MALAYSIA

PHONE: 6-03-8778 4106
Email ais@caam.gov.my
URL: aip.caam.gov.my

CIVIL AVIATION AUTHORITY OF MALAYSIA
AERONAUTICAL INFORMATION SERVICES
AIR TRAFFIC CONTROL TOWER (TOWER WEST)
JALAN KLIA 2/4,
64000 KLIA,
SELANGOR DARUL EHSAN
MALAYSIA.

AIP AMDT
01/25
Effective Date: 25 MAR 2025
Publication Date: 25 MAR 2025

This AIP AMDT 01/25 contains:

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GEN 0.4-1 To 13	Checklist of AIP Pages.
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GEN 2.7-1 To 78	Sunrise Sunset
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GEN 3.2-8	Updating AD 2-WMKN-6-1, AD 2-WMKN-6-3, AD 2-WMKN-6-5 and AD 2-WMKN-6-7
GEN 3.2-10	Updating AD 2-WMKN-7-1, AD 2-WMKN-7-3, AD 2-WMKN-7-5 and AD 2-WMKN-7-7
GEN 3.2-14	Updating AD 2-WMKN-8-1, AD 2-WMKN-8-3, AD 2-WMKN-8-5, AD 2-WMKN-8-7, AD 2-WMKN-8-9, AD 2-WMKN-8-11, AD 2-WMKN-8-13, AD 2-WMKN-8-17, AD 2-WMKN-8-21 and AD 2-WMKN-8-23
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AD 2-WMKD-1-1 To 2	Updating Email And AD 2.3
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AD 2-WMKD-1-4 To 5	Updating Aerodrome Obstacles
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AD 2-WMKJ-1-9 To 16	Re-indexing pages
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AD 2-WMKK-6-52 To 55	Replacement Chart
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AD 2-WMKN-7-1 To 9	Updating ATS WMKN Tower FREQ

AD 2-WMKN-8-1 To 23	Updating ATS WMKN Tower FREQ
AD 2-WMKP-1-5	Updating Format AD 2.10
AD 2-WMKP-1-6 To 8	Re-indexing pages
AD 2-WMKP-2-3	Updating Bearing Strength TWY
AD 2-WMKP-2-4	Updating Bearing Strength APN Bay
AD 2-WMBT-1-3	Updating Format AD 2.10
AD 2-WMBT-1-4 To 6	Re-indexing pages
AD 2-WMAP-1-3	Updating Format AD 2.10
AD 2-WMPR-1-3	Updating Format AD 2.10
AD 2-WMPR-1-4 To 8	Re-indexing pages
AD 2-WBGJ-1-7	Re-indexing pages
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AD 2-WBKD-1-3	Updating RWY and TWY markings and LGT
AD 2-WBKD-1-4	Updating Format AD 2.10
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AD 2-WBKD-1-7 To 8	Updating HTML Format
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AD 2-WBKK-6-5	Updating Chart
AD 2-WBKK-7-2 & 6	Updating charts
AD 2-WBKS-1-4	Updating Format AD 2.10
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AD 2-WBGI-1-3	Updating Format AD 2.10
AD 2-WBGI-1-4 To 6	Re-indexing pages
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AD 2-WBGM-1-3	Updating Format AD 2.10
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AD 2-WBTM-1-1	Updating Direction & Distance from (City)
AD 2-WBTM-1-2	Updating Passenger Facilities , Rescue and Fire Fighting Services
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AD 2-WBTM-1-4	Updating Slope of RWY - SWY
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DESTROY			INSERT		
GEN	0.3-2	20 MAR 2025	GEN	0.3-2	25 MAR 2025
	0.3-3	20 MAR 2025		0.3-3	25 MAR 2025
	0.3-4	20 MAR 2025		0.3-4	25 MAR 2025
	0.4-1	20 MAR 2025		0.4-1	25 MAR 2025

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0.4-6	20 MAR 2025	0.4-6	25 MAR 2025
0.4-7	20 MAR 2025	0.4-7	25 MAR 2025
0.4-8	20 MAR 2025	0.4-8	25 MAR 2025
0.4-9	20 MAR 2025	0.4-9	25 MAR 2025
0.4-10	20 MAR 2025	0.4-10	25 MAR 2025
0.4-11	20 MAR 2025	0.4-11	25 MAR 2025
0.4-12	20 MAR 2025	0.4-12	25 MAR 2025
0.4-13	20 MAR 2025	0.4-13	25 MAR 2025
0.4-14	20 MAR 2025	0.4-14	25 MAR 2025
1.2-1	26 MAY 2022	1.2-1	25 MAR 2025
1.2-2	26 MAY 2022	1.2-2	25 MAR 2025
1.2-3	26 MAY 2022	1.2-3	25 MAR 2025
1.2-4	08 DEC 2022	1.2-4	25 MAR 2025
2.7-1	23 APR 2024	2.7-1	25 MAR 2025
2.7-2	23 APR 2024	2.7-2	25 MAR 2025
2.7-3	23 APR 2024	2.7-3	25 MAR 2025
2.7-4	30 JAN 2024	2.7-4	25 MAR 2025
2.7-5	30 JAN 2024	2.7-5	25 MAR 2025
2.7-6	30 JAN 2024	2.7-6	25 MAR 2025
2.7-7	30 JAN 2024	2.7-7	25 MAR 2025
2.7-8	30 JAN 2024	2.7-8	25 MAR 2025
2.7-9	30 JAN 2024	2.7-9	25 MAR 2025
2.7-10	30 JAN 2024	2.7-10	25 MAR 2025
2.7-11	30 JAN 2024	2.7-11	25 MAR 2025
2.7-12	30 JAN 2024	2.7-12	25 MAR 2025
2.7-13	30 JAN 2024	2.7-13	25 MAR 2025
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2.7-17	30 JAN 2024	2.7-17	25 MAR 2025
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2.7-20	30 JAN 2024	2.7-20	25 MAR 2025
2.7-21	30 JAN 2024	2.7-21	25 MAR 2025
2.7-22	30 JAN 2024	2.7-22	25 MAR 2025

DESTROY		INSERT	
2.7-23	30 JAN 2024	2.7-23	25 MAR 2025
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2.7-29	30 JAN 2024	2.7-29	25 MAR 2025
2.7-30	30 JAN 2024	2.7-30	25 MAR 2025
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2.7-34	30 JAN 2024	2.7-34	25 MAR 2025
2.7-35	30 JAN 2024	2.7-35	25 MAR 2025
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2.7-39	30 JAN 2024	2.7-39	25 MAR 2025
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2.7-42	30 JAN 2024	2.7-42	25 MAR 2025
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2.7-44	30 JAN 2024	2.7-44	25 MAR 2025
2.7-45	30 JAN 2024	2.7-45	25 MAR 2025
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2.7-58	30 JAN 2024	2.7-58	25 MAR 2025
2.7-59	30 JAN 2024	2.7-59	25 MAR 2025
2.7-60	30 JAN 2024	2.7-60	25 MAR 2025
2.7-61	30 JAN 2024	2.7-61	25 MAR 2025

DESTROY			INSERT		
	2.7-62	30 JAN 2024		2.7-62	25 MAR 2025
	2.7-63	30 JAN 2024		2.7-63	25 MAR 2025
	2.7-64	30 JAN 2024		2.7-64	25 MAR 2025
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	2.7-67	30 JAN 2024		2.7-67	25 MAR 2025
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	2.7-70	30 JAN 2024		2.7-70	25 MAR 2025
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	2.7-77	30 JAN 2024		2.7-77	25 MAR 2025
	2.7-78	30 JAN 2024		2.7-78	25 MAR 2025
	3.2-3	20 MAR 2025		3.2-3	25 MAR 2025
	3.2-8	08 OCT 2024		3.2-8	25 MAR 2025
	3.2-10	31 DEC 2024		3.2-10	25 MAR 2025
	3.2-14	31 DEC 2024		3.2-14	25 MAR 2025
	3.6-7	31 DEC 2024		3.6-7	25 MAR 2025
ENR	2.1-1	30 JAN 2024	ENR	2.1-1	25 MAR 2025
	2.1-2	30 JAN 2024		2.1-2	25 MAR 2025
	2.1-3	30 JAN 2024		2.1-3	25 MAR 2025
	2.1-4	23 APR 2024		2.1-4	25 MAR 2025
	2.1-5	30 JAN 2024		2.1-5	25 MAR 2025
	2.1-6	30 JAN 2024		2.1-6	25 MAR 2025
	2.1-7	31 DEC 2024		2.1-7	25 MAR 2025
	2.1-8	31 DEC 2024		2.1-8	25 MAR 2025
	2.1-9	16 JUL 2024		2.1-9	25 MAR 2025
AD	1.5-1	31 DEC 2024	AD	1.5-1	25 MAR 2025
	2-WMKD-1-1	28 NOV 2024		2-WMKD-1-1	25 MAR 2025
	2-WMKD-1-2	07 NOV 2023		2-WMKD-1-2	25 MAR 2025
	2-WMKD-1-3	31 DEC 2024		2-WMKD-1-3	25 MAR 2025
	2-WMKD-1-4	31 DEC 2024		2-WMKD-1-4	25 MAR 2025
	2-WMKD-1-5	28 NOV 2024		2-WMKD-1-5	25 MAR 2025
	2-WMKD-1-6	28 NOV 2024		2-WMKD-1-6	25 MAR 2025
	2-WMKD-1-7	28 NOV 2024		2-WMKD-1-7	25 MAR 2025

DESTROY		INSERT	
2-WMKD-1-8	28 NOV 2024	2-WMKD-1-8	25 MAR 2025
2-WMKD-1-9	28 NOV 2024	2-WMKD-1-9	25 MAR 2025
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-	-	2-WMKD-1-11	25 MAR 2025
-	-	2-WMKD-1-12	25 MAR 2025
2-WMKI-1-4	31 DEC 2024	2-WMKI-1-4	25 MAR 2025
2-WMKI-8-6	31 DEC 2024	2-WMKI-8-6	25 MAR 2025
2-WMKJ-1-4	20 MAR 2025	2-WMKJ-1-4	25 MAR 2025
2-WMKJ-1-5	20 MAR 2025	2-WMKJ-1-5	25 MAR 2025
2-WMKJ-1-6	20 MAR 2025	2-WMKJ-1-6	25 MAR 2025
2-WMKJ-1-7	20 MAR 2025	2-WMKJ-1-7	25 MAR 2025
2-WMKJ-1-8	20 MAR 2025	2-WMKJ-1-8	25 MAR 2025
2-WMKJ-1-9	16 JUL 2024	2-WMKJ-1-9	25 MAR 2025
2-WMKJ-1-10	20 MAR 2025	2-WMKJ-1-10	25 MAR 2025
2-WMKJ-1-11	16 JUL 2024	2-WMKJ-1-11	25 MAR 2025
2-WMKJ-1-12	20 MAR 2025	2-WMKJ-1-12	25 MAR 2025
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2-WMKJ-1-14	20 MAR 2025	2-WMKJ-1-14	25 MAR 2025
2-WMKJ-1-15	20 MAR 2025	2-WMKJ-1-15	25 MAR 2025
2-WMKJ-1-16	16 JUL 2024	2-WMKJ-1-16	25 MAR 2025
2-WMKK-1-2	31 DEC 2024	2-WMKK-1-2	25 MAR 2025
2-WMKK-1-3	31 DEC 2024	2-WMKK-1-3	25 MAR 2025
2-WMKK-1-7	31 DEC 2024	2-WMKK-1-7	25 MAR 2025
2-WMKK-1-11	28 NOV 2024	2-WMKK-1-11	25 MAR 2025
2-WMKK-1-42	31 DEC 2024	2-WMKK-1-42	25 MAR 2025
2-WMKK-1-43	31 DEC 2024	2-WMKK-1-43	25 MAR 2025
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2-WMKK-1-46	31 DEC 2024	2-WMKK-1-46	25 MAR 2025
2-WMKK-2-9	31 DEC 2024	2-WMKK-2-9	25 MAR 2025
2-WMKK-2-10	31 DEC 2024	2-WMKK-2-10	25 MAR 2025
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2-WMKK-2-13	31 DEC 2024	2-WMKK-2-13	25 MAR 2025
2-WMKK-2-14	31 DEC 2024	2-WMKK-2-14	25 MAR 2025
2-WMKK-6-51	31 DEC 2024	2-WMKK-6-51	25 MAR 2025
2-WMKK-6-52	18 MAY 2023	2-WMKK-6-52	25 MAR 2025
2-WMKK-6-53	18 MAY 2023	2-WMKK-6-53	25 MAR 2025
2-WMKK-6-54	18 MAY 2023	2-WMKK-6-54	25 MAR 2025

DESTROY		INSERT	
2-WMKK-6-55	18 MAY 2023	2-WMKK-6-55	25 MAR 2025
2-WMKK-6-57	18 MAY 2023	2-WMKK-6-57	25 MAR 2025
2-WMKK-6-58	18 MAY 2023	2-WMKK-6-58	25 MAR 2025
2-WMKK-6-59	18 MAY 2023	2-WMKK-6-59	25 MAR 2025
2-WMKK-6-60	18 MAY 2023	2-WMKK-6-60	25 MAR 2025
2-WMKL-1-4	31 DEC 2024	2-WMKL-1-4	25 MAR 2025
2-WMKL-1-5	31 DEC 2024	2-WMKL-1-5	25 MAR 2025
2-WMKN-1-9	28 NOV 2024	2-WMKN-1-9	25 MAR 2025
2-WMKN-2-1	28 NOV 2024	2-WMKN-2-1	25 MAR 2025
2-WMKN-2-3	28 NOV 2024	2-WMKN-2-3	25 MAR 2025
2-WMKN-2-5	28 NOV 2024	2-WMKN-2-5	25 MAR 2025
2-WMKN-6-1	19 MAY 2022	2-WMKN-6-1	25 MAR 2025
2-WMKN-6-3	19 MAY 2022	2-WMKN-6-3	25 MAR 2025
2-WMKN-6-5	19 MAY 2022	2-WMKN-6-5	25 MAR 2025
2-WMKN-6-7	19 MAY 2022	2-WMKN-6-7	25 MAR 2025
2-WMKN-7-1	19 MAY 2022	2-WMKN-7-1	25 MAR 2025
2-WMKN-7-3	08 SEP 2022	2-WMKN-7-3	25 MAR 2025
2-WMKN-7-7	19 MAY 2022	2-WMKN-7-7	25 MAR 2025
2-WMKN-7-9	19 MAY 2022	2-WMKN-7-9	25 MAR 2025
2-WMKN-8-1	30 JAN 2024	2-WMKN-8-1	25 MAR 2025
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2-WMKN-8-5	31 DEC 2024	2-WMKN-8-5	25 MAR 2025
2-WMKN-8-7	23 APR 2024	2-WMKN-8-7	25 MAR 2025
2-WMKN-8-9	31 DEC 2024	2-WMKN-8-9	25 MAR 2025
2-WMKN-8-11	30 JAN 2024	2-WMKN-8-11	25 MAR 2025
2-WMKN-8-13	30 JAN 2024	2-WMKN-8-13	25 MAR 2025
2-WMKN-8-17	30 JAN 2024	2-WMKN-8-17	25 MAR 2025
2-WMKN-8-21	23 APR 2024	2-WMKN-8-21	25 MAR 2025
2-WMKN-8-23	30 JAN 2024	2-WMKN-8-23	25 MAR 2025
2-WMKP-1-5	28 NOV 2024	2-WMKP-1-5	25 MAR 2025
2-WMKP-1-6	28 NOV 2024	2-WMKP-1-6	25 MAR 2025
2-WMKP-1-7	28 NOV 2024	2-WMKP-1-7	25 MAR 2025
2-WMKP-1-8	28 NOV 2024	2-WMKP-1-8	25 MAR 2025
2-WMKP-2-3	28 NOV 2024	2-WMKP-2-3	25 MAR 2025
2-WMKP-2-4	28 NOV 2024	2-WMKP-2-4	25 MAR 2025
2-WMBT-1-3	15 SEP 2022	2-WMBT-1-3	25 MAR 2025
2-WMBT-1-4	15 SEP 2022	2-WMBT-1-4	25 MAR 2025
2-WMBT-1-5	15 SEP 2022	2-WMBT-1-5	25 MAR 2025
2-WMBT-1-6	08 SEP 2022	2-WMBT-1-6	25 MAR 2025

DESTROY		INSERT	
2-WMAP-1-3	05 NOV 2020	2-WMAP-1-3	25 MAR 2025
2-WMPR-1-3	15 AUG 2023	2-WMPR-1-3	25 MAR 2025
2-WMPR-1-4	08 DEC 2022	2-WMPR-1-4	25 MAR 2025
2-WMPR-1-5	28 FEB 2023	2-WMPR-1-5	25 MAR 2025
2-WMPR-1-6	28 FEB 2023	2-WMPR-1-6	25 MAR 2025
2-WMPR-1-7	08 DEC 2022	2-WMPR-1-7	25 MAR 2025
2-WBGJ-1-7	31 DEC 2024	2-WBGJ-1-7	25 MAR 2025
2-WBGJ-1-8	28 NOV 2024	2-WBGJ-1-8	25 MAR 2025
2-WBKD-1-3	28 NOV 2024	2-WBKD-1-3	25 MAR 2025
2-WBKD-1-4	28 NOV 2024	2-WBKD-1-4	25 MAR 2025
2-WBKD-1-5	28 NOV 2024	2-WBKD-1-5	25 MAR 2025
2-WBKD-1-6	28 NOV 2024	2-WBKD-1-6	25 MAR 2025
2-WBKD-1-7	28 NOV 2024	2-WBKD-1-7	25 MAR 2025
2-WBKD-1-8	16 JUL 2024	2-WBKD-1-8	25 MAR 2025
-	-	2-WBKD-1-9	25 MAR 2025
-	-	2-WBKD-1-10	25 MAR 2025
2-WBKK-6-5	07 NOV 2023	2-WBKK-6-5	25 MAR 2025
2-WBKK-7-2	31 DEC 2024	2-WBKK-7-2	25 MAR 2025
2-WBKK-7-6	30 JAN 2024	2-WBKK-7-6	25 MAR 2025
2-WBKS-1-4	20 MAR 2025	2-WBKS-1-4	25 MAR 2025
2-WBKS-1-5	20 MAR 2025	2-WBKS-1-5	25 MAR 2025
2-WBKS-1-6	31 DEC 2024	2-WBKS-1-6	25 MAR 2025
2-WBKS-1-7	20 MAR 2025	2-WBKS-1-7	25 MAR 2025
2-WBKS-1-8	31 DEC 2024	2-WBKS-1-8	25 MAR 2025
2-WBGI-1-3	26 MAR 2020	2-WBGI-1-3	25 MAR 2025
2-WBGI-1-4	26 MAR 2020	2-WBGI-1-4	25 MAR 2025
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2-WBGI-1-6	26 MAR 2020	2-WBGI-1-6	25 MAR 2025
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2-WBGW-1-4	08 OCT 2024	2-WBGW-1-4	25 MAR 2025
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2-WBGZ-1-2	26 MAR 2020	2-WBGZ-1-2	25 MAR 2025
2-WBGZ-1-3	26 MAR 2020	2-WBGZ-1-3	25 MAR 2025

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2-WBGZ-1-6	26 MAR 2020	2-WBGZ-1-6	25 MAR 2025
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2-WBTM-2-1	28 FEB 2023	2-WBTM-2-1	25 MAR 2025

1. Hand amendments

NIL

2. Record entry of AMDT on the page GEN 0.2-1.

3. The following publications have been incorporated in this AMDT:

AIP SUP	NIL
AIC	NIL
NOTAM	A0263/25, A0816/25

- END -

GEN 0.3 RECORD OF AIP SUPPLEMENTS

NR / Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
12/2023	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) WORK IN PROGRESS	AD	09 MAR 2023 - UFN	
17/2023	KERTEH AIRPORT (WMKE) SECTION 5 ECRL PROJECT SITE CONSTRUCTION WORK	AD	16 MAR 2023 - 31 AUG 2025 EST	
24/2023	MULU AIRPORT (WBMU) RUNWAY SURFACE CRACK AND DEPRESSION	AD	22 JUN 2023 - UFN	
26/2023	PENANG INTERNATIONAL AIRPORT (WMKP) TEMPORARY OBSTACLES - CRANES OPERATION	AD	14 JUL 2023 - 17 MAY 2025	
45/2023	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) RUNWAY CLOSURE SCHEDULE (This AIP Supplement replaces AIP Supplement 42/2023)	AD	05 DEC 2023 - UFN	
49/2023	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) TAXIWAY CLOSE FOR AIRCRAFT LONG LAYOVER PARKING (This AIP Supplement replaces AIP Supplement 19/2023)	AD	14 DEC 2023 - UFN	
50/2023	KUANTAN AIRPORT (WMKD) TWY F CLOSED AND ATIS UNSERVICEABLE	AD	21 DEC 2023 - UFN	
51/2023	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) HAZARDOUS WEATHER WARNING SYSTEM	AD	21 DEC 2023 - UFN	
53/2023	SUBANG AIRPORT (WMSA) WIND SHEAR DETECTION SYSTEMS U/S	AD	28 DEC 2023 - UFN	
02/2024	KOTA BHARU / SULTAN ISMAIL PETRA AIRPORT (WMKC) TEMPORARY CHANGE OF OPEARATIONS HOURS FOR AERODROME AND APPROACH RADAR SERVICES	AD	22 FEB 2024 - UFN	
03/2024	JOHOR BAHRU / SENAI INTERNATIONAL AIRPORT (WMKJ) NDB JR U/S	AD	22 FEB 2024 - UFN	
05/2024	LAWAS AIRPORT (WBGW) TEMPORARY OBSTACLES - TOWER CRANE OPERATION	AD	25 JAN 2024 - UFN	
06/2024	LAWAS AIRPORT (WBGW) TEMPORARY OBSTACLES - TOWER CRANE OPERATION	AD	25 JAN 2024 - UFN	
07/2024	KUCHING INTERNATIONAL AIRPORT (WBGG) TEMPORARY OBSTACLES - TOWER CRANE OPERATION	AD	25 JAN 2024 - UFN	
08/2024	KLUANG AIRSTRIP (WMAP) NDB AP U/S	AD	25 JAN 2024 - UFN	
15/2024	LIMBANG AIRPORT (WBGJ) TEMPORARY CHANGES OF AERODROME OPERATIONS HOURS	AD	21 MAR 2024 - UFN	
20/2024	SANDAKAN AIRPORT (WBKS) CLOSURE OF GENERAL HELIPAD	AD	18 APR 2024 - UFN	
22/2024	KOTA KINABALU INTERNATIONAL AIRPORT (WBKK) PRECISION APPROACH LIGHT RUNWAY 02, AIRCRAFT STAND TAXI LANE, AND APRON TAXIWAY AT TERMINAL 1	AD	18 APR 2024 - UFN	
23/2024	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) WORK IN PROGRESS (This AIP Supplement replaces AIP Supplement 39/2023)	AD	21 MAR 2024 - UFN	
25/2024	IPOH/SULTAN AZLAN SHAH AIRPORT (WMKI) AERODROME OBSTACLE	AD	21 MAR 2024 - UFN	
26/2024	KUCHING INTERNATIONAL AIRPORT (WBGG) PROPOSED NEW ROYAL MALAYSIA POLICE AIR OPERATIONS FORCE BASE, SARAWAK	AD	16 MAY 2024 - 14 JUN 2025	

NR / Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
28/2024	SUBANG / SULTAN ABDUL AZIZ SHAH AIRPORT (WMSA) TEMPORARY OBSTACLES - TOWER CRANE OPERATION	AD	18 APR 2024 - 15 FEB 2026	
30/2024	KUALA TERENGGANU / SULTAN MAHMUD AIRPORT (WMKN) TEMPORARY CHANGES OF AERODROME OPERATIONS HOURS	AD	13 JUN 2024 - UFN	
34/2024	LUMUT HELIPORT (WMLH) HELIPORT OBSTACLE	AD	16 MAY 2024 - UFN	
37/2024	ALOR SETAR / SULTAN ABDUL HALIM AERODROME (WMKA) UNSERVICEABLE OF TAXIWAY EDGE LIGHT	AD	11 JUL 2024 - UFN	
39/2024	MALACCA / MALACCA AIRPORT (WMKM) REVISED OF INSTRUMENT FLIGHT PROCEDURES FOR RUNWAY 03 AND RUNWAY 21	AD	11 JUL 2024 - PERM	
41/2024	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) WORK IN PROGRESS	AD	13 JUN 2024 - UFN	
44/2024	PENANG INTERNATIONAL AIRPORT (WMKP) TAXIWAY E CLOSE FOR AIRCRAFT LONG LAYOVER PARKING	AD	05 SEP 2024 - UFN	
49/24	JOHOR BAHRU / SENAI INTERNATIONAL AIRPORT (WMKJ) TEMPORARY CHANGE OF OPERATIONS HOURS FOR AP-PROACH RADAR SERVICES.	AD	31 OCT 2024 - UFN	
50/24	OPERATIONAL TRIAL OF SATELLITE COMMUNICATION VOICE (SATVOICE) FOR ATS COMMUNICATIONS IN THE OCEANIC AIRSPACE OF THE KUALA LUMPUR FLIGHT INFORMATION REGION.	ENR	31 OCT 2024 - 30 APR 2025	
51/24	KUANTAN AIRPORT (WMKD) TEMPORARY OBSTACLES – CRAWLER CRANE OPERATION	AD	03 OCT 2024 - 22 JUN 2025 EST	
53/24	LIMBANG AIRPORT (WBGJ) WORK IN PROGRESS	AD	03 OCT 2024 - UFN	
54/24	LIMBANG AIRPORT (WBGJ) WORK IN PROGRESS	AD	03 OCT 2024 - UFN	
55/24	KUCHING INTERNATIONAL AIRPORT (WBGG) TEMPORARY OBSTACLES - TOWER CRANE OPERATION	AD	03 OCT 2024 - UFN	
58/24	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) TAXIWAY CENTRELINE LIGHTS S1 AND S8	AD	28 NOV 2024 - 31 JAN 2025	
59/24	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) WORK IN PROGRESS	AD	28 NOV 2024 - 31 MAR 2025	
60/24	KUANTAN AIRPORT (WMKD) DVORTAC VKN 113.7 MHZ CH84X, DME-PART AND TACAN-PART U/S (This AIRAC AIP Supplement replaces AIRAC AIP Supplement 42/2024)	AD	28 NOV 2024 - UFN	
61/24	KUCHING INTERNATIONAL AIRPORT (WBGG) RUNWAY GUARD LIGHT UNSERVICEABLE	AD	28 NOV 2024 - 27 MAY 2025	
62/24	BINTULU AIRPORT (WBGB) OBSTACLE	AD	28 NOV 2024 - UFN	
63/24	KOTA BHARU / SULTAN ISMAIL PETRA AIRPORT (WMKC) UPGRADING WORKS (This AIRAC AIP Supplement replaces AIRAC AIP Supplement 35/2024)	AD	26 DEC 2024 - 06 MAY 2025	
64/24	SUBANG / SULTAN ABDUL AZIZ SHAH AERODROME (WMSA) REGENERATION PROJECT PHASE 2 ZONE 3 (This AIRAC AIP Supplement replaces AIRAC AIP Supplement 40/2024)	AD	26 DEC 2024 - 01 OCT 2034 EST	

NR / Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
67/24	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) STOPBAR LIGHTS AND LEAD IN LIGHT TAXIWAY A1-A11, C1-C11, P1-P4, Q5-Q7 AND Y1-Y9	AD	26 DEC 2024 - UFN	
68/24	LABUAN AIRPORT (WBKL) ILS UNSERVICEABLE	AD	26 DEC 2024 - UFN	
69/24	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) TRIAL IMPLEMENTATION OF SIMULTANEOUS INDEPENDENT PARALLEL APPROACHES BASED ON THE DIRECTION OF FLIGHTS AT KUALA LUMPUR INTERNATIONAL AIRPORT (KLIA)	AD	20 DEC 2024 - 30 JUN 2025	
70/24	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) WIND DIRECTION INDICATOR (WDI) RWY 15	AD	28 NOV 2024 - UFN	
71/24	PENANG INTERNATIONAL AIRPORT (WMKP) RUNWAY CLOSURE SCHEDULE (This AIP Supplement replaces AIRAC AIP Supplement 43/2024)	AD	28 NOV 2024 - UFN	
72/24	IPOH / SULTAN AZLAN SHAH AIRPORT (WMKI) TEMPORARY CHANGES OF AERODROME OPERATION HOURS (This AIP Supplement replaces AIRAC AIP Supplement 47/2023)	AD	26 DEC 2024 - UFN	
01/25	KUCHING INTERNATIONAL AIRPORT (WBGG) RUNWAY CLOSURE SCHEDULE	AD	20 FEB 2025 - UFN	
02/25	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) IMPLEMENTATION OF DEPARTURE CLEARANCE (DCL) VIA DATA LINK ON SELECTED ROUTES (This AIRAC AIP Supplement replaces AIRAC AIP Supplement 65/24)	AD	20 MAR 2025 - PERM	
03/25	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) TRIAL IMPLEMENTATION OF SIMULTANEOUS INDEPENDENT PARALLEL DEPARTURE ON TRIPLE RUNWAY OPERATION AT KUALA LUMPUR INTERNATIONAL AIRPORT (KLIA)	AD	20 FEB 2025 - 31 AUG 2025	
04/25	IPOH / SULTAN AZLAN SHAH AIRPORT (WMKI) AERODROME OBSTACLE	AD	23 JAN 2025 - UFN	
05/25	UNMANNED AIRCRAFT SYSTEM (UAS) ACTIVITY OPS FOR ENFORCEMENT, INTELLIGENCE SURVEILLANCE RECONNAISSANCE SEARCH AND RESCUE IN MALAYSIA TERRITORIAL AIRSPACE	ENR	23 JAN 2025 - 31 DEC 2025	
06/25	MALACCA AIRPORT (WMKM) TEMPORARY CHANGES OF AERODROME OPERATION HOURS	AD	20 MAR 2025 - UFN	
07/25	AIRSPACE CLOSURE KUALA LUMPUR AND SINGAPORE FIRS EXERCISE BERSAMA SHIELD 2025120001UTC TO 211100UTC APRIL 2025	ENR	20 MAR 2025 - 21 APR 2025	
08/25	KOTA KINABALU INTERNATIONAL AIRPORT (WBKK) SUSPENSION OF INSTRUMENT FLIGHT PROCEDURES FOR RUNWAY 02 AND 20	AD	20 MAR 2025 - UFN	
09/25	PENANG INTERNATIONAL AIRPORT (WMKP) UPGRADING AND EXPANSION OF PENANG INTERNATIONAL AIRPORT, AIRSIDE FACILITIES - PAVEMENT WORKS AND OTHER ASSOCIATED WORKS. WORK SCHEDULE AND MOVEMENT AREAS RESTRICTIONS	AD	20 MAR 2025 - 02 DEC 2029	
10/25	LIMBANG AIRPORT (WBGJ) ATS COMMUNICATION FACILITIES AND SECONDARY FREQUENCY UPDATES	AD	20 MAR 2025 - PERM	

NR / Year	Subject	AIP section(s) affected	Period of validity	Cancellation record
11/25	GENTING SSR RADAR WITHDRAWN	ENR	20 MAR 2025 - UFN	
12/25	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) WORK IN PROGRESS	AD	17 APR 2025 - 30 SEP 2025	
13/25	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) SUSPENSION OF INSTRUMENT FLIGHT PROCEDURES FOR RUNWAY 14L, 14R, 15, 32R, 32L AND 33	AD	17 APR 2025 - UFN	
14/25	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) TAXIWAY CENTRELINE LIGHTS S1 AND S8	AD	17 APR 2025 - UFN	
15/25	KUALA LUMPUR INTERNATIONAL AIRPORT (WMKK) WIND DIRECTION INDICATOR (WDI) RWY 15	AD	17 APR 2025 - UFN	
16/25	LABUAN AIRPORT (WBKL) TAXIWAY K LIMITED AIRCRAFT OPERATIONS	AD	17 APR 2025 - 30 OCT 2025	
17/25	BINTULU AIRPORT (WBGB) UNMANNED AIRCRAFT SYSTEM (UAS) ACTIVITY FOR NESTED UAS OPERATION AT BINTULU PORT	AD	20 MAR 2025 - 31 DEC 2025	
18/25	KUANTAN AIRPORT (WMKD) ARRESTOR BARRIER RWY 36 U/S	AD	20 MAR 2025 - UFN	
19/25	KUANTAN AIRPORT (WMKD) CRANE OPERATION	AD	20 MAR 2025 - 06 JAN 2027	

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2-WBGZ-1-8	25 MAR 2025*
2-WBGZ-2-1	26 MAR 2020
2-WBGZ-2-2	26 MAR 2020
2-WBGZ-2-3	26 MAR 2020
2-WBGZ-2-4	26 MAR 2020
KUDAT	
2-WBKT-1-1	16 AUG 2018
2-WBKT-1-2	16 AUG 2018
2-WBKT-1-3	25 MAR 2025*
2-WBKT-1-4	28 MAR 2019
2-WBKT-1-5	25 MAR 2021
2-WBKT-1-6	28 MAR 2019
2-WBKT-2-1	05 NOV 2020
2-WBKT-2-2	28 MAR 2019
2-WBKT-2-3	05 NOV 2020
2-WBKT-2-4	28 MAR 2019

Page	Date
TANJUNG MANIS	
2-WBTM-1-1	25 MAR 2025*
2-WBTM-1-2	25 MAR 2025*
2-WBTM-1-3	25 MAR 2025*
2-WBTM-1-4	25 MAR 2025*
2-WBTM-1-5	25 MAR 2025*
2-WBTM-1-6	25 MAR 2025*
2-WBTM-2-1	25 MAR 2025*
2-WBTM-2-2	08 SEP 2022
AD 4.	
4.1-1	08 DEC 2022
4.1-2	08 DEC 2022
4.1-3	08 DEC 2022
4.1-4	08 DEC 2022
4.1-5	15 AUG 2023
4.1-6	08 DEC 2022

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GEN 1.2 ENTRY, TRANSIT AND DEPARTURE OF AIRCRAFT

PENINSULAR MALAYSIA

1.2.1 CIVIL SCHEDULED FLIGHTS

1.2.1.1 Before a scheduled service is permitted to operate into Malaysia it must be appropriately covered by either an Air Services Agreement, a licence issued in accordance with Civil Aviation Regulations 2016, or other aeronautical arrangement.

1.2.1.1.1 Airlines or operators must have a valid FAOC Malaysia as per AIC 06/2024 and CAGM 6005.

1.2.1.2 Traffic Landing

1.2.1.2.1 All airlines or operators to submit its landing application through AEROFILE system for scheduled flights for each IATA season one month or earlier before the start of the season or Non-Scheduled (Commercial / Charter) for approval by CAAM. This requirement is also applicable for introduction of new scheduled services or subsequent scheduled changes within the season.The airlines may refer to AIC 02/2018.

1.2.1.2.2 All airlines operating to all airports in Malaysia must contact National Slot Coordination Malaysia (NSCM), which has been appointed by Civil Aviation Authority of Malaysia to undertake slots coordination at all Malaysian airports, for slot time confirmation in IATA SCR format before submitting to CAAM for approval as stated in Paragraph 1.2.1.2.1

For initial slot application for scheduled services in IATA Northern Summer or Northern Winter seasons, the submission should be done as per IATA initial slot submission deadlines. Generally, it is in May for the Northern Winter and October for Northern Summer submissions.

NSCM contacts are:

Manager
National Slot Coordination Malaysia
Malaysia Aviation Marketing & Development
Level 3, Arrival Hall
Main Terminal Building
KL International Airport
64000 Sepang,
Selangor, Malaysia

TEL: (+60) 3 87763027
e-mail: nscm@malaysiaairports.com.my

1.2.2 CIVIL NON-SCHEDULED FLIGHTS

1.2.2.1 Overflights And Non-Traffic Or Technical Landing

1.2.2.1.1 In respect of civil aircraft registered in any ICAO Contracting State and with which Malaysia has diplomatic relations, prior permission must be sought and obtained through diplomatic means from the Ministry of Foreign Affairs, Wisma Putra, Kuala Lumpur.

Mailing address:

The Secretary - General
(Consular Division)
Wisma Putra
No. 1, Jalan Wisma Putra
Presint 2,
62602 Putrajaya
Malaysia.

TEL: (+60) 3 88874264 / 4753
Email: dipc@kln.gov.my

1.2.2.1.2 As for other application may follow 1.2.2.2.1. The name and complete mailing address of the operator should be included in the flight plan under item 18 (other information).

1.2.2.1.3 Notification by Flight Plan addressed to the Kuala Lumpur Air Traffic Control Centre (WMFCZQZX) for flights within the Kuala Lumpur FIR, if received at least 12 hours in advance of the aircraft's departure, will be accepted as advance notification.

1.2.2.2 Traffic Landing

1.2.2.2.1 All airlines or operators or appointed agents are to submit their landing application for non-scheduled flights in three (3) working days before date of operation/flight for approval by CAAM. Refer to AIC 04/2022.

1.2.2.2.2 All airlines operating to all airports in Malaysia must contact National Slot Coordination Malaysia (NSCM) for slot time confirmation in IATA SCR format before submitting to CAAM for approval as stated in Paragraph 1.2.2.2.1. NSCM contacts are reflected in item 1.2.1.2.2.

1.2.2.2.3 Prior permission must be sought and obtained either by NOSAS or AEROFILE system.

Chief Executive Officer
Civil Aviation Authority of Malaysia.
Level 1-4, Podium Block,
No. 27, Persiaran Perdana,
Precinct 4, Putrajaya,
Malaysia
(Attn: Aviation Industry Unit)
TEL: (+60) 3 88714000 EXT: 4201
e-mail: aftn@caam.gov.my / aviation-industry@caam.gov.my
AFS: WMKKYAYT / WMKKYAYX

1.2.2.2.4 Application should reach the Chief Executive Officer of Civil Aviation Authority of Malaysia through NOSAS system or AEROFILE system in three (3) working days prior to the aircraft's departure. Flight approval might not be processed in time if the application is less than three (3) working days. If insufficient information is given, the application may not be considered. All applications should contain the following information:

1. Type and capacity of aircraft (passenger/cargo whichever is applicable).
2. Nationality and registration marks of the aircraft.
3. Aircraft maximum take-off weight
4. Name of person-in-command and number of crew.
5. Name, nationality and address of registered owner of aircraft.
6. Name, nationality and address of aircraft operator.
7. Purpose of Flight.
   a) For passenger flights - give names, nationality and number of passengers on board, and nature of flights, e.g. special event charter, casual tour etc.
   b) For cargo flights give nature of cargo, weight and dimensions (inbound/outbound or transit).
8. Details of route, point of departure, point of landing in Malaysia and final destination.
9. Proposed time-table. (ETA at point in Malaysia and ETD at point in Malaysia).
10. Name and address of consign or/and consignee if applicable.
11. Name and address of tour organisers/charterer, if applicable.
12. Name, address and telephone number of operator's local agents, if applicable.
13. In case of passenger/cargo charter flights give fares/rate charged for the flight.
14. Name and address of ground handling agent at point of landing in Malaysia.
15. Any other information that may be relevant to the proposed operation.

1.2.2.2.5 The Chief Executive Officer of Civil Aviation Authority of Malaysia may attach such conditions to a flight approval as he considers necessary.

1.2.2.3 International Flight Operating To Or From A Point Outside Malaysia.

1.2.2.3.1 The enforcement of International Health Regulations, 1969 and Prevention and Control of Infectious Diseases Act 1988, necessitates all flights operating from a point outside Malaysia or proceeding to a point outside Malaysia to enter or exit through a designated aerodrome.

1.2.2.3.2 The Aerodromes designated as entry and exit points in Peninsular Malaysia for such flights are:

a) K.L. International Airport, Sepang, Selangor
b) Penang International Airport, Bayan Lepas, Penang
c) Sultan Ismail Petra Airport, Kota Bharu, Kelantan
d) Sultan Ahmad Shah Airport, Pahang
e) Sultan Abdul Aziz Shah Airport, Subang, Selangor
f) Malacca Airport, Batu Berendam, Malacca
g) Senai International Airport, Johor Bahru, Johor
h) Pulau Tioman Airport, Pahang
i) Langkawi International Airport, Kedah
j) Sultan Azlan Shah Airport, Ipoh, Perak

1.2.2.3.3 The Aerodromes designated as entry and exit points in Sabah are:

a) Kota Kinabalu International Airport
b) Sandakan Airport
c) Tawau Airport
d) Labuan Airport

1.2.2.3.4 The Aerodromes designated as entry and exit points in Sarawak are:

a) Kuching International Airport
b) Sibu Airport
c) Bintulu Airport
d) Miri Airport

Application through NOSAS or AEROFILE must be submitted in three (3) working days before departure for any ad hoc operation into airports in Malaysia and to obtain a Landing and Take Off approval.

1.2.2.3.5 All foreign registered aircraft, non-scheduled flights, landing into our airports and overflying our airspace alike, shall request for flight approval. The flight approval number shall be furnished in item 18 of the flight plan. As for landing purposes, kindly confirm slot time referring to paragraph 1.2.2.2.2.

1.2.2.3.6 Non-scheduled flights intending to land at the above mentioned designated entry/exit points in para 1.2.2.3 shall submit flight plans at least 12 hours prior to departure with subject to the flight approval from CAAM to appropriate ATS Unit and Kuala Lumpur Air Traffic Control Centre.

1.2.2.3.7 International scheduled passenger and cargo flights to Kuala Lumpur shall operate to/from K.L. International Airport, Sepang unless approved otherwise by the Chief Executive Officer of Civil Aviation Authority of Malaysia

1.2.2.3.8 Intended user must obtain prior permission from Ministry of Defence Malaysia (MINDEF) for landing at any aerodrome listed in AIP as under the control of MINDEF. Landing in airstrips not listed in AIP is prohibited unless expressly authorised by the Chief Executive Officer of Civil Aviation Authority of Malaysia.

1.2.2.4 Procedures For Landing And Overflight Of Foreign Military/State Aircraft In Malaysia.

1.2.2.4.1 All foreign military or state aircraft, intending to land at Malaysian Airports or overflying Malaysian airspace have to obtain approval through Diplomatic channels from the Ministry of Foreign Affairs, Wisma Putra, Kuala Lumpur giving full details as listed in sub-para 1.2.2.2.4 where appropriate.

1.2.3 PRODUCTION OF DOCUMENTS FOR INSPECTION

1.2.3.1 The pilot-in-command of an aircraft shall produce to any authorised person as and when requested by that person to do so, within reasonable time before the commencement or after the termination of a flight, any of the following documents:

a) Certificate of Airworthiness.
b) Certificate of Registration.
c) The licences of its operating crew and student pilot's licence of any person required under the Civil Aviation Regulations 2016 to be the holder of such a licence.
d) Journey Log Book or documents in lieu thereof in accordance with the Civil Aviation Regulations 2016.
e) The Telecommunication Log Book in all cases in which is required under the Civil Aviation Regulations 2016 to be carried in the aircraft.
f) Radio Station Licence.
g) Copy of Load Sheet (Peninsular Malaysia registered aircraft only).
h) Passenger manifest showing name and places of embarkation and destination.
i) Cargo manifest.
j) Copy of Certificate of Maintenance (Peninsular Malaysia registered aircraft only)
k) General Declaration of Health.

SABAH / SARAWAK (EAST MALAYSIA)

1.2.4 CIVIL SCHEDULED FLIGHTS

1.2.4.1 No foreign airlines shall operate international scheduled services into and in transit across the Territory of Sabah/Sarawak without prior permission from the Chief Executive Officer of Civil Aviation Authority of Malaysia.

1.2.5 CIVIL NON-SCHEDULED FLIGHTS

1.2.5.1 Overflights And Non-Traffic Or Technical Landing

1.2.5.1.1 In respect of civil aircraft registered in any ICAO Contracting State and with which Malaysia has diplomatic relations, prior permission must be sought and obtained through diplomatic means from the Ministry of Foreign Affairs, Wisma Putra, Kuala Lumpur as per 1.2.2.1.1.

1.2.5.1.2 As for other application may follow 1.2.2.2.1. The name and complete mailing address of the operator should be included in the flight plan under item 18 (other information).

1.2.5.1.3 Notification by Flight Plan addressed to the Kuala Lumpur Air Traffic Control Centre (WMFCZQZX) for flights within the Kuala Lumpur FIR, if received at least 12 hours in advance of the aircraft's departure, will be accepted as advance notification.

1.2.5.2 Traffic Landing

Prior permission must be sought and obtained either by NOSAS system or AEROFILE system:

Chief Executive Officer.
Civil Aviation Authority of Malaysia.
Level 1-4, Podium Block,
No. 27, Persiaran Perdana,
Precinct 4,
Malaysia
(Attn: Aviation Industry Unit)
TEL: +603 8871 4000 EXT: 4201
e-mail: aftn@caam.gov.my / aviation-industry@caam.gov.my
AFS: WMKKYAYX

1.2.5.2.1 Application should reach the Chief Executive Officer of Civil Aviation Authority of Malaysia through NOSAS system or AEROFILE system in three (3) working days prior to the aircraft's departure. Flight approval might not be processed in time if the application is less than three (3) working days. If insufficient information is given, the application may not be considered. All applications should contain the following information:

a) Type of Aircraft.
b) Nationality and registration marks of the aircraft.
c) Aircraft maximum take-off weight.
d) Name of person-in-command and number of crew.
e) Name and address of registered owner of aircraft.
f) Name and address of operator.
g) Purpose of the journey.
h) Details of route, point of landing in Malaysia and final destination.
i) Proposed time-table.
j) For passenger flights - give names, nationality and number of passengers on board and nature of flight, special event charter, casual tours etc
k) For cargo flights give nature of cargo, weight and dimensions.
l) Name and address of consign or/and consignee if applicable.
m) Name and address of tour organisers/charterer, if applicable.
n) Name, address and telephone number of operator's local agents, if applicable.
o) In case of passenger/cargo charter flights give rate charged for the flight.
p) Any other information that may be relevant to the proposed operation.

1.2.5.2.2 The Chief Executive Officer of Civil Aviation Authority of Malaysia may attach such conditions to a permit as he considers necessary.

1.2.5.2.3 All civil non-scheduled flight shall indicate the Malaysian permit number under FPL item 18. Failure to indicate may cause ATC to delay or deny the flight.

1.2.5.3 Procedures For Landing And Overflight Of Foreign Military or State Aircraft in/out Malaysia

1.2.5.3.1 All foreign military or state aircraft, intending to land at Malaysian Airports or overflying Malaysian airspace are to obtain approval through Diplomatic channels from the Ministry of Foreign Affairs, Wisma Putra, Kuala Lumpur giving full details as listed in sub-para 1.2.5.2.1 above.

1.2.6 PRODUCTION OF DOCUMENTS FOR INSPECTION

1.2.6.1 The pilot-in-command of an aircraft shall produce to any authorised person as and when requested by that person to do so, within reasonable time before the commencement or after the termination of a flight, any of the following documents:

a) Certificate of Airworthiness.
b) Certificate of Registration.
c) The licences of its operating crew and the student pilot's licence of any person required under the Civil Aviation Regulation 2016.
d) The Technical Log Book as required under the Civil Aviation Regulation 2016.
e) The Telecommunication Log Book in all cases in which is required under the Civil Aviation Regulation 2016.
f) Radio Station Licence.
g) Copy of Load Sheet (Malaysian registered aircraft only).
h) Passenger manifest showing name and places of embarkation and destination.
i) Cargo manifest.
j) Copy of Certificate of Maintenance (Malaysian registered aircraft only).
k) General Declaration of Health

Note: An authorised person means a Police Officer or a person acting with the authority of the Minister of Transport.

GEN 2.7 SUNRISE/SUNSET TABLES

2.7.1 WMKA - ALOR SETAR/SULTAN ABDUL HALIM

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:29	11:15
02 January 2025	Thursday	23:29	11:16
03 January 2025	Friday	23:30	11:16
04 January 2025	Saturday	23:30	11:17
05 January 2025	Sunday	23:30	11:17
06 January 2025	Monday	23:31	11:18
07 January 2025	Tuesday	23:31	11:18
08 January 2025	Wednesday	23:32	11:19
09 January 2025	Thursday	23:32	11:19
10 January 2025	Friday	23:32	11:20
11 January 2025	Saturday	23:33	11:20
12 January 2025	Sunday	23:33	11:21
13 January 2025	Monday	23:33	11:21
14 January 2025	Tuesday	23:33	11:21
15 January 2025	Wednesday	23:34	11:22
16 January 2025	Thursday	23:34	11:22
17 January 2025	Friday	23:34	11:23
18 January 2025	Saturday	23:34	11:23
19 January 2025	Sunday	23:35	11:24
20 January 2025	Monday	23:35	11:24
21 January 2025	Tuesday	23:35	11:24
22 January 2025	Wednesday	23:35	11:25
23 January 2025	Thursday	23:35	11:25
24 January 2025	Friday	23:36	11:25
25 January 2025	Saturday	23:36	11:26
26 January 2025	Sunday	23:36	11:26
27 January 2025	Monday	23:36	11:26
28 January 2025	Tuesday	23:36	11:27
29 January 2025	Wednesday	23:36	11:27
30 January 2025	Thursday	23:36	11:27
31 January 2025	Friday	23:36	11:28

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:36	11:28
02 February 2025	Sunday	23:36	11:28
03 February 2025	Monday	23:36	11:28
04 February 2025	Tuesday	23:36	11:29
05 February 2025	Wednesday	23:36	11:29
06 February 2025	Thursday	23:36	11:29
07 February 2025	Friday	23:36	11:29
08 February 2025	Saturday	23:36	11:29
09 February 2025	Sunday	23:36	11:30
10 February 2025	Monday	23:36	11:30
11 February 2025	Tuesday	23:35	11:30
12 February 2025	Wednesday	23:35	11:30
13 February 2025	Thursday	23:35	11:30
14 February 2025	Friday	23:35	11:30
15 February 2025	Saturday	23:35	11:30
16 February 2025	Sunday	23:34	11:30
17 February 2025	Monday	23:34	11:31
18 February 2025	Tuesday	23:34	11:31
19 February 2025	Wednesday	23:34	11:31
20 February 2025	Thursday	23:34	11:31
21 February 2025	Friday	23:33	11:31
22 February 2025	Saturday	23:33	11:31
23 February 2025	Sunday	23:33	11:31
24 February 2025	Monday	23:32	11:31
25 February 2025	Tuesday	23:32	11:31
26 February 2025	Wednesday	23:32	11:31
27 February 2025	Thursday	23:31	11:31
28 February 2025	Friday	23:31	11:31

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:31	11:31
02 March 2025	Sunday	23:30	11:31
03 March 2025	Monday	23:30	11:31
04 March 2025	Tuesday	23:30	11:31
05 March 2025	Wednesday	23:29	11:31
06 March 2025	Thursday	23:29	11:31
07 March 2025	Friday	23:28	11:31
08 March 2025	Saturday	23:28	11:30
09 March 2025	Sunday	23:28	11:30
10 March 2025	Monday	23:27	11:30
11 March 2025	Tuesday	23:27	11:30
12 March 2025	Wednesday	23:26	11:30
13 March 2025	Thursday	23:26	11:30
14 March 2025	Friday	23:25	11:30
15 March 2025	Saturday	23:25	11:30
16 March 2025	Sunday	23:25	11:30
17 March 2025	Monday	23:24	11:30
18 March 2025	Tuesday	23:24	11:29
19 March 2025	Wednesday	23:23	11:29
20 March 2025	Thursday	23:23	11:29
21 March 2025	Friday	23:22	11:29
22 March 2025	Saturday	23:22	11:29
23 March 2025	Sunday	23:21	11:29
24 March 2025	Monday	23:21	11:29
25 March 2025	Tuesday	23:20	11:29
26 March 2025	Wednesday	23:20	11:28
27 March 2025	Thursday	23:19	11:28
28 March 2025	Friday	23:19	11:28
29 March 2025	Saturday	23:18	11:28
30 March 2025	Sunday	23:18	11:28
31 March 2025	Monday	23:17	11:28

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:17	11:28
02 April 2025	Wednesday	23:17	11:27
03 April 2025	Thursday	23:16	11:27
04 April 2025	Friday	23:16	11:27
05 April 2025	Saturday	23:15	11:27
06 April 2025	Sunday	23:15	11:27
07 April 2025	Monday	23:14	11:27
08 April 2025	Tuesday	23:14	11:27
09 April 2025	Wednesday	23:13	11:27
10 April 2025	Thursday	23:13	11:27
11 April 2025	Friday	23:13	11:26
12 April 2025	Saturday	23:12	11:26
13 April 2025	Sunday	23:12	11:26
14 April 2025	Monday	23:11	11:26
15 April 2025	Tuesday	23:11	11:26
16 April 2025	Wednesday	23:10	11:26
17 April 2025	Thursday	23:10	11:26
18 April 2025	Friday	23:10	11:26
19 April 2025	Saturday	23:09	11:26
20 April 2025	Sunday	23:09	11:26
21 April 2025	Monday	23:09	11:26
22 April 2025	Tuesday	23:08	11:26
23 April 2025	Wednesday	23:08	11:26
24 April 2025	Thursday	23:07	11:26
25 April 2025	Friday	23:07	11:26
26 April 2025	Saturday	23:07	11:26
27 April 2025	Sunday	23:07	11:26
28 April 2025	Monday	23:06	11:26
29 April 2025	Tuesday	23:06	11:26
30 April 2025	Wednesday	23:06	11:26

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	23:05	11:26
02 May 2025	Friday	23:05	11:26
03 May 2025	Saturday	23:05	11:26
04 May 2025	Sunday	23:05	11:26
05 May 2025	Monday	23:04	11:26
06 May 2025	Tuesday	23:04	11:26
07 May 2025	Wednesday	23:04	11:26
08 May 2025	Thursday	23:04	11:26
09 May 2025	Friday	23:04	11:26
10 May 2025	Saturday	23:03	11:26
11 May 2025	Sunday	23:03	11:26
12 May 2025	Monday	23:03	11:26
13 May 2025	Tuesday	23:03	11:27
14 May 2025	Wednesday	23:03	11:27
15 May 2025	Thursday	23:03	11:27
16 May 2025	Friday	23:03	11:27
17 May 2025	Saturday	23:03	11:27
18 May 2025	Sunday	23:02	11:27
19 May 2025	Monday	23:02	11:27
20 May 2025	Tuesday	23:02	11:28
21 May 2025	Wednesday	23:02	11:28
22 May 2025	Thursday	23:02	11:28
23 May 2025	Friday	23:02	11:28
24 May 2025	Saturday	23:02	11:28
25 May 2025	Sunday	23:02	11:29
26 May 2025	Monday	23:02	11:29
27 May 2025	Tuesday	23:02	11:29
28 May 2025	Wednesday	23:02	11:29
29 May 2025	Thursday	23:02	11:29
30 May 2025	Friday	23:02	11:30
31 May 2025	Saturday	23:02	11:30

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	23:03	11:30
02 June 2025	Monday	23:03	11:30
03 June 2025	Tuesday	23:03	11:30
04 June 2025	Wednesday	23:03	11:31
05 June 2025	Thursday	23:03	11:31
06 June 2025	Friday	23:03	11:31
07 June 2025	Saturday	23:03	11:31
08 June 2025	Sunday	23:03	11:32
09 June 2025	Monday	23:03	11:32
10 June 2025	Tuesday	23:04	11:32
11 June 2025	Wednesday	23:04	11:32
12 June 2025	Thursday	23:04	11:33
13 June 2025	Friday	23:04	11:33
14 June 2025	Saturday	23:04	11:33
15 June 2025	Sunday	23:05	11:33
16 June 2025	Monday	23:05	11:34
17 June 2025	Tuesday	23:05	11:34
18 June 2025	Wednesday	23:05	11:34
19 June 2025	Thursday	23:05	11:34
20 June 2025	Friday	23:06	11:34
21 June 2025	Saturday	23:06	11:35
22 June 2025	Sunday	23:06	11:35
23 June 2025	Monday	23:06	11:35
24 June 2025	Tuesday	23:06	11:35
25 June 2025	Wednesday	23:07	11:36
26 June 2025	Thursday	23:07	11:36
27 June 2025	Friday	23:07	11:36
28 June 2025	Saturday	23:07	11:36
29 June 2025	Sunday	23:08	11:36
30 June 2025	Monday	23:08	11:36

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	23:08	11:37
02 July 2025	Wednesday	23:08	11:37
03 July 2025	Thursday	23:08	11:37
04 July 2025	Friday	23:09	11:37
05 July 2025	Saturday	23:09	11:37
06 July 2025	Sunday	23:09	11:37
07 July 2025	Monday	23:09	11:37
08 July 2025	Tuesday	23:10	11:37
09 July 2025	Wednesday	23:10	11:38
10 July 2025	Thursday	23:10	11:38
11 July 2025	Friday	23:10	11:38
12 July 2025	Saturday	23:10	11:38
13 July 2025	Sunday	23:11	11:38
14 July 2025	Monday	23:11	11:38
15 July 2025	Tuesday	23:11	11:38
16 July 2025	Wednesday	23:11	11:38
17 July 2025	Thursday	23:11	11:38
18 July 2025	Friday	23:12	11:38
19 July 2025	Saturday	23:12	11:38
20 July 2025	Sunday	23:12	11:38
21 July 2025	Monday	23:12	11:38
22 July 2025	Tuesday	23:12	11:38
23 July 2025	Wednesday	23:12	11:38
24 July 2025	Thursday	23:12	11:37
25 July 2025	Friday	23:13	11:37
26 July 2025	Saturday	23:13	11:37
27 July 2025	Sunday	23:13	11:37
28 July 2025	Monday	23:13	11:37
29 July 2025	Tuesday	23:13	11:37
30 July 2025	Wednesday	23:13	11:37
31 July 2025	Thursday	23:13	11:37

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:13	11:36
02 August 2025	Saturday	23:13	11:36
03 August 2025	Sunday	23:13	11:36
04 August 2025	Monday	23:13	11:36
05 August 2025	Tuesday	23:13	11:35
06 August 2025	Wednesday	23:13	11:35
07 August 2025	Thursday	23:13	11:35
08 August 2025	Friday	23:13	11:35
09 August 2025	Saturday	23:13	11:34
10 August 2025	Sunday	23:13	11:34
11 August 2025	Monday	23:13	11:34
12 August 2025	Tuesday	23:13	11:33
13 August 2025	Wednesday	23:13	11:33
14 August 2025	Thursday	23:13	11:33
15 August 2025	Friday	23:13	11:32
16 August 2025	Saturday	23:13	11:32
17 August 2025	Sunday	23:13	11:32
18 August 2025	Monday	23:13	11:31
19 August 2025	Tuesday	23:13	11:31
20 August 2025	Wednesday	23:13	11:31
21 August 2025	Thursday	23:13	11:30
22 August 2025	Friday	23:13	11:30
23 August 2025	Saturday	23:13	11:29
24 August 2025	Sunday	23:13	11:29
25 August 2025	Monday	23:12	11:29
26 August 2025	Tuesday	23:12	11:28
27 August 2025	Wednesday	23:12	11:28
28 August 2025	Thursday	23:12	11:27
29 August 2025	Friday	23:12	11:27
30 August 2025	Saturday	23:12	11:26
31 August 2025	Sunday	23:12	11:26

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:12	11:25
02 September 2025	Tuesday	23:11	11:25
03 September 2025	Wednesday	23:11	11:24
04 September 2025	Thursday	23:11	11:24
05 September 2025	Friday	23:11	11:23
06 September 2025	Saturday	23:11	11:23
07 September 2025	Sunday	23:11	11:22
08 September 2025	Monday	23:10	11:22
09 September 2025	Tuesday	23:10	11:21
10 September 2025	Wednesday	23:10	11:21
11 September 2025	Thursday	23:10	11:20
12 September 2025	Friday	23:10	11:20
13 September 2025	Saturday	23:09	11:19
14 September 2025	Sunday	23:09	11:19
15 September 2025	Monday	23:09	11:18
16 September 2025	Tuesday	23:09	11:18
17 September 2025	Wednesday	23:09	11:17
18 September 2025	Thursday	23:09	11:17
19 September 2025	Friday	23:08	11:16
20 September 2025	Saturday	23:08	11:16
21 September 2025	Sunday	23:08	11:15
22 September 2025	Monday	23:08	11:14
23 September 2025	Tuesday	23:08	11:14
24 September 2025	Wednesday	23:07	11:13
25 September 2025	Thursday	23:07	11:13
26 September 2025	Friday	23:07	11:12
27 September 2025	Saturday	23:07	11:12
28 September 2025	Sunday	23:07	11:11
29 September 2025	Monday	23:07	11:11
30 September 2025	Tuesday	23:06	11:10

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	23:06	11:10
02 October 2025	Thursday	23:06	11:09
03 October 2025	Friday	23:06	11:09
04 October 2025	Saturday	23:06	11:08
05 October 2025	Sunday	23:06	11:08
06 October 2025	Monday	23:06	11:08
07 October 2025	Tuesday	23:05	11:07
08 October 2025	Wednesday	23:05	11:07
09 October 2025	Thursday	23:05	11:06
10 October 2025	Friday	23:05	11:06
11 October 2025	Saturday	23:05	11:05
12 October 2025	Sunday	23:05	11:05
13 October 2025	Monday	23:05	11:05
14 October 2025	Tuesday	23:05	11:04
15 October 2025	Wednesday	23:05	11:04
16 October 2025	Thursday	23:05	11:03
17 October 2025	Friday	23:04	11:03
18 October 2025	Saturday	23:04	11:03
19 October 2025	Sunday	23:04	11:02
20 October 2025	Monday	23:04	11:02
21 October 2025	Tuesday	23:04	11:02
22 October 2025	Wednesday	23:04	11:01
23 October 2025	Thursday	23:04	11:01
24 October 2025	Friday	23:04	11:01
25 October 2025	Saturday	23:04	11:01
26 October 2025	Sunday	23:04	11:00
27 October 2025	Monday	23:05	11:00
28 October 2025	Tuesday	23:05	11:00
29 October 2025	Wednesday	23:05	11:00
30 October 2025	Thursday	23:05	10:59
31 October 2025	Friday	23:05	10:59

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	23:05	10:59
02 November 2025	Sunday	23:05	10:59
03 November 2025	Monday	23:05	10:59
04 November 2025	Tuesday	23:05	10:59
05 November 2025	Wednesday	23:06	10:58
06 November 2025	Thursday	23:06	10:58
07 November 2025	Friday	23:06	10:58
08 November 2025	Saturday	23:06	10:58
09 November 2025	Sunday	23:06	10:58
10 November 2025	Monday	23:06	10:58
11 November 2025	Tuesday	23:07	10:58
12 November 2025	Wednesday	23:07	10:58
13 November 2025	Thursday	23:07	10:58
14 November 2025	Friday	23:07	10:58
15 November 2025	Saturday	23:08	10:58
16 November 2025	Sunday	23:08	10:58
17 November 2025	Monday	23:08	10:58
18 November 2025	Tuesday	23:09	10:58
19 November 2025	Wednesday	23:09	10:59
20 November 2025	Thursday	23:09	10:59
21 November 2025	Friday	23:10	10:59
22 November 2025	Saturday	23:10	10:59
23 November 2025	Sunday	23:10	10:59
24 November 2025	Monday	23:11	10:59
25 November 2025	Tuesday	23:11	11:00
26 November 2025	Wednesday	23:12	11:00
27 November 2025	Thursday	23:12	11:00
28 November 2025	Friday	23:12	11:00
29 November 2025	Saturday	23:13	11:01
30 November 2025	Sunday	23:13	11:01

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	23:14	11:01
02 December 2025	Tuesday	23:14	11:01
03 December 2025	Wednesday	23:15	11:02
04 December 2025	Thursday	23:15	11:02
05 December 2025	Friday	23:16	11:02
06 December 2025	Saturday	23:16	11:03
07 December 2025	Sunday	23:16	11:03
08 December 2025	Monday	23:17	11:04
09 December 2025	Tuesday	23:17	11:04
10 December 2025	Wednesday	23:18	11:04
11 December 2025	Thursday	23:18	11:05
12 December 2025	Friday	23:19	11:05
13 December 2025	Saturday	23:19	11:06
14 December 2025	Sunday	23:20	11:06
15 December 2025	Monday	23:20	11:07
16 December 2025	Tuesday	23:21	11:07
17 December 2025	Wednesday	23:21	11:08
18 December 2025	Thursday	23:22	11:08
19 December 2025	Friday	23:22	11:08
20 December 2025	Saturday	23:23	11:09
21 December 2025	Sunday	23:23	11:09
22 December 2025	Monday	23:24	11:10
23 December 2025	Tuesday	23:24	11:10
24 December 2025	Wednesday	23:25	11:11
25 December 2025	Thursday	23:25	11:11
26 December 2025	Friday	23:26	11:12
27 December 2025	Saturday	23:26	11:13
28 December 2025	Sunday	23:27	11:13
29 December 2025	Monday	23:27	11:14
30 December 2025	Tuesday	23:28	11:14
31 December 2025	Wednesday	23:28	11:15

2.7.2 WMKB - BUTTERWORTH

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:28	11:16
02 January 2025	Thursday	23:28	11:17
03 January 2025	Friday	23:28	11:17
04 January 2025	Saturday	23:29	11:18
05 January 2025	Sunday	23:29	11:18
06 January 2025	Monday	23:30	11:19
07 January 2025	Tuesday	23:30	11:19
08 January 2025	Wednesday	23:30	11:20
09 January 2025	Thursday	23:31	11:20
10 January 2025	Friday	23:31	11:21
11 January 2025	Saturday	23:31	11:21
12 January 2025	Sunday	23:32	11:22
13 January 2025	Monday	23:32	11:22
14 January 2025	Tuesday	23:32	11:23
15 January 2025	Wednesday	23:33	11:23
16 January 2025	Thursday	23:33	11:24
17 January 2025	Friday	23:33	11:24
18 January 2025	Saturday	23:33	11:24
19 January 2025	Sunday	23:34	11:25
20 January 2025	Monday	23:34	11:25
21 January 2025	Tuesday	23:34	11:25
22 January 2025	Wednesday	23:34	11:26
23 January 2025	Thursday	23:34	11:26
24 January 2025	Friday	23:35	11:27
25 January 2025	Saturday	23:35	11:27
26 January 2025	Sunday	23:35	11:27
27 January 2025	Monday	23:35	11:27
28 January 2025	Tuesday	23:35	11:28
29 January 2025	Wednesday	23:35	11:28
30 January 2025	Thursday	23:35	11:28
31 January 2025	Friday	23:35	11:29

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:35	11:29
02 February 2025	Sunday	23:35	11:29
03 February 2025	Monday	23:35	11:29
04 February 2025	Tuesday	23:35	11:30
05 February 2025	Wednesday	23:35	11:30
06 February 2025	Thursday	23:35	11:30
07 February 2025	Friday	23:35	11:30
08 February 2025	Saturday	23:35	11:30
09 February 2025	Sunday	23:35	11:30
10 February 2025	Monday	23:35	11:31
11 February 2025	Tuesday	23:35	11:31
12 February 2025	Wednesday	23:35	11:31
13 February 2025	Thursday	23:34	11:31
14 February 2025	Friday	23:34	11:31
15 February 2025	Saturday	23:34	11:31
16 February 2025	Sunday	23:34	11:31
17 February 2025	Monday	23:34	11:31
18 February 2025	Tuesday	23:33	11:31
19 February 2025	Wednesday	23:33	11:31
20 February 2025	Thursday	23:33	11:31
21 February 2025	Friday	23:33	11:31
22 February 2025	Saturday	23:32	11:31
23 February 2025	Sunday	23:32	11:31
24 February 2025	Monday	23:32	11:31
25 February 2025	Tuesday	23:32	11:31
26 February 2025	Wednesday	23:31	11:31
27 February 2025	Thursday	23:31	11:31
28 February 2025	Friday	23:31	11:31

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:30	11:31
02 March 2025	Sunday	23:30	11:31
03 March 2025	Monday	23:30	11:31
04 March 2025	Tuesday	23:29	11:31
05 March 2025	Wednesday	23:29	11:31
06 March 2025	Thursday	23:29	11:31
07 March 2025	Friday	23:28	11:31
08 March 2025	Saturday	23:28	11:31
09 March 2025	Sunday	23:27	11:31
10 March 2025	Monday	23:27	11:31
11 March 2025	Tuesday	23:27	11:30
12 March 2025	Wednesday	23:26	11:30
13 March 2025	Thursday	23:26	11:30
14 March 2025	Friday	23:25	11:30
15 March 2025	Saturday	23:25	11:30
16 March 2025	Sunday	23:24	11:30
17 March 2025	Monday	23:24	11:30
18 March 2025	Tuesday	23:24	11:29
19 March 2025	Wednesday	23:23	11:29
20 March 2025	Thursday	23:23	11:29
21 March 2025	Friday	23:22	11:29
22 March 2025	Saturday	23:22	11:29
23 March 2025	Sunday	23:21	11:29
24 March 2025	Monday	23:21	11:29
25 March 2025	Tuesday	23:20	11:28
26 March 2025	Wednesday	23:20	11:28
27 March 2025	Thursday	23:20	11:28
28 March 2025	Friday	23:19	11:28
29 March 2025	Saturday	23:19	11:28
30 March 2025	Sunday	23:18	11:28
31 March 2025	Monday	23:18	11:28

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:17	11:27
02 April 2025	Wednesday	23:17	11:27
03 April 2025	Thursday	23:16	11:27
04 April 2025	Friday	23:16	11:27
05 April 2025	Saturday	23:16	11:27
06 April 2025	Sunday	23:15	11:27
07 April 2025	Monday	23:15	11:27
08 April 2025	Tuesday	23:14	11:26
09 April 2025	Wednesday	23:14	11:26
10 April 2025	Thursday	23:13	11:26
11 April 2025	Friday	23:13	11:26
12 April 2025	Saturday	23:13	11:26
13 April 2025	Sunday	23:12	11:26
14 April 2025	Monday	23:12	11:26
15 April 2025	Tuesday	23:11	11:26
16 April 2025	Wednesday	23:11	11:26
17 April 2025	Thursday	23:11	11:25
18 April 2025	Friday	23:10	11:25
19 April 2025	Saturday	23:10	11:25
20 April 2025	Sunday	23:10	11:25
21 April 2025	Monday	23:09	11:25
22 April 2025	Tuesday	23:09	11:25
23 April 2025	Wednesday	23:09	11:25
24 April 2025	Thursday	23:08	11:25
25 April 2025	Friday	23:08	11:25
26 April 2025	Saturday	23:08	11:25
27 April 2025	Sunday	23:07	11:25
28 April 2025	Monday	23:07	11:25
29 April 2025	Tuesday	23:07	11:25
30 April 2025	Wednesday	23:06	11:25

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	23:06	11:25
02 May 2025	Friday	23:06	11:25
03 May 2025	Saturday	23:06	11:25
04 May 2025	Sunday	23:06	11:25
05 May 2025	Monday	23:05	11:25
06 May 2025	Tuesday	23:05	11:25
07 May 2025	Wednesday	23:05	11:25
08 May 2025	Thursday	23:05	11:25
09 May 2025	Friday	23:05	11:25
10 May 2025	Saturday	23:04	11:25
11 May 2025	Sunday	23:04	11:25
12 May 2025	Monday	23:04	11:26
13 May 2025	Tuesday	23:04	11:26
14 May 2025	Wednesday	23:04	11:26
15 May 2025	Thursday	23:04	11:26
16 May 2025	Friday	23:04	11:26
17 May 2025	Saturday	23:04	11:26
18 May 2025	Sunday	23:04	11:26
19 May 2025	Monday	23:03	11:26
20 May 2025	Tuesday	23:03	11:27
21 May 2025	Wednesday	23:03	11:27
22 May 2025	Thursday	23:03	11:27
23 May 2025	Friday	23:03	11:27
24 May 2025	Saturday	23:03	11:27
25 May 2025	Sunday	23:03	11:27
26 May 2025	Monday	23:03	11:28
27 May 2025	Tuesday	23:03	11:28
28 May 2025	Wednesday	23:04	11:28
29 May 2025	Thursday	23:04	11:28
30 May 2025	Friday	23:04	11:28
31 May 2025	Saturday	23:04	11:29

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	23:04	11:29
02 June 2025	Monday	23:04	11:29
03 June 2025	Tuesday	23:04	11:29
04 June 2025	Wednesday	23:04	11:30
05 June 2025	Thursday	23:04	11:30
06 June 2025	Friday	23:04	11:30
07 June 2025	Saturday	23:04	11:30
08 June 2025	Sunday	23:05	11:30
09 June 2025	Monday	23:05	11:31
10 June 2025	Tuesday	23:05	11:31
11 June 2025	Wednesday	23:05	11:31
12 June 2025	Thursday	23:05	11:31
13 June 2025	Friday	23:05	11:32
14 June 2025	Saturday	23:06	11:32
15 June 2025	Sunday	23:06	11:32
16 June 2025	Monday	23:06	11:32
17 June 2025	Tuesday	23:06	11:33
18 June 2025	Wednesday	23:06	11:33
19 June 2025	Thursday	23:07	11:33
20 June 2025	Friday	23:07	11:33
21 June 2025	Saturday	23:07	11:33
22 June 2025	Sunday	23:07	11:34
23 June 2025	Monday	23:08	11:34
24 June 2025	Tuesday	23:08	11:34
25 June 2025	Wednesday	23:08	11:34
26 June 2025	Thursday	23:08	11:35
27 June 2025	Friday	23:08	11:35
28 June 2025	Saturday	23:09	11:35
29 June 2025	Sunday	23:09	11:35
30 June 2025	Monday	23:09	11:35

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	23:09	11:35
02 July 2025	Wednesday	23:10	11:36
03 July 2025	Thursday	23:10	11:36
04 July 2025	Friday	23:10	11:36
05 July 2025	Saturday	23:10	11:36
06 July 2025	Sunday	23:10	11:36
07 July 2025	Monday	23:11	11:36
08 July 2025	Tuesday	23:11	11:36
09 July 2025	Wednesday	23:11	11:36
10 July 2025	Thursday	23:11	11:36
11 July 2025	Friday	23:11	11:37
12 July 2025	Saturday	23:12	11:37
13 July 2025	Sunday	23:12	11:37
14 July 2025	Monday	23:12	11:37
15 July 2025	Tuesday	23:12	11:37
16 July 2025	Wednesday	23:12	11:37
17 July 2025	Thursday	23:13	11:37
18 July 2025	Friday	23:13	11:37
19 July 2025	Saturday	23:13	11:37
20 July 2025	Sunday	23:13	11:37
21 July 2025	Monday	23:13	11:37
22 July 2025	Tuesday	23:13	11:37
23 July 2025	Wednesday	23:13	11:37
24 July 2025	Thursday	23:14	11:36
25 July 2025	Friday	23:14	11:36
26 July 2025	Saturday	23:14	11:36
27 July 2025	Sunday	23:14	11:36
28 July 2025	Monday	23:14	11:36
29 July 2025	Tuesday	23:14	11:36
30 July 2025	Wednesday	23:14	11:36
31 July 2025	Thursday	23:14	11:36

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:14	11:35
02 August 2025	Saturday	23:14	11:35
03 August 2025	Sunday	23:14	11:35
04 August 2025	Monday	23:14	11:35
05 August 2025	Tuesday	23:14	11:35
06 August 2025	Wednesday	23:14	11:34
07 August 2025	Thursday	23:14	11:34
08 August 2025	Friday	23:14	11:34
09 August 2025	Saturday	23:14	11:34
10 August 2025	Sunday	23:14	11:33
11 August 2025	Monday	23:14	11:33
12 August 2025	Tuesday	23:14	11:33
13 August 2025	Wednesday	23:14	11:32
14 August 2025	Thursday	23:14	11:32
15 August 2025	Friday	23:14	11:32
16 August 2025	Saturday	23:14	11:31
17 August 2025	Sunday	23:14	11:31
18 August 2025	Monday	23:14	11:31
19 August 2025	Tuesday	23:14	11:30
20 August 2025	Wednesday	23:14	11:30
21 August 2025	Thursday	23:14	11:30
22 August 2025	Friday	23:13	11:29
23 August 2025	Saturday	23:13	11:29
24 August 2025	Sunday	23:13	11:28
25 August 2025	Monday	23:13	11:28
26 August 2025	Tuesday	23:13	11:28
27 August 2025	Wednesday	23:13	11:27
28 August 2025	Thursday	23:13	11:27
29 August 2025	Friday	23:13	11:26
30 August 2025	Saturday	23:12	11:26
31 August 2025	Sunday	23:12	11:25

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:12	11:25
02 September 2025	Tuesday	23:12	11:24
03 September 2025	Wednesday	23:12	11:24
04 September 2025	Thursday	23:11	11:23
05 September 2025	Friday	23:11	11:23
06 September 2025	Saturday	23:11	11:23
07 September 2025	Sunday	23:11	11:22
08 September 2025	Monday	23:11	11:22
09 September 2025	Tuesday	23:11	11:21
10 September 2025	Wednesday	23:10	11:21
11 September 2025	Thursday	23:10	11:20
12 September 2025	Friday	23:10	11:20
13 September 2025	Saturday	23:10	11:19
14 September 2025	Sunday	23:09	11:19
15 September 2025	Monday	23:09	11:18
16 September 2025	Tuesday	23:09	11:18
17 September 2025	Wednesday	23:09	11:17
18 September 2025	Thursday	23:09	11:17
19 September 2025	Friday	23:08	11:16
20 September 2025	Saturday	23:08	11:16
21 September 2025	Sunday	23:08	11:15
22 September 2025	Monday	23:08	11:15
23 September 2025	Tuesday	23:08	11:14
24 September 2025	Wednesday	23:07	11:14
25 September 2025	Thursday	23:07	11:13
26 September 2025	Friday	23:07	11:13
27 September 2025	Saturday	23:07	11:12
28 September 2025	Sunday	23:07	11:12
29 September 2025	Monday	23:06	11:11
30 September 2025	Tuesday	23:06	11:11

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	23:06	11:10
02 October 2025	Thursday	23:06	11:10
03 October 2025	Friday	23:06	11:09
04 October 2025	Saturday	23:06	11:09
05 October 2025	Sunday	23:05	11:08
06 October 2025	Monday	23:05	11:08
07 October 2025	Tuesday	23:05	11:07
08 October 2025	Wednesday	23:05	11:07
09 October 2025	Thursday	23:05	11:07
10 October 2025	Friday	23:05	11:06
11 October 2025	Saturday	23:05	11:06
12 October 2025	Sunday	23:05	11:05
13 October 2025	Monday	23:04	11:05
14 October 2025	Tuesday	23:04	11:05
15 October 2025	Wednesday	23:04	11:04
16 October 2025	Thursday	23:04	11:04
17 October 2025	Friday	23:04	11:04
18 October 2025	Saturday	23:04	11:03
19 October 2025	Sunday	23:04	11:03
20 October 2025	Monday	23:04	11:03
21 October 2025	Tuesday	23:04	11:02
22 October 2025	Wednesday	23:04	11:02
23 October 2025	Thursday	23:04	11:02
24 October 2025	Friday	23:04	11:01
25 October 2025	Saturday	23:04	11:01
26 October 2025	Sunday	23:04	11:01
27 October 2025	Monday	23:04	11:01
28 October 2025	Tuesday	23:04	11:01
29 October 2025	Wednesday	23:04	11:00
30 October 2025	Thursday	23:04	11:00
31 October 2025	Friday	23:04	11:00

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	23:04	11:00
02 November 2025	Sunday	23:04	11:00
03 November 2025	Monday	23:04	11:00
04 November 2025	Tuesday	23:05	10:59
05 November 2025	Wednesday	23:05	10:59
06 November 2025	Thursday	23:05	10:59
07 November 2025	Friday	23:05	10:59
08 November 2025	Saturday	23:05	10:59
09 November 2025	Sunday	23:05	10:59
10 November 2025	Monday	23:06	10:59
11 November 2025	Tuesday	23:06	10:59
12 November 2025	Wednesday	23:06	10:59
13 November 2025	Thursday	23:06	10:59
14 November 2025	Friday	23:07	10:59
15 November 2025	Saturday	23:07	10:59
16 November 2025	Sunday	23:07	10:59
17 November 2025	Monday	23:07	10:59
18 November 2025	Tuesday	23:08	11:00
19 November 2025	Wednesday	23:08	11:00
20 November 2025	Thursday	23:08	11:00
21 November 2025	Friday	23:09	11:00
22 November 2025	Saturday	23:09	11:00
23 November 2025	Sunday	23:09	11:00
24 November 2025	Monday	23:10	11:01
25 November 2025	Tuesday	23:10	11:01
26 November 2025	Wednesday	23:10	11:01
27 November 2025	Thursday	23:11	11:01
28 November 2025	Friday	23:11	11:01
29 November 2025	Saturday	23:12	11:02
30 November 2025	Sunday	23:12	11:02

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	23:13	11:02
02 December 2025	Tuesday	23:13	11:03
03 December 2025	Wednesday	23:13	11:03
04 December 2025	Thursday	23:14	11:03
05 December 2025	Friday	23:14	11:04
06 December 2025	Saturday	23:15	11:04
07 December 2025	Sunday	23:15	11:04
08 December 2025	Monday	23:16	11:05
09 December 2025	Tuesday	23:16	11:05
10 December 2025	Wednesday	23:17	11:06
11 December 2025	Thursday	23:17	11:06
12 December 2025	Friday	23:18	11:07
13 December 2025	Saturday	23:18	11:07
14 December 2025	Sunday	23:19	11:07
15 December 2025	Monday	23:19	11:08
16 December 2025	Tuesday	23:20	11:08
17 December 2025	Wednesday	23:20	11:09
18 December 2025	Thursday	23:21	11:09
19 December 2025	Friday	23:21	11:10
20 December 2025	Saturday	23:22	11:10
21 December 2025	Sunday	23:22	11:11
22 December 2025	Monday	23:23	11:11
23 December 2025	Tuesday	23:23	11:12
24 December 2025	Wednesday	23:24	11:12
25 December 2025	Thursday	23:24	11:13
26 December 2025	Friday	23:25	11:13
27 December 2025	Saturday	23:25	11:14
28 December 2025	Sunday	23:26	11:14
29 December 2025	Monday	23:26	11:15
30 December 2025	Tuesday	23:27	11:15
31 December 2025	Wednesday	23:27	11:16

2.7.3 WMKC - KOTA BHARU/SULTAN ISMAIL PETRA

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:21	11:08
02 January 2025	Thursday	23:22	11:08
03 January 2025	Friday	23:22	11:09
04 January 2025	Saturday	23:22	11:09
05 January 2025	Sunday	23:23	11:10
06 January 2025	Monday	23:23	11:10
07 January 2025	Tuesday	23:24	11:11
08 January 2025	Wednesday	23:24	11:11
09 January 2025	Thursday	23:24	11:12
10 January 2025	Friday	23:25	11:12
11 January 2025	Saturday	23:25	11:13
12 January 2025	Sunday	23:25	11:13
13 January 2025	Monday	23:26	11:13
14 January 2025	Tuesday	23:26	11:14
15 January 2025	Wednesday	23:26	11:14
16 January 2025	Thursday	23:26	11:15
17 January 2025	Friday	23:27	11:15
18 January 2025	Saturday	23:27	11:16
19 January 2025	Sunday	23:27	11:16
20 January 2025	Monday	23:27	11:16
21 January 2025	Tuesday	23:27	11:17
22 January 2025	Wednesday	23:28	11:17
23 January 2025	Thursday	23:28	11:18
24 January 2025	Friday	23:28	11:18
25 January 2025	Saturday	23:28	11:18
26 January 2025	Sunday	23:28	11:19
27 January 2025	Monday	23:28	11:19
28 January 2025	Tuesday	23:28	11:19
29 January 2025	Wednesday	23:28	11:20
30 January 2025	Thursday	23:28	11:20
31 January 2025	Friday	23:28	11:20

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:28	11:20
02 February 2025	Sunday	23:28	11:21
03 February 2025	Monday	23:28	11:21
04 February 2025	Tuesday	23:28	11:21
05 February 2025	Wednesday	23:28	11:21
06 February 2025	Thursday	23:28	11:22
07 February 2025	Friday	23:28	11:22
08 February 2025	Saturday	23:28	11:22
09 February 2025	Sunday	23:28	11:22
10 February 2025	Monday	23:28	11:22
11 February 2025	Tuesday	23:28	11:22
12 February 2025	Wednesday	23:28	11:22
13 February 2025	Thursday	23:27	11:23
14 February 2025	Friday	23:27	11:23
15 February 2025	Saturday	23:27	11:23
16 February 2025	Sunday	23:27	11:23
17 February 2025	Monday	23:27	11:23
18 February 2025	Tuesday	23:26	11:23
19 February 2025	Wednesday	23:26	11:23
20 February 2025	Thursday	23:26	11:23
21 February 2025	Friday	23:26	11:23
22 February 2025	Saturday	23:25	11:23
23 February 2025	Sunday	23:25	11:23
24 February 2025	Monday	23:25	11:23
25 February 2025	Tuesday	23:24	11:23
26 February 2025	Wednesday	23:24	11:23
27 February 2025	Thursday	23:24	11:23
28 February 2025	Friday	23:23	11:23

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:23	11:23
02 March 2025	Sunday	23:23	11:23
03 March 2025	Monday	23:22	11:23
04 March 2025	Tuesday	23:22	11:23
05 March 2025	Wednesday	23:22	11:23
06 March 2025	Thursday	23:21	11:23
07 March 2025	Friday	23:21	11:23
08 March 2025	Saturday	23:20	11:23
09 March 2025	Sunday	23:20	11:23
10 March 2025	Monday	23:20	11:23
11 March 2025	Tuesday	23:19	11:23
12 March 2025	Wednesday	23:19	11:22
13 March 2025	Thursday	23:18	11:22
14 March 2025	Friday	23:18	11:22
15 March 2025	Saturday	23:17	11:22
16 March 2025	Sunday	23:17	11:22
17 March 2025	Monday	23:16	11:22
18 March 2025	Tuesday	23:16	11:22
19 March 2025	Wednesday	23:16	11:22
20 March 2025	Thursday	23:15	11:22
21 March 2025	Friday	23:15	11:21
22 March 2025	Saturday	23:14	11:21
23 March 2025	Sunday	23:14	11:21
24 March 2025	Monday	23:13	11:21
25 March 2025	Tuesday	23:13	11:21
26 March 2025	Wednesday	23:12	11:21
27 March 2025	Thursday	23:12	11:21
28 March 2025	Friday	23:11	11:21
29 March 2025	Saturday	23:11	11:20
30 March 2025	Sunday	23:10	11:20
31 March 2025	Monday	23:10	11:20

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:09	11:20
02 April 2025	Wednesday	23:09	11:20
03 April 2025	Thursday	23:09	11:20
04 April 2025	Friday	23:08	11:20
05 April 2025	Saturday	23:08	11:20
06 April 2025	Sunday	23:07	11:19
07 April 2025	Monday	23:07	11:19
08 April 2025	Tuesday	23:06	11:19
09 April 2025	Wednesday	23:06	11:19
10 April 2025	Thursday	23:05	11:19
11 April 2025	Friday	23:05	11:19
12 April 2025	Saturday	23:05	11:19
13 April 2025	Sunday	23:04	11:19
14 April 2025	Monday	23:04	11:19
15 April 2025	Tuesday	23:03	11:19
16 April 2025	Wednesday	23:03	11:18
17 April 2025	Thursday	23:02	11:18
18 April 2025	Friday	23:02	11:18
19 April 2025	Saturday	23:02	11:18
20 April 2025	Sunday	23:01	11:18
21 April 2025	Monday	23:01	11:18
22 April 2025	Tuesday	23:01	11:18
23 April 2025	Wednesday	23:00	11:18
24 April 2025	Thursday	23:00	11:18
25 April 2025	Friday	23:00	11:18
26 April 2025	Saturday	22:59	11:18
27 April 2025	Sunday	22:59	11:18
28 April 2025	Monday	22:59	11:18
29 April 2025	Tuesday	22:58	11:18
30 April 2025	Wednesday	22:58	11:18

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:58	11:18
02 May 2025	Friday	22:58	11:18
03 May 2025	Saturday	22:57	11:18
04 May 2025	Sunday	22:57	11:18
05 May 2025	Monday	22:57	11:18
06 May 2025	Tuesday	22:57	11:18
07 May 2025	Wednesday	22:56	11:18
08 May 2025	Thursday	22:56	11:18
09 May 2025	Friday	22:56	11:19
10 May 2025	Saturday	22:56	11:19
11 May 2025	Sunday	22:56	11:19
12 May 2025	Monday	22:56	11:19
13 May 2025	Tuesday	22:55	11:19
14 May 2025	Wednesday	22:55	11:19
15 May 2025	Thursday	22:55	11:19
16 May 2025	Friday	22:55	11:19
17 May 2025	Saturday	22:55	11:20
18 May 2025	Sunday	22:55	11:20
19 May 2025	Monday	22:55	11:20
20 May 2025	Tuesday	22:55	11:20
21 May 2025	Wednesday	22:55	11:20
22 May 2025	Thursday	22:55	11:20
23 May 2025	Friday	22:55	11:21
24 May 2025	Saturday	22:55	11:21
25 May 2025	Sunday	22:55	11:21
26 May 2025	Monday	22:55	11:21
27 May 2025	Tuesday	22:55	11:21
28 May 2025	Wednesday	22:55	11:22
29 May 2025	Thursday	22:55	11:22
30 May 2025	Friday	22:55	11:22
31 May 2025	Saturday	22:55	11:22

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:55	11:22
02 June 2025	Monday	22:55	11:23
03 June 2025	Tuesday	22:55	11:23
04 June 2025	Wednesday	22:55	11:23
05 June 2025	Thursday	22:55	11:23
06 June 2025	Friday	22:56	11:24
07 June 2025	Saturday	22:56	11:24
08 June 2025	Sunday	22:56	11:24
09 June 2025	Monday	22:56	11:24
10 June 2025	Tuesday	22:56	11:25
11 June 2025	Wednesday	22:56	11:25
12 June 2025	Thursday	22:56	11:25
13 June 2025	Friday	22:57	11:25
14 June 2025	Saturday	22:57	11:25
15 June 2025	Sunday	22:57	11:26
16 June 2025	Monday	22:57	11:26
17 June 2025	Tuesday	22:57	11:26
18 June 2025	Wednesday	22:58	11:26
19 June 2025	Thursday	22:58	11:27
20 June 2025	Friday	22:58	11:27
21 June 2025	Saturday	22:58	11:27
22 June 2025	Sunday	22:58	11:27
23 June 2025	Monday	22:59	11:28
24 June 2025	Tuesday	22:59	11:28
25 June 2025	Wednesday	22:59	11:28
26 June 2025	Thursday	22:59	11:28
27 June 2025	Friday	23:00	11:28
28 June 2025	Saturday	23:00	11:28
29 June 2025	Sunday	23:00	11:29
30 June 2025	Monday	23:00	11:29

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	23:00	11:29
02 July 2025	Wednesday	23:01	11:29
03 July 2025	Thursday	23:01	11:29
04 July 2025	Friday	23:01	11:29
05 July 2025	Saturday	23:01	11:30
06 July 2025	Sunday	23:02	11:30
07 July 2025	Monday	23:02	11:30
08 July 2025	Tuesday	23:02	11:30
09 July 2025	Wednesday	23:02	11:30
10 July 2025	Thursday	23:02	11:30
11 July 2025	Friday	23:03	11:30
12 July 2025	Saturday	23:03	11:30
13 July 2025	Sunday	23:03	11:30
14 July 2025	Monday	23:03	11:30
15 July 2025	Tuesday	23:03	11:30
16 July 2025	Wednesday	23:04	11:30
17 July 2025	Thursday	23:04	11:30
18 July 2025	Friday	23:04	11:30
19 July 2025	Saturday	23:04	11:30
20 July 2025	Sunday	23:04	11:30
21 July 2025	Monday	23:04	11:30
22 July 2025	Tuesday	23:05	11:30
23 July 2025	Wednesday	23:05	11:30
24 July 2025	Thursday	23:05	11:30
25 July 2025	Friday	23:05	11:30
26 July 2025	Saturday	23:05	11:30
27 July 2025	Sunday	23:05	11:30
28 July 2025	Monday	23:05	11:29
29 July 2025	Tuesday	23:05	11:29
30 July 2025	Wednesday	23:06	11:29
31 July 2025	Thursday	23:06	11:29

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:06	11:29
02 August 2025	Saturday	23:06	11:29
03 August 2025	Sunday	23:06	11:28
04 August 2025	Monday	23:06	11:28
05 August 2025	Tuesday	23:06	11:28
06 August 2025	Wednesday	23:06	11:28
07 August 2025	Thursday	23:06	11:27
08 August 2025	Friday	23:06	11:27
09 August 2025	Saturday	23:06	11:27
10 August 2025	Sunday	23:06	11:26
11 August 2025	Monday	23:06	11:26
12 August 2025	Tuesday	23:06	11:26
13 August 2025	Wednesday	23:06	11:26
14 August 2025	Thursday	23:06	11:25
15 August 2025	Friday	23:06	11:25
16 August 2025	Saturday	23:06	11:25
17 August 2025	Sunday	23:06	11:24
18 August 2025	Monday	23:06	11:24
19 August 2025	Tuesday	23:05	11:23
20 August 2025	Wednesday	23:05	11:23
21 August 2025	Thursday	23:05	11:23
22 August 2025	Friday	23:05	11:22
23 August 2025	Saturday	23:05	11:22
24 August 2025	Sunday	23:05	11:21
25 August 2025	Monday	23:05	11:21
26 August 2025	Tuesday	23:05	11:20
27 August 2025	Wednesday	23:05	11:20
28 August 2025	Thursday	23:05	11:20
29 August 2025	Friday	23:04	11:19
30 August 2025	Saturday	23:04	11:19
31 August 2025	Sunday	23:04	11:18

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:04	11:18
02 September 2025	Tuesday	23:04	11:17
03 September 2025	Wednesday	23:04	11:17
04 September 2025	Thursday	23:03	11:16
05 September 2025	Friday	23:03	11:16
06 September 2025	Saturday	23:03	11:15
07 September 2025	Sunday	23:03	11:15
08 September 2025	Monday	23:03	11:14
09 September 2025	Tuesday	23:03	11:14
10 September 2025	Wednesday	23:02	11:13
11 September 2025	Thursday	23:02	11:13
12 September 2025	Friday	23:02	11:12
13 September 2025	Saturday	23:02	11:12
14 September 2025	Sunday	23:02	11:11
15 September 2025	Monday	23:01	11:11
16 September 2025	Tuesday	23:01	11:10
17 September 2025	Wednesday	23:01	11:09
18 September 2025	Thursday	23:01	11:09
19 September 2025	Friday	23:01	11:08
20 September 2025	Saturday	23:01	11:08
21 September 2025	Sunday	23:00	11:07
22 September 2025	Monday	23:00	11:07
23 September 2025	Tuesday	23:00	11:06
24 September 2025	Wednesday	23:00	11:06
25 September 2025	Thursday	23:00	11:05
26 September 2025	Friday	22:59	11:05
27 September 2025	Saturday	22:59	11:04
28 September 2025	Sunday	22:59	11:04
29 September 2025	Monday	22:59	11:03
30 September 2025	Tuesday	22:59	11:03

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:59	11:02
02 October 2025	Thursday	22:58	11:02
03 October 2025	Friday	22:58	11:01
04 October 2025	Saturday	22:58	11:01
05 October 2025	Sunday	22:58	11:00
06 October 2025	Monday	22:58	11:00
07 October 2025	Tuesday	22:58	10:59
08 October 2025	Wednesday	22:58	10:59
09 October 2025	Thursday	22:58	10:59
10 October 2025	Friday	22:57	10:58
11 October 2025	Saturday	22:57	10:58
12 October 2025	Sunday	22:57	10:57
13 October 2025	Monday	22:57	10:57
14 October 2025	Tuesday	22:57	10:57
15 October 2025	Wednesday	22:57	10:56
16 October 2025	Thursday	22:57	10:56
17 October 2025	Friday	22:57	10:55
18 October 2025	Saturday	22:57	10:55
19 October 2025	Sunday	22:57	10:55
20 October 2025	Monday	22:57	10:54
21 October 2025	Tuesday	22:57	10:54
22 October 2025	Wednesday	22:57	10:54
23 October 2025	Thursday	22:57	10:53
24 October 2025	Friday	22:57	10:53
25 October 2025	Saturday	22:57	10:53
26 October 2025	Sunday	22:57	10:53
27 October 2025	Monday	22:57	10:52
28 October 2025	Tuesday	22:57	10:52
29 October 2025	Wednesday	22:57	10:52
30 October 2025	Thursday	22:57	10:52
31 October 2025	Friday	22:57	10:52

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:57	10:51
02 November 2025	Sunday	22:57	10:51
03 November 2025	Monday	22:58	10:51
04 November 2025	Tuesday	22:58	10:51
05 November 2025	Wednesday	22:58	10:51
06 November 2025	Thursday	22:58	10:51
07 November 2025	Friday	22:58	10:51
08 November 2025	Saturday	22:58	10:51
09 November 2025	Sunday	22:59	10:51
10 November 2025	Monday	22:59	10:51
11 November 2025	Tuesday	22:59	10:51
12 November 2025	Wednesday	22:59	10:51
13 November 2025	Thursday	23:00	10:51
14 November 2025	Friday	23:00	10:51
15 November 2025	Saturday	23:00	10:51
16 November 2025	Sunday	23:00	10:51
17 November 2025	Monday	23:01	10:51
18 November 2025	Tuesday	23:01	10:51
19 November 2025	Wednesday	23:01	10:51
20 November 2025	Thursday	23:02	10:51
21 November 2025	Friday	23:02	10:51
22 November 2025	Saturday	23:02	10:51
23 November 2025	Sunday	23:03	10:52
24 November 2025	Monday	23:03	10:52
25 November 2025	Tuesday	23:04	10:52
26 November 2025	Wednesday	23:04	10:52
27 November 2025	Thursday	23:04	10:52
28 November 2025	Friday	23:05	10:53
29 November 2025	Saturday	23:05	10:53
30 November 2025	Sunday	23:06	10:53

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	23:06	10:54
02 December 2025	Tuesday	23:07	10:54
03 December 2025	Wednesday	23:07	10:54
04 December 2025	Thursday	23:07	10:55
05 December 2025	Friday	23:08	10:55
06 December 2025	Saturday	23:08	10:55
07 December 2025	Sunday	23:09	10:56
08 December 2025	Monday	23:09	10:56
09 December 2025	Tuesday	23:10	10:56
10 December 2025	Wednesday	23:10	10:57
11 December 2025	Thursday	23:11	10:57
12 December 2025	Friday	23:11	10:58
13 December 2025	Saturday	23:12	10:58
14 December 2025	Sunday	23:12	10:59
15 December 2025	Monday	23:13	10:59
16 December 2025	Tuesday	23:13	10:59
17 December 2025	Wednesday	23:14	11:00
18 December 2025	Thursday	23:14	11:00
19 December 2025	Friday	23:15	11:01
20 December 2025	Saturday	23:15	11:01
21 December 2025	Sunday	23:16	11:02
22 December 2025	Monday	23:16	11:02
23 December 2025	Tuesday	23:17	11:03
24 December 2025	Wednesday	23:17	11:03
25 December 2025	Thursday	23:18	11:04
26 December 2025	Friday	23:18	11:04
27 December 2025	Saturday	23:19	11:05
28 December 2025	Sunday	23:19	11:05
29 December 2025	Monday	23:20	11:06
30 December 2025	Tuesday	23:20	11:06
31 December 2025	Wednesday	23:21	11:07

2.7.4 WMKD - KUANTAN AIRPORT

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:13	11:08
02 January 2025	Thursday	23:14	11:09
03 January 2025	Friday	23:14	11:09
04 January 2025	Saturday	23:15	11:09
05 January 2025	Sunday	23:15	11:10
06 January 2025	Monday	23:16	11:10
07 January 2025	Tuesday	23:16	11:11
08 January 2025	Wednesday	23:16	11:11
09 January 2025	Thursday	23:17	11:12
10 January 2025	Friday	23:17	11:12
11 January 2025	Saturday	23:17	11:13
12 January 2025	Sunday	23:18	11:13
13 January 2025	Monday	23:18	11:14
14 January 2025	Tuesday	23:18	11:14
15 January 2025	Wednesday	23:19	11:14
16 January 2025	Thursday	23:19	11:15
17 January 2025	Friday	23:19	11:15
18 January 2025	Saturday	23:20	11:16
19 January 2025	Sunday	23:20	11:16
20 January 2025	Monday	23:20	11:16
21 January 2025	Tuesday	23:20	11:17
22 January 2025	Wednesday	23:21	11:17
23 January 2025	Thursday	23:21	11:17
24 January 2025	Friday	23:21	11:18
25 January 2025	Saturday	23:21	11:18
26 January 2025	Sunday	23:21	11:18
27 January 2025	Monday	23:21	11:18
28 January 2025	Tuesday	23:21	11:19
29 January 2025	Wednesday	23:22	11:19
30 January 2025	Thursday	23:22	11:19
31 January 2025	Friday	23:22	11:19

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:22	11:20
02 February 2025	Sunday	23:22	11:20
03 February 2025	Monday	23:22	11:20
04 February 2025	Tuesday	23:22	11:20
05 February 2025	Wednesday	23:22	11:20
06 February 2025	Thursday	23:22	11:20
07 February 2025	Friday	23:22	11:21
08 February 2025	Saturday	23:22	11:21
09 February 2025	Sunday	23:22	11:21
10 February 2025	Monday	23:22	11:21
11 February 2025	Tuesday	23:22	11:21
12 February 2025	Wednesday	23:22	11:21
13 February 2025	Thursday	23:21	11:21
14 February 2025	Friday	23:21	11:21
15 February 2025	Saturday	23:21	11:21
16 February 2025	Sunday	23:21	11:21
17 February 2025	Monday	23:21	11:21
18 February 2025	Tuesday	23:21	11:21
19 February 2025	Wednesday	23:21	11:21
20 February 2025	Thursday	23:20	11:21
21 February 2025	Friday	23:20	11:21
22 February 2025	Saturday	23:20	11:21
23 February 2025	Sunday	23:20	11:21
24 February 2025	Monday	23:19	11:21
25 February 2025	Tuesday	23:19	11:21
26 February 2025	Wednesday	23:19	11:21
27 February 2025	Thursday	23:19	11:21
28 February 2025	Friday	23:18	11:21

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:18	11:21
02 March 2025	Sunday	23:18	11:21
03 March 2025	Monday	23:18	11:21
04 March 2025	Tuesday	23:17	11:20
05 March 2025	Wednesday	23:17	11:20
06 March 2025	Thursday	23:17	11:20
07 March 2025	Friday	23:16	11:20
08 March 2025	Saturday	23:16	11:20
09 March 2025	Sunday	23:16	11:20
10 March 2025	Monday	23:15	11:20
11 March 2025	Tuesday	23:15	11:19
12 March 2025	Wednesday	23:14	11:19
13 March 2025	Thursday	23:14	11:19
14 March 2025	Friday	23:14	11:19
15 March 2025	Saturday	23:13	11:19
16 March 2025	Sunday	23:13	11:19
17 March 2025	Monday	23:13	11:18
18 March 2025	Tuesday	23:12	11:18
19 March 2025	Wednesday	23:12	11:18
20 March 2025	Thursday	23:11	11:18
21 March 2025	Friday	23:11	11:18
22 March 2025	Saturday	23:11	11:17
23 March 2025	Sunday	23:10	11:17
24 March 2025	Monday	23:10	11:17
25 March 2025	Tuesday	23:09	11:17
26 March 2025	Wednesday	23:09	11:17
27 March 2025	Thursday	23:09	11:16
28 March 2025	Friday	23:08	11:16
29 March 2025	Saturday	23:08	11:16
30 March 2025	Sunday	23:07	11:16
31 March 2025	Monday	23:07	11:16

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:07	11:16
02 April 2025	Wednesday	23:06	11:15
03 April 2025	Thursday	23:06	11:15
04 April 2025	Friday	23:05	11:15
05 April 2025	Saturday	23:05	11:15
06 April 2025	Sunday	23:05	11:15
07 April 2025	Monday	23:04	11:14
08 April 2025	Tuesday	23:04	11:14
09 April 2025	Wednesday	23:03	11:14
10 April 2025	Thursday	23:03	11:14
11 April 2025	Friday	23:03	11:14
12 April 2025	Saturday	23:02	11:14
13 April 2025	Sunday	23:02	11:13
14 April 2025	Monday	23:02	11:13
15 April 2025	Tuesday	23:01	11:13
16 April 2025	Wednesday	23:01	11:13
17 April 2025	Thursday	23:01	11:13
18 April 2025	Friday	23:00	11:13
19 April 2025	Saturday	23:00	11:13
20 April 2025	Sunday	23:00	11:13
21 April 2025	Monday	22:59	11:12
22 April 2025	Tuesday	22:59	11:12
23 April 2025	Wednesday	22:59	11:12
24 April 2025	Thursday	22:58	11:12
25 April 2025	Friday	22:58	11:12
26 April 2025	Saturday	22:58	11:12
27 April 2025	Sunday	22:58	11:12
28 April 2025	Monday	22:57	11:12
29 April 2025	Tuesday	22:57	11:12
30 April 2025	Wednesday	22:57	11:12

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:57	11:12
02 May 2025	Friday	22:57	11:12
03 May 2025	Saturday	22:56	11:12
04 May 2025	Sunday	22:56	11:12
05 May 2025	Monday	22:56	11:12
06 May 2025	Tuesday	22:56	11:12
07 May 2025	Wednesday	22:56	11:12
08 May 2025	Thursday	22:56	11:12
09 May 2025	Friday	22:55	11:12
10 May 2025	Saturday	22:55	11:12
11 May 2025	Sunday	22:55	11:12
12 May 2025	Monday	22:55	11:12
13 May 2025	Tuesday	22:55	11:12
14 May 2025	Wednesday	22:55	11:12
15 May 2025	Thursday	22:55	11:12
16 May 2025	Friday	22:55	11:12
17 May 2025	Saturday	22:55	11:12
18 May 2025	Sunday	22:55	11:13
19 May 2025	Monday	22:55	11:13
20 May 2025	Tuesday	22:55	11:13
21 May 2025	Wednesday	22:55	11:13
22 May 2025	Thursday	22:55	11:13
23 May 2025	Friday	22:55	11:13
24 May 2025	Saturday	22:55	11:13
25 May 2025	Sunday	22:55	11:13
26 May 2025	Monday	22:55	11:14
27 May 2025	Tuesday	22:55	11:14
28 May 2025	Wednesday	22:55	11:14
29 May 2025	Thursday	22:55	11:14
30 May 2025	Friday	22:55	11:14
31 May 2025	Saturday	22:55	11:15

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:55	11:15
02 June 2025	Monday	22:55	11:15
03 June 2025	Tuesday	22:55	11:15
04 June 2025	Wednesday	22:56	11:15
05 June 2025	Thursday	22:56	11:16
06 June 2025	Friday	22:56	11:16
07 June 2025	Saturday	22:56	11:16
08 June 2025	Sunday	22:56	11:16
09 June 2025	Monday	22:56	11:16
10 June 2025	Tuesday	22:56	11:17
11 June 2025	Wednesday	22:57	11:17
12 June 2025	Thursday	22:57	11:17
13 June 2025	Friday	22:57	11:17
14 June 2025	Saturday	22:57	11:18
15 June 2025	Sunday	22:57	11:18
16 June 2025	Monday	22:58	11:18
17 June 2025	Tuesday	22:58	11:18
18 June 2025	Wednesday	22:58	11:19
19 June 2025	Thursday	22:58	11:19
20 June 2025	Friday	22:58	11:19
21 June 2025	Saturday	22:59	11:19
22 June 2025	Sunday	22:59	11:19
23 June 2025	Monday	22:59	11:20
24 June 2025	Tuesday	22:59	11:20
25 June 2025	Wednesday	23:00	11:20
26 June 2025	Thursday	23:00	11:20
27 June 2025	Friday	23:00	11:20
28 June 2025	Saturday	23:00	11:21
29 June 2025	Sunday	23:00	11:21
30 June 2025	Monday	23:01	11:21

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	23:01	11:21
02 July 2025	Wednesday	23:01	11:21
03 July 2025	Thursday	23:01	11:21
04 July 2025	Friday	23:02	11:22
05 July 2025	Saturday	23:02	11:22
06 July 2025	Sunday	23:02	11:22
07 July 2025	Monday	23:02	11:22
08 July 2025	Tuesday	23:02	11:22
09 July 2025	Wednesday	23:03	11:22
10 July 2025	Thursday	23:03	11:22
11 July 2025	Friday	23:03	11:22
12 July 2025	Saturday	23:03	11:23
13 July 2025	Sunday	23:03	11:23
14 July 2025	Monday	23:03	11:23
15 July 2025	Tuesday	23:04	11:23
16 July 2025	Wednesday	23:04	11:23
17 July 2025	Thursday	23:04	11:23
18 July 2025	Friday	23:04	11:23
19 July 2025	Saturday	23:04	11:23
20 July 2025	Sunday	23:04	11:23
21 July 2025	Monday	23:04	11:23
22 July 2025	Tuesday	23:04	11:23
23 July 2025	Wednesday	23:05	11:23
24 July 2025	Thursday	23:05	11:23
25 July 2025	Friday	23:05	11:23
26 July 2025	Saturday	23:05	11:23
27 July 2025	Sunday	23:05	11:22
28 July 2025	Monday	23:05	11:22
29 July 2025	Tuesday	23:05	11:22
30 July 2025	Wednesday	23:05	11:22
31 July 2025	Thursday	23:05	11:22

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:05	11:22
02 August 2025	Saturday	23:05	11:22
03 August 2025	Sunday	23:05	11:22
04 August 2025	Monday	23:05	11:21
05 August 2025	Tuesday	23:05	11:21
06 August 2025	Wednesday	23:05	11:21
07 August 2025	Thursday	23:05	11:21
08 August 2025	Friday	23:05	11:21
09 August 2025	Saturday	23:05	11:20
10 August 2025	Sunday	23:05	11:20
11 August 2025	Monday	23:05	11:20
12 August 2025	Tuesday	23:05	11:20
13 August 2025	Wednesday	23:05	11:19
14 August 2025	Thursday	23:05	11:19
15 August 2025	Friday	23:04	11:19
16 August 2025	Saturday	23:04	11:18
17 August 2025	Sunday	23:04	11:18
18 August 2025	Monday	23:04	11:18
19 August 2025	Tuesday	23:04	11:18
20 August 2025	Wednesday	23:04	11:17
21 August 2025	Thursday	23:04	11:17
22 August 2025	Friday	23:04	11:17
23 August 2025	Saturday	23:03	11:16
24 August 2025	Sunday	23:03	11:16
25 August 2025	Monday	23:03	11:15
26 August 2025	Tuesday	23:03	11:15
27 August 2025	Wednesday	23:03	11:15
28 August 2025	Thursday	23:03	11:14
29 August 2025	Friday	23:02	11:14
30 August 2025	Saturday	23:02	11:13
31 August 2025	Sunday	23:02	11:13

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:02	11:13
02 September 2025	Tuesday	23:01	11:12
03 September 2025	Wednesday	23:01	11:12
04 September 2025	Thursday	23:01	11:11
05 September 2025	Friday	23:01	11:11
06 September 2025	Saturday	23:01	11:10
07 September 2025	Sunday	23:00	11:10
08 September 2025	Monday	23:00	11:10
09 September 2025	Tuesday	23:00	11:09
10 September 2025	Wednesday	23:00	11:09
11 September 2025	Thursday	22:59	11:08
12 September 2025	Friday	22:59	11:08
13 September 2025	Saturday	22:59	11:07
14 September 2025	Sunday	22:59	11:07
15 September 2025	Monday	22:58	11:06
16 September 2025	Tuesday	22:58	11:06
17 September 2025	Wednesday	22:58	11:05
18 September 2025	Thursday	22:58	11:05
19 September 2025	Friday	22:57	11:05
20 September 2025	Saturday	22:57	11:04
21 September 2025	Sunday	22:57	11:04
22 September 2025	Monday	22:57	11:03
23 September 2025	Tuesday	22:56	11:03
24 September 2025	Wednesday	22:56	11:02
25 September 2025	Thursday	22:56	11:02
26 September 2025	Friday	22:56	11:01
27 September 2025	Saturday	22:55	11:01
28 September 2025	Sunday	22:55	11:00
29 September 2025	Monday	22:55	11:00
30 September 2025	Tuesday	22:55	11:00

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:54	10:59
02 October 2025	Thursday	22:54	10:59
03 October 2025	Friday	22:54	10:58
04 October 2025	Saturday	22:54	10:58
05 October 2025	Sunday	22:54	10:58
06 October 2025	Monday	22:53	10:57
07 October 2025	Tuesday	22:53	10:57
08 October 2025	Wednesday	22:53	10:56
09 October 2025	Thursday	22:53	10:56
10 October 2025	Friday	22:53	10:56
11 October 2025	Saturday	22:52	10:55
12 October 2025	Sunday	22:52	10:55
13 October 2025	Monday	22:52	10:55
14 October 2025	Tuesday	22:52	10:54
15 October 2025	Wednesday	22:52	10:54
16 October 2025	Thursday	22:52	10:54
17 October 2025	Friday	22:52	10:53
18 October 2025	Saturday	22:52	10:53
19 October 2025	Sunday	22:51	10:53
20 October 2025	Monday	22:51	10:52
21 October 2025	Tuesday	22:51	10:52
22 October 2025	Wednesday	22:51	10:52
23 October 2025	Thursday	22:51	10:52
24 October 2025	Friday	22:51	10:52
25 October 2025	Saturday	22:51	10:51
26 October 2025	Sunday	22:51	10:51
27 October 2025	Monday	22:51	10:51
28 October 2025	Tuesday	22:51	10:51
29 October 2025	Wednesday	22:51	10:51
30 October 2025	Thursday	22:51	10:50
31 October 2025	Friday	22:51	10:50

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:51	10:50
02 November 2025	Sunday	22:51	10:50
03 November 2025	Monday	22:51	10:50
04 November 2025	Tuesday	22:51	10:50
05 November 2025	Wednesday	22:52	10:50
06 November 2025	Thursday	22:52	10:50
07 November 2025	Friday	22:52	10:50
08 November 2025	Saturday	22:52	10:50
09 November 2025	Sunday	22:52	10:50
10 November 2025	Monday	22:52	10:50
11 November 2025	Tuesday	22:52	10:50
12 November 2025	Wednesday	22:53	10:50
13 November 2025	Thursday	22:53	10:50
14 November 2025	Friday	22:53	10:50
15 November 2025	Saturday	22:53	10:50
16 November 2025	Sunday	22:53	10:50
17 November 2025	Monday	22:54	10:50
18 November 2025	Tuesday	22:54	10:51
19 November 2025	Wednesday	22:54	10:51
20 November 2025	Thursday	22:55	10:51
21 November 2025	Friday	22:55	10:51
22 November 2025	Saturday	22:55	10:51
23 November 2025	Sunday	22:56	10:52
24 November 2025	Monday	22:56	10:52
25 November 2025	Tuesday	22:56	10:52
26 November 2025	Wednesday	22:57	10:52
27 November 2025	Thursday	22:57	10:53
28 November 2025	Friday	22:57	10:53
29 November 2025	Saturday	22:58	10:53
30 November 2025	Sunday	22:58	10:53

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:59	10:54
02 December 2025	Tuesday	22:59	10:54
03 December 2025	Wednesday	22:59	10:54
04 December 2025	Thursday	23:00	10:55
05 December 2025	Friday	23:00	10:55
06 December 2025	Saturday	23:01	10:56
07 December 2025	Sunday	23:01	10:56
08 December 2025	Monday	23:02	10:56
09 December 2025	Tuesday	23:02	10:57
10 December 2025	Wednesday	23:03	10:57
11 December 2025	Thursday	23:03	10:58
12 December 2025	Friday	23:04	10:58
13 December 2025	Saturday	23:04	10:59
14 December 2025	Sunday	23:05	10:59
15 December 2025	Monday	23:05	10:59
16 December 2025	Tuesday	23:05	11:00
17 December 2025	Wednesday	23:06	11:00
18 December 2025	Thursday	23:06	11:01
19 December 2025	Friday	23:07	11:01
20 December 2025	Saturday	23:07	11:02
21 December 2025	Sunday	23:08	11:02
22 December 2025	Monday	23:08	11:03
23 December 2025	Tuesday	23:09	11:03
24 December 2025	Wednesday	23:09	11:04
25 December 2025	Thursday	23:10	11:04
26 December 2025	Friday	23:10	11:05
27 December 2025	Saturday	23:11	11:05
28 December 2025	Sunday	23:11	11:06
29 December 2025	Monday	23:12	11:06
30 December 2025	Tuesday	23:12	11:07
31 December 2025	Wednesday	23:13	11:07

2.7.5 WMKE - KERTEH

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:14	11:06
02 January 2025	Thursday	23:14	11:06
03 January 2025	Friday	23:15	11:07
04 January 2025	Saturday	23:15	11:07
05 January 2025	Sunday	23:16	11:08
06 January 2025	Monday	23:16	11:08
07 January 2025	Tuesday	23:16	11:09
08 January 2025	Wednesday	23:17	11:09
09 January 2025	Thursday	23:17	11:10
10 January 2025	Friday	23:17	11:10
11 January 2025	Saturday	23:18	11:11
12 January 2025	Sunday	23:18	11:11
13 January 2025	Monday	23:18	11:11
14 January 2025	Tuesday	23:19	11:12
15 January 2025	Wednesday	23:19	11:12
16 January 2025	Thursday	23:19	11:13
17 January 2025	Friday	23:20	11:13
18 January 2025	Saturday	23:20	11:14
19 January 2025	Sunday	23:20	11:14
20 January 2025	Monday	23:20	11:14
21 January 2025	Tuesday	23:21	11:15
22 January 2025	Wednesday	23:21	11:15
23 January 2025	Thursday	23:21	11:15
24 January 2025	Friday	23:21	11:16
25 January 2025	Saturday	23:21	11:16
26 January 2025	Sunday	23:21	11:16
27 January 2025	Monday	23:22	11:17
28 January 2025	Tuesday	23:22	11:17
29 January 2025	Wednesday	23:22	11:17
30 January 2025	Thursday	23:22	11:17
31 January 2025	Friday	23:22	11:18

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:22	11:18
02 February 2025	Sunday	23:22	11:18
03 February 2025	Monday	23:22	11:18
04 February 2025	Tuesday	23:22	11:18
05 February 2025	Wednesday	23:22	11:19
06 February 2025	Thursday	23:22	11:19
07 February 2025	Friday	23:22	11:19
08 February 2025	Saturday	23:22	11:19
09 February 2025	Sunday	23:22	11:19
10 February 2025	Monday	23:22	11:19
11 February 2025	Tuesday	23:22	11:19
12 February 2025	Wednesday	23:21	11:20
13 February 2025	Thursday	23:21	11:20
14 February 2025	Friday	23:21	11:20
15 February 2025	Saturday	23:21	11:20
16 February 2025	Sunday	23:21	11:20
17 February 2025	Monday	23:21	11:20
18 February 2025	Tuesday	23:21	11:20
19 February 2025	Wednesday	23:20	11:20
20 February 2025	Thursday	23:20	11:20
21 February 2025	Friday	23:20	11:20
22 February 2025	Saturday	23:20	11:20
23 February 2025	Sunday	23:19	11:20
24 February 2025	Monday	23:19	11:20
25 February 2025	Tuesday	23:19	11:20
26 February 2025	Wednesday	23:19	11:20
27 February 2025	Thursday	23:18	11:20
28 February 2025	Friday	23:18	11:20

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:18	11:20
02 March 2025	Sunday	23:17	11:19
03 March 2025	Monday	23:17	11:19
04 March 2025	Tuesday	23:17	11:19
05 March 2025	Wednesday	23:16	11:19
06 March 2025	Thursday	23:16	11:19
07 March 2025	Friday	23:16	11:19
08 March 2025	Saturday	23:15	11:19
09 March 2025	Sunday	23:15	11:19
10 March 2025	Monday	23:15	11:19
11 March 2025	Tuesday	23:14	11:18
12 March 2025	Wednesday	23:14	11:18
13 March 2025	Thursday	23:13	11:18
14 March 2025	Friday	23:13	11:18
15 March 2025	Saturday	23:13	11:18
16 March 2025	Sunday	23:12	11:18
17 March 2025	Monday	23:12	11:18
18 March 2025	Tuesday	23:11	11:17
19 March 2025	Wednesday	23:11	11:17
20 March 2025	Thursday	23:11	11:17
21 March 2025	Friday	23:10	11:17
22 March 2025	Saturday	23:10	11:17
23 March 2025	Sunday	23:09	11:16
24 March 2025	Monday	23:09	11:16
25 March 2025	Tuesday	23:08	11:16
26 March 2025	Wednesday	23:08	11:16
27 March 2025	Thursday	23:08	11:16
28 March 2025	Friday	23:07	11:16
29 March 2025	Saturday	23:07	11:15
30 March 2025	Sunday	23:06	11:15
31 March 2025	Monday	23:06	11:15

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:05	11:15
02 April 2025	Wednesday	23:05	11:15
03 April 2025	Thursday	23:05	11:15
04 April 2025	Friday	23:04	11:14
05 April 2025	Saturday	23:04	11:14
06 April 2025	Sunday	23:03	11:14
07 April 2025	Monday	23:03	11:14
08 April 2025	Tuesday	23:03	11:14
09 April 2025	Wednesday	23:02	11:14
10 April 2025	Thursday	23:02	11:13
11 April 2025	Friday	23:01	11:13
12 April 2025	Saturday	23:01	11:13
13 April 2025	Sunday	23:01	11:13
14 April 2025	Monday	23:00	11:13
15 April 2025	Tuesday	23:00	11:13
16 April 2025	Wednesday	22:59	11:13
17 April 2025	Thursday	22:59	11:13
18 April 2025	Friday	22:59	11:12
19 April 2025	Saturday	22:58	11:12
20 April 2025	Sunday	22:58	11:12
21 April 2025	Monday	22:58	11:12
22 April 2025	Tuesday	22:57	11:12
23 April 2025	Wednesday	22:57	11:12
24 April 2025	Thursday	22:57	11:12
25 April 2025	Friday	22:57	11:12
26 April 2025	Saturday	22:56	11:12
27 April 2025	Sunday	22:56	11:12
28 April 2025	Monday	22:56	11:12
29 April 2025	Tuesday	22:56	11:12
30 April 2025	Wednesday	22:55	11:12

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:55	11:12
02 May 2025	Friday	22:55	11:12
03 May 2025	Saturday	22:55	11:12
04 May 2025	Sunday	22:54	11:12
05 May 2025	Monday	22:54	11:12
06 May 2025	Tuesday	22:54	11:12
07 May 2025	Wednesday	22:54	11:12
08 May 2025	Thursday	22:54	11:12
09 May 2025	Friday	22:54	11:12
10 May 2025	Saturday	22:53	11:12
11 May 2025	Sunday	22:53	11:12
12 May 2025	Monday	22:53	11:12
13 May 2025	Tuesday	22:53	11:12
14 May 2025	Wednesday	22:53	11:12
15 May 2025	Thursday	22:53	11:12
16 May 2025	Friday	22:53	11:13
17 May 2025	Saturday	22:53	11:13
18 May 2025	Sunday	22:53	11:13
19 May 2025	Monday	22:53	11:13
20 May 2025	Tuesday	22:53	11:13
21 May 2025	Wednesday	22:53	11:13
22 May 2025	Thursday	22:53	11:13
23 May 2025	Friday	22:53	11:13
24 May 2025	Saturday	22:53	11:14
25 May 2025	Sunday	22:53	11:14
26 May 2025	Monday	22:53	11:14
27 May 2025	Tuesday	22:53	11:14
28 May 2025	Wednesday	22:53	11:14
29 May 2025	Thursday	22:53	11:15
30 May 2025	Friday	22:53	11:15
31 May 2025	Saturday	22:53	11:15

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:53	11:15
02 June 2025	Monday	22:53	11:15
03 June 2025	Tuesday	22:53	11:16
04 June 2025	Wednesday	22:53	11:16
05 June 2025	Thursday	22:54	11:16
06 June 2025	Friday	22:54	11:16
07 June 2025	Saturday	22:54	11:16
08 June 2025	Sunday	22:54	11:17
09 June 2025	Monday	22:54	11:17
10 June 2025	Tuesday	22:54	11:17
11 June 2025	Wednesday	22:55	11:17
12 June 2025	Thursday	22:55	11:18
13 June 2025	Friday	22:55	11:18
14 June 2025	Saturday	22:55	11:18
15 June 2025	Sunday	22:55	11:18
16 June 2025	Monday	22:55	11:19
17 June 2025	Tuesday	22:56	11:19
18 June 2025	Wednesday	22:56	11:19
19 June 2025	Thursday	22:56	11:19
20 June 2025	Friday	22:56	11:19
21 June 2025	Saturday	22:57	11:20
22 June 2025	Sunday	22:57	11:20
23 June 2025	Monday	22:57	11:20
24 June 2025	Tuesday	22:57	11:20
25 June 2025	Wednesday	22:57	11:21
26 June 2025	Thursday	22:58	11:21
27 June 2025	Friday	22:58	11:21
28 June 2025	Saturday	22:58	11:21
29 June 2025	Sunday	22:58	11:21
30 June 2025	Monday	22:59	11:21

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:59	11:22
02 July 2025	Wednesday	22:59	11:22
03 July 2025	Thursday	22:59	11:22
04 July 2025	Friday	22:59	11:22
05 July 2025	Saturday	23:00	11:22
06 July 2025	Sunday	23:00	11:22
07 July 2025	Monday	23:00	11:22
08 July 2025	Tuesday	23:00	11:23
09 July 2025	Wednesday	23:00	11:23
10 July 2025	Thursday	23:01	11:23
11 July 2025	Friday	23:01	11:23
12 July 2025	Saturday	23:01	11:23
13 July 2025	Sunday	23:01	11:23
14 July 2025	Monday	23:01	11:23
15 July 2025	Tuesday	23:02	11:23
16 July 2025	Wednesday	23:02	11:23
17 July 2025	Thursday	23:02	11:23
18 July 2025	Friday	23:02	11:23
19 July 2025	Saturday	23:02	11:23
20 July 2025	Sunday	23:02	11:23
21 July 2025	Monday	23:02	11:23
22 July 2025	Tuesday	23:02	11:23
23 July 2025	Wednesday	23:03	11:23
24 July 2025	Thursday	23:03	11:23
25 July 2025	Friday	23:03	11:23
26 July 2025	Saturday	23:03	11:23
27 July 2025	Sunday	23:03	11:23
28 July 2025	Monday	23:03	11:23
29 July 2025	Tuesday	23:03	11:22
30 July 2025	Wednesday	23:03	11:22
31 July 2025	Thursday	23:03	11:22

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:03	11:22
02 August 2025	Saturday	23:03	11:22
03 August 2025	Sunday	23:03	11:22
04 August 2025	Monday	23:03	11:21
05 August 2025	Tuesday	23:03	11:21
06 August 2025	Wednesday	23:03	11:21
07 August 2025	Thursday	23:03	11:21
08 August 2025	Friday	23:03	11:21
09 August 2025	Saturday	23:03	11:20
10 August 2025	Sunday	23:03	11:20
11 August 2025	Monday	23:03	11:20
12 August 2025	Tuesday	23:03	11:20
13 August 2025	Wednesday	23:03	11:19
14 August 2025	Thursday	23:03	11:19
15 August 2025	Friday	23:03	11:19
16 August 2025	Saturday	23:03	11:18
17 August 2025	Sunday	23:03	11:18
18 August 2025	Monday	23:03	11:18
19 August 2025	Tuesday	23:02	11:17
20 August 2025	Wednesday	23:02	11:17
21 August 2025	Thursday	23:02	11:17
22 August 2025	Friday	23:02	11:16
23 August 2025	Saturday	23:02	11:16
24 August 2025	Sunday	23:02	11:16
25 August 2025	Monday	23:02	11:15
26 August 2025	Tuesday	23:01	11:15
27 August 2025	Wednesday	23:01	11:14
28 August 2025	Thursday	23:01	11:14
29 August 2025	Friday	23:01	11:13
30 August 2025	Saturday	23:01	11:13
31 August 2025	Sunday	23:01	11:13

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:00	11:12
02 September 2025	Tuesday	23:00	11:12
03 September 2025	Wednesday	23:00	11:11
04 September 2025	Thursday	23:00	11:11
05 September 2025	Friday	23:00	11:10
06 September 2025	Saturday	22:59	11:10
07 September 2025	Sunday	22:59	11:09
08 September 2025	Monday	22:59	11:09
09 September 2025	Tuesday	22:59	11:09
10 September 2025	Wednesday	22:58	11:08
11 September 2025	Thursday	22:58	11:08
12 September 2025	Friday	22:58	11:07
13 September 2025	Saturday	22:58	11:07
14 September 2025	Sunday	22:58	11:06
15 September 2025	Monday	22:57	11:06
16 September 2025	Tuesday	22:57	11:05
17 September 2025	Wednesday	22:57	11:05
18 September 2025	Thursday	22:57	11:04
19 September 2025	Friday	22:56	11:04
20 September 2025	Saturday	22:56	11:03
21 September 2025	Sunday	22:56	11:03
22 September 2025	Monday	22:56	11:02
23 September 2025	Tuesday	22:55	11:02
24 September 2025	Wednesday	22:55	11:01
25 September 2025	Thursday	22:55	11:01
26 September 2025	Friday	22:55	11:00
27 September 2025	Saturday	22:55	11:00
28 September 2025	Sunday	22:54	11:00
29 September 2025	Monday	22:54	10:59
30 September 2025	Tuesday	22:54	10:59

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:54	10:58
02 October 2025	Thursday	22:54	10:58
03 October 2025	Friday	22:53	10:57
04 October 2025	Saturday	22:53	10:57
05 October 2025	Sunday	22:53	10:56
06 October 2025	Monday	22:53	10:56
07 October 2025	Tuesday	22:53	10:56
08 October 2025	Wednesday	22:52	10:55
09 October 2025	Thursday	22:52	10:55
10 October 2025	Friday	22:52	10:54
11 October 2025	Saturday	22:52	10:54
12 October 2025	Sunday	22:52	10:54
13 October 2025	Monday	22:52	10:53
14 October 2025	Tuesday	22:52	10:53
15 October 2025	Wednesday	22:51	10:53
16 October 2025	Thursday	22:51	10:52
17 October 2025	Friday	22:51	10:52
18 October 2025	Saturday	22:51	10:52
19 October 2025	Sunday	22:51	10:51
20 October 2025	Monday	22:51	10:51
21 October 2025	Tuesday	22:51	10:51
22 October 2025	Wednesday	22:51	10:51
23 October 2025	Thursday	22:51	10:50
24 October 2025	Friday	22:51	10:50
25 October 2025	Saturday	22:51	10:50
26 October 2025	Sunday	22:51	10:50
27 October 2025	Monday	22:51	10:49
28 October 2025	Tuesday	22:51	10:49
29 October 2025	Wednesday	22:51	10:49
30 October 2025	Thursday	22:51	10:49
31 October 2025	Friday	22:51	10:49

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:51	10:49
02 November 2025	Sunday	22:51	10:48
03 November 2025	Monday	22:51	10:48
04 November 2025	Tuesday	22:51	10:48
05 November 2025	Wednesday	22:52	10:48
06 November 2025	Thursday	22:52	10:48
07 November 2025	Friday	22:52	10:48
08 November 2025	Saturday	22:52	10:48
09 November 2025	Sunday	22:52	10:48
10 November 2025	Monday	22:52	10:48
11 November 2025	Tuesday	22:52	10:48
12 November 2025	Wednesday	22:53	10:48
13 November 2025	Thursday	22:53	10:48
14 November 2025	Friday	22:53	10:48
15 November 2025	Saturday	22:53	10:48
16 November 2025	Sunday	22:54	10:48
17 November 2025	Monday	22:54	10:49
18 November 2025	Tuesday	22:54	10:49
19 November 2025	Wednesday	22:54	10:49
20 November 2025	Thursday	22:55	10:49
21 November 2025	Friday	22:55	10:49
22 November 2025	Saturday	22:55	10:49
23 November 2025	Sunday	22:56	10:50
24 November 2025	Monday	22:56	10:50
25 November 2025	Tuesday	22:57	10:50
26 November 2025	Wednesday	22:57	10:50
27 November 2025	Thursday	22:57	10:50
28 November 2025	Friday	22:58	10:51
29 November 2025	Saturday	22:58	10:51
30 November 2025	Sunday	22:58	10:51

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:59	10:52
02 December 2025	Tuesday	22:59	10:52
03 December 2025	Wednesday	23:00	10:52
04 December 2025	Thursday	23:00	10:53
05 December 2025	Friday	23:01	10:53
06 December 2025	Saturday	23:01	10:53
07 December 2025	Sunday	23:02	10:54
08 December 2025	Monday	23:02	10:54
09 December 2025	Tuesday	23:03	10:55
10 December 2025	Wednesday	23:03	10:55
11 December 2025	Thursday	23:03	10:55
12 December 2025	Friday	23:04	10:56
13 December 2025	Saturday	23:04	10:56
14 December 2025	Sunday	23:05	10:57
15 December 2025	Monday	23:05	10:57
16 December 2025	Tuesday	23:06	10:58
17 December 2025	Wednesday	23:06	10:58
18 December 2025	Thursday	23:07	10:59
19 December 2025	Friday	23:07	10:59
20 December 2025	Saturday	23:08	11:00
21 December 2025	Sunday	23:08	11:00
22 December 2025	Monday	23:09	11:01
23 December 2025	Tuesday	23:09	11:01
24 December 2025	Wednesday	23:10	11:02
25 December 2025	Thursday	23:10	11:02
26 December 2025	Friday	23:11	11:03
27 December 2025	Saturday	23:11	11:03
28 December 2025	Sunday	23:12	11:04
29 December 2025	Monday	23:12	11:04
30 December 2025	Tuesday	23:13	11:05
31 December 2025	Wednesday	23:13	11:05

2.7.6 WMKI - IPOH/IPOH SULTAN AZLAN SHAH

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:23	11:15
02 January 2025	Thursday	23:24	11:16
03 January 2025	Friday	23:24	11:16
04 January 2025	Saturday	23:24	11:17
05 January 2025	Sunday	23:25	11:17
06 January 2025	Monday	23:25	11:18
07 January 2025	Tuesday	23:26	11:18
08 January 2025	Wednesday	23:26	11:19
09 January 2025	Thursday	23:26	11:19
10 January 2025	Friday	23:27	11:19
11 January 2025	Saturday	23:27	11:20
12 January 2025	Sunday	23:27	11:20
13 January 2025	Monday	23:28	11:21
14 January 2025	Tuesday	23:28	11:21
15 January 2025	Wednesday	23:28	11:22
16 January 2025	Thursday	23:29	11:22
17 January 2025	Friday	23:29	11:22
18 January 2025	Saturday	23:29	11:23
19 January 2025	Sunday	23:29	11:23
20 January 2025	Monday	23:30	11:24
21 January 2025	Tuesday	23:30	11:24
22 January 2025	Wednesday	23:30	11:24
23 January 2025	Thursday	23:30	11:25
24 January 2025	Friday	23:30	11:25
25 January 2025	Saturday	23:31	11:25
26 January 2025	Sunday	23:31	11:26
27 January 2025	Monday	23:31	11:26
28 January 2025	Tuesday	23:31	11:26
29 January 2025	Wednesday	23:31	11:26
30 January 2025	Thursday	23:31	11:27
31 January 2025	Friday	23:31	11:27

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:31	11:27
02 February 2025	Sunday	23:31	11:27
03 February 2025	Monday	23:31	11:28
04 February 2025	Tuesday	23:31	11:28
05 February 2025	Wednesday	23:31	11:28
06 February 2025	Thursday	23:31	11:28
07 February 2025	Friday	23:31	11:28
08 February 2025	Saturday	23:31	11:28
09 February 2025	Sunday	23:31	11:28
10 February 2025	Monday	23:31	11:29
11 February 2025	Tuesday	23:31	11:29
12 February 2025	Wednesday	23:31	11:29
13 February 2025	Thursday	23:31	11:29
14 February 2025	Friday	23:31	11:29
15 February 2025	Saturday	23:30	11:29
16 February 2025	Sunday	23:30	11:29
17 February 2025	Monday	23:30	11:29
18 February 2025	Tuesday	23:30	11:29
19 February 2025	Wednesday	23:30	11:29
20 February 2025	Thursday	23:29	11:29
21 February 2025	Friday	23:29	11:29
22 February 2025	Saturday	23:29	11:29
23 February 2025	Sunday	23:29	11:29
24 February 2025	Monday	23:28	11:29
25 February 2025	Tuesday	23:28	11:29
26 February 2025	Wednesday	23:28	11:29
27 February 2025	Thursday	23:28	11:29
28 February 2025	Friday	23:27	11:29

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:27	11:29
02 March 2025	Sunday	23:27	11:29
03 March 2025	Monday	23:26	11:29
04 March 2025	Tuesday	23:26	11:29
05 March 2025	Wednesday	23:26	11:28
06 March 2025	Thursday	23:25	11:28
07 March 2025	Friday	23:25	11:28
08 March 2025	Saturday	23:25	11:28
09 March 2025	Sunday	23:24	11:28
10 March 2025	Monday	23:24	11:28
11 March 2025	Tuesday	23:24	11:28
12 March 2025	Wednesday	23:23	11:28
13 March 2025	Thursday	23:23	11:27
14 March 2025	Friday	23:22	11:27
15 March 2025	Saturday	23:22	11:27
16 March 2025	Sunday	23:22	11:27
17 March 2025	Monday	23:21	11:27
18 March 2025	Tuesday	23:21	11:27
19 March 2025	Wednesday	23:20	11:26
20 March 2025	Thursday	23:20	11:26
21 March 2025	Friday	23:19	11:26
22 March 2025	Saturday	23:19	11:26
23 March 2025	Sunday	23:19	11:26
24 March 2025	Monday	23:18	11:26
25 March 2025	Tuesday	23:18	11:25
26 March 2025	Wednesday	23:17	11:25
27 March 2025	Thursday	23:17	11:25
28 March 2025	Friday	23:16	11:25
29 March 2025	Saturday	23:16	11:25
30 March 2025	Sunday	23:16	11:25
31 March 2025	Monday	23:15	11:24

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:15	11:24
02 April 2025	Wednesday	23:14	11:24
03 April 2025	Thursday	23:14	11:24
04 April 2025	Friday	23:13	11:24
05 April 2025	Saturday	23:13	11:24
06 April 2025	Sunday	23:13	11:23
07 April 2025	Monday	23:12	11:23
08 April 2025	Tuesday	23:12	11:23
09 April 2025	Wednesday	23:11	11:23
10 April 2025	Thursday	23:11	11:23
11 April 2025	Friday	23:11	11:23
12 April 2025	Saturday	23:10	11:23
13 April 2025	Sunday	23:10	11:22
14 April 2025	Monday	23:10	11:22
15 April 2025	Tuesday	23:09	11:22
16 April 2025	Wednesday	23:09	11:22
17 April 2025	Thursday	23:08	11:22
18 April 2025	Friday	23:08	11:22
19 April 2025	Saturday	23:08	11:22
20 April 2025	Sunday	23:07	11:22
21 April 2025	Monday	23:07	11:22
22 April 2025	Tuesday	23:07	11:21
23 April 2025	Wednesday	23:06	11:21
24 April 2025	Thursday	23:06	11:21
25 April 2025	Friday	23:06	11:21
26 April 2025	Saturday	23:06	11:21
27 April 2025	Sunday	23:05	11:21
28 April 2025	Monday	23:05	11:21
29 April 2025	Tuesday	23:05	11:21
30 April 2025	Wednesday	23:05	11:21

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	23:04	11:21
02 May 2025	Friday	23:04	11:21
03 May 2025	Saturday	23:04	11:21
04 May 2025	Sunday	23:04	11:21
05 May 2025	Monday	23:04	11:21
06 May 2025	Tuesday	23:03	11:21
07 May 2025	Wednesday	23:03	11:21
08 May 2025	Thursday	23:03	11:21
09 May 2025	Friday	23:03	11:21
10 May 2025	Saturday	23:03	11:21
11 May 2025	Sunday	23:03	11:21
12 May 2025	Monday	23:02	11:22
13 May 2025	Tuesday	23:02	11:22
14 May 2025	Wednesday	23:02	11:22
15 May 2025	Thursday	23:02	11:22
16 May 2025	Friday	23:02	11:22
17 May 2025	Saturday	23:02	11:22
18 May 2025	Sunday	23:02	11:22
19 May 2025	Monday	23:02	11:22
20 May 2025	Tuesday	23:02	11:22
21 May 2025	Wednesday	23:02	11:23
22 May 2025	Thursday	23:02	11:23
23 May 2025	Friday	23:02	11:23
24 May 2025	Saturday	23:02	11:23
25 May 2025	Sunday	23:02	11:23
26 May 2025	Monday	23:02	11:23
27 May 2025	Tuesday	23:02	11:24
28 May 2025	Wednesday	23:02	11:24
29 May 2025	Thursday	23:02	11:24
30 May 2025	Friday	23:02	11:24
31 May 2025	Saturday	23:02	11:24

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	23:02	11:25
02 June 2025	Monday	23:02	11:25
03 June 2025	Tuesday	23:03	11:25
04 June 2025	Wednesday	23:03	11:25
05 June 2025	Thursday	23:03	11:25
06 June 2025	Friday	23:03	11:26
07 June 2025	Saturday	23:03	11:26
08 June 2025	Sunday	23:03	11:26
09 June 2025	Monday	23:03	11:26
10 June 2025	Tuesday	23:04	11:27
11 June 2025	Wednesday	23:04	11:27
12 June 2025	Thursday	23:04	11:27
13 June 2025	Friday	23:04	11:27
14 June 2025	Saturday	23:04	11:27
15 June 2025	Sunday	23:05	11:28
16 June 2025	Monday	23:05	11:28
17 June 2025	Tuesday	23:05	11:28
18 June 2025	Wednesday	23:05	11:28
19 June 2025	Thursday	23:05	11:29
20 June 2025	Friday	23:06	11:29
21 June 2025	Saturday	23:06	11:29
22 June 2025	Sunday	23:06	11:29
23 June 2025	Monday	23:06	11:29
24 June 2025	Tuesday	23:06	11:30
25 June 2025	Wednesday	23:07	11:30
26 June 2025	Thursday	23:07	11:30
27 June 2025	Friday	23:07	11:30
28 June 2025	Saturday	23:07	11:30
29 June 2025	Sunday	23:08	11:31
30 June 2025	Monday	23:08	11:31

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	23:08	11:31
02 July 2025	Wednesday	23:08	11:31
03 July 2025	Thursday	23:08	11:31
04 July 2025	Friday	23:09	11:31
05 July 2025	Saturday	23:09	11:32
06 July 2025	Sunday	23:09	11:32
07 July 2025	Monday	23:09	11:32
08 July 2025	Tuesday	23:10	11:32
09 July 2025	Wednesday	23:10	11:32
10 July 2025	Thursday	23:10	11:32
11 July 2025	Friday	23:10	11:32
12 July 2025	Saturday	23:10	11:32
13 July 2025	Sunday	23:10	11:32
14 July 2025	Monday	23:11	11:32
15 July 2025	Tuesday	23:11	11:32
16 July 2025	Wednesday	23:11	11:32
17 July 2025	Thursday	23:11	11:32
18 July 2025	Friday	23:11	11:32
19 July 2025	Saturday	23:11	11:32
20 July 2025	Sunday	23:12	11:32
21 July 2025	Monday	23:12	11:32
22 July 2025	Tuesday	23:12	11:32
23 July 2025	Wednesday	23:12	11:32
24 July 2025	Thursday	23:12	11:32
25 July 2025	Friday	23:12	11:32
26 July 2025	Saturday	23:12	11:32
27 July 2025	Sunday	23:12	11:32
28 July 2025	Monday	23:12	11:32
29 July 2025	Tuesday	23:12	11:32
30 July 2025	Wednesday	23:12	11:32
31 July 2025	Thursday	23:12	11:32

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:13	11:31
02 August 2025	Saturday	23:13	11:31
03 August 2025	Sunday	23:13	11:31
04 August 2025	Monday	23:13	11:31
05 August 2025	Tuesday	23:13	11:31
06 August 2025	Wednesday	23:13	11:30
07 August 2025	Thursday	23:13	11:30
08 August 2025	Friday	23:13	11:30
09 August 2025	Saturday	23:13	11:30
10 August 2025	Sunday	23:12	11:29
11 August 2025	Monday	23:12	11:29
12 August 2025	Tuesday	23:12	11:29
13 August 2025	Wednesday	23:12	11:29
14 August 2025	Thursday	23:12	11:28
15 August 2025	Friday	23:12	11:28
16 August 2025	Saturday	23:12	11:28
17 August 2025	Sunday	23:12	11:27
18 August 2025	Monday	23:12	11:27
19 August 2025	Tuesday	23:12	11:27
20 August 2025	Wednesday	23:12	11:26
21 August 2025	Thursday	23:12	11:26
22 August 2025	Friday	23:11	11:26
23 August 2025	Saturday	23:11	11:25
24 August 2025	Sunday	23:11	11:25
25 August 2025	Monday	23:11	11:24
26 August 2025	Tuesday	23:11	11:24
27 August 2025	Wednesday	23:11	11:24
28 August 2025	Thursday	23:10	11:23
29 August 2025	Friday	23:10	11:23
30 August 2025	Saturday	23:10	11:22
31 August 2025	Sunday	23:10	11:22

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:10	11:22
02 September 2025	Tuesday	23:09	11:21
03 September 2025	Wednesday	23:09	11:21
04 September 2025	Thursday	23:09	11:20
05 September 2025	Friday	23:09	11:20
06 September 2025	Saturday	23:09	11:19
07 September 2025	Sunday	23:08	11:19
08 September 2025	Monday	23:08	11:18
09 September 2025	Tuesday	23:08	11:18
10 September 2025	Wednesday	23:08	11:17
11 September 2025	Thursday	23:08	11:17
12 September 2025	Friday	23:07	11:16
13 September 2025	Saturday	23:07	11:16
14 September 2025	Sunday	23:07	11:15
15 September 2025	Monday	23:07	11:15
16 September 2025	Tuesday	23:06	11:15
17 September 2025	Wednesday	23:06	11:14
18 September 2025	Thursday	23:06	11:14
19 September 2025	Friday	23:06	11:13
20 September 2025	Saturday	23:05	11:13
21 September 2025	Sunday	23:05	11:12
22 September 2025	Monday	23:05	11:12
23 September 2025	Tuesday	23:05	11:11
24 September 2025	Wednesday	23:05	11:11
25 September 2025	Thursday	23:04	11:10
26 September 2025	Friday	23:04	11:10
27 September 2025	Saturday	23:04	11:09
28 September 2025	Sunday	23:04	11:09
29 September 2025	Monday	23:03	11:08
30 September 2025	Tuesday	23:03	11:08

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	23:03	11:07
02 October 2025	Thursday	23:03	11:07
03 October 2025	Friday	23:03	11:07
04 October 2025	Saturday	23:02	11:06
05 October 2025	Sunday	23:02	11:06
06 October 2025	Monday	23:02	11:05
07 October 2025	Tuesday	23:02	11:05
08 October 2025	Wednesday	23:02	11:05
09 October 2025	Thursday	23:02	11:04
10 October 2025	Friday	23:01	11:04
11 October 2025	Saturday	23:01	11:03
12 October 2025	Sunday	23:01	11:03
13 October 2025	Monday	23:01	11:03
14 October 2025	Tuesday	23:01	11:02
15 October 2025	Wednesday	23:01	11:02
16 October 2025	Thursday	23:01	11:02
17 October 2025	Friday	23:01	11:01
18 October 2025	Saturday	23:01	11:01
19 October 2025	Sunday	23:00	11:01
20 October 2025	Monday	23:00	11:00
21 October 2025	Tuesday	23:00	11:00
22 October 2025	Wednesday	23:00	11:00
23 October 2025	Thursday	23:00	11:00
24 October 2025	Friday	23:00	10:59
25 October 2025	Saturday	23:00	10:59
26 October 2025	Sunday	23:00	10:59
27 October 2025	Monday	23:00	10:59
28 October 2025	Tuesday	23:00	10:58
29 October 2025	Wednesday	23:00	10:58
30 October 2025	Thursday	23:00	10:58
31 October 2025	Friday	23:00	10:58

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	23:00	10:58
02 November 2025	Sunday	23:01	10:58
03 November 2025	Monday	23:01	10:58
04 November 2025	Tuesday	23:01	10:58
05 November 2025	Wednesday	23:01	10:57
06 November 2025	Thursday	23:01	10:57
07 November 2025	Friday	23:01	10:57
08 November 2025	Saturday	23:01	10:57
09 November 2025	Sunday	23:01	10:57
10 November 2025	Monday	23:02	10:57
11 November 2025	Tuesday	23:02	10:57
12 November 2025	Wednesday	23:02	10:57
13 November 2025	Thursday	23:02	10:57
14 November 2025	Friday	23:03	10:57
15 November 2025	Saturday	23:03	10:58
16 November 2025	Sunday	23:03	10:58
17 November 2025	Monday	23:03	10:58
18 November 2025	Tuesday	23:04	10:58
19 November 2025	Wednesday	23:04	10:58
20 November 2025	Thursday	23:04	10:58
21 November 2025	Friday	23:04	10:58
22 November 2025	Saturday	23:05	10:59
23 November 2025	Sunday	23:05	10:59
24 November 2025	Monday	23:06	10:59
25 November 2025	Tuesday	23:06	10:59
26 November 2025	Wednesday	23:06	10:59
27 November 2025	Thursday	23:07	11:00
28 November 2025	Friday	23:07	11:00
29 November 2025	Saturday	23:07	11:00
30 November 2025	Sunday	23:08	11:01

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	23:08	11:01
02 December 2025	Tuesday	23:09	11:01
03 December 2025	Wednesday	23:09	11:02
04 December 2025	Thursday	23:10	11:02
05 December 2025	Friday	23:10	11:02
06 December 2025	Saturday	23:10	11:03
07 December 2025	Sunday	23:11	11:03
08 December 2025	Monday	23:11	11:04
09 December 2025	Tuesday	23:12	11:04
10 December 2025	Wednesday	23:12	11:04
11 December 2025	Thursday	23:13	11:05
12 December 2025	Friday	23:13	11:05
13 December 2025	Saturday	23:14	11:06
14 December 2025	Sunday	23:14	11:06
15 December 2025	Monday	23:15	11:07
16 December 2025	Tuesday	23:15	11:07
17 December 2025	Wednesday	23:16	11:08
18 December 2025	Thursday	23:16	11:08
19 December 2025	Friday	23:17	11:08
20 December 2025	Saturday	23:17	11:09
21 December 2025	Sunday	23:18	11:09
22 December 2025	Monday	23:18	11:10
23 December 2025	Tuesday	23:19	11:10
24 December 2025	Wednesday	23:19	11:11
25 December 2025	Thursday	23:20	11:11
26 December 2025	Friday	23:20	11:12
27 December 2025	Saturday	23:21	11:12
28 December 2025	Sunday	23:21	11:13
29 December 2025	Monday	23:22	11:14
30 December 2025	Tuesday	23:22	11:14
31 December 2025	Wednesday	23:23	11:15

2.7.7 WMKJ - JOHOR BAHRU/SENAI INTERNATIONAL

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:08	11:10
02 January 2025	Thursday	23:08	11:10
03 January 2025	Friday	23:09	11:11
04 January 2025	Saturday	23:09	11:11
05 January 2025	Sunday	23:10	11:12
06 January 2025	Monday	23:10	11:12
07 January 2025	Tuesday	23:11	11:13
08 January 2025	Wednesday	23:11	11:13
09 January 2025	Thursday	23:11	11:13
10 January 2025	Friday	23:12	11:14
11 January 2025	Saturday	23:12	11:14
12 January 2025	Sunday	23:13	11:15
13 January 2025	Monday	23:13	11:15
14 January 2025	Tuesday	23:13	11:15
15 January 2025	Wednesday	23:14	11:16
16 January 2025	Thursday	23:14	11:16
17 January 2025	Friday	23:14	11:17
18 January 2025	Saturday	23:15	11:17
19 January 2025	Sunday	23:15	11:17
20 January 2025	Monday	23:15	11:18
21 January 2025	Tuesday	23:15	11:18
22 January 2025	Wednesday	23:16	11:18
23 January 2025	Thursday	23:16	11:18
24 January 2025	Friday	23:16	11:19
25 January 2025	Saturday	23:16	11:19
26 January 2025	Sunday	23:16	11:19
27 January 2025	Monday	23:17	11:19
28 January 2025	Tuesday	23:17	11:20
29 January 2025	Wednesday	23:17	11:20
30 January 2025	Thursday	23:17	11:20
31 January 2025	Friday	23:17	11:20

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:17	11:20
02 February 2025	Sunday	23:17	11:21
03 February 2025	Monday	23:18	11:21
04 February 2025	Tuesday	23:18	11:21
05 February 2025	Wednesday	23:18	11:21
06 February 2025	Thursday	23:18	11:21
07 February 2025	Friday	23:18	11:21
08 February 2025	Saturday	23:18	11:21
09 February 2025	Sunday	23:18	11:21
10 February 2025	Monday	23:18	11:21
11 February 2025	Tuesday	23:18	11:21
12 February 2025	Wednesday	23:18	11:21
13 February 2025	Thursday	23:18	11:21
14 February 2025	Friday	23:18	11:21
15 February 2025	Saturday	23:17	11:21
16 February 2025	Sunday	23:17	11:21
17 February 2025	Monday	23:17	11:21
18 February 2025	Tuesday	23:17	11:21
19 February 2025	Wednesday	23:17	11:21
20 February 2025	Thursday	23:17	11:21
21 February 2025	Friday	23:17	11:21
22 February 2025	Saturday	23:17	11:21
23 February 2025	Sunday	23:16	11:21
24 February 2025	Monday	23:16	11:21
25 February 2025	Tuesday	23:16	11:21
26 February 2025	Wednesday	23:16	11:21
27 February 2025	Thursday	23:16	11:20
28 February 2025	Friday	23:15	11:20

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:15	11:20
02 March 2025	Sunday	23:15	11:20
03 March 2025	Monday	23:15	11:20
04 March 2025	Tuesday	23:14	11:20
05 March 2025	Wednesday	23:14	11:19
06 March 2025	Thursday	23:14	11:19
07 March 2025	Friday	23:14	11:19
08 March 2025	Saturday	23:13	11:19
09 March 2025	Sunday	23:13	11:19
10 March 2025	Monday	23:13	11:18
11 March 2025	Tuesday	23:12	11:18
12 March 2025	Wednesday	23:12	11:18
13 March 2025	Thursday	23:12	11:18
14 March 2025	Friday	23:12	11:17
15 March 2025	Saturday	23:11	11:17
16 March 2025	Sunday	23:11	11:17
17 March 2025	Monday	23:11	11:17
18 March 2025	Tuesday	23:10	11:17
19 March 2025	Wednesday	23:10	11:16
20 March 2025	Thursday	23:10	11:16
21 March 2025	Friday	23:09	11:16
22 March 2025	Saturday	23:09	11:16
23 March 2025	Sunday	23:09	11:15
24 March 2025	Monday	23:08	11:15
25 March 2025	Tuesday	23:08	11:15
26 March 2025	Wednesday	23:07	11:15
27 March 2025	Thursday	23:07	11:14
28 March 2025	Friday	23:07	11:14
29 March 2025	Saturday	23:06	11:14
30 March 2025	Sunday	23:06	11:13
31 March 2025	Monday	23:06	11:13

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:05	11:13
02 April 2025	Wednesday	23:05	11:13
03 April 2025	Thursday	23:05	11:12
04 April 2025	Friday	23:04	11:12
05 April 2025	Saturday	23:04	11:12
06 April 2025	Sunday	23:04	11:12
07 April 2025	Monday	23:03	11:12
08 April 2025	Tuesday	23:03	11:11
09 April 2025	Wednesday	23:03	11:11
10 April 2025	Thursday	23:02	11:11
11 April 2025	Friday	23:02	11:11
12 April 2025	Saturday	23:02	11:10
13 April 2025	Sunday	23:01	11:10
14 April 2025	Monday	23:01	11:10
15 April 2025	Tuesday	23:01	11:10
16 April 2025	Wednesday	23:01	11:10
17 April 2025	Thursday	23:00	11:09
18 April 2025	Friday	23:00	11:09
19 April 2025	Saturday	23:00	11:09
20 April 2025	Sunday	23:00	11:09
21 April 2025	Monday	22:59	11:09
22 April 2025	Tuesday	22:59	11:09
23 April 2025	Wednesday	22:59	11:08
24 April 2025	Thursday	22:59	11:08
25 April 2025	Friday	22:58	11:08
26 April 2025	Saturday	22:58	11:08
27 April 2025	Sunday	22:58	11:08
28 April 2025	Monday	22:58	11:08
29 April 2025	Tuesday	22:58	11:08
30 April 2025	Wednesday	22:57	11:08

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:57	11:08
02 May 2025	Friday	22:57	11:08
03 May 2025	Saturday	22:57	11:07
04 May 2025	Sunday	22:57	11:07
05 May 2025	Monday	22:57	11:07
06 May 2025	Tuesday	22:57	11:07
07 May 2025	Wednesday	22:56	11:07
08 May 2025	Thursday	22:56	11:07
09 May 2025	Friday	22:56	11:07
10 May 2025	Saturday	22:56	11:07
11 May 2025	Sunday	22:56	11:07
12 May 2025	Monday	22:56	11:07
13 May 2025	Tuesday	22:56	11:07
14 May 2025	Wednesday	22:56	11:07
15 May 2025	Thursday	22:56	11:07
16 May 2025	Friday	22:56	11:07
17 May 2025	Saturday	22:56	11:08
18 May 2025	Sunday	22:56	11:08
19 May 2025	Monday	22:56	11:08
20 May 2025	Tuesday	22:56	11:08
21 May 2025	Wednesday	22:56	11:08
22 May 2025	Thursday	22:56	11:08
23 May 2025	Friday	22:56	11:08
24 May 2025	Saturday	22:56	11:08
25 May 2025	Sunday	22:56	11:08
26 May 2025	Monday	22:56	11:09
27 May 2025	Tuesday	22:56	11:09
28 May 2025	Wednesday	22:56	11:09
29 May 2025	Thursday	22:57	11:09
30 May 2025	Friday	22:57	11:09
31 May 2025	Saturday	22:57	11:09

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:57	11:09
02 June 2025	Monday	22:57	11:10
03 June 2025	Tuesday	22:57	11:10
04 June 2025	Wednesday	22:57	11:10
05 June 2025	Thursday	22:57	11:10
06 June 2025	Friday	22:58	11:10
07 June 2025	Saturday	22:58	11:11
08 June 2025	Sunday	22:58	11:11
09 June 2025	Monday	22:58	11:11
10 June 2025	Tuesday	22:58	11:11
11 June 2025	Wednesday	22:59	11:11
12 June 2025	Thursday	22:59	11:12
13 June 2025	Friday	22:59	11:12
14 June 2025	Saturday	22:59	11:12
15 June 2025	Sunday	22:59	11:12
16 June 2025	Monday	23:00	11:13
17 June 2025	Tuesday	23:00	11:13
18 June 2025	Wednesday	23:00	11:13
19 June 2025	Thursday	23:00	11:13
20 June 2025	Friday	23:00	11:13
21 June 2025	Saturday	23:01	11:14
22 June 2025	Sunday	23:01	11:14
23 June 2025	Monday	23:01	11:14
24 June 2025	Tuesday	23:01	11:14
25 June 2025	Wednesday	23:01	11:15
26 June 2025	Thursday	23:02	11:15
27 June 2025	Friday	23:02	11:15
28 June 2025	Saturday	23:02	11:15
29 June 2025	Sunday	23:02	11:15
30 June 2025	Monday	23:03	11:16

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	23:03	11:16
02 July 2025	Wednesday	23:03	11:16
03 July 2025	Thursday	23:03	11:16
04 July 2025	Friday	23:03	11:16
05 July 2025	Saturday	23:04	11:16
06 July 2025	Sunday	23:04	11:17
07 July 2025	Monday	23:04	11:17
08 July 2025	Tuesday	23:04	11:17
09 July 2025	Wednesday	23:04	11:17
10 July 2025	Thursday	23:04	11:17
11 July 2025	Friday	23:05	11:17
12 July 2025	Saturday	23:05	11:17
13 July 2025	Sunday	23:05	11:17
14 July 2025	Monday	23:05	11:17
15 July 2025	Tuesday	23:05	11:18
16 July 2025	Wednesday	23:05	11:18
17 July 2025	Thursday	23:05	11:18
18 July 2025	Friday	23:05	11:18
19 July 2025	Saturday	23:06	11:18
20 July 2025	Sunday	23:06	11:18
21 July 2025	Monday	23:06	11:18
22 July 2025	Tuesday	23:06	11:18
23 July 2025	Wednesday	23:06	11:18
24 July 2025	Thursday	23:06	11:18
25 July 2025	Friday	23:06	11:18
26 July 2025	Saturday	23:06	11:18
27 July 2025	Sunday	23:06	11:18
28 July 2025	Monday	23:06	11:18
29 July 2025	Tuesday	23:06	11:18
30 July 2025	Wednesday	23:06	11:17
31 July 2025	Thursday	23:06	11:17

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:06	11:17
02 August 2025	Saturday	23:06	11:17
03 August 2025	Sunday	23:06	11:17
04 August 2025	Monday	23:06	11:17
05 August 2025	Tuesday	23:06	11:17
06 August 2025	Wednesday	23:06	11:17
07 August 2025	Thursday	23:06	11:16
08 August 2025	Friday	23:06	11:16
09 August 2025	Saturday	23:06	11:16
10 August 2025	Sunday	23:05	11:16
11 August 2025	Monday	23:05	11:16
12 August 2025	Tuesday	23:05	11:16
13 August 2025	Wednesday	23:05	11:15
14 August 2025	Thursday	23:05	11:15
15 August 2025	Friday	23:05	11:15
16 August 2025	Saturday	23:05	11:15
17 August 2025	Sunday	23:04	11:14
18 August 2025	Monday	23:04	11:14
19 August 2025	Tuesday	23:04	11:14
20 August 2025	Wednesday	23:04	11:14
21 August 2025	Thursday	23:04	11:13
22 August 2025	Friday	23:04	11:13
23 August 2025	Saturday	23:03	11:13
24 August 2025	Sunday	23:03	11:12
25 August 2025	Monday	23:03	11:12
26 August 2025	Tuesday	23:03	11:12
27 August 2025	Wednesday	23:02	11:11
28 August 2025	Thursday	23:02	11:11
29 August 2025	Friday	23:02	11:11
30 August 2025	Saturday	23:02	11:10
31 August 2025	Sunday	23:01	11:10

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:01	11:10
02 September 2025	Tuesday	23:01	11:09
03 September 2025	Wednesday	23:01	11:09
04 September 2025	Thursday	23:00	11:08
05 September 2025	Friday	23:00	11:08
06 September 2025	Saturday	23:00	11:08
07 September 2025	Sunday	22:59	11:07
08 September 2025	Monday	22:59	11:07
09 September 2025	Tuesday	22:59	11:07
10 September 2025	Wednesday	22:59	11:06
11 September 2025	Thursday	22:58	11:06
12 September 2025	Friday	22:58	11:05
13 September 2025	Saturday	22:58	11:05
14 September 2025	Sunday	22:57	11:05
15 September 2025	Monday	22:57	11:04
16 September 2025	Tuesday	22:57	11:04
17 September 2025	Wednesday	22:56	11:03
18 September 2025	Thursday	22:56	11:03
19 September 2025	Friday	22:56	11:03
20 September 2025	Saturday	22:55	11:02
21 September 2025	Sunday	22:55	11:02
22 September 2025	Monday	22:55	11:01
23 September 2025	Tuesday	22:54	11:01
24 September 2025	Wednesday	22:54	11:01
25 September 2025	Thursday	22:54	11:00
26 September 2025	Friday	22:54	11:00
27 September 2025	Saturday	22:53	10:59
28 September 2025	Sunday	22:53	10:59
29 September 2025	Monday	22:53	10:59
30 September 2025	Tuesday	22:52	10:58

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:52	10:58
02 October 2025	Thursday	22:52	10:58
03 October 2025	Friday	22:52	10:57
04 October 2025	Saturday	22:51	10:57
05 October 2025	Sunday	22:51	10:56
06 October 2025	Monday	22:51	10:56
07 October 2025	Tuesday	22:51	10:56
08 October 2025	Wednesday	22:50	10:55
09 October 2025	Thursday	22:50	10:55
10 October 2025	Friday	22:50	10:55
11 October 2025	Saturday	22:50	10:55
12 October 2025	Sunday	22:49	10:54
13 October 2025	Monday	22:49	10:54
14 October 2025	Tuesday	22:49	10:54
15 October 2025	Wednesday	22:49	10:53
16 October 2025	Thursday	22:49	10:53
17 October 2025	Friday	22:48	10:53
18 October 2025	Saturday	22:48	10:53
19 October 2025	Sunday	22:48	10:52
20 October 2025	Monday	22:48	10:52
21 October 2025	Tuesday	22:48	10:52
22 October 2025	Wednesday	22:48	10:52
23 October 2025	Thursday	22:48	10:52
24 October 2025	Friday	22:48	10:52
25 October 2025	Saturday	22:47	10:51
26 October 2025	Sunday	22:47	10:51
27 October 2025	Monday	22:47	10:51
28 October 2025	Tuesday	22:47	10:51
29 October 2025	Wednesday	22:47	10:51
30 October 2025	Thursday	22:47	10:51
31 October 2025	Friday	22:47	10:51

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:47	10:51
02 November 2025	Sunday	22:47	10:51
03 November 2025	Monday	22:47	10:51
04 November 2025	Tuesday	22:47	10:51
05 November 2025	Wednesday	22:47	10:51
06 November 2025	Thursday	22:47	10:51
07 November 2025	Friday	22:47	10:51
08 November 2025	Saturday	22:48	10:51
09 November 2025	Sunday	22:48	10:51
10 November 2025	Monday	22:48	10:51
11 November 2025	Tuesday	22:48	10:51
12 November 2025	Wednesday	22:48	10:51
13 November 2025	Thursday	22:48	10:51
14 November 2025	Friday	22:48	10:51
15 November 2025	Saturday	22:49	10:51
16 November 2025	Sunday	22:49	10:51
17 November 2025	Monday	22:49	10:52
18 November 2025	Tuesday	22:49	10:52
19 November 2025	Wednesday	22:49	10:52
20 November 2025	Thursday	22:50	10:52
21 November 2025	Friday	22:50	10:52
22 November 2025	Saturday	22:50	10:53
23 November 2025	Sunday	22:51	10:53
24 November 2025	Monday	22:51	10:53
25 November 2025	Tuesday	22:51	10:53
26 November 2025	Wednesday	22:51	10:54
27 November 2025	Thursday	22:52	10:54
28 November 2025	Friday	22:52	10:54
29 November 2025	Saturday	22:53	10:55
30 November 2025	Sunday	22:53	10:55

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:53	10:55
02 December 2025	Tuesday	22:54	10:56
03 December 2025	Wednesday	22:54	10:56
04 December 2025	Thursday	22:54	10:57
05 December 2025	Friday	22:55	10:57
06 December 2025	Saturday	22:55	10:57
07 December 2025	Sunday	22:56	10:58
08 December 2025	Monday	22:56	10:58
09 December 2025	Tuesday	22:57	10:59
10 December 2025	Wednesday	22:57	10:59
11 December 2025	Thursday	22:58	10:59
12 December 2025	Friday	22:58	11:00
13 December 2025	Saturday	22:59	11:00
14 December 2025	Sunday	22:59	11:01
15 December 2025	Monday	23:00	11:01
16 December 2025	Tuesday	23:00	11:02
17 December 2025	Wednesday	23:00	11:02
18 December 2025	Thursday	23:01	11:03
19 December 2025	Friday	23:01	11:03
20 December 2025	Saturday	23:02	11:04
21 December 2025	Sunday	23:02	11:04
22 December 2025	Monday	23:03	11:05
23 December 2025	Tuesday	23:03	11:05
24 December 2025	Wednesday	23:04	11:06
25 December 2025	Thursday	23:04	11:06
26 December 2025	Friday	23:05	11:07
27 December 2025	Saturday	23:05	11:07
28 December 2025	Sunday	23:06	11:08
29 December 2025	Monday	23:06	11:08
30 December 2025	Tuesday	23:07	11:09
31 December 2025	Wednesday	23:07	11:09

2.7.8 WMKK - KL INTERNATIONAL/SEPANG

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:18	11:16
02 January 2025	Thursday	23:18	11:16
03 January 2025	Friday	23:19	11:17
04 January 2025	Saturday	23:19	11:17
05 January 2025	Sunday	23:19	11:18
06 January 2025	Monday	23:20	11:18
07 January 2025	Tuesday	23:20	11:19
08 January 2025	Wednesday	23:21	11:19
09 January 2025	Thursday	23:21	11:20
10 January 2025	Friday	23:21	11:20
11 January 2025	Saturday	23:22	11:20
12 January 2025	Sunday	23:22	11:21
13 January 2025	Monday	23:22	11:21
14 January 2025	Tuesday	23:23	11:22
15 January 2025	Wednesday	23:23	11:22
16 January 2025	Thursday	23:23	11:22
17 January 2025	Friday	23:24	11:23
18 January 2025	Saturday	23:24	11:23
19 January 2025	Sunday	23:24	11:23
20 January 2025	Monday	23:25	11:24
21 January 2025	Tuesday	23:25	11:24
22 January 2025	Wednesday	23:25	11:24
23 January 2025	Thursday	23:25	11:25
24 January 2025	Friday	23:25	11:25
25 January 2025	Saturday	23:26	11:25
26 January 2025	Sunday	23:26	11:26
27 January 2025	Monday	23:26	11:26
28 January 2025	Tuesday	23:26	11:26
29 January 2025	Wednesday	23:26	11:26
30 January 2025	Thursday	23:26	11:26
31 January 2025	Friday	23:26	11:27

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:27	11:27
02 February 2025	Sunday	23:27	11:27
03 February 2025	Monday	23:27	11:27
04 February 2025	Tuesday	23:27	11:27
05 February 2025	Wednesday	23:27	11:28
06 February 2025	Thursday	23:27	11:28
07 February 2025	Friday	23:27	11:28
08 February 2025	Saturday	23:27	11:28
09 February 2025	Sunday	23:27	11:28
10 February 2025	Monday	23:27	11:28
11 February 2025	Tuesday	23:27	11:28
12 February 2025	Wednesday	23:27	11:28
13 February 2025	Thursday	23:27	11:28
14 February 2025	Friday	23:26	11:28
15 February 2025	Saturday	23:26	11:28
16 February 2025	Sunday	23:26	11:28
17 February 2025	Monday	23:26	11:28
18 February 2025	Tuesday	23:26	11:28
19 February 2025	Wednesday	23:26	11:28
20 February 2025	Thursday	23:26	11:28
21 February 2025	Friday	23:25	11:28
22 February 2025	Saturday	23:25	11:28
23 February 2025	Sunday	23:25	11:28
24 February 2025	Monday	23:25	11:28
25 February 2025	Tuesday	23:25	11:28
26 February 2025	Wednesday	23:24	11:28
27 February 2025	Thursday	23:24	11:28
28 February 2025	Friday	23:24	11:27

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:24	11:27
02 March 2025	Sunday	23:23	11:27
03 March 2025	Monday	23:23	11:27
04 March 2025	Tuesday	23:23	11:27
05 March 2025	Wednesday	23:23	11:27
06 March 2025	Thursday	23:22	11:27
07 March 2025	Friday	23:22	11:26
08 March 2025	Saturday	23:22	11:26
09 March 2025	Sunday	23:21	11:26
10 March 2025	Monday	23:21	11:26
11 March 2025	Tuesday	23:21	11:26
12 March 2025	Wednesday	23:20	11:26
13 March 2025	Thursday	23:20	11:25
14 March 2025	Friday	23:20	11:25
15 March 2025	Saturday	23:19	11:25
16 March 2025	Sunday	23:19	11:25
17 March 2025	Monday	23:18	11:25
18 March 2025	Tuesday	23:18	11:24
19 March 2025	Wednesday	23:18	11:24
20 March 2025	Thursday	23:17	11:24
21 March 2025	Friday	23:17	11:24
22 March 2025	Saturday	23:17	11:23
23 March 2025	Sunday	23:16	11:23
24 March 2025	Monday	23:16	11:23
25 March 2025	Tuesday	23:16	11:23
26 March 2025	Wednesday	23:15	11:23
27 March 2025	Thursday	23:15	11:22
28 March 2025	Friday	23:14	11:22
29 March 2025	Saturday	23:14	11:22
30 March 2025	Sunday	23:14	11:22
31 March 2025	Monday	23:13	11:21

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:13	11:21
02 April 2025	Wednesday	23:13	11:21
03 April 2025	Thursday	23:12	11:21
04 April 2025	Friday	23:12	11:21
05 April 2025	Saturday	23:11	11:20
06 April 2025	Sunday	23:11	11:20
07 April 2025	Monday	23:11	11:20
08 April 2025	Tuesday	23:10	11:20
09 April 2025	Wednesday	23:10	11:20
10 April 2025	Thursday	23:10	11:19
11 April 2025	Friday	23:09	11:19
12 April 2025	Saturday	23:09	11:19
13 April 2025	Sunday	23:09	11:19
14 April 2025	Monday	23:08	11:19
15 April 2025	Tuesday	23:08	11:18
16 April 2025	Wednesday	23:08	11:18
17 April 2025	Thursday	23:07	11:18
18 April 2025	Friday	23:07	11:18
19 April 2025	Saturday	23:07	11:18
20 April 2025	Sunday	23:06	11:18
21 April 2025	Monday	23:06	11:18
22 April 2025	Tuesday	23:06	11:17
23 April 2025	Wednesday	23:06	11:17
24 April 2025	Thursday	23:05	11:17
25 April 2025	Friday	23:05	11:17
26 April 2025	Saturday	23:05	11:17
27 April 2025	Sunday	23:05	11:17
28 April 2025	Monday	23:04	11:17
29 April 2025	Tuesday	23:04	11:17
30 April 2025	Wednesday	23:04	11:17

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	23:04	11:17
02 May 2025	Friday	23:04	11:17
03 May 2025	Saturday	23:04	11:17
04 May 2025	Sunday	23:03	11:17
05 May 2025	Monday	23:03	11:17
06 May 2025	Tuesday	23:03	11:17
07 May 2025	Wednesday	23:03	11:17
08 May 2025	Thursday	23:03	11:17
09 May 2025	Friday	23:03	11:17
10 May 2025	Saturday	23:03	11:17
11 May 2025	Sunday	23:03	11:17
12 May 2025	Monday	23:02	11:17
13 May 2025	Tuesday	23:02	11:17
14 May 2025	Wednesday	23:02	11:17
15 May 2025	Thursday	23:02	11:17
16 May 2025	Friday	23:02	11:17
17 May 2025	Saturday	23:02	11:17
18 May 2025	Sunday	23:02	11:17
19 May 2025	Monday	23:02	11:17
20 May 2025	Tuesday	23:02	11:17
21 May 2025	Wednesday	23:02	11:17
22 May 2025	Thursday	23:02	11:18
23 May 2025	Friday	23:02	11:18
24 May 2025	Saturday	23:02	11:18
25 May 2025	Sunday	23:02	11:18
26 May 2025	Monday	23:02	11:18
27 May 2025	Tuesday	23:02	11:18
28 May 2025	Wednesday	23:03	11:18
29 May 2025	Thursday	23:03	11:19
30 May 2025	Friday	23:03	11:19
31 May 2025	Saturday	23:03	11:19

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	23:03	11:19
02 June 2025	Monday	23:03	11:19
03 June 2025	Tuesday	23:03	11:20
04 June 2025	Wednesday	23:03	11:20
05 June 2025	Thursday	23:03	11:20
06 June 2025	Friday	23:04	11:20
07 June 2025	Saturday	23:04	11:20
08 June 2025	Sunday	23:04	11:21
09 June 2025	Monday	23:04	11:21
10 June 2025	Tuesday	23:04	11:21
11 June 2025	Wednesday	23:04	11:21
12 June 2025	Thursday	23:05	11:21
13 June 2025	Friday	23:05	11:22
14 June 2025	Saturday	23:05	11:22
15 June 2025	Sunday	23:05	11:22
16 June 2025	Monday	23:05	11:22
17 June 2025	Tuesday	23:06	11:23
18 June 2025	Wednesday	23:06	11:23
19 June 2025	Thursday	23:06	11:23
20 June 2025	Friday	23:06	11:23
21 June 2025	Saturday	23:07	11:23
22 June 2025	Sunday	23:07	11:24
23 June 2025	Monday	23:07	11:24
24 June 2025	Tuesday	23:07	11:24
25 June 2025	Wednesday	23:07	11:24
26 June 2025	Thursday	23:08	11:24
27 June 2025	Friday	23:08	11:25
28 June 2025	Saturday	23:08	11:25
29 June 2025	Sunday	23:08	11:25
30 June 2025	Monday	23:09	11:25

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	23:09	11:25
02 July 2025	Wednesday	23:09	11:26
03 July 2025	Thursday	23:09	11:26
04 July 2025	Friday	23:09	11:26
05 July 2025	Saturday	23:10	11:26
06 July 2025	Sunday	23:10	11:26
07 July 2025	Monday	23:10	11:26
08 July 2025	Tuesday	23:10	11:26
09 July 2025	Wednesday	23:10	11:27
10 July 2025	Thursday	23:10	11:27
11 July 2025	Friday	23:11	11:27
12 July 2025	Saturday	23:11	11:27
13 July 2025	Sunday	23:11	11:27
14 July 2025	Monday	23:11	11:27
15 July 2025	Tuesday	23:11	11:27
16 July 2025	Wednesday	23:11	11:27
17 July 2025	Thursday	23:12	11:27
18 July 2025	Friday	23:12	11:27
19 July 2025	Saturday	23:12	11:27
20 July 2025	Sunday	23:12	11:27
21 July 2025	Monday	23:12	11:27
22 July 2025	Tuesday	23:12	11:27
23 July 2025	Wednesday	23:12	11:27
24 July 2025	Thursday	23:12	11:27
25 July 2025	Friday	23:12	11:27
26 July 2025	Saturday	23:12	11:27
27 July 2025	Sunday	23:12	11:27
28 July 2025	Monday	23:12	11:27
29 July 2025	Tuesday	23:12	11:27
30 July 2025	Wednesday	23:12	11:27
31 July 2025	Thursday	23:12	11:27

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:12	11:27
02 August 2025	Saturday	23:12	11:26
03 August 2025	Sunday	23:12	11:26
04 August 2025	Monday	23:12	11:26
05 August 2025	Tuesday	23:12	11:26
06 August 2025	Wednesday	23:12	11:26
07 August 2025	Thursday	23:12	11:26
08 August 2025	Friday	23:12	11:25
09 August 2025	Saturday	23:12	11:25
10 August 2025	Sunday	23:12	11:25
11 August 2025	Monday	23:12	11:25
12 August 2025	Tuesday	23:12	11:25
13 August 2025	Wednesday	23:12	11:24
14 August 2025	Thursday	23:12	11:24
15 August 2025	Friday	23:12	11:24
16 August 2025	Saturday	23:11	11:24
17 August 2025	Sunday	23:11	11:23
18 August 2025	Monday	23:11	11:23
19 August 2025	Tuesday	23:11	11:23
20 August 2025	Wednesday	23:11	11:22
21 August 2025	Thursday	23:11	11:22
22 August 2025	Friday	23:10	11:22
23 August 2025	Saturday	23:10	11:21
24 August 2025	Sunday	23:10	11:21
25 August 2025	Monday	23:10	11:21
26 August 2025	Tuesday	23:10	11:20
27 August 2025	Wednesday	23:09	11:20
28 August 2025	Thursday	23:09	11:20
29 August 2025	Friday	23:09	11:19
30 August 2025	Saturday	23:09	11:19
31 August 2025	Sunday	23:09	11:18

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:08	11:18
02 September 2025	Tuesday	23:08	11:18
03 September 2025	Wednesday	23:08	11:17
04 September 2025	Thursday	23:08	11:17
05 September 2025	Friday	23:07	11:16
06 September 2025	Saturday	23:07	11:16
07 September 2025	Sunday	23:07	11:16
08 September 2025	Monday	23:07	11:15
09 September 2025	Tuesday	23:06	11:15
10 September 2025	Wednesday	23:06	11:14
11 September 2025	Thursday	23:06	11:14
12 September 2025	Friday	23:05	11:13
13 September 2025	Saturday	23:05	11:13
14 September 2025	Sunday	23:05	11:13
15 September 2025	Monday	23:05	11:12
16 September 2025	Tuesday	23:04	11:12
17 September 2025	Wednesday	23:04	11:11
18 September 2025	Thursday	23:04	11:11
19 September 2025	Friday	23:03	11:10
20 September 2025	Saturday	23:03	11:10
21 September 2025	Sunday	23:03	11:10
22 September 2025	Monday	23:03	11:09
23 September 2025	Tuesday	23:02	11:09
24 September 2025	Wednesday	23:02	11:08
25 September 2025	Thursday	23:02	11:08
26 September 2025	Friday	23:02	11:07
27 September 2025	Saturday	23:01	11:07
28 September 2025	Sunday	23:01	11:07
29 September 2025	Monday	23:01	11:06
30 September 2025	Tuesday	23:00	11:06

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	23:00	11:05
02 October 2025	Thursday	23:00	11:05
03 October 2025	Friday	23:00	11:05
04 October 2025	Saturday	22:59	11:04
05 October 2025	Sunday	22:59	11:04
06 October 2025	Monday	22:59	11:04
07 October 2025	Tuesday	22:59	11:03
08 October 2025	Wednesday	22:59	11:03
09 October 2025	Thursday	22:58	11:02
10 October 2025	Friday	22:58	11:02
11 October 2025	Saturday	22:58	11:02
12 October 2025	Sunday	22:58	11:02
13 October 2025	Monday	22:58	11:01
14 October 2025	Tuesday	22:57	11:01
15 October 2025	Wednesday	22:57	11:01
16 October 2025	Thursday	22:57	11:00
17 October 2025	Friday	22:57	11:00
18 October 2025	Saturday	22:57	11:00
19 October 2025	Sunday	22:57	11:00
20 October 2025	Monday	22:57	10:59
21 October 2025	Tuesday	22:57	10:59
22 October 2025	Wednesday	22:56	10:59
23 October 2025	Thursday	22:56	10:59
24 October 2025	Friday	22:56	10:58
25 October 2025	Saturday	22:56	10:58
26 October 2025	Sunday	22:56	10:58
27 October 2025	Monday	22:56	10:58
28 October 2025	Tuesday	22:56	10:58
29 October 2025	Wednesday	22:56	10:58
30 October 2025	Thursday	22:56	10:58
31 October 2025	Friday	22:56	10:57

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:56	10:57
02 November 2025	Sunday	22:56	10:57
03 November 2025	Monday	22:56	10:57
04 November 2025	Tuesday	22:56	10:57
05 November 2025	Wednesday	22:56	10:57
06 November 2025	Thursday	22:56	10:57
07 November 2025	Friday	22:57	10:57
08 November 2025	Saturday	22:57	10:57
09 November 2025	Sunday	22:57	10:57
10 November 2025	Monday	22:57	10:57
11 November 2025	Tuesday	22:57	10:57
12 November 2025	Wednesday	22:57	10:57
13 November 2025	Thursday	22:57	10:57
14 November 2025	Friday	22:58	10:57
15 November 2025	Saturday	22:58	10:58
16 November 2025	Sunday	22:58	10:58
17 November 2025	Monday	22:58	10:58
18 November 2025	Tuesday	22:59	10:58
19 November 2025	Wednesday	22:59	10:58
20 November 2025	Thursday	22:59	10:58
21 November 2025	Friday	22:59	10:59
22 November 2025	Saturday	23:00	10:59
23 November 2025	Sunday	23:00	10:59
24 November 2025	Monday	23:00	10:59
25 November 2025	Tuesday	23:01	11:00
26 November 2025	Wednesday	23:01	11:00
27 November 2025	Thursday	23:01	11:00
28 November 2025	Friday	23:02	11:00
29 November 2025	Saturday	23:02	11:01
30 November 2025	Sunday	23:03	11:01

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	23:03	11:01
02 December 2025	Tuesday	23:03	11:02
03 December 2025	Wednesday	23:04	11:02
04 December 2025	Thursday	23:04	11:03
05 December 2025	Friday	23:05	11:03
06 December 2025	Saturday	23:05	11:03
07 December 2025	Sunday	23:05	11:04
08 December 2025	Monday	23:06	11:04
09 December 2025	Tuesday	23:06	11:05
10 December 2025	Wednesday	23:07	11:05
11 December 2025	Thursday	23:07	11:05
12 December 2025	Friday	23:08	11:06
13 December 2025	Saturday	23:08	11:06
14 December 2025	Sunday	23:09	11:07
15 December 2025	Monday	23:09	11:07
16 December 2025	Tuesday	23:10	11:08
17 December 2025	Wednesday	23:10	11:08
18 December 2025	Thursday	23:11	11:09
19 December 2025	Friday	23:11	11:09
20 December 2025	Saturday	23:12	11:10
21 December 2025	Sunday	23:12	11:10
22 December 2025	Monday	23:13	11:11
23 December 2025	Tuesday	23:13	11:11
24 December 2025	Wednesday	23:14	11:12
25 December 2025	Thursday	23:14	11:12
26 December 2025	Friday	23:15	11:13
27 December 2025	Saturday	23:15	11:13
28 December 2025	Sunday	23:16	11:14
29 December 2025	Monday	23:16	11:14
30 December 2025	Tuesday	23:17	11:15
31 December 2025	Wednesday	23:17	11:15

2.7.9 WMKL - LANGKAWI INTERNATIONAL

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:32	11:18
02 January 2025	Thursday	23:32	11:18
03 January 2025	Friday	23:33	11:19
04 January 2025	Saturday	23:33	11:19
05 January 2025	Sunday	23:33	11:20
06 January 2025	Monday	23:34	11:20
07 January 2025	Tuesday	23:34	11:21
08 January 2025	Wednesday	23:34	11:21
09 January 2025	Thursday	23:35	11:22
10 January 2025	Friday	23:35	11:22
11 January 2025	Saturday	23:35	11:23
12 January 2025	Sunday	23:36	11:23
13 January 2025	Monday	23:36	11:23
14 January 2025	Tuesday	23:36	11:24
15 January 2025	Wednesday	23:37	11:24
16 January 2025	Thursday	23:37	11:25
17 January 2025	Friday	23:37	11:25
18 January 2025	Saturday	23:37	11:26
19 January 2025	Sunday	23:38	11:26
20 January 2025	Monday	23:38	11:26
21 January 2025	Tuesday	23:38	11:27
22 January 2025	Wednesday	23:38	11:27
23 January 2025	Thursday	23:38	11:28
24 January 2025	Friday	23:38	11:28
25 January 2025	Saturday	23:39	11:28
26 January 2025	Sunday	23:39	11:29
27 January 2025	Monday	23:39	11:29
28 January 2025	Tuesday	23:39	11:29
29 January 2025	Wednesday	23:39	11:30
30 January 2025	Thursday	23:39	11:30
31 January 2025	Friday	23:39	11:30

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:39	11:30
02 February 2025	Sunday	23:39	11:31
03 February 2025	Monday	23:39	11:31
04 February 2025	Tuesday	23:39	11:31
05 February 2025	Wednesday	23:39	11:31
06 February 2025	Thursday	23:39	11:32
07 February 2025	Friday	23:39	11:32
08 February 2025	Saturday	23:39	11:32
09 February 2025	Sunday	23:38	11:32
10 February 2025	Monday	23:38	11:32
11 February 2025	Tuesday	23:38	11:32
12 February 2025	Wednesday	23:38	11:33
13 February 2025	Thursday	23:38	11:33
14 February 2025	Friday	23:38	11:33
15 February 2025	Saturday	23:37	11:33
16 February 2025	Sunday	23:37	11:33
17 February 2025	Monday	23:37	11:33
18 February 2025	Tuesday	23:37	11:33
19 February 2025	Wednesday	23:37	11:33
20 February 2025	Thursday	23:36	11:33
21 February 2025	Friday	23:36	11:33
22 February 2025	Saturday	23:36	11:33
23 February 2025	Sunday	23:35	11:33
24 February 2025	Monday	23:35	11:33
25 February 2025	Tuesday	23:35	11:33
26 February 2025	Wednesday	23:34	11:33
27 February 2025	Thursday	23:34	11:33
28 February 2025	Friday	23:34	11:33

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:33	11:33
02 March 2025	Sunday	23:33	11:33
03 March 2025	Monday	23:33	11:33
04 March 2025	Tuesday	23:32	11:33
05 March 2025	Wednesday	23:32	11:33
06 March 2025	Thursday	23:32	11:33
07 March 2025	Friday	23:31	11:33
08 March 2025	Saturday	23:31	11:33
09 March 2025	Sunday	23:30	11:33
10 March 2025	Monday	23:30	11:33
11 March 2025	Tuesday	23:29	11:33
12 March 2025	Wednesday	23:29	11:33
13 March 2025	Thursday	23:29	11:33
14 March 2025	Friday	23:28	11:32
15 March 2025	Saturday	23:28	11:32
16 March 2025	Sunday	23:27	11:32
17 March 2025	Monday	23:27	11:32
18 March 2025	Tuesday	23:26	11:32
19 March 2025	Wednesday	23:26	11:32
20 March 2025	Thursday	23:25	11:32
21 March 2025	Friday	23:25	11:32
22 March 2025	Saturday	23:24	11:32
23 March 2025	Sunday	23:24	11:31
24 March 2025	Monday	23:23	11:31
25 March 2025	Tuesday	23:23	11:31
26 March 2025	Wednesday	23:22	11:31
27 March 2025	Thursday	23:22	11:31
28 March 2025	Friday	23:22	11:31
29 March 2025	Saturday	23:21	11:31
30 March 2025	Sunday	23:21	11:31
31 March 2025	Monday	23:20	11:30

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:20	11:30
02 April 2025	Wednesday	23:19	11:30
03 April 2025	Thursday	23:19	11:30
04 April 2025	Friday	23:18	11:30
05 April 2025	Saturday	23:18	11:30
06 April 2025	Sunday	23:17	11:30
07 April 2025	Monday	23:17	11:30
08 April 2025	Tuesday	23:16	11:30
09 April 2025	Wednesday	23:16	11:29
10 April 2025	Thursday	23:16	11:29
11 April 2025	Friday	23:15	11:29
12 April 2025	Saturday	23:15	11:29
13 April 2025	Sunday	23:14	11:29
14 April 2025	Monday	23:14	11:29
15 April 2025	Tuesday	23:13	11:29
16 April 2025	Wednesday	23:13	11:29
17 April 2025	Thursday	23:13	11:29
18 April 2025	Friday	23:12	11:29
19 April 2025	Saturday	23:12	11:29
20 April 2025	Sunday	23:11	11:29
21 April 2025	Monday	23:11	11:29
22 April 2025	Tuesday	23:11	11:29
23 April 2025	Wednesday	23:10	11:29
24 April 2025	Thursday	23:10	11:28
25 April 2025	Friday	23:10	11:28
26 April 2025	Saturday	23:09	11:28
27 April 2025	Sunday	23:09	11:28
28 April 2025	Monday	23:09	11:28
29 April 2025	Tuesday	23:08	11:28
30 April 2025	Wednesday	23:08	11:29

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	23:08	11:29
02 May 2025	Friday	23:08	11:29
03 May 2025	Saturday	23:07	11:29
04 May 2025	Sunday	23:07	11:29
05 May 2025	Monday	23:07	11:29
06 May 2025	Tuesday	23:07	11:29
07 May 2025	Wednesday	23:06	11:29
08 May 2025	Thursday	23:06	11:29
09 May 2025	Friday	23:06	11:29
10 May 2025	Saturday	23:06	11:29
11 May 2025	Sunday	23:06	11:29
12 May 2025	Monday	23:06	11:29
13 May 2025	Tuesday	23:05	11:29
14 May 2025	Wednesday	23:05	11:30
15 May 2025	Thursday	23:05	11:30
16 May 2025	Friday	23:05	11:30
17 May 2025	Saturday	23:05	11:30
18 May 2025	Sunday	23:05	11:30
19 May 2025	Monday	23:05	11:30
20 May 2025	Tuesday	23:05	11:30
21 May 2025	Wednesday	23:05	11:31
22 May 2025	Thursday	23:05	11:31
23 May 2025	Friday	23:05	11:31
24 May 2025	Saturday	23:05	11:31
25 May 2025	Sunday	23:05	11:31
26 May 2025	Monday	23:05	11:32
27 May 2025	Tuesday	23:05	11:32
28 May 2025	Wednesday	23:05	11:32
29 May 2025	Thursday	23:05	11:32
30 May 2025	Friday	23:05	11:32
31 May 2025	Saturday	23:05	11:33

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	23:05	11:33
02 June 2025	Monday	23:05	11:33
03 June 2025	Tuesday	23:05	11:33
04 June 2025	Wednesday	23:05	11:34
05 June 2025	Thursday	23:05	11:34
06 June 2025	Friday	23:05	11:34
07 June 2025	Saturday	23:06	11:34
08 June 2025	Sunday	23:06	11:35
09 June 2025	Monday	23:06	11:35
10 June 2025	Tuesday	23:06	11:35
11 June 2025	Wednesday	23:06	11:35
12 June 2025	Thursday	23:06	11:36
13 June 2025	Friday	23:07	11:36
14 June 2025	Saturday	23:07	11:36
15 June 2025	Sunday	23:07	11:36
16 June 2025	Monday	23:07	11:37
17 June 2025	Tuesday	23:07	11:37
18 June 2025	Wednesday	23:07	11:37
19 June 2025	Thursday	23:08	11:37
20 June 2025	Friday	23:08	11:37
21 June 2025	Saturday	23:08	11:38
22 June 2025	Sunday	23:08	11:38
23 June 2025	Monday	23:09	11:38
24 June 2025	Tuesday	23:09	11:38
25 June 2025	Wednesday	23:09	11:38
26 June 2025	Thursday	23:09	11:39
27 June 2025	Friday	23:09	11:39
28 June 2025	Saturday	23:10	11:39
29 June 2025	Sunday	23:10	11:39
30 June 2025	Monday	23:10	11:39

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	23:10	11:40
02 July 2025	Wednesday	23:11	11:40
03 July 2025	Thursday	23:11	11:40
04 July 2025	Friday	23:11	11:40
05 July 2025	Saturday	23:11	11:40
06 July 2025	Sunday	23:12	11:40
07 July 2025	Monday	23:12	11:40
08 July 2025	Tuesday	23:12	11:40
09 July 2025	Wednesday	23:12	11:40
10 July 2025	Thursday	23:12	11:41
11 July 2025	Friday	23:13	11:41
12 July 2025	Saturday	23:13	11:41
13 July 2025	Sunday	23:13	11:41
14 July 2025	Monday	23:13	11:41
15 July 2025	Tuesday	23:13	11:41
16 July 2025	Wednesday	23:14	11:41
17 July 2025	Thursday	23:14	11:41
18 July 2025	Friday	23:14	11:41
19 July 2025	Saturday	23:14	11:41
20 July 2025	Sunday	23:14	11:41
21 July 2025	Monday	23:14	11:41
22 July 2025	Tuesday	23:15	11:41
23 July 2025	Wednesday	23:15	11:40
24 July 2025	Thursday	23:15	11:40
25 July 2025	Friday	23:15	11:40
26 July 2025	Saturday	23:15	11:40
27 July 2025	Sunday	23:15	11:40
28 July 2025	Monday	23:15	11:40
29 July 2025	Tuesday	23:15	11:40
30 July 2025	Wednesday	23:16	11:40
31 July 2025	Thursday	23:16	11:39

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:16	11:39
02 August 2025	Saturday	23:16	11:39
03 August 2025	Sunday	23:16	11:39
04 August 2025	Monday	23:16	11:39
05 August 2025	Tuesday	23:16	11:38
06 August 2025	Wednesday	23:16	11:38
07 August 2025	Thursday	23:16	11:38
08 August 2025	Friday	23:16	11:38
09 August 2025	Saturday	23:16	11:37
10 August 2025	Sunday	23:16	11:37
11 August 2025	Monday	23:16	11:37
12 August 2025	Tuesday	23:16	11:36
13 August 2025	Wednesday	23:16	11:36
14 August 2025	Thursday	23:16	11:36
15 August 2025	Friday	23:16	11:35
16 August 2025	Saturday	23:16	11:35
17 August 2025	Sunday	23:16	11:35
18 August 2025	Monday	23:16	11:34
19 August 2025	Tuesday	23:16	11:34
20 August 2025	Wednesday	23:16	11:33
21 August 2025	Thursday	23:15	11:33
22 August 2025	Friday	23:15	11:33
23 August 2025	Saturday	23:15	11:32
24 August 2025	Sunday	23:15	11:32
25 August 2025	Monday	23:15	11:31
26 August 2025	Tuesday	23:15	11:31
27 August 2025	Wednesday	23:15	11:30
28 August 2025	Thursday	23:15	11:30
29 August 2025	Friday	23:15	11:29
30 August 2025	Saturday	23:14	11:29
31 August 2025	Sunday	23:14	11:29

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:14	11:28
02 September 2025	Tuesday	23:14	11:28
03 September 2025	Wednesday	23:14	11:27
04 September 2025	Thursday	23:14	11:27
05 September 2025	Friday	23:13	11:26
06 September 2025	Saturday	23:13	11:26
07 September 2025	Sunday	23:13	11:25
08 September 2025	Monday	23:13	11:24
09 September 2025	Tuesday	23:13	11:24
10 September 2025	Wednesday	23:13	11:23
11 September 2025	Thursday	23:12	11:23
12 September 2025	Friday	23:12	11:22
13 September 2025	Saturday	23:12	11:22
14 September 2025	Sunday	23:12	11:21
15 September 2025	Monday	23:12	11:21
16 September 2025	Tuesday	23:12	11:20
17 September 2025	Wednesday	23:11	11:20
18 September 2025	Thursday	23:11	11:19
19 September 2025	Friday	23:11	11:19
20 September 2025	Saturday	23:11	11:18
21 September 2025	Sunday	23:11	11:18
22 September 2025	Monday	23:10	11:17
23 September 2025	Tuesday	23:10	11:17
24 September 2025	Wednesday	23:10	11:16
25 September 2025	Thursday	23:10	11:16
26 September 2025	Friday	23:10	11:15
27 September 2025	Saturday	23:10	11:15
28 September 2025	Sunday	23:09	11:14
29 September 2025	Monday	23:09	11:14
30 September 2025	Tuesday	23:09	11:13

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	23:09	11:13
02 October 2025	Thursday	23:09	11:12
03 October 2025	Friday	23:09	11:12
04 October 2025	Saturday	23:08	11:11
05 October 2025	Sunday	23:08	11:11
06 October 2025	Monday	23:08	11:10
07 October 2025	Tuesday	23:08	11:10
08 October 2025	Wednesday	23:08	11:09
09 October 2025	Thursday	23:08	11:09
10 October 2025	Friday	23:08	11:08
11 October 2025	Saturday	23:08	11:08
12 October 2025	Sunday	23:08	11:07
13 October 2025	Monday	23:07	11:07
14 October 2025	Tuesday	23:07	11:07
15 October 2025	Wednesday	23:07	11:06
16 October 2025	Thursday	23:07	11:06
17 October 2025	Friday	23:07	11:06
18 October 2025	Saturday	23:07	11:05
19 October 2025	Sunday	23:07	11:05
20 October 2025	Monday	23:07	11:05
21 October 2025	Tuesday	23:07	11:04
22 October 2025	Wednesday	23:07	11:04
23 October 2025	Thursday	23:07	11:04
24 October 2025	Friday	23:07	11:03
25 October 2025	Saturday	23:07	11:03
26 October 2025	Sunday	23:07	11:03
27 October 2025	Monday	23:07	11:03
28 October 2025	Tuesday	23:07	11:02
29 October 2025	Wednesday	23:07	11:02
30 October 2025	Thursday	23:08	11:02
31 October 2025	Friday	23:08	11:02

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	23:08	11:01
02 November 2025	Sunday	23:08	11:01
03 November 2025	Monday	23:08	11:01
04 November 2025	Tuesday	23:08	11:01
05 November 2025	Wednesday	23:08	11:01
06 November 2025	Thursday	23:09	11:01
07 November 2025	Friday	23:09	11:01
08 November 2025	Saturday	23:09	11:01
09 November 2025	Sunday	23:09	11:01
10 November 2025	Monday	23:09	11:01
11 November 2025	Tuesday	23:10	11:01
12 November 2025	Wednesday	23:10	11:01
13 November 2025	Thursday	23:10	11:01
14 November 2025	Friday	23:10	11:01
15 November 2025	Saturday	23:11	11:01
16 November 2025	Sunday	23:11	11:01
17 November 2025	Monday	23:11	11:01
18 November 2025	Tuesday	23:12	11:01
19 November 2025	Wednesday	23:12	11:01
20 November 2025	Thursday	23:12	11:01
21 November 2025	Friday	23:13	11:01
22 November 2025	Saturday	23:13	11:01
23 November 2025	Sunday	23:13	11:02
24 November 2025	Monday	23:14	11:02
25 November 2025	Tuesday	23:14	11:02
26 November 2025	Wednesday	23:14	11:02
27 November 2025	Thursday	23:15	11:02
28 November 2025	Friday	23:15	11:03
29 November 2025	Saturday	23:16	11:03
30 November 2025	Sunday	23:16	11:03

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	23:17	11:04
02 December 2025	Tuesday	23:17	11:04
03 December 2025	Wednesday	23:17	11:04
04 December 2025	Thursday	23:18	11:05
05 December 2025	Friday	23:18	11:05
06 December 2025	Saturday	23:19	11:05
07 December 2025	Sunday	23:19	11:06
08 December 2025	Monday	23:20	11:06
09 December 2025	Tuesday	23:20	11:06
10 December 2025	Wednesday	23:21	11:07
11 December 2025	Thursday	23:21	11:07
12 December 2025	Friday	23:22	11:08
13 December 2025	Saturday	23:22	11:08
14 December 2025	Sunday	23:23	11:09
15 December 2025	Monday	23:23	11:09
16 December 2025	Tuesday	23:24	11:09
17 December 2025	Wednesday	23:24	11:10
18 December 2025	Thursday	23:25	11:10
19 December 2025	Friday	23:25	11:11
20 December 2025	Saturday	23:26	11:11
21 December 2025	Sunday	23:26	11:12
22 December 2025	Monday	23:27	11:12
23 December 2025	Tuesday	23:27	11:13
24 December 2025	Wednesday	23:28	11:13
25 December 2025	Thursday	23:28	11:14
26 December 2025	Friday	23:29	11:14
27 December 2025	Saturday	23:29	11:15
28 December 2025	Sunday	23:30	11:15
29 December 2025	Monday	23:30	11:16
30 December 2025	Tuesday	23:31	11:16
31 December 2025	Wednesday	23:31	11:17

2.7.10 WMKM - MALACCA

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:15	11:14
02 January 2025	Thursday	23:15	11:15
03 January 2025	Friday	23:16	11:15
04 January 2025	Saturday	23:16	11:16
05 January 2025	Sunday	23:16	11:16
06 January 2025	Monday	23:17	11:17
07 January 2025	Tuesday	23:17	11:17
08 January 2025	Wednesday	23:18	11:18
09 January 2025	Thursday	23:18	11:18
10 January 2025	Friday	23:18	11:19
11 January 2025	Saturday	23:19	11:19
12 January 2025	Sunday	23:19	11:19
13 January 2025	Monday	23:20	11:20
14 January 2025	Tuesday	23:20	11:20
15 January 2025	Wednesday	23:20	11:21
16 January 2025	Thursday	23:21	11:21
17 January 2025	Friday	23:21	11:21
18 January 2025	Saturday	23:21	11:22
19 January 2025	Sunday	23:21	11:22
20 January 2025	Monday	23:22	11:22
21 January 2025	Tuesday	23:22	11:23
22 January 2025	Wednesday	23:22	11:23
23 January 2025	Thursday	23:22	11:23
24 January 2025	Friday	23:23	11:24
25 January 2025	Saturday	23:23	11:24
26 January 2025	Sunday	23:23	11:24
27 January 2025	Monday	23:23	11:24
28 January 2025	Tuesday	23:23	11:25
29 January 2025	Wednesday	23:23	11:25
30 January 2025	Thursday	23:24	11:25
31 January 2025	Friday	23:24	11:25

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:24	11:25
02 February 2025	Sunday	23:24	11:25
03 February 2025	Monday	23:24	11:26
04 February 2025	Tuesday	23:24	11:26
05 February 2025	Wednesday	23:24	11:26
06 February 2025	Thursday	23:24	11:26
07 February 2025	Friday	23:24	11:26
08 February 2025	Saturday	23:24	11:26
09 February 2025	Sunday	23:24	11:26
10 February 2025	Monday	23:24	11:26
11 February 2025	Tuesday	23:24	11:26
12 February 2025	Wednesday	23:24	11:26
13 February 2025	Thursday	23:24	11:26
14 February 2025	Friday	23:24	11:26
15 February 2025	Saturday	23:24	11:26
16 February 2025	Sunday	23:24	11:26
17 February 2025	Monday	23:23	11:26
18 February 2025	Tuesday	23:23	11:26
19 February 2025	Wednesday	23:23	11:26
20 February 2025	Thursday	23:23	11:26
21 February 2025	Friday	23:23	11:26
22 February 2025	Saturday	23:23	11:26
23 February 2025	Sunday	23:23	11:26
24 February 2025	Monday	23:22	11:26
25 February 2025	Tuesday	23:22	11:26
26 February 2025	Wednesday	23:22	11:26
27 February 2025	Thursday	23:22	11:26
28 February 2025	Friday	23:21	11:26

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:21	11:25
02 March 2025	Sunday	23:21	11:25
03 March 2025	Monday	23:21	11:25
04 March 2025	Tuesday	23:20	11:25
05 March 2025	Wednesday	23:20	11:25
06 March 2025	Thursday	23:20	11:25
07 March 2025	Friday	23:20	11:24
08 March 2025	Saturday	23:19	11:24
09 March 2025	Sunday	23:19	11:24
10 March 2025	Monday	23:19	11:24
11 March 2025	Tuesday	23:18	11:24
12 March 2025	Wednesday	23:18	11:23
13 March 2025	Thursday	23:18	11:23
14 March 2025	Friday	23:17	11:23
15 March 2025	Saturday	23:17	11:23
16 March 2025	Sunday	23:17	11:23
17 March 2025	Monday	23:16	11:22
18 March 2025	Tuesday	23:16	11:22
19 March 2025	Wednesday	23:16	11:22
20 March 2025	Thursday	23:15	11:22
21 March 2025	Friday	23:15	11:21
22 March 2025	Saturday	23:14	11:21
23 March 2025	Sunday	23:14	11:21
24 March 2025	Monday	23:14	11:21
25 March 2025	Tuesday	23:13	11:21
26 March 2025	Wednesday	23:13	11:20
27 March 2025	Thursday	23:13	11:20
28 March 2025	Friday	23:12	11:20
29 March 2025	Saturday	23:12	11:20
30 March 2025	Sunday	23:12	11:19
31 March 2025	Monday	23:11	11:19

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:11	11:19
02 April 2025	Wednesday	23:11	11:19
03 April 2025	Thursday	23:10	11:18
04 April 2025	Friday	23:10	11:18
05 April 2025	Saturday	23:09	11:18
06 April 2025	Sunday	23:09	11:18
07 April 2025	Monday	23:09	11:18
08 April 2025	Tuesday	23:08	11:17
09 April 2025	Wednesday	23:08	11:17
10 April 2025	Thursday	23:08	11:17
11 April 2025	Friday	23:07	11:17
12 April 2025	Saturday	23:07	11:16
13 April 2025	Sunday	23:07	11:16
14 April 2025	Monday	23:06	11:16
15 April 2025	Tuesday	23:06	11:16
16 April 2025	Wednesday	23:06	11:16
17 April 2025	Thursday	23:06	11:16
18 April 2025	Friday	23:05	11:15
19 April 2025	Saturday	23:05	11:15
20 April 2025	Sunday	23:05	11:15
21 April 2025	Monday	23:04	11:15
22 April 2025	Tuesday	23:04	11:15
23 April 2025	Wednesday	23:04	11:15
24 April 2025	Thursday	23:04	11:15
25 April 2025	Friday	23:03	11:14
26 April 2025	Saturday	23:03	11:14
27 April 2025	Sunday	23:03	11:14
28 April 2025	Monday	23:03	11:14
29 April 2025	Tuesday	23:03	11:14
30 April 2025	Wednesday	23:02	11:14

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	23:02	11:14
02 May 2025	Friday	23:02	11:14
03 May 2025	Saturday	23:02	11:14
04 May 2025	Sunday	23:02	11:14
05 May 2025	Monday	23:02	11:14
06 May 2025	Tuesday	23:01	11:14
07 May 2025	Wednesday	23:01	11:14
08 May 2025	Thursday	23:01	11:14
09 May 2025	Friday	23:01	11:14
10 May 2025	Saturday	23:01	11:14
11 May 2025	Sunday	23:01	11:14
12 May 2025	Monday	23:01	11:14
13 May 2025	Tuesday	23:01	11:14
14 May 2025	Wednesday	23:01	11:14
15 May 2025	Thursday	23:01	11:14
16 May 2025	Friday	23:01	11:14
17 May 2025	Saturday	23:01	11:14
18 May 2025	Sunday	23:01	11:14
19 May 2025	Monday	23:01	11:14
20 May 2025	Tuesday	23:01	11:14
21 May 2025	Wednesday	23:01	11:14
22 May 2025	Thursday	23:01	11:15
23 May 2025	Friday	23:01	11:15
24 May 2025	Saturday	23:01	11:15
25 May 2025	Sunday	23:01	11:15
26 May 2025	Monday	23:01	11:15
27 May 2025	Tuesday	23:01	11:15
28 May 2025	Wednesday	23:01	11:15
29 May 2025	Thursday	23:01	11:16
30 May 2025	Friday	23:01	11:16
31 May 2025	Saturday	23:01	11:16

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	23:02	11:16
02 June 2025	Monday	23:02	11:16
03 June 2025	Tuesday	23:02	11:17
04 June 2025	Wednesday	23:02	11:17
05 June 2025	Thursday	23:02	11:17
06 June 2025	Friday	23:02	11:17
07 June 2025	Saturday	23:02	11:17
08 June 2025	Sunday	23:03	11:18
09 June 2025	Monday	23:03	11:18
10 June 2025	Tuesday	23:03	11:18
11 June 2025	Wednesday	23:03	11:18
12 June 2025	Thursday	23:03	11:18
13 June 2025	Friday	23:04	11:19
14 June 2025	Saturday	23:04	11:19
15 June 2025	Sunday	23:04	11:19
16 June 2025	Monday	23:04	11:19
17 June 2025	Tuesday	23:04	11:20
18 June 2025	Wednesday	23:05	11:20
19 June 2025	Thursday	23:05	11:20
20 June 2025	Friday	23:05	11:20
21 June 2025	Saturday	23:05	11:20
22 June 2025	Sunday	23:05	11:21
23 June 2025	Monday	23:06	11:21
24 June 2025	Tuesday	23:06	11:21
25 June 2025	Wednesday	23:06	11:21
26 June 2025	Thursday	23:06	11:21
27 June 2025	Friday	23:07	11:22
28 June 2025	Saturday	23:07	11:22
29 June 2025	Sunday	23:07	11:22
30 June 2025	Monday	23:07	11:22

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	23:07	11:22
02 July 2025	Wednesday	23:08	11:23
03 July 2025	Thursday	23:08	11:23
04 July 2025	Friday	23:08	11:23
05 July 2025	Saturday	23:08	11:23
06 July 2025	Sunday	23:08	11:23
07 July 2025	Monday	23:09	11:23
08 July 2025	Tuesday	23:09	11:23
09 July 2025	Wednesday	23:09	11:24
10 July 2025	Thursday	23:09	11:24
11 July 2025	Friday	23:09	11:24
12 July 2025	Saturday	23:09	11:24
13 July 2025	Sunday	23:10	11:24
14 July 2025	Monday	23:10	11:24
15 July 2025	Tuesday	23:10	11:24
16 July 2025	Wednesday	23:10	11:24
17 July 2025	Thursday	23:10	11:24
18 July 2025	Friday	23:10	11:24
19 July 2025	Saturday	23:10	11:24
20 July 2025	Sunday	23:10	11:24
21 July 2025	Monday	23:11	11:24
22 July 2025	Tuesday	23:11	11:24
23 July 2025	Wednesday	23:11	11:24
24 July 2025	Thursday	23:11	11:24
25 July 2025	Friday	23:11	11:24
26 July 2025	Saturday	23:11	11:24
27 July 2025	Sunday	23:11	11:24
28 July 2025	Monday	23:11	11:24
29 July 2025	Tuesday	23:11	11:24
30 July 2025	Wednesday	23:11	11:24
31 July 2025	Thursday	23:11	11:24

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:11	11:24
02 August 2025	Saturday	23:11	11:24
03 August 2025	Sunday	23:11	11:24
04 August 2025	Monday	23:11	11:23
05 August 2025	Tuesday	23:11	11:23
06 August 2025	Wednesday	23:11	11:23
07 August 2025	Thursday	23:11	11:23
08 August 2025	Friday	23:11	11:23
09 August 2025	Saturday	23:11	11:22
10 August 2025	Sunday	23:10	11:22
11 August 2025	Monday	23:10	11:22
12 August 2025	Tuesday	23:10	11:22
13 August 2025	Wednesday	23:10	11:22
14 August 2025	Thursday	23:10	11:21
15 August 2025	Friday	23:10	11:21
16 August 2025	Saturday	23:10	11:21
17 August 2025	Sunday	23:10	11:21
18 August 2025	Monday	23:09	11:20
19 August 2025	Tuesday	23:09	11:20
20 August 2025	Wednesday	23:09	11:20
21 August 2025	Thursday	23:09	11:19
22 August 2025	Friday	23:09	11:19
23 August 2025	Saturday	23:09	11:19
24 August 2025	Sunday	23:08	11:18
25 August 2025	Monday	23:08	11:18
26 August 2025	Tuesday	23:08	11:18
27 August 2025	Wednesday	23:08	11:17
28 August 2025	Thursday	23:07	11:17
29 August 2025	Friday	23:07	11:17
30 August 2025	Saturday	23:07	11:16
31 August 2025	Sunday	23:07	11:16

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:06	11:16
02 September 2025	Tuesday	23:06	11:15
03 September 2025	Wednesday	23:06	11:15
04 September 2025	Thursday	23:06	11:14
05 September 2025	Friday	23:05	11:14
06 September 2025	Saturday	23:05	11:14
07 September 2025	Sunday	23:05	11:13
08 September 2025	Monday	23:05	11:13
09 September 2025	Tuesday	23:04	11:12
10 September 2025	Wednesday	23:04	11:12
11 September 2025	Thursday	23:04	11:12
12 September 2025	Friday	23:03	11:11
13 September 2025	Saturday	23:03	11:11
14 September 2025	Sunday	23:03	11:10
15 September 2025	Monday	23:03	11:10
16 September 2025	Tuesday	23:02	11:09
17 September 2025	Wednesday	23:02	11:09
18 September 2025	Thursday	23:02	11:09
19 September 2025	Friday	23:01	11:08
20 September 2025	Saturday	23:01	11:08
21 September 2025	Sunday	23:01	11:07
22 September 2025	Monday	23:00	11:07
23 September 2025	Tuesday	23:00	11:07
24 September 2025	Wednesday	23:00	11:06
25 September 2025	Thursday	23:00	11:06
26 September 2025	Friday	22:59	11:05
27 September 2025	Saturday	22:59	11:05
28 September 2025	Sunday	22:59	11:05
29 September 2025	Monday	22:58	11:04
30 September 2025	Tuesday	22:58	11:04

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:58	11:03
02 October 2025	Thursday	22:58	11:03
03 October 2025	Friday	22:57	11:03
04 October 2025	Saturday	22:57	11:02
05 October 2025	Sunday	22:57	11:02
06 October 2025	Monday	22:57	11:02
07 October 2025	Tuesday	22:56	11:01
08 October 2025	Wednesday	22:56	11:01
09 October 2025	Thursday	22:56	11:01
10 October 2025	Friday	22:56	11:00
11 October 2025	Saturday	22:56	11:00
12 October 2025	Sunday	22:55	11:00
13 October 2025	Monday	22:55	10:59
14 October 2025	Tuesday	22:55	10:59
15 October 2025	Wednesday	22:55	10:59
16 October 2025	Thursday	22:55	10:58
17 October 2025	Friday	22:55	10:58
18 October 2025	Saturday	22:54	10:58
19 October 2025	Sunday	22:54	10:58
20 October 2025	Monday	22:54	10:57
21 October 2025	Tuesday	22:54	10:57
22 October 2025	Wednesday	22:54	10:57
23 October 2025	Thursday	22:54	10:57
24 October 2025	Friday	22:54	10:57
25 October 2025	Saturday	22:54	10:57
26 October 2025	Sunday	22:54	10:56
27 October 2025	Monday	22:54	10:56
28 October 2025	Tuesday	22:54	10:56
29 October 2025	Wednesday	22:53	10:56
30 October 2025	Thursday	22:53	10:56
31 October 2025	Friday	22:53	10:56

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:53	10:56
02 November 2025	Sunday	22:54	10:56
03 November 2025	Monday	22:54	10:56
04 November 2025	Tuesday	22:54	10:56
05 November 2025	Wednesday	22:54	10:55
06 November 2025	Thursday	22:54	10:55
07 November 2025	Friday	22:54	10:55
08 November 2025	Saturday	22:54	10:56
09 November 2025	Sunday	22:54	10:56
10 November 2025	Monday	22:54	10:56
11 November 2025	Tuesday	22:54	10:56
12 November 2025	Wednesday	22:54	10:56
13 November 2025	Thursday	22:55	10:56
14 November 2025	Friday	22:55	10:56
15 November 2025	Saturday	22:55	10:56
16 November 2025	Sunday	22:55	10:56
17 November 2025	Monday	22:55	10:56
18 November 2025	Tuesday	22:56	10:57
19 November 2025	Wednesday	22:56	10:57
20 November 2025	Thursday	22:56	10:57
21 November 2025	Friday	22:57	10:57
22 November 2025	Saturday	22:57	10:57
23 November 2025	Sunday	22:57	10:58
24 November 2025	Monday	22:57	10:58
25 November 2025	Tuesday	22:58	10:58
26 November 2025	Wednesday	22:58	10:58
27 November 2025	Thursday	22:58	10:59
28 November 2025	Friday	22:59	10:59
29 November 2025	Saturday	22:59	10:59
30 November 2025	Sunday	23:00	11:00

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	23:00	11:00
02 December 2025	Tuesday	23:00	11:00
03 December 2025	Wednesday	23:01	11:01
04 December 2025	Thursday	23:01	11:01
05 December 2025	Friday	23:02	11:02
06 December 2025	Saturday	23:02	11:02
07 December 2025	Sunday	23:02	11:02
08 December 2025	Monday	23:03	11:03
09 December 2025	Tuesday	23:03	11:03
10 December 2025	Wednesday	23:04	11:04
11 December 2025	Thursday	23:04	11:04
12 December 2025	Friday	23:05	11:05
13 December 2025	Saturday	23:05	11:05
14 December 2025	Sunday	23:06	11:05
15 December 2025	Monday	23:06	11:06
16 December 2025	Tuesday	23:07	11:06
17 December 2025	Wednesday	23:07	11:07
18 December 2025	Thursday	23:08	11:07
19 December 2025	Friday	23:08	11:08
20 December 2025	Saturday	23:09	11:08
21 December 2025	Sunday	23:09	11:09
22 December 2025	Monday	23:10	11:09
23 December 2025	Tuesday	23:10	11:10
24 December 2025	Wednesday	23:11	11:10
25 December 2025	Thursday	23:11	11:11
26 December 2025	Friday	23:12	11:11
27 December 2025	Saturday	23:12	11:12
28 December 2025	Sunday	23:13	11:12
29 December 2025	Monday	23:13	11:13
30 December 2025	Tuesday	23:14	11:13
31 December 2025	Wednesday	23:14	11:14

2.7.11 WMKN - KUALA TERENGGANU

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:17	11:06
02 January 2025	Thursday	23:17	11:06
03 January 2025	Friday	23:17	11:07
04 January 2025	Saturday	23:18	11:07
05 January 2025	Sunday	23:18	11:08
06 January 2025	Monday	23:19	11:08
07 January 2025	Tuesday	23:19	11:09
08 January 2025	Wednesday	23:19	11:09
09 January 2025	Thursday	23:20	11:10
10 January 2025	Friday	23:20	11:10
11 January 2025	Saturday	23:20	11:11
12 January 2025	Sunday	23:21	11:11
13 January 2025	Monday	23:21	11:11
14 January 2025	Tuesday	23:21	11:12
15 January 2025	Wednesday	23:22	11:12
16 January 2025	Thursday	23:22	11:13
17 January 2025	Friday	23:22	11:13
18 January 2025	Saturday	23:22	11:14
19 January 2025	Sunday	23:23	11:14
20 January 2025	Monday	23:23	11:14
21 January 2025	Tuesday	23:23	11:15
22 January 2025	Wednesday	23:23	11:15
23 January 2025	Thursday	23:23	11:15
24 January 2025	Friday	23:24	11:16
25 January 2025	Saturday	23:24	11:16
26 January 2025	Sunday	23:24	11:16
27 January 2025	Monday	23:24	11:17
28 January 2025	Tuesday	23:24	11:17
29 January 2025	Wednesday	23:24	11:17
30 January 2025	Thursday	23:24	11:18
31 January 2025	Friday	23:24	11:18

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:24	11:18
02 February 2025	Sunday	23:24	11:18
03 February 2025	Monday	23:24	11:19
04 February 2025	Tuesday	23:24	11:19
05 February 2025	Wednesday	23:24	11:19
06 February 2025	Thursday	23:24	11:19
07 February 2025	Friday	23:24	11:19
08 February 2025	Saturday	23:24	11:19
09 February 2025	Sunday	23:24	11:20
10 February 2025	Monday	23:24	11:20
11 February 2025	Tuesday	23:24	11:20
12 February 2025	Wednesday	23:24	11:20
13 February 2025	Thursday	23:23	11:20
14 February 2025	Friday	23:23	11:20
15 February 2025	Saturday	23:23	11:20
16 February 2025	Sunday	23:23	11:20
17 February 2025	Monday	23:23	11:20
18 February 2025	Tuesday	23:23	11:20
19 February 2025	Wednesday	23:22	11:21
20 February 2025	Thursday	23:22	11:21
21 February 2025	Friday	23:22	11:21
22 February 2025	Saturday	23:22	11:21
23 February 2025	Sunday	23:21	11:21
24 February 2025	Monday	23:21	11:21
25 February 2025	Tuesday	23:21	11:21
26 February 2025	Wednesday	23:20	11:21
27 February 2025	Thursday	23:20	11:20
28 February 2025	Friday	23:20	11:20

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:19	11:20
02 March 2025	Sunday	23:19	11:20
03 March 2025	Monday	23:19	11:20
04 March 2025	Tuesday	23:18	11:20
05 March 2025	Wednesday	23:18	11:20
06 March 2025	Thursday	23:18	11:20
07 March 2025	Friday	23:17	11:20
08 March 2025	Saturday	23:17	11:20
09 March 2025	Sunday	23:16	11:20
10 March 2025	Monday	23:16	11:20
11 March 2025	Tuesday	23:16	11:20
12 March 2025	Wednesday	23:15	11:19
13 March 2025	Thursday	23:15	11:19
14 March 2025	Friday	23:14	11:19
15 March 2025	Saturday	23:14	11:19
16 March 2025	Sunday	23:14	11:19
17 March 2025	Monday	23:13	11:19
18 March 2025	Tuesday	23:13	11:19
19 March 2025	Wednesday	23:12	11:18
20 March 2025	Thursday	23:12	11:18
21 March 2025	Friday	23:11	11:18
22 March 2025	Saturday	23:11	11:18
23 March 2025	Sunday	23:10	11:18
24 March 2025	Monday	23:10	11:18
25 March 2025	Tuesday	23:10	11:18
26 March 2025	Wednesday	23:09	11:17
27 March 2025	Thursday	23:09	11:17
28 March 2025	Friday	23:08	11:17
29 March 2025	Saturday	23:08	11:17
30 March 2025	Sunday	23:07	11:17
31 March 2025	Monday	23:07	11:17

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:06	11:16
02 April 2025	Wednesday	23:06	11:16
03 April 2025	Thursday	23:06	11:16
04 April 2025	Friday	23:05	11:16
05 April 2025	Saturday	23:05	11:16
06 April 2025	Sunday	23:04	11:16
07 April 2025	Monday	23:04	11:16
08 April 2025	Tuesday	23:03	11:16
09 April 2025	Wednesday	23:03	11:15
10 April 2025	Thursday	23:03	11:15
11 April 2025	Friday	23:02	11:15
12 April 2025	Saturday	23:02	11:15
13 April 2025	Sunday	23:01	11:15
14 April 2025	Monday	23:01	11:15
15 April 2025	Tuesday	23:01	11:15
16 April 2025	Wednesday	23:00	11:15
17 April 2025	Thursday	23:00	11:15
18 April 2025	Friday	22:59	11:14
19 April 2025	Saturday	22:59	11:14
20 April 2025	Sunday	22:59	11:14
21 April 2025	Monday	22:58	11:14
22 April 2025	Tuesday	22:58	11:14
23 April 2025	Wednesday	22:58	11:14
24 April 2025	Thursday	22:57	11:14
25 April 2025	Friday	22:57	11:14
26 April 2025	Saturday	22:57	11:14
27 April 2025	Sunday	22:56	11:14
28 April 2025	Monday	22:56	11:14
29 April 2025	Tuesday	22:56	11:14
30 April 2025	Wednesday	22:56	11:14

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:55	11:14
02 May 2025	Friday	22:55	11:14
03 May 2025	Saturday	22:55	11:14
04 May 2025	Sunday	22:55	11:14
05 May 2025	Monday	22:55	11:14
06 May 2025	Tuesday	22:54	11:14
07 May 2025	Wednesday	22:54	11:14
08 May 2025	Thursday	22:54	11:14
09 May 2025	Friday	22:54	11:14
10 May 2025	Saturday	22:54	11:14
11 May 2025	Sunday	22:53	11:14
12 May 2025	Monday	22:53	11:15
13 May 2025	Tuesday	22:53	11:15
14 May 2025	Wednesday	22:53	11:15
15 May 2025	Thursday	22:53	11:15
16 May 2025	Friday	22:53	11:15
17 May 2025	Saturday	22:53	11:15
18 May 2025	Sunday	22:53	11:15
19 May 2025	Monday	22:53	11:15
20 May 2025	Tuesday	22:53	11:16
21 May 2025	Wednesday	22:53	11:16
22 May 2025	Thursday	22:53	11:16
23 May 2025	Friday	22:53	11:16
24 May 2025	Saturday	22:53	11:16
25 May 2025	Sunday	22:53	11:16
26 May 2025	Monday	22:53	11:17
27 May 2025	Tuesday	22:53	11:17
28 May 2025	Wednesday	22:53	11:17
29 May 2025	Thursday	22:53	11:17
30 May 2025	Friday	22:53	11:17
31 May 2025	Saturday	22:53	11:18

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:53	11:18
02 June 2025	Monday	22:53	11:18
03 June 2025	Tuesday	22:53	11:18
04 June 2025	Wednesday	22:53	11:19
05 June 2025	Thursday	22:53	11:19
06 June 2025	Friday	22:54	11:19
07 June 2025	Saturday	22:54	11:19
08 June 2025	Sunday	22:54	11:19
09 June 2025	Monday	22:54	11:20
10 June 2025	Tuesday	22:54	11:20
11 June 2025	Wednesday	22:54	11:20
12 June 2025	Thursday	22:55	11:20
13 June 2025	Friday	22:55	11:21
14 June 2025	Saturday	22:55	11:21
15 June 2025	Sunday	22:55	11:21
16 June 2025	Monday	22:55	11:21
17 June 2025	Tuesday	22:55	11:22
18 June 2025	Wednesday	22:56	11:22
19 June 2025	Thursday	22:56	11:22
20 June 2025	Friday	22:56	11:22
21 June 2025	Saturday	22:56	11:22
22 June 2025	Sunday	22:57	11:23
23 June 2025	Monday	22:57	11:23
24 June 2025	Tuesday	22:57	11:23
25 June 2025	Wednesday	22:57	11:23
26 June 2025	Thursday	22:57	11:23
27 June 2025	Friday	22:58	11:24
28 June 2025	Saturday	22:58	11:24
29 June 2025	Sunday	22:58	11:24
30 June 2025	Monday	22:58	11:24

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:59	11:24
02 July 2025	Wednesday	22:59	11:25
03 July 2025	Thursday	22:59	11:25
04 July 2025	Friday	22:59	11:25
05 July 2025	Saturday	22:59	11:25
06 July 2025	Sunday	23:00	11:25
07 July 2025	Monday	23:00	11:25
08 July 2025	Tuesday	23:00	11:25
09 July 2025	Wednesday	23:00	11:25
10 July 2025	Thursday	23:01	11:25
11 July 2025	Friday	23:01	11:25
12 July 2025	Saturday	23:01	11:26
13 July 2025	Sunday	23:01	11:26
14 July 2025	Monday	23:01	11:26
15 July 2025	Tuesday	23:01	11:26
16 July 2025	Wednesday	23:02	11:26
17 July 2025	Thursday	23:02	11:26
18 July 2025	Friday	23:02	11:26
19 July 2025	Saturday	23:02	11:26
20 July 2025	Sunday	23:02	11:26
21 July 2025	Monday	23:02	11:26
22 July 2025	Tuesday	23:03	11:26
23 July 2025	Wednesday	23:03	11:26
24 July 2025	Thursday	23:03	11:25
25 July 2025	Friday	23:03	11:25
26 July 2025	Saturday	23:03	11:25
27 July 2025	Sunday	23:03	11:25
28 July 2025	Monday	23:03	11:25
29 July 2025	Tuesday	23:03	11:25
30 July 2025	Wednesday	23:03	11:25
31 July 2025	Thursday	23:03	11:25

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:03	11:24
02 August 2025	Saturday	23:03	11:24
03 August 2025	Sunday	23:04	11:24
04 August 2025	Monday	23:04	11:24
05 August 2025	Tuesday	23:04	11:24
06 August 2025	Wednesday	23:04	11:23
07 August 2025	Thursday	23:04	11:23
08 August 2025	Friday	23:04	11:23
09 August 2025	Saturday	23:04	11:23
10 August 2025	Sunday	23:04	11:22
11 August 2025	Monday	23:04	11:22
12 August 2025	Tuesday	23:03	11:22
13 August 2025	Wednesday	23:03	11:21
14 August 2025	Thursday	23:03	11:21
15 August 2025	Friday	23:03	11:21
16 August 2025	Saturday	23:03	11:20
17 August 2025	Sunday	23:03	11:20
18 August 2025	Monday	23:03	11:20
19 August 2025	Tuesday	23:03	11:19
20 August 2025	Wednesday	23:03	11:19
21 August 2025	Thursday	23:03	11:19
22 August 2025	Friday	23:03	11:18
23 August 2025	Saturday	23:03	11:18
24 August 2025	Sunday	23:02	11:17
25 August 2025	Monday	23:02	11:17
26 August 2025	Tuesday	23:02	11:17
27 August 2025	Wednesday	23:02	11:16
28 August 2025	Thursday	23:02	11:16
29 August 2025	Friday	23:02	11:15
30 August 2025	Saturday	23:02	11:15
31 August 2025	Sunday	23:01	11:14

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:01	11:14
02 September 2025	Tuesday	23:01	11:14
03 September 2025	Wednesday	23:01	11:13
04 September 2025	Thursday	23:01	11:13
05 September 2025	Friday	23:00	11:12
06 September 2025	Saturday	23:00	11:12
07 September 2025	Sunday	23:00	11:11
08 September 2025	Monday	23:00	11:11
09 September 2025	Tuesday	23:00	11:10
10 September 2025	Wednesday	22:59	11:10
11 September 2025	Thursday	22:59	11:09
12 September 2025	Friday	22:59	11:09
13 September 2025	Saturday	22:59	11:08
14 September 2025	Sunday	22:59	11:08
15 September 2025	Monday	22:58	11:07
16 September 2025	Tuesday	22:58	11:07
17 September 2025	Wednesday	22:58	11:06
18 September 2025	Thursday	22:58	11:06
19 September 2025	Friday	22:58	11:05
20 September 2025	Saturday	22:57	11:05
21 September 2025	Sunday	22:57	11:04
22 September 2025	Monday	22:57	11:04
23 September 2025	Tuesday	22:57	11:03
24 September 2025	Wednesday	22:57	11:03
25 September 2025	Thursday	22:56	11:02
26 September 2025	Friday	22:56	11:02
27 September 2025	Saturday	22:56	11:01
28 September 2025	Sunday	22:56	11:01
29 September 2025	Monday	22:56	11:00
30 September 2025	Tuesday	22:55	11:00

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:55	10:59
02 October 2025	Thursday	22:55	10:59
03 October 2025	Friday	22:55	10:58
04 October 2025	Saturday	22:55	10:58
05 October 2025	Sunday	22:55	10:57
06 October 2025	Monday	22:54	10:57
07 October 2025	Tuesday	22:54	10:57
08 October 2025	Wednesday	22:54	10:56
09 October 2025	Thursday	22:54	10:56
10 October 2025	Friday	22:54	10:55
11 October 2025	Saturday	22:54	10:55
12 October 2025	Sunday	22:54	10:55
13 October 2025	Monday	22:53	10:54
14 October 2025	Tuesday	22:53	10:54
15 October 2025	Wednesday	22:53	10:53
16 October 2025	Thursday	22:53	10:53
17 October 2025	Friday	22:53	10:53
18 October 2025	Saturday	22:53	10:52
19 October 2025	Sunday	22:53	10:52
20 October 2025	Monday	22:53	10:52
21 October 2025	Tuesday	22:53	10:51
22 October 2025	Wednesday	22:53	10:51
23 October 2025	Thursday	22:53	10:51
24 October 2025	Friday	22:53	10:51
25 October 2025	Saturday	22:53	10:50
26 October 2025	Sunday	22:53	10:50
27 October 2025	Monday	22:53	10:50
28 October 2025	Tuesday	22:53	10:50
29 October 2025	Wednesday	22:53	10:50
30 October 2025	Thursday	22:53	10:49
31 October 2025	Friday	22:53	10:49

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:53	10:49
02 November 2025	Sunday	22:53	10:49
03 November 2025	Monday	22:53	10:49
04 November 2025	Tuesday	22:54	10:49
05 November 2025	Wednesday	22:54	10:49
06 November 2025	Thursday	22:54	10:48
07 November 2025	Friday	22:54	10:48
08 November 2025	Saturday	22:54	10:48
09 November 2025	Sunday	22:54	10:48
10 November 2025	Monday	22:55	10:48
11 November 2025	Tuesday	22:55	10:48
12 November 2025	Wednesday	22:55	10:48
13 November 2025	Thursday	22:55	10:48
14 November 2025	Friday	22:56	10:48
15 November 2025	Saturday	22:56	10:48
16 November 2025	Sunday	22:56	10:49
17 November 2025	Monday	22:56	10:49
18 November 2025	Tuesday	22:57	10:49
19 November 2025	Wednesday	22:57	10:49
20 November 2025	Thursday	22:57	10:49
21 November 2025	Friday	22:58	10:49
22 November 2025	Saturday	22:58	10:49
23 November 2025	Sunday	22:58	10:50
24 November 2025	Monday	22:59	10:50
25 November 2025	Tuesday	22:59	10:50
26 November 2025	Wednesday	22:59	10:50
27 November 2025	Thursday	23:00	10:50
28 November 2025	Friday	23:00	10:51
29 November 2025	Saturday	23:01	10:51
30 November 2025	Sunday	23:01	10:51

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	23:02	10:52
02 December 2025	Tuesday	23:02	10:52
03 December 2025	Wednesday	23:02	10:52
04 December 2025	Thursday	23:03	10:53
05 December 2025	Friday	23:03	10:53
06 December 2025	Saturday	23:04	10:53
07 December 2025	Sunday	23:04	10:54
08 December 2025	Monday	23:05	10:54
09 December 2025	Tuesday	23:05	10:55
10 December 2025	Wednesday	23:06	10:55
11 December 2025	Thursday	23:06	10:55
12 December 2025	Friday	23:07	10:56
13 December 2025	Saturday	23:07	10:56
14 December 2025	Sunday	23:08	10:57
15 December 2025	Monday	23:08	10:57
16 December 2025	Tuesday	23:09	10:58
17 December 2025	Wednesday	23:09	10:58
18 December 2025	Thursday	23:10	10:59
19 December 2025	Friday	23:10	10:59
20 December 2025	Saturday	23:11	11:00
21 December 2025	Sunday	23:11	11:00
22 December 2025	Monday	23:12	11:01
23 December 2025	Tuesday	23:12	11:01
24 December 2025	Wednesday	23:13	11:02
25 December 2025	Thursday	23:13	11:02
26 December 2025	Friday	23:14	11:03
27 December 2025	Saturday	23:14	11:03
28 December 2025	Sunday	23:15	11:04
29 December 2025	Monday	23:15	11:04
30 December 2025	Tuesday	23:16	11:05
31 December 2025	Wednesday	23:16	11:05

2.7.12 WMKP - PENANG INTERNATIONAL AIRPORT

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:28	11:17
02 January 2025	Thursday	23:28	11:18
03 January 2025	Friday	23:29	11:18
04 January 2025	Saturday	23:29	11:19
05 January 2025	Sunday	23:29	11:19
06 January 2025	Monday	23:30	11:20
07 January 2025	Tuesday	23:30	11:20
08 January 2025	Wednesday	23:31	11:21
09 January 2025	Thursday	23:31	11:21
10 January 2025	Friday	23:31	11:22
11 January 2025	Saturday	23:32	11:22
12 January 2025	Sunday	23:32	11:22
13 January 2025	Monday	23:32	11:23
14 January 2025	Tuesday	23:33	11:23
15 January 2025	Wednesday	23:33	11:24
16 January 2025	Thursday	23:33	11:24
17 January 2025	Friday	23:33	11:25
18 January 2025	Saturday	23:34	11:25
19 January 2025	Sunday	23:34	11:25
20 January 2025	Monday	23:34	11:26
21 January 2025	Tuesday	23:34	11:26
22 January 2025	Wednesday	23:34	11:27
23 January 2025	Thursday	23:35	11:27
24 January 2025	Friday	23:35	11:27
25 January 2025	Saturday	23:35	11:28
26 January 2025	Sunday	23:35	11:28
27 January 2025	Monday	23:35	11:28
28 January 2025	Tuesday	23:35	11:28
29 January 2025	Wednesday	23:35	11:29
30 January 2025	Thursday	23:35	11:29
31 January 2025	Friday	23:35	11:29

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:35	11:29
02 February 2025	Sunday	23:35	11:30
03 February 2025	Monday	23:35	11:30
04 February 2025	Tuesday	23:35	11:30
05 February 2025	Wednesday	23:35	11:30
06 February 2025	Thursday	23:35	11:31
07 February 2025	Friday	23:35	11:31
08 February 2025	Saturday	23:35	11:31
09 February 2025	Sunday	23:35	11:31
10 February 2025	Monday	23:35	11:31
11 February 2025	Tuesday	23:35	11:31
12 February 2025	Wednesday	23:35	11:31
13 February 2025	Thursday	23:35	11:32
14 February 2025	Friday	23:35	11:32
15 February 2025	Saturday	23:34	11:32
16 February 2025	Sunday	23:34	11:32
17 February 2025	Monday	23:34	11:32
18 February 2025	Tuesday	23:34	11:32
19 February 2025	Wednesday	23:34	11:32
20 February 2025	Thursday	23:33	11:32
21 February 2025	Friday	23:33	11:32
22 February 2025	Saturday	23:33	11:32
23 February 2025	Sunday	23:33	11:32
24 February 2025	Monday	23:32	11:32
25 February 2025	Tuesday	23:32	11:32
26 February 2025	Wednesday	23:32	11:32
27 February 2025	Thursday	23:31	11:32
28 February 2025	Friday	23:31	11:32

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:31	11:32
02 March 2025	Sunday	23:30	11:32
03 March 2025	Monday	23:30	11:32
04 March 2025	Tuesday	23:30	11:32
05 March 2025	Wednesday	23:29	11:31
06 March 2025	Thursday	23:29	11:31
07 March 2025	Friday	23:29	11:31
08 March 2025	Saturday	23:28	11:31
09 March 2025	Sunday	23:28	11:31
10 March 2025	Monday	23:27	11:31
11 March 2025	Tuesday	23:27	11:31
12 March 2025	Wednesday	23:27	11:31
13 March 2025	Thursday	23:26	11:31
14 March 2025	Friday	23:26	11:30
15 March 2025	Saturday	23:25	11:30
16 March 2025	Sunday	23:25	11:30
17 March 2025	Monday	23:24	11:30
18 March 2025	Tuesday	23:24	11:30
19 March 2025	Wednesday	23:24	11:30
20 March 2025	Thursday	23:23	11:30
21 March 2025	Friday	23:23	11:29
22 March 2025	Saturday	23:22	11:29
23 March 2025	Sunday	23:22	11:29
24 March 2025	Monday	23:21	11:29
25 March 2025	Tuesday	23:21	11:29
26 March 2025	Wednesday	23:20	11:29
27 March 2025	Thursday	23:20	11:29
28 March 2025	Friday	23:20	11:28
29 March 2025	Saturday	23:19	11:28
30 March 2025	Sunday	23:19	11:28
31 March 2025	Monday	23:18	11:28

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:18	11:28
02 April 2025	Wednesday	23:17	11:28
03 April 2025	Thursday	23:17	11:27
04 April 2025	Friday	23:16	11:27
05 April 2025	Saturday	23:16	11:27
06 April 2025	Sunday	23:16	11:27
07 April 2025	Monday	23:15	11:27
08 April 2025	Tuesday	23:15	11:27
09 April 2025	Wednesday	23:14	11:27
10 April 2025	Thursday	23:14	11:27
11 April 2025	Friday	23:14	11:26
12 April 2025	Saturday	23:13	11:26
13 April 2025	Sunday	23:13	11:26
14 April 2025	Monday	23:12	11:26
15 April 2025	Tuesday	23:12	11:26
16 April 2025	Wednesday	23:12	11:26
17 April 2025	Thursday	23:11	11:26
18 April 2025	Friday	23:11	11:26
19 April 2025	Saturday	23:10	11:26
20 April 2025	Sunday	23:10	11:26
21 April 2025	Monday	23:10	11:25
22 April 2025	Tuesday	23:09	11:25
23 April 2025	Wednesday	23:09	11:25
24 April 2025	Thursday	23:09	11:25
25 April 2025	Friday	23:08	11:25
26 April 2025	Saturday	23:08	11:25
27 April 2025	Sunday	23:08	11:25
28 April 2025	Monday	23:08	11:25
29 April 2025	Tuesday	23:07	11:25
30 April 2025	Wednesday	23:07	11:25

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	23:07	11:25
02 May 2025	Friday	23:07	11:25
03 May 2025	Saturday	23:06	11:25
04 May 2025	Sunday	23:06	11:25
05 May 2025	Monday	23:06	11:25
06 May 2025	Tuesday	23:06	11:25
07 May 2025	Wednesday	23:06	11:25
08 May 2025	Thursday	23:05	11:25
09 May 2025	Friday	23:05	11:26
10 May 2025	Saturday	23:05	11:26
11 May 2025	Sunday	23:05	11:26
12 May 2025	Monday	23:05	11:26
13 May 2025	Tuesday	23:05	11:26
14 May 2025	Wednesday	23:05	11:26
15 May 2025	Thursday	23:04	11:26
16 May 2025	Friday	23:04	11:26
17 May 2025	Saturday	23:04	11:26
18 May 2025	Sunday	23:04	11:26
19 May 2025	Monday	23:04	11:27
20 May 2025	Tuesday	23:04	11:27
21 May 2025	Wednesday	23:04	11:27
22 May 2025	Thursday	23:04	11:27
23 May 2025	Friday	23:04	11:27
24 May 2025	Saturday	23:04	11:27
25 May 2025	Sunday	23:04	11:28
26 May 2025	Monday	23:04	11:28
27 May 2025	Tuesday	23:04	11:28
28 May 2025	Wednesday	23:04	11:28
29 May 2025	Thursday	23:04	11:28
30 May 2025	Friday	23:04	11:29
31 May 2025	Saturday	23:04	11:29

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	23:04	11:29
02 June 2025	Monday	23:05	11:29
03 June 2025	Tuesday	23:05	11:29
04 June 2025	Wednesday	23:05	11:30
05 June 2025	Thursday	23:05	11:30
06 June 2025	Friday	23:05	11:30
07 June 2025	Saturday	23:05	11:30
08 June 2025	Sunday	23:05	11:31
09 June 2025	Monday	23:05	11:31
10 June 2025	Tuesday	23:06	11:31
11 June 2025	Wednesday	23:06	11:31
12 June 2025	Thursday	23:06	11:32
13 June 2025	Friday	23:06	11:32
14 June 2025	Saturday	23:06	11:32
15 June 2025	Sunday	23:07	11:32
16 June 2025	Monday	23:07	11:32
17 June 2025	Tuesday	23:07	11:33
18 June 2025	Wednesday	23:07	11:33
19 June 2025	Thursday	23:07	11:33
20 June 2025	Friday	23:08	11:33
21 June 2025	Saturday	23:08	11:34
22 June 2025	Sunday	23:08	11:34
23 June 2025	Monday	23:08	11:34
24 June 2025	Tuesday	23:08	11:34
25 June 2025	Wednesday	23:09	11:34
26 June 2025	Thursday	23:09	11:35
27 June 2025	Friday	23:09	11:35
28 June 2025	Saturday	23:09	11:35
29 June 2025	Sunday	23:10	11:35
30 June 2025	Monday	23:10	11:35

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	23:10	11:36
02 July 2025	Wednesday	23:10	11:36
03 July 2025	Thursday	23:11	11:36
04 July 2025	Friday	23:11	11:36
05 July 2025	Saturday	23:11	11:36
06 July 2025	Sunday	23:11	11:36
07 July 2025	Monday	23:11	11:36
08 July 2025	Tuesday	23:12	11:36
09 July 2025	Wednesday	23:12	11:37
10 July 2025	Thursday	23:12	11:37
11 July 2025	Friday	23:12	11:37
12 July 2025	Saturday	23:12	11:37
13 July 2025	Sunday	23:13	11:37
14 July 2025	Monday	23:13	11:37
15 July 2025	Tuesday	23:13	11:37
16 July 2025	Wednesday	23:13	11:37
17 July 2025	Thursday	23:13	11:37
18 July 2025	Friday	23:13	11:37
19 July 2025	Saturday	23:14	11:37
20 July 2025	Sunday	23:14	11:37
21 July 2025	Monday	23:14	11:37
22 July 2025	Tuesday	23:14	11:37
23 July 2025	Wednesday	23:14	11:37
24 July 2025	Thursday	23:14	11:37
25 July 2025	Friday	23:14	11:37
26 July 2025	Saturday	23:14	11:36
27 July 2025	Sunday	23:15	11:36
28 July 2025	Monday	23:15	11:36
29 July 2025	Tuesday	23:15	11:36
30 July 2025	Wednesday	23:15	11:36
31 July 2025	Thursday	23:15	11:36

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:15	11:36
02 August 2025	Saturday	23:15	11:35
03 August 2025	Sunday	23:15	11:35
04 August 2025	Monday	23:15	11:35
05 August 2025	Tuesday	23:15	11:35
06 August 2025	Wednesday	23:15	11:35
07 August 2025	Thursday	23:15	11:34
08 August 2025	Friday	23:15	11:34
09 August 2025	Saturday	23:15	11:34
10 August 2025	Sunday	23:15	11:34
11 August 2025	Monday	23:15	11:33
12 August 2025	Tuesday	23:15	11:33
13 August 2025	Wednesday	23:15	11:33
14 August 2025	Thursday	23:15	11:32
15 August 2025	Friday	23:15	11:32
16 August 2025	Saturday	23:15	11:32
17 August 2025	Sunday	23:15	11:31
18 August 2025	Monday	23:14	11:31
19 August 2025	Tuesday	23:14	11:31
20 August 2025	Wednesday	23:14	11:30
21 August 2025	Thursday	23:14	11:30
22 August 2025	Friday	23:14	11:30
23 August 2025	Saturday	23:14	11:29
24 August 2025	Sunday	23:14	11:29
25 August 2025	Monday	23:14	11:28
26 August 2025	Tuesday	23:14	11:28
27 August 2025	Wednesday	23:13	11:27
28 August 2025	Thursday	23:13	11:27
29 August 2025	Friday	23:13	11:27
30 August 2025	Saturday	23:13	11:26
31 August 2025	Sunday	23:13	11:26

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:13	11:25
02 September 2025	Tuesday	23:12	11:25
03 September 2025	Wednesday	23:12	11:24
04 September 2025	Thursday	23:12	11:24
05 September 2025	Friday	23:12	11:23
06 September 2025	Saturday	23:12	11:23
07 September 2025	Sunday	23:11	11:22
08 September 2025	Monday	23:11	11:22
09 September 2025	Tuesday	23:11	11:21
10 September 2025	Wednesday	23:11	11:21
11 September 2025	Thursday	23:11	11:20
12 September 2025	Friday	23:10	11:20
13 September 2025	Saturday	23:10	11:19
14 September 2025	Sunday	23:10	11:19
15 September 2025	Monday	23:10	11:18
16 September 2025	Tuesday	23:10	11:18
17 September 2025	Wednesday	23:09	11:17
18 September 2025	Thursday	23:09	11:17
19 September 2025	Friday	23:09	11:16
20 September 2025	Saturday	23:09	11:16
21 September 2025	Sunday	23:08	11:15
22 September 2025	Monday	23:08	11:15
23 September 2025	Tuesday	23:08	11:14
24 September 2025	Wednesday	23:08	11:14
25 September 2025	Thursday	23:08	11:13
26 September 2025	Friday	23:07	11:13
27 September 2025	Saturday	23:07	11:12
28 September 2025	Sunday	23:07	11:12
29 September 2025	Monday	23:07	11:12
30 September 2025	Tuesday	23:07	11:11

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	23:07	11:11
02 October 2025	Thursday	23:06	11:10
03 October 2025	Friday	23:06	11:10
04 October 2025	Saturday	23:06	11:09
05 October 2025	Sunday	23:06	11:09
06 October 2025	Monday	23:06	11:08
07 October 2025	Tuesday	23:06	11:08
08 October 2025	Wednesday	23:05	11:07
09 October 2025	Thursday	23:05	11:07
10 October 2025	Friday	23:05	11:07
11 October 2025	Saturday	23:05	11:06
12 October 2025	Sunday	23:05	11:06
13 October 2025	Monday	23:05	11:05
14 October 2025	Tuesday	23:05	11:05
15 October 2025	Wednesday	23:05	11:05
16 October 2025	Thursday	23:04	11:04
17 October 2025	Friday	23:04	11:04
18 October 2025	Saturday	23:04	11:04
19 October 2025	Sunday	23:04	11:03
20 October 2025	Monday	23:04	11:03
21 October 2025	Tuesday	23:04	11:03
22 October 2025	Wednesday	23:04	11:03
23 October 2025	Thursday	23:04	11:02
24 October 2025	Friday	23:04	11:02
25 October 2025	Saturday	23:04	11:02
26 October 2025	Sunday	23:04	11:02
27 October 2025	Monday	23:04	11:01
28 October 2025	Tuesday	23:04	11:01
29 October 2025	Wednesday	23:04	11:01
30 October 2025	Thursday	23:04	11:01
31 October 2025	Friday	23:04	11:01

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	23:05	11:00
02 November 2025	Sunday	23:05	11:00
03 November 2025	Monday	23:05	11:00
04 November 2025	Tuesday	23:05	11:00
05 November 2025	Wednesday	23:05	11:00
06 November 2025	Thursday	23:05	11:00
07 November 2025	Friday	23:05	11:00
08 November 2025	Saturday	23:05	11:00
09 November 2025	Sunday	23:06	11:00
10 November 2025	Monday	23:06	11:00
11 November 2025	Tuesday	23:06	11:00
12 November 2025	Wednesday	23:06	11:00
13 November 2025	Thursday	23:07	11:00
14 November 2025	Friday	23:07	11:00
15 November 2025	Saturday	23:07	11:00
16 November 2025	Sunday	23:07	11:00
17 November 2025	Monday	23:08	11:00
18 November 2025	Tuesday	23:08	11:00
19 November 2025	Wednesday	23:08	11:00
20 November 2025	Thursday	23:09	11:00
21 November 2025	Friday	23:09	11:01
22 November 2025	Saturday	23:09	11:01
23 November 2025	Sunday	23:10	11:01
24 November 2025	Monday	23:10	11:01
25 November 2025	Tuesday	23:10	11:01
26 November 2025	Wednesday	23:11	11:02
27 November 2025	Thursday	23:11	11:02
28 November 2025	Friday	23:11	11:02
29 November 2025	Saturday	23:12	11:02
30 November 2025	Sunday	23:12	11:03

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	23:13	11:03
02 December 2025	Tuesday	23:13	11:03
03 December 2025	Wednesday	23:14	11:04
04 December 2025	Thursday	23:14	11:04
05 December 2025	Friday	23:15	11:04
06 December 2025	Saturday	23:15	11:05
07 December 2025	Sunday	23:15	11:05
08 December 2025	Monday	23:16	11:06
09 December 2025	Tuesday	23:16	11:06
10 December 2025	Wednesday	23:17	11:06
11 December 2025	Thursday	23:17	11:07
12 December 2025	Friday	23:18	11:07
13 December 2025	Saturday	23:18	11:08
14 December 2025	Sunday	23:19	11:08
15 December 2025	Monday	23:19	11:09
16 December 2025	Tuesday	23:20	11:09
17 December 2025	Wednesday	23:20	11:10
18 December 2025	Thursday	23:21	11:10
19 December 2025	Friday	23:21	11:11
20 December 2025	Saturday	23:22	11:11
21 December 2025	Sunday	23:22	11:11
22 December 2025	Monday	23:23	11:12
23 December 2025	Tuesday	23:23	11:13
24 December 2025	Wednesday	23:24	11:13
25 December 2025	Thursday	23:24	11:14
26 December 2025	Friday	23:25	11:14
27 December 2025	Saturday	23:25	11:15
28 December 2025	Sunday	23:26	11:15
29 December 2025	Monday	23:26	11:16
30 December 2025	Tuesday	23:27	11:16
31 December 2025	Wednesday	23:27	11:17

2.7.13 WMSA - SUBANG/SULTAN ABDUL AZIZ SHAH

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:19	11:16
02 January 2025	Thursday	23:19	11:16
03 January 2025	Friday	23:20	11:17
04 January 2025	Saturday	23:20	11:17
05 January 2025	Sunday	23:21	11:18
06 January 2025	Monday	23:21	11:18
07 January 2025	Tuesday	23:22	11:19
08 January 2025	Wednesday	23:22	11:19
09 January 2025	Thursday	23:22	11:20
10 January 2025	Friday	23:23	11:20
11 January 2025	Saturday	23:23	11:20
12 January 2025	Sunday	23:23	11:21
13 January 2025	Monday	23:24	11:21
14 January 2025	Tuesday	23:24	11:22
15 January 2025	Wednesday	23:24	11:22
16 January 2025	Thursday	23:25	11:22
17 January 2025	Friday	23:25	11:23
18 January 2025	Saturday	23:25	11:23
19 January 2025	Sunday	23:25	11:23
20 January 2025	Monday	23:26	11:24
21 January 2025	Tuesday	23:26	11:24
22 January 2025	Wednesday	23:26	11:24
23 January 2025	Thursday	23:26	11:25
24 January 2025	Friday	23:27	11:25
25 January 2025	Saturday	23:27	11:25
26 January 2025	Sunday	23:27	11:26
27 January 2025	Monday	23:27	11:26
28 January 2025	Tuesday	23:27	11:26
29 January 2025	Wednesday	23:27	11:26
30 January 2025	Thursday	23:27	11:27
31 January 2025	Friday	23:28	11:27

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:28	11:27
02 February 2025	Sunday	23:28	11:27
03 February 2025	Monday	23:28	11:27
04 February 2025	Tuesday	23:28	11:28
05 February 2025	Wednesday	23:28	11:28
06 February 2025	Thursday	23:28	11:28
07 February 2025	Friday	23:28	11:28
08 February 2025	Saturday	23:28	11:28
09 February 2025	Sunday	23:28	11:28
10 February 2025	Monday	23:28	11:28
11 February 2025	Tuesday	23:28	11:28
12 February 2025	Wednesday	23:28	11:28
13 February 2025	Thursday	23:28	11:28
14 February 2025	Friday	23:27	11:28
15 February 2025	Saturday	23:27	11:28
16 February 2025	Sunday	23:27	11:29
17 February 2025	Monday	23:27	11:29
18 February 2025	Tuesday	23:27	11:28
19 February 2025	Wednesday	23:27	11:28
20 February 2025	Thursday	23:27	11:28
21 February 2025	Friday	23:26	11:28
22 February 2025	Saturday	23:26	11:28
23 February 2025	Sunday	23:26	11:28
24 February 2025	Monday	23:26	11:28
25 February 2025	Tuesday	23:25	11:28
26 February 2025	Wednesday	23:25	11:28
27 February 2025	Thursday	23:25	11:28
28 February 2025	Friday	23:25	11:28

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:24	11:28
02 March 2025	Sunday	23:24	11:28
03 March 2025	Monday	23:24	11:28
04 March 2025	Tuesday	23:24	11:27
05 March 2025	Wednesday	23:23	11:27
06 March 2025	Thursday	23:23	11:27
07 March 2025	Friday	23:23	11:27
08 March 2025	Saturday	23:22	11:27
09 March 2025	Sunday	23:22	11:27
10 March 2025	Monday	23:22	11:26
11 March 2025	Tuesday	23:21	11:26
12 March 2025	Wednesday	23:21	11:26
13 March 2025	Thursday	23:21	11:26
14 March 2025	Friday	23:20	11:26
15 March 2025	Saturday	23:20	11:26
16 March 2025	Sunday	23:20	11:25
17 March 2025	Monday	23:19	11:25
18 March 2025	Tuesday	23:19	11:25
19 March 2025	Wednesday	23:18	11:25
20 March 2025	Thursday	23:18	11:24
21 March 2025	Friday	23:18	11:24
22 March 2025	Saturday	23:17	11:24
23 March 2025	Sunday	23:17	11:24
24 March 2025	Monday	23:16	11:24
25 March 2025	Tuesday	23:16	11:23
26 March 2025	Wednesday	23:16	11:23
27 March 2025	Thursday	23:15	11:23
28 March 2025	Friday	23:15	11:23
29 March 2025	Saturday	23:15	11:23
30 March 2025	Sunday	23:14	11:22
31 March 2025	Monday	23:14	11:22

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:13	11:22
02 April 2025	Wednesday	23:13	11:22
03 April 2025	Thursday	23:13	11:22
04 April 2025	Friday	23:12	11:21
05 April 2025	Saturday	23:12	11:21
06 April 2025	Sunday	23:11	11:21
07 April 2025	Monday	23:11	11:21
08 April 2025	Tuesday	23:11	11:21
09 April 2025	Wednesday	23:10	11:20
10 April 2025	Thursday	23:10	11:20
11 April 2025	Friday	23:10	11:20
12 April 2025	Saturday	23:09	11:20
13 April 2025	Sunday	23:09	11:20
14 April 2025	Monday	23:09	11:19
15 April 2025	Tuesday	23:08	11:19
16 April 2025	Wednesday	23:08	11:19
17 April 2025	Thursday	23:08	11:19
18 April 2025	Friday	23:07	11:19
19 April 2025	Saturday	23:07	11:19
20 April 2025	Sunday	23:07	11:19
21 April 2025	Monday	23:06	11:18
22 April 2025	Tuesday	23:06	11:18
23 April 2025	Wednesday	23:06	11:18
24 April 2025	Thursday	23:06	11:18
25 April 2025	Friday	23:05	11:18
26 April 2025	Saturday	23:05	11:18
27 April 2025	Sunday	23:05	11:18
28 April 2025	Monday	23:05	11:18
29 April 2025	Tuesday	23:04	11:18
30 April 2025	Wednesday	23:04	11:18

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	23:04	11:18
02 May 2025	Friday	23:04	11:18
03 May 2025	Saturday	23:04	11:18
04 May 2025	Sunday	23:04	11:18
05 May 2025	Monday	23:03	11:18
06 May 2025	Tuesday	23:03	11:18
07 May 2025	Wednesday	23:03	11:18
08 May 2025	Thursday	23:03	11:18
09 May 2025	Friday	23:03	11:18
10 May 2025	Saturday	23:03	11:18
11 May 2025	Sunday	23:03	11:18
12 May 2025	Monday	23:03	11:18
13 May 2025	Tuesday	23:02	11:18
14 May 2025	Wednesday	23:02	11:18
15 May 2025	Thursday	23:02	11:18
16 May 2025	Friday	23:02	11:18
17 May 2025	Saturday	23:02	11:18
18 May 2025	Sunday	23:02	11:18
19 May 2025	Monday	23:02	11:18
20 May 2025	Tuesday	23:02	11:18
21 May 2025	Wednesday	23:02	11:19
22 May 2025	Thursday	23:02	11:19
23 May 2025	Friday	23:02	11:19
24 May 2025	Saturday	23:02	11:19
25 May 2025	Sunday	23:02	11:19
26 May 2025	Monday	23:02	11:19
27 May 2025	Tuesday	23:02	11:19
28 May 2025	Wednesday	23:03	11:20
29 May 2025	Thursday	23:03	11:20
30 May 2025	Friday	23:03	11:20
31 May 2025	Saturday	23:03	11:20

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	23:03	11:20
02 June 2025	Monday	23:03	11:21
03 June 2025	Tuesday	23:03	11:21
04 June 2025	Wednesday	23:03	11:21
05 June 2025	Thursday	23:03	11:21
06 June 2025	Friday	23:04	11:21
07 June 2025	Saturday	23:04	11:22
08 June 2025	Sunday	23:04	11:22
09 June 2025	Monday	23:04	11:22
10 June 2025	Tuesday	23:04	11:22
11 June 2025	Wednesday	23:04	11:22
12 June 2025	Thursday	23:05	11:23
13 June 2025	Friday	23:05	11:23
14 June 2025	Saturday	23:05	11:23
15 June 2025	Sunday	23:05	11:23
16 June 2025	Monday	23:05	11:24
17 June 2025	Tuesday	23:06	11:24
18 June 2025	Wednesday	23:06	11:24
19 June 2025	Thursday	23:06	11:24
20 June 2025	Friday	23:06	11:24
21 June 2025	Saturday	23:06	11:25
22 June 2025	Sunday	23:07	11:25
23 June 2025	Monday	23:07	11:25
24 June 2025	Tuesday	23:07	11:25
25 June 2025	Wednesday	23:07	11:26
26 June 2025	Thursday	23:08	11:26
27 June 2025	Friday	23:08	11:26
28 June 2025	Saturday	23:08	11:26
29 June 2025	Sunday	23:08	11:26
30 June 2025	Monday	23:08	11:27

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	23:09	11:27
02 July 2025	Wednesday	23:09	11:27
03 July 2025	Thursday	23:09	11:27
04 July 2025	Friday	23:09	11:27
05 July 2025	Saturday	23:10	11:27
06 July 2025	Sunday	23:10	11:27
07 July 2025	Monday	23:10	11:28
08 July 2025	Tuesday	23:10	11:28
09 July 2025	Wednesday	23:10	11:28
10 July 2025	Thursday	23:10	11:28
11 July 2025	Friday	23:11	11:28
12 July 2025	Saturday	23:11	11:28
13 July 2025	Sunday	23:11	11:28
14 July 2025	Monday	23:11	11:28
15 July 2025	Tuesday	23:11	11:28
16 July 2025	Wednesday	23:11	11:28
17 July 2025	Thursday	23:12	11:28
18 July 2025	Friday	23:12	11:28
19 July 2025	Saturday	23:12	11:28
20 July 2025	Sunday	23:12	11:28
21 July 2025	Monday	23:12	11:28
22 July 2025	Tuesday	23:12	11:28
23 July 2025	Wednesday	23:12	11:28
24 July 2025	Thursday	23:12	11:28
25 July 2025	Friday	23:12	11:28
26 July 2025	Saturday	23:12	11:28
27 July 2025	Sunday	23:12	11:28
28 July 2025	Monday	23:13	11:28
29 July 2025	Tuesday	23:13	11:28
30 July 2025	Wednesday	23:13	11:28
31 July 2025	Thursday	23:13	11:28

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:13	11:28
02 August 2025	Saturday	23:13	11:28
03 August 2025	Sunday	23:13	11:27
04 August 2025	Monday	23:13	11:27
05 August 2025	Tuesday	23:13	11:27
06 August 2025	Wednesday	23:13	11:27
07 August 2025	Thursday	23:12	11:27
08 August 2025	Friday	23:12	11:26
09 August 2025	Saturday	23:12	11:26
10 August 2025	Sunday	23:12	11:26
11 August 2025	Monday	23:12	11:26
12 August 2025	Tuesday	23:12	11:26
13 August 2025	Wednesday	23:12	11:25
14 August 2025	Thursday	23:12	11:25
15 August 2025	Friday	23:12	11:25
16 August 2025	Saturday	23:12	11:24
17 August 2025	Sunday	23:12	11:24
18 August 2025	Monday	23:11	11:24
19 August 2025	Tuesday	23:11	11:24
20 August 2025	Wednesday	23:11	11:23
21 August 2025	Thursday	23:11	11:23
22 August 2025	Friday	23:11	11:23
23 August 2025	Saturday	23:11	11:22
24 August 2025	Sunday	23:10	11:22
25 August 2025	Monday	23:10	11:22
26 August 2025	Tuesday	23:10	11:21
27 August 2025	Wednesday	23:10	11:21
28 August 2025	Thursday	23:10	11:20
29 August 2025	Friday	23:09	11:20
30 August 2025	Saturday	23:09	11:20
31 August 2025	Sunday	23:09	11:19

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:09	11:19
02 September 2025	Tuesday	23:08	11:18
03 September 2025	Wednesday	23:08	11:18
04 September 2025	Thursday	23:08	11:18
05 September 2025	Friday	23:08	11:17
06 September 2025	Saturday	23:07	11:17
07 September 2025	Sunday	23:07	11:16
08 September 2025	Monday	23:07	11:16
09 September 2025	Tuesday	23:07	11:16
10 September 2025	Wednesday	23:06	11:15
11 September 2025	Thursday	23:06	11:15
12 September 2025	Friday	23:06	11:14
13 September 2025	Saturday	23:06	11:14
14 September 2025	Sunday	23:05	11:13
15 September 2025	Monday	23:05	11:13
16 September 2025	Tuesday	23:05	11:12
17 September 2025	Wednesday	23:05	11:12
18 September 2025	Thursday	23:04	11:12
19 September 2025	Friday	23:04	11:11
20 September 2025	Saturday	23:04	11:11
21 September 2025	Sunday	23:03	11:10
22 September 2025	Monday	23:03	11:10
23 September 2025	Tuesday	23:03	11:09
24 September 2025	Wednesday	23:03	11:09
25 September 2025	Thursday	23:02	11:08
26 September 2025	Friday	23:02	11:08
27 September 2025	Saturday	23:02	11:08
28 September 2025	Sunday	23:02	11:07
29 September 2025	Monday	23:01	11:07
30 September 2025	Tuesday	23:01	11:06

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	23:01	11:06
02 October 2025	Thursday	23:01	11:06
03 October 2025	Friday	23:00	11:05
04 October 2025	Saturday	23:00	11:05
05 October 2025	Sunday	23:00	11:04
06 October 2025	Monday	23:00	11:04
07 October 2025	Tuesday	23:00	11:04
08 October 2025	Wednesday	22:59	11:03
09 October 2025	Thursday	22:59	11:03
10 October 2025	Friday	22:59	11:03
11 October 2025	Saturday	22:59	11:02
12 October 2025	Sunday	22:59	11:02
13 October 2025	Monday	22:58	11:02
14 October 2025	Tuesday	22:58	11:01
15 October 2025	Wednesday	22:58	11:01
16 October 2025	Thursday	22:58	11:01
17 October 2025	Friday	22:58	11:00
18 October 2025	Saturday	22:58	11:00
19 October 2025	Sunday	22:58	11:00
20 October 2025	Monday	22:58	11:00
21 October 2025	Tuesday	22:57	10:59
22 October 2025	Wednesday	22:57	10:59
23 October 2025	Thursday	22:57	10:59
24 October 2025	Friday	22:57	10:59
25 October 2025	Saturday	22:57	10:59
26 October 2025	Sunday	22:57	10:58
27 October 2025	Monday	22:57	10:58
28 October 2025	Tuesday	22:57	10:58
29 October 2025	Wednesday	22:57	10:58
30 October 2025	Thursday	22:57	10:58
31 October 2025	Friday	22:57	10:58

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:57	10:58
02 November 2025	Sunday	22:57	10:57
03 November 2025	Monday	22:57	10:57
04 November 2025	Tuesday	22:57	10:57
05 November 2025	Wednesday	22:57	10:57
06 November 2025	Thursday	22:58	10:57
07 November 2025	Friday	22:58	10:57
08 November 2025	Saturday	22:58	10:57
09 November 2025	Sunday	22:58	10:57
10 November 2025	Monday	22:58	10:57
11 November 2025	Tuesday	22:58	10:57
12 November 2025	Wednesday	22:58	10:57
13 November 2025	Thursday	22:59	10:57
14 November 2025	Friday	22:59	10:58
15 November 2025	Saturday	22:59	10:58
16 November 2025	Sunday	22:59	10:58
17 November 2025	Monday	22:59	10:58
18 November 2025	Tuesday	23:00	10:58
19 November 2025	Wednesday	23:00	10:58
20 November 2025	Thursday	23:00	10:58
21 November 2025	Friday	23:01	10:59
22 November 2025	Saturday	23:01	10:59
23 November 2025	Sunday	23:01	10:59
24 November 2025	Monday	23:02	10:59
25 November 2025	Tuesday	23:02	11:00
26 November 2025	Wednesday	23:02	11:00
27 November 2025	Thursday	23:03	11:00
28 November 2025	Friday	23:03	11:00
29 November 2025	Saturday	23:03	11:01
30 November 2025	Sunday	23:04	11:01

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	23:04	11:01
02 December 2025	Tuesday	23:05	11:02
03 December 2025	Wednesday	23:05	11:02
04 December 2025	Thursday	23:05	11:03
05 December 2025	Friday	23:06	11:03
06 December 2025	Saturday	23:06	11:03
07 December 2025	Sunday	23:07	11:04
08 December 2025	Monday	23:07	11:04
09 December 2025	Tuesday	23:08	11:05
10 December 2025	Wednesday	23:08	11:05
11 December 2025	Thursday	23:09	11:05
12 December 2025	Friday	23:09	11:06
13 December 2025	Saturday	23:10	11:06
14 December 2025	Sunday	23:10	11:07
15 December 2025	Monday	23:11	11:07
16 December 2025	Tuesday	23:11	11:08
17 December 2025	Wednesday	23:12	11:08
18 December 2025	Thursday	23:12	11:09
19 December 2025	Friday	23:13	11:09
20 December 2025	Saturday	23:13	11:10
21 December 2025	Sunday	23:14	11:10
22 December 2025	Monday	23:14	11:11
23 December 2025	Tuesday	23:15	11:11
24 December 2025	Wednesday	23:15	11:12
25 December 2025	Thursday	23:15	11:12
26 December 2025	Friday	23:16	11:13
27 December 2025	Saturday	23:16	11:13
28 December 2025	Sunday	23:17	11:14
29 December 2025	Monday	23:17	11:14
30 December 2025	Tuesday	23:18	11:15
31 December 2025	Wednesday	23:18	11:15

2.7.14 WMBT - PULAU TIOMAN

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:08	11:06
02 January 2025	Thursday	23:08	11:06
03 January 2025	Friday	23:09	11:07
04 January 2025	Saturday	23:09	11:07
05 January 2025	Sunday	23:10	11:08
06 January 2025	Monday	23:10	11:08
07 January 2025	Tuesday	23:11	11:09
08 January 2025	Wednesday	23:11	11:09
09 January 2025	Thursday	23:11	11:10
10 January 2025	Friday	23:12	11:10
11 January 2025	Saturday	23:12	11:10
12 January 2025	Sunday	23:12	11:11
13 January 2025	Monday	23:13	11:11
14 January 2025	Tuesday	23:13	11:12
15 January 2025	Wednesday	23:13	11:12
16 January 2025	Thursday	23:14	11:12
17 January 2025	Friday	23:14	11:13
18 January 2025	Saturday	23:14	11:13
19 January 2025	Sunday	23:15	11:14
20 January 2025	Monday	23:15	11:14
21 January 2025	Tuesday	23:15	11:14
22 January 2025	Wednesday	23:15	11:14
23 January 2025	Thursday	23:16	11:15
24 January 2025	Friday	23:16	11:15
25 January 2025	Saturday	23:16	11:15
26 January 2025	Sunday	23:16	11:16
27 January 2025	Monday	23:16	11:16
28 January 2025	Tuesday	23:16	11:16
29 January 2025	Wednesday	23:17	11:16
30 January 2025	Thursday	23:17	11:17
31 January 2025	Friday	23:17	11:17

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:17	11:17
02 February 2025	Sunday	23:17	11:17
03 February 2025	Monday	23:17	11:17
04 February 2025	Tuesday	23:17	11:17
05 February 2025	Wednesday	23:17	11:18
06 February 2025	Thursday	23:17	11:18
07 February 2025	Friday	23:17	11:18
08 February 2025	Saturday	23:17	11:18
09 February 2025	Sunday	23:17	11:18
10 February 2025	Monday	23:17	11:18
11 February 2025	Tuesday	23:17	11:18
12 February 2025	Wednesday	23:17	11:18
13 February 2025	Thursday	23:17	11:18
14 February 2025	Friday	23:17	11:18
15 February 2025	Saturday	23:17	11:18
16 February 2025	Sunday	23:16	11:18
17 February 2025	Monday	23:16	11:18
18 February 2025	Tuesday	23:16	11:18
19 February 2025	Wednesday	23:16	11:18
20 February 2025	Thursday	23:16	11:18
21 February 2025	Friday	23:16	11:18
22 February 2025	Saturday	23:15	11:18
23 February 2025	Sunday	23:15	11:18
24 February 2025	Monday	23:15	11:18
25 February 2025	Tuesday	23:15	11:18
26 February 2025	Wednesday	23:15	11:18
27 February 2025	Thursday	23:14	11:18
28 February 2025	Friday	23:14	11:18

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:14	11:18
02 March 2025	Sunday	23:14	11:17
03 March 2025	Monday	23:13	11:17
04 March 2025	Tuesday	23:13	11:17
05 March 2025	Wednesday	23:13	11:17
06 March 2025	Thursday	23:12	11:17
07 March 2025	Friday	23:12	11:17
08 March 2025	Saturday	23:12	11:16
09 March 2025	Sunday	23:11	11:16
10 March 2025	Monday	23:11	11:16
11 March 2025	Tuesday	23:11	11:16
12 March 2025	Wednesday	23:10	11:16
13 March 2025	Thursday	23:10	11:16
14 March 2025	Friday	23:10	11:15
15 March 2025	Saturday	23:09	11:15
16 March 2025	Sunday	23:09	11:15
17 March 2025	Monday	23:09	11:15
18 March 2025	Tuesday	23:08	11:15
19 March 2025	Wednesday	23:08	11:14
20 March 2025	Thursday	23:08	11:14
21 March 2025	Friday	23:07	11:14
22 March 2025	Saturday	23:07	11:14
23 March 2025	Sunday	23:06	11:13
24 March 2025	Monday	23:06	11:13
25 March 2025	Tuesday	23:06	11:13
26 March 2025	Wednesday	23:05	11:13
27 March 2025	Thursday	23:05	11:13
28 March 2025	Friday	23:05	11:12
29 March 2025	Saturday	23:04	11:12
30 March 2025	Sunday	23:04	11:12
31 March 2025	Monday	23:03	11:12

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:03	11:11
02 April 2025	Wednesday	23:03	11:11
03 April 2025	Thursday	23:02	11:11
04 April 2025	Friday	23:02	11:11
05 April 2025	Saturday	23:02	11:11
06 April 2025	Sunday	23:01	11:10
07 April 2025	Monday	23:01	11:10
08 April 2025	Tuesday	23:00	11:10
09 April 2025	Wednesday	23:00	11:10
10 April 2025	Thursday	23:00	11:10
11 April 2025	Friday	22:59	11:09
12 April 2025	Saturday	22:59	11:09
13 April 2025	Sunday	22:59	11:09
14 April 2025	Monday	22:58	11:09
15 April 2025	Tuesday	22:58	11:09
16 April 2025	Wednesday	22:58	11:09
17 April 2025	Thursday	22:58	11:08
18 April 2025	Friday	22:57	11:08
19 April 2025	Saturday	22:57	11:08
20 April 2025	Sunday	22:57	11:08
21 April 2025	Monday	22:56	11:08
22 April 2025	Tuesday	22:56	11:08
23 April 2025	Wednesday	22:56	11:08
24 April 2025	Thursday	22:56	11:07
25 April 2025	Friday	22:55	11:07
26 April 2025	Saturday	22:55	11:07
27 April 2025	Sunday	22:55	11:07
28 April 2025	Monday	22:55	11:07
29 April 2025	Tuesday	22:54	11:07
30 April 2025	Wednesday	22:54	11:07

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:54	11:07
02 May 2025	Friday	22:54	11:07
03 May 2025	Saturday	22:54	11:07
04 May 2025	Sunday	22:53	11:07
05 May 2025	Monday	22:53	11:07
06 May 2025	Tuesday	22:53	11:07
07 May 2025	Wednesday	22:53	11:07
08 May 2025	Thursday	22:53	11:07
09 May 2025	Friday	22:53	11:07
10 May 2025	Saturday	22:53	11:07
11 May 2025	Sunday	22:53	11:07
12 May 2025	Monday	22:53	11:07
13 May 2025	Tuesday	22:52	11:07
14 May 2025	Wednesday	22:52	11:07
15 May 2025	Thursday	22:52	11:07
16 May 2025	Friday	22:52	11:07
17 May 2025	Saturday	22:52	11:07
18 May 2025	Sunday	22:52	11:07
19 May 2025	Monday	22:52	11:07
20 May 2025	Tuesday	22:52	11:08
21 May 2025	Wednesday	22:52	11:08
22 May 2025	Thursday	22:52	11:08
23 May 2025	Friday	22:52	11:08
24 May 2025	Saturday	22:52	11:08
25 May 2025	Sunday	22:52	11:08
26 May 2025	Monday	22:52	11:08
27 May 2025	Tuesday	22:53	11:09
28 May 2025	Wednesday	22:53	11:09
29 May 2025	Thursday	22:53	11:09
30 May 2025	Friday	22:53	11:09
31 May 2025	Saturday	22:53	11:09

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:53	11:09
02 June 2025	Monday	22:53	11:10
03 June 2025	Tuesday	22:53	11:10
04 June 2025	Wednesday	22:53	11:10
05 June 2025	Thursday	22:54	11:10
06 June 2025	Friday	22:54	11:10
07 June 2025	Saturday	22:54	11:11
08 June 2025	Sunday	22:54	11:11
09 June 2025	Monday	22:54	11:11
10 June 2025	Tuesday	22:54	11:11
11 June 2025	Wednesday	22:55	11:12
12 June 2025	Thursday	22:55	11:12
13 June 2025	Friday	22:55	11:12
14 June 2025	Saturday	22:55	11:12
15 June 2025	Sunday	22:55	11:12
16 June 2025	Monday	22:56	11:13
17 June 2025	Tuesday	22:56	11:13
18 June 2025	Wednesday	22:56	11:13
19 June 2025	Thursday	22:56	11:13
20 June 2025	Friday	22:56	11:14
21 June 2025	Saturday	22:57	11:14
22 June 2025	Sunday	22:57	11:14
23 June 2025	Monday	22:57	11:14
24 June 2025	Tuesday	22:57	11:14
25 June 2025	Wednesday	22:57	11:15
26 June 2025	Thursday	22:58	11:15
27 June 2025	Friday	22:58	11:15
28 June 2025	Saturday	22:58	11:15
29 June 2025	Sunday	22:58	11:15
30 June 2025	Monday	22:59	11:16

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:59	11:16
02 July 2025	Wednesday	22:59	11:16
03 July 2025	Thursday	22:59	11:16
04 July 2025	Friday	22:59	11:16
05 July 2025	Saturday	23:00	11:16
06 July 2025	Sunday	23:00	11:17
07 July 2025	Monday	23:00	11:17
08 July 2025	Tuesday	23:00	11:17
09 July 2025	Wednesday	23:00	11:17
10 July 2025	Thursday	23:01	11:17
11 July 2025	Friday	23:01	11:17
12 July 2025	Saturday	23:01	11:17
13 July 2025	Sunday	23:01	11:17
14 July 2025	Monday	23:01	11:17
15 July 2025	Tuesday	23:01	11:17
16 July 2025	Wednesday	23:01	11:17
17 July 2025	Thursday	23:02	11:18
18 July 2025	Friday	23:02	11:18
19 July 2025	Saturday	23:02	11:18
20 July 2025	Sunday	23:02	11:18
21 July 2025	Monday	23:02	11:18
22 July 2025	Tuesday	23:02	11:18
23 July 2025	Wednesday	23:02	11:18
24 July 2025	Thursday	23:02	11:18
25 July 2025	Friday	23:02	11:17
26 July 2025	Saturday	23:02	11:17
27 July 2025	Sunday	23:02	11:17
28 July 2025	Monday	23:03	11:17
29 July 2025	Tuesday	23:03	11:17
30 July 2025	Wednesday	23:03	11:17
31 July 2025	Thursday	23:03	11:17

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:03	11:17
02 August 2025	Saturday	23:03	11:17
03 August 2025	Sunday	23:03	11:17
04 August 2025	Monday	23:03	11:16
05 August 2025	Tuesday	23:03	11:16
06 August 2025	Wednesday	23:02	11:16
07 August 2025	Thursday	23:02	11:16
08 August 2025	Friday	23:02	11:16
09 August 2025	Saturday	23:02	11:16
10 August 2025	Sunday	23:02	11:15
11 August 2025	Monday	23:02	11:15
12 August 2025	Tuesday	23:02	11:15
13 August 2025	Wednesday	23:02	11:15
14 August 2025	Thursday	23:02	11:14
15 August 2025	Friday	23:02	11:14
16 August 2025	Saturday	23:02	11:14
17 August 2025	Sunday	23:01	11:13
18 August 2025	Monday	23:01	11:13
19 August 2025	Tuesday	23:01	11:13
20 August 2025	Wednesday	23:01	11:13
21 August 2025	Thursday	23:01	11:12
22 August 2025	Friday	23:01	11:12
23 August 2025	Saturday	23:00	11:12
24 August 2025	Sunday	23:00	11:11
25 August 2025	Monday	23:00	11:11
26 August 2025	Tuesday	23:00	11:11
27 August 2025	Wednesday	23:00	11:10
28 August 2025	Thursday	22:59	11:10
29 August 2025	Friday	22:59	11:09
30 August 2025	Saturday	22:59	11:09
31 August 2025	Sunday	22:59	11:09

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:58	11:08
02 September 2025	Tuesday	22:58	11:08
03 September 2025	Wednesday	22:58	11:07
04 September 2025	Thursday	22:58	11:07
05 September 2025	Friday	22:57	11:07
06 September 2025	Saturday	22:57	11:06
07 September 2025	Sunday	22:57	11:06
08 September 2025	Monday	22:57	11:05
09 September 2025	Tuesday	22:56	11:05
10 September 2025	Wednesday	22:56	11:05
11 September 2025	Thursday	22:56	11:04
12 September 2025	Friday	22:56	11:04
13 September 2025	Saturday	22:55	11:03
14 September 2025	Sunday	22:55	11:03
15 September 2025	Monday	22:55	11:02
16 September 2025	Tuesday	22:54	11:02
17 September 2025	Wednesday	22:54	11:02
18 September 2025	Thursday	22:54	11:01
19 September 2025	Friday	22:54	11:01
20 September 2025	Saturday	22:53	11:00
21 September 2025	Sunday	22:53	11:00
22 September 2025	Monday	22:53	10:59
23 September 2025	Tuesday	22:53	10:59
24 September 2025	Wednesday	22:52	10:59
25 September 2025	Thursday	22:52	10:58
26 September 2025	Friday	22:52	10:58
27 September 2025	Saturday	22:51	10:57
28 September 2025	Sunday	22:51	10:57
29 September 2025	Monday	22:51	10:56
30 September 2025	Tuesday	22:51	10:56

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:50	10:56
02 October 2025	Thursday	22:50	10:55
03 October 2025	Friday	22:50	10:55
04 October 2025	Saturday	22:50	10:54
05 October 2025	Sunday	22:49	10:54
06 October 2025	Monday	22:49	10:54
07 October 2025	Tuesday	22:49	10:53
08 October 2025	Wednesday	22:49	10:53
09 October 2025	Thursday	22:49	10:53
10 October 2025	Friday	22:48	10:52
11 October 2025	Saturday	22:48	10:52
12 October 2025	Sunday	22:48	10:52
13 October 2025	Monday	22:48	10:51
14 October 2025	Tuesday	22:48	10:51
15 October 2025	Wednesday	22:48	10:51
16 October 2025	Thursday	22:47	10:50
17 October 2025	Friday	22:47	10:50
18 October 2025	Saturday	22:47	10:50
19 October 2025	Sunday	22:47	10:50
20 October 2025	Monday	22:47	10:49
21 October 2025	Tuesday	22:47	10:49
22 October 2025	Wednesday	22:47	10:49
23 October 2025	Thursday	22:47	10:49
24 October 2025	Friday	22:47	10:49
25 October 2025	Saturday	22:47	10:48
26 October 2025	Sunday	22:46	10:48
27 October 2025	Monday	22:46	10:48
28 October 2025	Tuesday	22:46	10:48
29 October 2025	Wednesday	22:46	10:48
30 October 2025	Thursday	22:46	10:48
31 October 2025	Friday	22:46	10:48

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:46	10:47
02 November 2025	Sunday	22:46	10:47
03 November 2025	Monday	22:47	10:47
04 November 2025	Tuesday	22:47	10:47
05 November 2025	Wednesday	22:47	10:47
06 November 2025	Thursday	22:47	10:47
07 November 2025	Friday	22:47	10:47
08 November 2025	Saturday	22:47	10:47
09 November 2025	Sunday	22:47	10:47
10 November 2025	Monday	22:47	10:47
11 November 2025	Tuesday	22:47	10:47
12 November 2025	Wednesday	22:48	10:47
13 November 2025	Thursday	22:48	10:47
14 November 2025	Friday	22:48	10:48
15 November 2025	Saturday	22:48	10:48
16 November 2025	Sunday	22:48	10:48
17 November 2025	Monday	22:49	10:48
18 November 2025	Tuesday	22:49	10:48
19 November 2025	Wednesday	22:49	10:48
20 November 2025	Thursday	22:49	10:49
21 November 2025	Friday	22:50	10:49
22 November 2025	Saturday	22:50	10:49
23 November 2025	Sunday	22:50	10:49
24 November 2025	Monday	22:51	10:49
25 November 2025	Tuesday	22:51	10:50
26 November 2025	Wednesday	22:51	10:50
27 November 2025	Thursday	22:52	10:50
28 November 2025	Friday	22:52	10:51
29 November 2025	Saturday	22:52	10:51
30 November 2025	Sunday	22:53	10:51

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:53	10:52
02 December 2025	Tuesday	22:54	10:52
03 December 2025	Wednesday	22:54	10:52
04 December 2025	Thursday	22:54	10:53
05 December 2025	Friday	22:55	10:53
06 December 2025	Saturday	22:55	10:53
07 December 2025	Sunday	22:56	10:54
08 December 2025	Monday	22:56	10:54
09 December 2025	Tuesday	22:57	10:55
10 December 2025	Wednesday	22:57	10:55
11 December 2025	Thursday	22:58	10:55
12 December 2025	Friday	22:58	10:56
13 December 2025	Saturday	22:59	10:56
14 December 2025	Sunday	22:59	10:57
15 December 2025	Monday	23:00	10:57
16 December 2025	Tuesday	23:00	10:58
17 December 2025	Wednesday	23:01	10:58
18 December 2025	Thursday	23:01	10:59
19 December 2025	Friday	23:02	10:59
20 December 2025	Saturday	23:02	11:00
21 December 2025	Sunday	23:03	11:00
22 December 2025	Monday	23:03	11:01
23 December 2025	Tuesday	23:04	11:01
24 December 2025	Wednesday	23:04	11:02
25 December 2025	Thursday	23:05	11:02
26 December 2025	Friday	23:05	11:03
27 December 2025	Saturday	23:06	11:03
28 December 2025	Sunday	23:06	11:04
29 December 2025	Monday	23:06	11:04
30 December 2025	Tuesday	23:07	11:05
31 December 2025	Wednesday	23:07	11:05

2.7.15 WMPR - PULAU REDANG

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	23:18	11:05
02 January 2025	Thursday	23:18	11:06
03 January 2025	Friday	23:18	11:06
04 January 2025	Saturday	23:19	11:07
05 January 2025	Sunday	23:19	11:07
06 January 2025	Monday	23:20	11:08
07 January 2025	Tuesday	23:20	11:08
08 January 2025	Wednesday	23:20	11:09
09 January 2025	Thursday	23:21	11:09
10 January 2025	Friday	23:21	11:10
11 January 2025	Saturday	23:21	11:10
12 January 2025	Sunday	23:22	11:11
13 January 2025	Monday	23:22	11:11
14 January 2025	Tuesday	23:22	11:12
15 January 2025	Wednesday	23:23	11:12
16 January 2025	Thursday	23:23	11:13
17 January 2025	Friday	23:23	11:13
18 January 2025	Saturday	23:23	11:13
19 January 2025	Sunday	23:24	11:14
20 January 2025	Monday	23:24	11:14
21 January 2025	Tuesday	23:24	11:15
22 January 2025	Wednesday	23:24	11:15
23 January 2025	Thursday	23:24	11:15
24 January 2025	Friday	23:24	11:16
25 January 2025	Saturday	23:25	11:16
26 January 2025	Sunday	23:25	11:16
27 January 2025	Monday	23:25	11:17
28 January 2025	Tuesday	23:25	11:17
29 January 2025	Wednesday	23:25	11:17
30 January 2025	Thursday	23:25	11:17
31 January 2025	Friday	23:25	11:18

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	23:25	11:18
02 February 2025	Sunday	23:25	11:18
03 February 2025	Monday	23:25	11:18
04 February 2025	Tuesday	23:25	11:19
05 February 2025	Wednesday	23:25	11:19
06 February 2025	Thursday	23:25	11:19
07 February 2025	Friday	23:25	11:19
08 February 2025	Saturday	23:25	11:19
09 February 2025	Sunday	23:25	11:20
10 February 2025	Monday	23:25	11:20
11 February 2025	Tuesday	23:25	11:20
12 February 2025	Wednesday	23:24	11:20
13 February 2025	Thursday	23:24	11:20
14 February 2025	Friday	23:24	11:20
15 February 2025	Saturday	23:24	11:20
16 February 2025	Sunday	23:24	11:20
17 February 2025	Monday	23:23	11:20
18 February 2025	Tuesday	23:23	11:21
19 February 2025	Wednesday	23:23	11:21
20 February 2025	Thursday	23:23	11:21
21 February 2025	Friday	23:22	11:21
22 February 2025	Saturday	23:22	11:21
23 February 2025	Sunday	23:22	11:21
24 February 2025	Monday	23:22	11:21
25 February 2025	Tuesday	23:21	11:21
26 February 2025	Wednesday	23:21	11:21
27 February 2025	Thursday	23:21	11:21
28 February 2025	Friday	23:20	11:21

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	23:20	11:21
02 March 2025	Sunday	23:20	11:21
03 March 2025	Monday	23:19	11:21
04 March 2025	Tuesday	23:19	11:20
05 March 2025	Wednesday	23:19	11:20
06 March 2025	Thursday	23:18	11:20
07 March 2025	Friday	23:18	11:20
08 March 2025	Saturday	23:17	11:20
09 March 2025	Sunday	23:17	11:20
10 March 2025	Monday	23:17	11:20
11 March 2025	Tuesday	23:16	11:20
12 March 2025	Wednesday	23:16	11:20
13 March 2025	Thursday	23:15	11:20
14 March 2025	Friday	23:15	11:19
15 March 2025	Saturday	23:14	11:19
16 March 2025	Sunday	23:14	11:19
17 March 2025	Monday	23:14	11:19
18 March 2025	Tuesday	23:13	11:19
19 March 2025	Wednesday	23:13	11:19
20 March 2025	Thursday	23:12	11:19
21 March 2025	Friday	23:12	11:19
22 March 2025	Saturday	23:11	11:18
23 March 2025	Sunday	23:11	11:18
24 March 2025	Monday	23:10	11:18
25 March 2025	Tuesday	23:10	11:18
26 March 2025	Wednesday	23:09	11:18
27 March 2025	Thursday	23:09	11:18
28 March 2025	Friday	23:09	11:18
29 March 2025	Saturday	23:08	11:17
30 March 2025	Sunday	23:08	11:17
31 March 2025	Monday	23:07	11:17

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	23:07	11:17
02 April 2025	Wednesday	23:06	11:17
03 April 2025	Thursday	23:06	11:17
04 April 2025	Friday	23:05	11:17
05 April 2025	Saturday	23:05	11:16
06 April 2025	Sunday	23:04	11:16
07 April 2025	Monday	23:04	11:16
08 April 2025	Tuesday	23:04	11:16
09 April 2025	Wednesday	23:03	11:16
10 April 2025	Thursday	23:03	11:16
11 April 2025	Friday	23:02	11:16
12 April 2025	Saturday	23:02	11:16
13 April 2025	Sunday	23:01	11:16
14 April 2025	Monday	23:01	11:15
15 April 2025	Tuesday	23:01	11:15
16 April 2025	Wednesday	23:00	11:15
17 April 2025	Thursday	23:00	11:15
18 April 2025	Friday	23:00	11:15
19 April 2025	Saturday	22:59	11:15
20 April 2025	Sunday	22:59	11:15
21 April 2025	Monday	22:58	11:15
22 April 2025	Tuesday	22:58	11:15
23 April 2025	Wednesday	22:58	11:15
24 April 2025	Thursday	22:57	11:15
25 April 2025	Friday	22:57	11:15
26 April 2025	Saturday	22:57	11:15
27 April 2025	Sunday	22:57	11:15
28 April 2025	Monday	22:56	11:15
29 April 2025	Tuesday	22:56	11:15
30 April 2025	Wednesday	22:56	11:15

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:55	11:15
02 May 2025	Friday	22:55	11:15
03 May 2025	Saturday	22:55	11:15
04 May 2025	Sunday	22:55	11:15
05 May 2025	Monday	22:54	11:15
06 May 2025	Tuesday	22:54	11:15
07 May 2025	Wednesday	22:54	11:15
08 May 2025	Thursday	22:54	11:15
09 May 2025	Friday	22:54	11:15
10 May 2025	Saturday	22:54	11:15
11 May 2025	Sunday	22:53	11:15
12 May 2025	Monday	22:53	11:15
13 May 2025	Tuesday	22:53	11:16
14 May 2025	Wednesday	22:53	11:16
15 May 2025	Thursday	22:53	11:16
16 May 2025	Friday	22:53	11:16
17 May 2025	Saturday	22:53	11:16
18 May 2025	Sunday	22:53	11:16
19 May 2025	Monday	22:53	11:16
20 May 2025	Tuesday	22:53	11:17
21 May 2025	Wednesday	22:52	11:17
22 May 2025	Thursday	22:52	11:17
23 May 2025	Friday	22:52	11:17
24 May 2025	Saturday	22:52	11:17
25 May 2025	Sunday	22:52	11:17
26 May 2025	Monday	22:52	11:18
27 May 2025	Tuesday	22:52	11:18
28 May 2025	Wednesday	22:53	11:18
29 May 2025	Thursday	22:53	11:18
30 May 2025	Friday	22:53	11:18
31 May 2025	Saturday	22:53	11:19

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:53	11:19
02 June 2025	Monday	22:53	11:19
03 June 2025	Tuesday	22:53	11:19
04 June 2025	Wednesday	22:53	11:20
05 June 2025	Thursday	22:53	11:20
06 June 2025	Friday	22:53	11:20
07 June 2025	Saturday	22:53	11:20
08 June 2025	Sunday	22:54	11:21
09 June 2025	Monday	22:54	11:21
10 June 2025	Tuesday	22:54	11:21
11 June 2025	Wednesday	22:54	11:21
12 June 2025	Thursday	22:54	11:21
13 June 2025	Friday	22:54	11:22
14 June 2025	Saturday	22:55	11:22
15 June 2025	Sunday	22:55	11:22
16 June 2025	Monday	22:55	11:22
17 June 2025	Tuesday	22:55	11:23
18 June 2025	Wednesday	22:55	11:23
19 June 2025	Thursday	22:56	11:23
20 June 2025	Friday	22:56	11:23
21 June 2025	Saturday	22:56	11:24
22 June 2025	Sunday	22:56	11:24
23 June 2025	Monday	22:56	11:24
24 June 2025	Tuesday	22:57	11:24
25 June 2025	Wednesday	22:57	11:24
26 June 2025	Thursday	22:57	11:25
27 June 2025	Friday	22:57	11:25
28 June 2025	Saturday	22:58	11:25
29 June 2025	Sunday	22:58	11:25
30 June 2025	Monday	22:58	11:25

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:58	11:25
02 July 2025	Wednesday	22:59	11:26
03 July 2025	Thursday	22:59	11:26
04 July 2025	Friday	22:59	11:26
05 July 2025	Saturday	22:59	11:26
06 July 2025	Sunday	22:59	11:26
07 July 2025	Monday	23:00	11:26
08 July 2025	Tuesday	23:00	11:26
09 July 2025	Wednesday	23:00	11:26
10 July 2025	Thursday	23:00	11:26
11 July 2025	Friday	23:00	11:27
12 July 2025	Saturday	23:01	11:27
13 July 2025	Sunday	23:01	11:27
14 July 2025	Monday	23:01	11:27
15 July 2025	Tuesday	23:01	11:27
16 July 2025	Wednesday	23:01	11:27
17 July 2025	Thursday	23:02	11:27
18 July 2025	Friday	23:02	11:27
19 July 2025	Saturday	23:02	11:27
20 July 2025	Sunday	23:02	11:27
21 July 2025	Monday	23:02	11:27
22 July 2025	Tuesday	23:02	11:27
23 July 2025	Wednesday	23:02	11:26
24 July 2025	Thursday	23:03	11:26
25 July 2025	Friday	23:03	11:26
26 July 2025	Saturday	23:03	11:26
27 July 2025	Sunday	23:03	11:26
28 July 2025	Monday	23:03	11:26
29 July 2025	Tuesday	23:03	11:26
30 July 2025	Wednesday	23:03	11:26
31 July 2025	Thursday	23:03	11:26

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	23:03	11:25
02 August 2025	Saturday	23:03	11:25
03 August 2025	Sunday	23:03	11:25
04 August 2025	Monday	23:03	11:25
05 August 2025	Tuesday	23:03	11:24
06 August 2025	Wednesday	23:04	11:24
07 August 2025	Thursday	23:04	11:24
08 August 2025	Friday	23:04	11:24
09 August 2025	Saturday	23:04	11:23
10 August 2025	Sunday	23:03	11:23
11 August 2025	Monday	23:03	11:23
12 August 2025	Tuesday	23:03	11:23
13 August 2025	Wednesday	23:03	11:22
14 August 2025	Thursday	23:03	11:22
15 August 2025	Friday	23:03	11:22
16 August 2025	Saturday	23:03	11:21
17 August 2025	Sunday	23:03	11:21
18 August 2025	Monday	23:03	11:21
19 August 2025	Tuesday	23:03	11:20
20 August 2025	Wednesday	23:03	11:20
21 August 2025	Thursday	23:03	11:19
22 August 2025	Friday	23:03	11:19
23 August 2025	Saturday	23:03	11:19
24 August 2025	Sunday	23:02	11:18
25 August 2025	Monday	23:02	11:18
26 August 2025	Tuesday	23:02	11:17
27 August 2025	Wednesday	23:02	11:17
28 August 2025	Thursday	23:02	11:16
29 August 2025	Friday	23:02	11:16
30 August 2025	Saturday	23:02	11:16
31 August 2025	Sunday	23:02	11:15

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	23:01	11:15
02 September 2025	Tuesday	23:01	11:14
03 September 2025	Wednesday	23:01	11:14
04 September 2025	Thursday	23:01	11:13
05 September 2025	Friday	23:01	11:13
06 September 2025	Saturday	23:00	11:12
07 September 2025	Sunday	23:00	11:12
08 September 2025	Monday	23:00	11:11
09 September 2025	Tuesday	23:00	11:11
10 September 2025	Wednesday	23:00	11:10
11 September 2025	Thursday	23:00	11:10
12 September 2025	Friday	22:59	11:09
13 September 2025	Saturday	22:59	11:09
14 September 2025	Sunday	22:59	11:08
15 September 2025	Monday	22:59	11:08
16 September 2025	Tuesday	22:59	11:07
17 September 2025	Wednesday	22:58	11:07
18 September 2025	Thursday	22:58	11:06
19 September 2025	Friday	22:58	11:06
20 September 2025	Saturday	22:58	11:05
21 September 2025	Sunday	22:58	11:05
22 September 2025	Monday	22:57	11:04
23 September 2025	Tuesday	22:57	11:04
24 September 2025	Wednesday	22:57	11:03
25 September 2025	Thursday	22:57	11:03
26 September 2025	Friday	22:57	11:02
27 September 2025	Saturday	22:56	11:02
28 September 2025	Sunday	22:56	11:01
29 September 2025	Monday	22:56	11:01
30 September 2025	Tuesday	22:56	11:00

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:56	11:00
02 October 2025	Thursday	22:56	10:59
03 October 2025	Friday	22:55	10:59
04 October 2025	Saturday	22:55	10:58
05 October 2025	Sunday	22:55	10:58
06 October 2025	Monday	22:55	10:57
07 October 2025	Tuesday	22:55	10:57
08 October 2025	Wednesday	22:55	10:56
09 October 2025	Thursday	22:55	10:56
10 October 2025	Friday	22:54	10:56
11 October 2025	Saturday	22:54	10:55
12 October 2025	Sunday	22:54	10:55
13 October 2025	Monday	22:54	10:54
14 October 2025	Tuesday	22:54	10:54
15 October 2025	Wednesday	22:54	10:54
16 October 2025	Thursday	22:54	10:53
17 October 2025	Friday	22:54	10:53
18 October 2025	Saturday	22:54	10:52
19 October 2025	Sunday	22:54	10:52
20 October 2025	Monday	22:54	10:52
21 October 2025	Tuesday	22:54	10:52
22 October 2025	Wednesday	22:54	10:51
23 October 2025	Thursday	22:54	10:51
24 October 2025	Friday	22:54	10:51
25 October 2025	Saturday	22:54	10:50
26 October 2025	Sunday	22:54	10:50
27 October 2025	Monday	22:54	10:50
28 October 2025	Tuesday	22:54	10:50
29 October 2025	Wednesday	22:54	10:50
30 October 2025	Thursday	22:54	10:49
31 October 2025	Friday	22:54	10:49

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:54	10:49
02 November 2025	Sunday	22:54	10:49
03 November 2025	Monday	22:54	10:49
04 November 2025	Tuesday	22:54	10:49
05 November 2025	Wednesday	22:55	10:48
06 November 2025	Thursday	22:55	10:48
07 November 2025	Friday	22:55	10:48
08 November 2025	Saturday	22:55	10:48
09 November 2025	Sunday	22:55	10:48
10 November 2025	Monday	22:56	10:48
11 November 2025	Tuesday	22:56	10:48
12 November 2025	Wednesday	22:56	10:48
13 November 2025	Thursday	22:56	10:48
14 November 2025	Friday	22:56	10:48
15 November 2025	Saturday	22:57	10:48
16 November 2025	Sunday	22:57	10:48
17 November 2025	Monday	22:57	10:48
18 November 2025	Tuesday	22:58	10:49
19 November 2025	Wednesday	22:58	10:49
20 November 2025	Thursday	22:58	10:49
21 November 2025	Friday	22:59	10:49
22 November 2025	Saturday	22:59	10:49
23 November 2025	Sunday	22:59	10:49
24 November 2025	Monday	23:00	10:50
25 November 2025	Tuesday	23:00	10:50
26 November 2025	Wednesday	23:00	10:50
27 November 2025	Thursday	23:01	10:50
28 November 2025	Friday	23:01	10:51
29 November 2025	Saturday	23:02	10:51
30 November 2025	Sunday	23:02	10:51

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	23:03	10:51
02 December 2025	Tuesday	23:03	10:52
03 December 2025	Wednesday	23:03	10:52
04 December 2025	Thursday	23:04	10:52
05 December 2025	Friday	23:04	10:53
06 December 2025	Saturday	23:05	10:53
07 December 2025	Sunday	23:05	10:53
08 December 2025	Monday	23:06	10:54
09 December 2025	Tuesday	23:06	10:54
10 December 2025	Wednesday	23:07	10:55
11 December 2025	Thursday	23:07	10:55
12 December 2025	Friday	23:08	10:56
13 December 2025	Saturday	23:08	10:56
14 December 2025	Sunday	23:09	10:56
15 December 2025	Monday	23:09	10:57
16 December 2025	Tuesday	23:10	10:57
17 December 2025	Wednesday	23:10	10:58
18 December 2025	Thursday	23:11	10:58
19 December 2025	Friday	23:11	10:59
20 December 2025	Saturday	23:12	10:59
21 December 2025	Sunday	23:12	11:00
22 December 2025	Monday	23:13	11:00
23 December 2025	Tuesday	23:13	11:01
24 December 2025	Wednesday	23:14	11:01
25 December 2025	Thursday	23:14	11:02
26 December 2025	Friday	23:15	11:02
27 December 2025	Saturday	23:15	11:03
28 December 2025	Sunday	23:16	11:03
29 December 2025	Monday	23:16	11:04
30 December 2025	Tuesday	23:17	11:04
31 December 2025	Wednesday	23:17	11:05

2.7.16 WBGB - BINTULU

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	22:33	10:30
02 January 2025	Thursday	22:33	10:30
03 January 2025	Friday	22:34	10:31
04 January 2025	Saturday	22:34	10:31
05 January 2025	Sunday	22:35	10:32
06 January 2025	Monday	22:35	10:32
07 January 2025	Tuesday	22:36	10:33
08 January 2025	Wednesday	22:36	10:33
09 January 2025	Thursday	22:36	10:34
10 January 2025	Friday	22:37	10:34
11 January 2025	Saturday	22:37	10:34
12 January 2025	Sunday	22:37	10:35
13 January 2025	Monday	22:38	10:35
14 January 2025	Tuesday	22:38	10:36
15 January 2025	Wednesday	22:38	10:36
16 January 2025	Thursday	22:39	10:37
17 January 2025	Friday	22:39	10:37
18 January 2025	Saturday	22:39	10:37
19 January 2025	Sunday	22:40	10:38
20 January 2025	Monday	22:40	10:38
21 January 2025	Tuesday	22:40	10:38
22 January 2025	Wednesday	22:40	10:39
23 January 2025	Thursday	22:41	10:39
24 January 2025	Friday	22:41	10:39
25 January 2025	Saturday	22:41	10:39
26 January 2025	Sunday	22:41	10:40
27 January 2025	Monday	22:41	10:40
28 January 2025	Tuesday	22:41	10:40
29 January 2025	Wednesday	22:41	10:41
30 January 2025	Thursday	22:42	10:41
31 January 2025	Friday	22:42	10:41

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	22:42	10:41
02 February 2025	Sunday	22:42	10:41
03 February 2025	Monday	22:42	10:42
04 February 2025	Tuesday	22:42	10:42
05 February 2025	Wednesday	22:42	10:42
06 February 2025	Thursday	22:42	10:42
07 February 2025	Friday	22:42	10:42
08 February 2025	Saturday	22:42	10:42
09 February 2025	Sunday	22:42	10:42
10 February 2025	Monday	22:42	10:42
11 February 2025	Tuesday	22:42	10:42
12 February 2025	Wednesday	22:42	10:43
13 February 2025	Thursday	22:42	10:43
14 February 2025	Friday	22:42	10:43
15 February 2025	Saturday	22:41	10:43
16 February 2025	Sunday	22:41	10:43
17 February 2025	Monday	22:41	10:43
18 February 2025	Tuesday	22:41	10:43
19 February 2025	Wednesday	22:41	10:43
20 February 2025	Thursday	22:41	10:43
21 February 2025	Friday	22:40	10:43
22 February 2025	Saturday	22:40	10:42
23 February 2025	Sunday	22:40	10:42
24 February 2025	Monday	22:40	10:42
25 February 2025	Tuesday	22:40	10:42
26 February 2025	Wednesday	22:39	10:42
27 February 2025	Thursday	22:39	10:42
28 February 2025	Friday	22:39	10:42

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	22:39	10:42
02 March 2025	Sunday	22:38	10:42
03 March 2025	Monday	22:38	10:42
04 March 2025	Tuesday	22:38	10:42
05 March 2025	Wednesday	22:37	10:41
06 March 2025	Thursday	22:37	10:41
07 March 2025	Friday	22:37	10:41
08 March 2025	Saturday	22:36	10:41
09 March 2025	Sunday	22:36	10:41
10 March 2025	Monday	22:36	10:41
11 March 2025	Tuesday	22:35	10:40
12 March 2025	Wednesday	22:35	10:40
13 March 2025	Thursday	22:35	10:40
14 March 2025	Friday	22:34	10:40
15 March 2025	Saturday	22:34	10:40
16 March 2025	Sunday	22:34	10:39
17 March 2025	Monday	22:33	10:39
18 March 2025	Tuesday	22:33	10:39
19 March 2025	Wednesday	22:33	10:39
20 March 2025	Thursday	22:32	10:39
21 March 2025	Friday	22:32	10:38
22 March 2025	Saturday	22:31	10:38
23 March 2025	Sunday	22:31	10:38
24 March 2025	Monday	22:31	10:38
25 March 2025	Tuesday	22:30	10:38
26 March 2025	Wednesday	22:30	10:37
27 March 2025	Thursday	22:29	10:37
28 March 2025	Friday	22:29	10:37
29 March 2025	Saturday	22:29	10:37
30 March 2025	Sunday	22:28	10:36
31 March 2025	Monday	22:28	10:36

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	22:28	10:36
02 April 2025	Wednesday	22:27	10:36
03 April 2025	Thursday	22:27	10:36
04 April 2025	Friday	22:26	10:35
05 April 2025	Saturday	22:26	10:35
06 April 2025	Sunday	22:26	10:35
07 April 2025	Monday	22:25	10:35
08 April 2025	Tuesday	22:25	10:35
09 April 2025	Wednesday	22:25	10:34
10 April 2025	Thursday	22:24	10:34
11 April 2025	Friday	22:24	10:34
12 April 2025	Saturday	22:23	10:34
13 April 2025	Sunday	22:23	10:34
14 April 2025	Monday	22:23	10:34
15 April 2025	Tuesday	22:22	10:33
16 April 2025	Wednesday	22:22	10:33
17 April 2025	Thursday	22:22	10:33
18 April 2025	Friday	22:22	10:33
19 April 2025	Saturday	22:21	10:33
20 April 2025	Sunday	22:21	10:33
21 April 2025	Monday	22:21	10:33
22 April 2025	Tuesday	22:20	10:33
23 April 2025	Wednesday	22:20	10:32
24 April 2025	Thursday	22:20	10:32
25 April 2025	Friday	22:20	10:32
26 April 2025	Saturday	22:19	10:32
27 April 2025	Sunday	22:19	10:32
28 April 2025	Monday	22:19	10:32
29 April 2025	Tuesday	22:19	10:32
30 April 2024	Tuesday	22:18	10:32

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:18	10:32
02 May 2025	Friday	22:18	10:32
03 May 2025	Saturday	22:18	10:32
04 May 2025	Sunday	22:18	10:32
05 May 2025	Monday	22:18	10:32
06 May 2025	Tuesday	22:17	10:32
07 May 2025	Wednesday	22:17	10:32
08 May 2025	Thursday	22:17	10:32
09 May 2025	Friday	22:17	10:32
10 May 2025	Saturday	22:17	10:32
11 May 2025	Sunday	22:17	10:32
12 May 2025	Monday	22:17	10:32
13 May 2025	Tuesday	22:17	10:32
14 May 2025	Wednesday	22:17	10:32
15 May 2025	Thursday	22:16	10:32
16 May 2025	Friday	22:16	10:32
17 May 2025	Saturday	22:16	10:32
18 May 2025	Sunday	22:16	10:32
19 May 2025	Monday	22:16	10:32
20 May 2025	Tuesday	22:16	10:33
21 May 2025	Wednesday	22:16	10:33
22 May 2025	Thursday	22:16	10:33
23 May 2025	Friday	22:16	10:33
24 May 2025	Saturday	22:16	10:33
25 May 2025	Sunday	22:16	10:33
26 May 2025	Monday	22:17	10:33
27 May 2025	Tuesday	22:17	10:34
28 May 2025	Wednesday	22:17	10:34
29 May 2025	Thursday	22:17	10:34
30 May 2025	Friday	22:17	10:34
31 May 2025	Saturday	22:17	10:34

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:17	10:34
02 June 2025	Monday	22:17	10:35
03 June 2025	Tuesday	22:17	10:35
04 June 2025	Wednesday	22:17	10:35
05 June 2025	Thursday	22:18	10:35
06 June 2025	Friday	22:18	10:35
07 June 2025	Saturday	22:18	10:36
08 June 2025	Sunday	22:18	10:36
09 June 2025	Monday	22:18	10:36
10 June 2025	Tuesday	22:18	10:36
11 June 2025	Wednesday	22:19	10:37
12 June 2025	Thursday	22:19	10:37
13 June 2025	Friday	22:19	10:37
14 June 2025	Saturday	22:19	10:37
15 June 2025	Sunday	22:19	10:37
16 June 2025	Monday	22:20	10:38
17 June 2025	Tuesday	22:20	10:38
18 June 2025	Wednesday	22:20	10:38
19 June 2025	Thursday	22:20	10:38
20 June 2025	Friday	22:20	10:39
21 June 2025	Saturday	22:21	10:39
22 June 2025	Sunday	22:21	10:39
23 June 2025	Monday	22:21	10:39
24 June 2025	Tuesday	22:21	10:39
25 June 2025	Wednesday	22:21	10:40
26 June 2025	Thursday	22:22	10:40
27 June 2025	Friday	22:22	10:40
28 June 2025	Saturday	22:22	10:40
29 June 2025	Sunday	22:22	10:40
30 June 2025	Monday	22:23	10:41

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:23	10:41
02 July 2025	Wednesday	22:23	10:41
03 July 2025	Thursday	22:23	10:41
04 July 2025	Friday	22:23	10:41
05 July 2025	Saturday	22:24	10:41
06 July 2025	Sunday	22:24	10:42
07 July 2025	Monday	22:24	10:42
08 July 2025	Tuesday	22:24	10:42
09 July 2025	Wednesday	22:24	10:42
10 July 2025	Thursday	22:25	10:42
11 July 2025	Friday	22:25	10:42
12 July 2025	Saturday	22:25	10:42
13 July 2025	Sunday	22:25	10:42
14 July 2025	Monday	22:25	10:42
15 July 2025	Tuesday	22:25	10:42
16 July 2025	Wednesday	22:26	10:42
17 July 2025	Thursday	22:26	10:43
18 July 2025	Friday	22:26	10:43
19 July 2025	Saturday	22:26	10:43
20 July 2025	Sunday	22:26	10:43
21 July 2025	Monday	22:26	10:43
22 July 2025	Tuesday	22:26	10:43
23 July 2025	Wednesday	22:26	10:43
24 July 2025	Thursday	22:26	10:42
25 July 2025	Friday	22:26	10:42
26 July 2025	Saturday	22:27	10:42
27 July 2025	Sunday	22:27	10:42
28 July 2025	Monday	22:27	10:42
29 July 2025	Tuesday	22:27	10:42
30 July 2025	Wednesday	22:27	10:42
31 July 2025	Thursday	22:27	10:42

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	22:27	10:42
02 August 2025	Saturday	22:27	10:42
03 August 2025	Sunday	22:27	10:42
04 August 2025	Monday	22:27	10:41
05 August 2025	Tuesday	22:27	10:41
06 August 2025	Wednesday	22:27	10:41
07 August 2025	Thursday	22:27	10:41
08 August 2025	Friday	22:27	10:41
09 August 2025	Saturday	22:26	10:40
10 August 2025	Sunday	22:26	10:40
11 August 2025	Monday	22:26	10:40
12 August 2025	Tuesday	22:26	10:40
13 August 2025	Wednesday	22:26	10:39
14 August 2025	Thursday	22:26	10:39
15 August 2025	Friday	22:26	10:39
16 August 2025	Saturday	22:26	10:39
17 August 2025	Sunday	22:26	10:38
18 August 2025	Monday	22:26	10:38
19 August 2025	Tuesday	22:25	10:38
20 August 2025	Wednesday	22:25	10:37
21 August 2025	Thursday	22:25	10:37
22 August 2025	Friday	22:25	10:37
23 August 2025	Saturday	22:25	10:36
24 August 2025	Sunday	22:25	10:36
25 August 2025	Monday	22:24	10:36
26 August 2025	Tuesday	22:24	10:35
27 August 2025	Wednesday	22:24	10:35
28 August 2025	Thursday	22:24	10:35
29 August 2025	Friday	22:24	10:34
30 August 2025	Saturday	22:23	10:34
31 August 2025	Sunday	22:23	10:33

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:23	10:33
02 September 2025	Tuesday	22:23	10:33
03 September 2025	Wednesday	22:22	10:32
04 September 2025	Thursday	22:22	10:32
05 September 2025	Friday	22:22	10:31
06 September 2025	Saturday	22:22	10:31
07 September 2025	Sunday	22:21	10:31
08 September 2025	Monday	22:21	10:30
09 September 2025	Tuesday	22:21	10:30
10 September 2025	Wednesday	22:21	10:29
11 September 2025	Thursday	22:20	10:29
12 September 2025	Friday	22:20	10:28
13 September 2025	Saturday	22:20	10:28
14 September 2025	Sunday	22:20	10:27
15 September 2025	Monday	22:19	10:27
16 September 2025	Tuesday	22:19	10:27
17 September 2025	Wednesday	22:19	10:26
18 September 2025	Thursday	22:18	10:26
19 September 2025	Friday	22:18	10:25
20 September 2025	Saturday	22:18	10:25
21 September 2025	Sunday	22:18	10:24
22 September 2025	Monday	22:17	10:24
23 September 2025	Tuesday	22:17	10:23
24 September 2025	Wednesday	22:17	10:23
25 September 2025	Thursday	22:17	10:23
26 September 2025	Friday	22:16	10:22
27 September 2025	Saturday	22:16	10:22
28 September 2025	Sunday	22:16	10:21
29 September 2025	Monday	22:16	10:21
30 September 2025	Tuesday	22:15	10:21

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:15	10:20
02 October 2025	Thursday	22:15	10:20
03 October 2025	Friday	22:15	10:19
04 October 2025	Saturday	22:14	10:19
05 October 2025	Sunday	22:14	10:19
06 October 2025	Monday	22:14	10:18
07 October 2025	Tuesday	22:14	10:18
08 October 2025	Wednesday	22:13	10:17
09 October 2025	Thursday	22:13	10:17
10 October 2025	Friday	22:13	10:17
11 October 2025	Saturday	22:13	10:16
12 October 2025	Sunday	22:13	10:16
13 October 2025	Monday	22:13	10:16
14 October 2025	Tuesday	22:12	10:15
15 October 2025	Wednesday	22:12	10:15
16 October 2025	Thursday	22:12	10:15
17 October 2025	Friday	22:12	10:15
18 October 2025	Saturday	22:12	10:14
19 October 2025	Sunday	22:12	10:14
20 October 2025	Monday	22:12	10:14
21 October 2025	Tuesday	22:12	10:14
22 October 2025	Wednesday	22:11	10:13
23 October 2025	Thursday	22:11	10:13
24 October 2025	Friday	22:11	10:13
25 October 2025	Saturday	22:11	10:13
26 October 2025	Sunday	22:11	10:12
27 October 2025	Monday	22:11	10:12
28 October 2025	Tuesday	22:11	10:12
29 October 2025	Wednesday	22:11	10:12
30 October 2025	Thursday	22:11	10:12
31 October 2025	Friday	22:11	10:12

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:11	10:12
02 November 2025	Sunday	22:11	10:12
03 November 2025	Monday	22:11	10:12
04 November 2025	Tuesday	22:11	10:11
05 November 2025	Wednesday	22:12	10:11
06 November 2025	Thursday	22:12	10:11
07 November 2025	Friday	22:12	10:11
08 November 2025	Saturday	22:12	10:11
09 November 2025	Sunday	22:12	10:11
10 November 2025	Monday	22:12	10:11
11 November 2025	Tuesday	22:12	10:11
12 November 2025	Wednesday	22:12	10:12
13 November 2025	Thursday	22:13	10:12
14 November 2025	Friday	22:13	10:12
15 November 2025	Saturday	22:13	10:12
16 November 2025	Sunday	22:13	10:12
17 November 2025	Monday	22:14	10:12
18 November 2025	Tuesday	22:14	10:12
19 November 2025	Wednesday	22:14	10:12
20 November 2025	Thursday	22:14	10:13
21 November 2025	Friday	22:15	10:13
22 November 2025	Saturday	22:15	10:13
23 November 2025	Sunday	22:15	10:13
24 November 2025	Monday	22:16	10:13
25 November 2025	Tuesday	22:16	10:14
26 November 2025	Wednesday	22:16	10:14
27 November 2025	Thursday	22:17	10:14
28 November 2025	Friday	22:17	10:15
29 November 2025	Saturday	22:17	10:15
30 November 2025	Sunday	22:18	10:15

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:18	10:16
02 December 2025	Tuesday	22:19	10:16
03 December 2025	Wednesday	22:19	10:16
04 December 2025	Thursday	22:19	10:17
05 December 2025	Friday	22:20	10:17
06 December 2025	Saturday	22:20	10:17
07 December 2025	Sunday	22:21	10:18
08 December 2025	Monday	22:21	10:18
09 December 2025	Tuesday	22:22	10:19
10 December 2025	Wednesday	22:22	10:19
11 December 2025	Thursday	22:23	10:20
12 December 2025	Friday	22:23	10:20
13 December 2025	Saturday	22:24	10:20
14 December 2025	Sunday	22:24	10:21
15 December 2025	Monday	22:25	10:21
16 December 2025	Tuesday	22:25	10:22
17 December 2025	Wednesday	22:26	10:22
18 December 2025	Thursday	22:26	10:23
19 December 2025	Friday	22:27	10:23
20 December 2025	Saturday	22:27	10:24
21 December 2025	Sunday	22:28	10:24
22 December 2025	Monday	22:28	10:25
23 December 2025	Tuesday	22:29	10:25
24 December 2025	Wednesday	22:29	10:26
25 December 2025	Thursday	22:30	10:26
26 December 2025	Friday	22:30	10:27
27 December 2025	Saturday	22:31	10:27
28 December 2025	Sunday	22:31	10:28
29 December 2025	Monday	22:32	10:28
30 December 2025	Tuesday	22:32	10:29
31 December 2025	Wednesday	22:32	10:29

2.7.17 WBGG - KUCHING INTERNATIONAL

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	22:41	10:43
02 January 2025	Thursday	22:41	10:44
03 January 2025	Friday	22:42	10:44
04 January 2025	Saturday	22:42	10:45
05 January 2025	Sunday	22:43	10:45
06 January 2025	Monday	22:43	10:46
07 January 2025	Tuesday	22:44	10:46
08 January 2025	Wednesday	22:44	10:47
09 January 2025	Thursday	22:44	10:47
10 January 2025	Friday	22:45	10:47
11 January 2025	Saturday	22:45	10:48
12 January 2025	Sunday	22:46	10:48
13 January 2025	Monday	22:46	10:49
14 January 2025	Tuesday	22:46	10:49
15 January 2025	Wednesday	22:47	10:49
16 January 2025	Thursday	22:47	10:50
17 January 2025	Friday	22:47	10:50
18 January 2025	Saturday	22:48	10:50
19 January 2025	Sunday	22:48	10:51
20 January 2025	Monday	22:48	10:51
21 January 2025	Tuesday	22:48	10:51
22 January 2025	Wednesday	22:49	10:52
23 January 2025	Thursday	22:49	10:52
24 January 2025	Friday	22:49	10:52
25 January 2025	Saturday	22:49	10:52
26 January 2025	Sunday	22:50	10:53
27 January 2025	Monday	22:50	10:53
28 January 2025	Tuesday	22:50	10:53
29 January 2025	Wednesday	22:50	10:53
30 January 2025	Thursday	22:50	10:54
31 January 2025	Friday	22:50	10:54

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	22:51	10:54
02 February 2025	Sunday	22:51	10:54
03 February 2025	Monday	22:51	10:54
04 February 2025	Tuesday	22:51	10:54
05 February 2025	Wednesday	22:51	10:54
06 February 2025	Thursday	22:51	10:54
07 February 2025	Friday	22:51	10:55
08 February 2025	Saturday	22:51	10:55
09 February 2025	Sunday	22:51	10:55
10 February 2025	Monday	22:51	10:55
11 February 2025	Tuesday	22:51	10:55
12 February 2025	Wednesday	22:51	10:55
13 February 2025	Thursday	22:51	10:55
14 February 2025	Friday	22:51	10:55
15 February 2025	Saturday	22:51	10:55
16 February 2025	Sunday	22:51	10:55
17 February 2025	Monday	22:50	10:55
18 February 2025	Tuesday	22:50	10:55
19 February 2025	Wednesday	22:50	10:55
20 February 2025	Thursday	22:50	10:55
21 February 2025	Friday	22:50	10:54
22 February 2025	Saturday	22:50	10:54
23 February 2025	Sunday	22:50	10:54
24 February 2025	Monday	22:49	10:54
25 February 2025	Tuesday	22:49	10:54
26 February 2025	Wednesday	22:49	10:54
27 February 2025	Thursday	22:49	10:54
28 February 2025	Friday	22:49	10:54

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	22:48	10:53
02 March 2025	Sunday	22:48	10:53
03 March 2025	Monday	22:48	10:53
04 March 2025	Tuesday	22:48	10:53
05 March 2025	Wednesday	22:47	10:53
06 March 2025	Thursday	22:47	10:53
07 March 2025	Friday	22:47	10:52
08 March 2025	Saturday	22:47	10:52
09 March 2025	Sunday	22:46	10:52
10 March 2025	Monday	22:46	10:52
11 March 2025	Tuesday	22:46	10:52
12 March 2025	Wednesday	22:45	10:51
13 March 2025	Thursday	22:45	10:51
14 March 2025	Friday	22:45	10:51
15 March 2025	Saturday	22:45	10:51
16 March 2025	Sunday	22:44	10:50
17 March 2025	Monday	22:44	10:50
18 March 2025	Tuesday	22:44	10:50
19 March 2025	Wednesday	22:43	10:50
20 March 2025	Thursday	22:43	10:49
21 March 2025	Friday	22:43	10:49
22 March 2025	Saturday	22:42	10:49
23 March 2025	Sunday	22:42	10:49
24 March 2025	Monday	22:41	10:48
25 March 2025	Tuesday	22:41	10:48
26 March 2025	Wednesday	22:41	10:48
27 March 2025	Thursday	22:40	10:48
28 March 2025	Friday	22:40	10:47
29 March 2025	Saturday	22:40	10:47
30 March 2025	Sunday	22:39	10:47
31 March 2025	Monday	22:39	10:47

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	22:39	10:46
02 April 2025	Wednesday	22:38	10:46
03 April 2025	Thursday	22:38	10:46
04 April 2025	Friday	22:38	10:46
05 April 2025	Saturday	22:37	10:45
06 April 2025	Sunday	22:37	10:45
07 April 2025	Monday	22:37	10:45
08 April 2025	Tuesday	22:36	10:45
09 April 2025	Wednesday	22:36	10:44
10 April 2025	Thursday	22:36	10:44
11 April 2025	Friday	22:36	10:44
12 April 2025	Saturday	22:35	10:44
13 April 2025	Sunday	22:35	10:43
14 April 2025	Monday	22:35	10:43
15 April 2025	Tuesday	22:34	10:43
16 April 2025	Wednesday	22:34	10:43
17 April 2025	Thursday	22:34	10:43
18 April 2025	Friday	22:33	10:42
19 April 2025	Saturday	22:33	10:42
20 April 2025	Sunday	22:33	10:42
21 April 2025	Monday	22:33	10:42
22 April 2025	Tuesday	22:32	10:42
23 April 2025	Wednesday	22:32	10:42
24 April 2025	Thursday	22:32	10:42
25 April 2025	Friday	22:32	10:41
26 April 2025	Saturday	22:32	10:41
27 April 2025	Sunday	22:31	10:41
28 April 2025	Monday	22:31	10:41
29 April 2025	Tuesday	22:31	10:41
30 April 2025	Wednesday	22:31	10:41

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:31	10:41
02 May 2025	Friday	22:31	10:41
03 May 2025	Saturday	22:30	10:41
04 May 2025	Sunday	22:30	10:41
05 May 2025	Monday	22:30	10:41
06 May 2025	Tuesday	22:30	10:40
07 May 2025	Wednesday	22:30	10:40
08 May 2025	Thursday	22:30	10:40
09 May 2025	Friday	22:30	10:40
10 May 2025	Saturday	22:30	10:40
11 May 2025	Sunday	22:30	10:40
12 May 2025	Monday	22:30	10:40
13 May 2025	Tuesday	22:29	10:40
14 May 2025	Wednesday	22:29	10:40
15 May 2025	Thursday	22:29	10:41
16 May 2025	Friday	22:29	10:41
17 May 2025	Saturday	22:29	10:41
18 May 2025	Sunday	22:29	10:41
19 May 2025	Monday	22:29	10:41
20 May 2025	Tuesday	22:29	10:41
21 May 2025	Wednesday	22:29	10:41
22 May 2025	Thursday	22:30	10:41
23 May 2025	Friday	22:30	10:41
24 May 2025	Saturday	22:30	10:41
25 May 2025	Sunday	22:30	10:41
26 May 2025	Monday	22:30	10:42
27 May 2025	Tuesday	22:30	10:42
28 May 2025	Wednesday	22:30	10:42
29 May 2025	Thursday	22:30	10:42
30 May 2025	Friday	22:30	10:42
31 May 2025	Saturday	22:30	10:42

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:30	10:43
02 June 2025	Monday	22:31	10:43
03 June 2025	Tuesday	22:31	10:43
04 June 2025	Wednesday	22:31	10:43
05 June 2025	Thursday	22:31	10:43
06 June 2025	Friday	22:31	10:43
07 June 2025	Saturday	22:31	10:44
08 June 2025	Sunday	22:32	10:44
09 June 2025	Monday	22:32	10:44
10 June 2025	Tuesday	22:32	10:44
11 June 2025	Wednesday	22:32	10:44
12 June 2025	Thursday	22:32	10:45
13 June 2025	Friday	22:32	10:45
14 June 2025	Saturday	22:33	10:45
15 June 2025	Sunday	22:33	10:45
16 June 2025	Monday	22:33	10:46
17 June 2025	Tuesday	22:33	10:46
18 June 2025	Wednesday	22:34	10:46
19 June 2025	Thursday	22:34	10:46
20 June 2025	Friday	22:34	10:46
21 June 2025	Saturday	22:34	10:47
22 June 2025	Sunday	22:34	10:47
23 June 2025	Monday	22:35	10:47
24 June 2025	Tuesday	22:35	10:47
25 June 2025	Wednesday	22:35	10:48
26 June 2025	Thursday	22:35	10:48
27 June 2025	Friday	22:35	10:48
28 June 2025	Saturday	22:36	10:48
29 June 2025	Sunday	22:36	10:48
30 June 2025	Monday	22:36	10:49

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:36	10:49
02 July 2025	Wednesday	22:37	10:49
03 July 2025	Thursday	22:37	10:49
04 July 2025	Friday	22:37	10:49
05 July 2025	Saturday	22:37	10:49
06 July 2025	Sunday	22:37	10:50
07 July 2025	Monday	22:37	10:50
08 July 2025	Tuesday	22:38	10:50
09 July 2025	Wednesday	22:38	10:50
10 July 2025	Thursday	22:38	10:50
11 July 2025	Friday	22:38	10:50
12 July 2025	Saturday	22:38	10:50
13 July 2025	Sunday	22:38	10:50
14 July 2025	Monday	22:39	10:50
15 July 2025	Tuesday	22:39	10:51
16 July 2025	Wednesday	22:39	10:51
17 July 2025	Thursday	22:39	10:51
18 July 2025	Friday	22:39	10:51
19 July 2025	Saturday	22:39	10:51
20 July 2025	Sunday	22:39	10:51
21 July 2025	Monday	22:39	10:51
22 July 2025	Tuesday	22:39	10:51
23 July 2025	Wednesday	22:39	10:51
24 July 2025	Thursday	22:39	10:51
25 July 2025	Friday	22:40	10:51
26 July 2025	Saturday	22:40	10:51
27 July 2025	Sunday	22:40	10:51
28 July 2025	Monday	22:40	10:51
29 July 2025	Tuesday	22:40	10:51
30 July 2025	Wednesday	22:40	10:51
31 July 2025	Thursday	22:40	10:51

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	22:40	10:50
02 August 2025	Saturday	22:40	10:50
03 August 2025	Sunday	22:40	10:50
04 August 2025	Monday	22:39	10:50
05 August 2025	Tuesday	22:39	10:50
06 August 2025	Wednesday	22:39	10:50
07 August 2025	Thursday	22:39	10:50
08 August 2025	Friday	22:39	10:49
09 August 2025	Saturday	22:39	10:49
10 August 2025	Sunday	22:39	10:49
11 August 2025	Monday	22:39	10:49
12 August 2025	Tuesday	22:39	10:49
13 August 2025	Wednesday	22:39	10:48
14 August 2025	Thursday	22:38	10:48
15 August 2025	Friday	22:38	10:48
16 August 2025	Saturday	22:38	10:48
17 August 2025	Sunday	22:38	10:47
18 August 2025	Monday	22:38	10:47
19 August 2025	Tuesday	22:38	10:47
20 August 2025	Wednesday	22:37	10:47
21 August 2025	Thursday	22:37	10:46
22 August 2025	Friday	22:37	10:46
23 August 2025	Saturday	22:37	10:46
24 August 2025	Sunday	22:37	10:46
25 August 2025	Monday	22:36	10:45
26 August 2025	Tuesday	22:36	10:45
27 August 2025	Wednesday	22:36	10:45
28 August 2025	Thursday	22:36	10:44
29 August 2025	Friday	22:35	10:44
30 August 2025	Saturday	22:35	10:44
31 August 2025	Sunday	22:35	10:43

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:35	10:43
02 September 2025	Tuesday	22:34	10:42
03 September 2025	Wednesday	22:34	10:42
04 September 2025	Thursday	22:34	10:42
05 September 2025	Friday	22:33	10:41
06 September 2025	Saturday	22:33	10:41
07 September 2025	Sunday	22:33	10:41
08 September 2025	Monday	22:32	10:40
09 September 2025	Tuesday	22:32	10:40
10 September 2025	Wednesday	22:32	10:39
11 September 2025	Thursday	22:32	10:39
12 September 2025	Friday	22:31	10:39
13 September 2025	Saturday	22:31	10:38
14 September 2025	Sunday	22:31	10:38
15 September 2025	Monday	22:30	10:37
16 September 2025	Tuesday	22:30	10:37
17 September 2025	Wednesday	22:30	10:37
18 September 2025	Thursday	22:29	10:36
19 September 2025	Friday	22:29	10:36
20 September 2025	Saturday	22:29	10:35
21 September 2025	Sunday	22:28	10:35
22 September 2025	Monday	22:28	10:35
23 September 2025	Tuesday	22:28	10:34
24 September 2025	Wednesday	22:27	10:34
25 September 2025	Thursday	22:27	10:33
26 September 2025	Friday	22:27	10:33
27 September 2025	Saturday	22:27	10:33
28 September 2025	Sunday	22:26	10:32
29 September 2025	Monday	22:26	10:32
30 September 2025	Tuesday	22:26	10:32

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:25	10:31
02 October 2025	Thursday	22:25	10:31
03 October 2025	Friday	22:25	10:31
04 October 2025	Saturday	22:25	10:30
05 October 2025	Sunday	22:24	10:30
06 October 2025	Monday	22:24	10:29
07 October 2025	Tuesday	22:24	10:29
08 October 2025	Wednesday	22:24	10:29
09 October 2025	Thursday	22:23	10:29
10 October 2025	Friday	22:23	10:28
11 October 2025	Saturday	22:23	10:28
12 October 2025	Sunday	22:23	10:28
13 October 2025	Monday	22:22	10:27
14 October 2025	Tuesday	22:22	10:27
15 October 2025	Wednesday	22:22	10:27
16 October 2025	Thursday	22:22	10:27
17 October 2025	Friday	22:22	10:26
18 October 2025	Saturday	22:21	10:26
19 October 2025	Sunday	22:21	10:26
20 October 2025	Monday	22:21	10:26
21 October 2025	Tuesday	22:21	10:25
22 October 2025	Wednesday	22:21	10:25
23 October 2025	Thursday	22:21	10:25
24 October 2025	Friday	22:21	10:25
25 October 2025	Saturday	22:21	10:25
26 October 2025	Sunday	22:21	10:25
27 October 2025	Monday	22:20	10:25
28 October 2025	Tuesday	22:20	10:24
29 October 2025	Wednesday	22:20	10:24
30 October 2025	Thursday	22:20	10:24
31 October 2025	Friday	22:20	10:24

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:20	10:24
02 November 2025	Sunday	22:20	10:24
03 November 2025	Monday	22:20	10:24
04 November 2025	Tuesday	22:20	10:24
05 November 2025	Wednesday	22:20	10:24
06 November 2025	Thursday	22:20	10:24
07 November 2025	Friday	22:21	10:24
08 November 2025	Saturday	22:21	10:24
09 November 2025	Sunday	22:21	10:24
10 November 2025	Monday	22:21	10:24
11 November 2025	Tuesday	22:21	10:24
12 November 2025	Wednesday	22:21	10:24
13 November 2025	Thursday	22:21	10:24
14 November 2025	Friday	22:21	10:25
15 November 2025	Saturday	22:22	10:25
16 November 2025	Sunday	22:22	10:25
17 November 2025	Monday	22:22	10:25
18 November 2025	Tuesday	22:22	10:25
19 November 2025	Wednesday	22:23	10:25
20 November 2025	Thursday	22:23	10:26
21 November 2025	Friday	22:23	10:26
22 November 2025	Saturday	22:23	10:26
23 November 2025	Sunday	22:24	10:26
24 November 2025	Monday	22:24	10:27
25 November 2025	Tuesday	22:24	10:27
26 November 2025	Wednesday	22:25	10:27
27 November 2025	Thursday	22:25	10:28
28 November 2025	Friday	22:25	10:28
29 November 2025	Saturday	22:26	10:28
30 November 2025	Sunday	22:26	10:29

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:26	10:29
02 December 2025	Tuesday	22:27	10:29
03 December 2025	Wednesday	22:27	10:30
04 December 2025	Thursday	22:28	10:30
05 December 2025	Friday	22:28	10:30
06 December 2025	Saturday	22:28	10:31
07 December 2025	Sunday	22:29	10:31
08 December 2025	Monday	22:29	10:32
09 December 2025	Tuesday	22:30	10:32
10 December 2025	Wednesday	22:30	10:33
11 December 2025	Thursday	22:31	10:33
12 December 2025	Friday	22:31	10:33
13 December 2025	Saturday	22:32	10:34
14 December 2025	Sunday	22:32	10:34
15 December 2025	Monday	22:33	10:35
16 December 2025	Tuesday	22:33	10:35
17 December 2025	Wednesday	22:34	10:36
18 December 2025	Thursday	22:34	10:36
19 December 2025	Friday	22:35	10:37
20 December 2025	Saturday	22:35	10:37
21 December 2025	Sunday	22:35	10:38
22 December 2025	Monday	22:36	10:38
23 December 2025	Tuesday	22:36	10:39
24 December 2025	Wednesday	22:37	10:39
25 December 2025	Thursday	22:37	10:40
26 December 2025	Friday	22:38	10:40
27 December 2025	Saturday	22:38	10:41
28 December 2025	Sunday	22:39	10:41
29 December 2025	Monday	22:39	10:42
30 December 2025	Tuesday	22:40	10:42
31 December 2025	Wednesday	22:40	10:43

2.7.18 WBGR - MIRI

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	22:31	10:24
02 January 2025	Thursday	22:32	10:24
03 January 2025	Friday	22:32	10:25
04 January 2025	Saturday	22:33	10:25
05 January 2025	Sunday	22:33	10:26
06 January 2025	Monday	22:33	10:26
07 January 2025	Tuesday	22:34	10:27
08 January 2025	Wednesday	22:34	10:27
09 January 2025	Thursday	22:34	10:28
10 January 2025	Friday	22:35	10:28
11 January 2025	Saturday	22:35	10:29
12 January 2025	Sunday	22:36	10:29
13 January 2025	Monday	22:36	10:30
14 January 2025	Tuesday	22:36	10:30
15 January 2025	Wednesday	22:36	10:30
16 January 2025	Thursday	22:37	10:31
17 January 2025	Friday	22:37	10:31
18 January 2025	Saturday	22:37	10:32
19 January 2025	Sunday	22:38	10:32
20 January 2025	Monday	22:38	10:32
21 January 2025	Tuesday	22:38	10:33
22 January 2025	Wednesday	22:38	10:33
23 January 2025	Thursday	22:38	10:33
24 January 2025	Friday	22:39	10:34
25 January 2025	Saturday	22:39	10:34
26 January 2025	Sunday	22:39	10:34
27 January 2025	Monday	22:39	10:35
28 January 2025	Tuesday	22:39	10:35
29 January 2025	Wednesday	22:39	10:35
30 January 2025	Thursday	22:39	10:35
31 January 2025	Friday	22:39	10:36

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	22:39	10:36
02 February 2025	Sunday	22:39	10:36
03 February 2025	Monday	22:39	10:36
04 February 2025	Tuesday	22:39	10:36
05 February 2025	Wednesday	22:39	10:37
06 February 2025	Thursday	22:39	10:37
07 February 2025	Friday	22:39	10:37
08 February 2025	Saturday	22:39	10:37
09 February 2025	Sunday	22:39	10:37
10 February 2025	Monday	22:39	10:37
11 February 2025	Tuesday	22:39	10:37
12 February 2025	Wednesday	22:39	10:38
13 February 2025	Thursday	22:39	10:38
14 February 2025	Friday	22:39	10:38
15 February 2025	Saturday	22:39	10:38
16 February 2025	Sunday	22:38	10:38
17 February 2025	Monday	22:38	10:38
18 February 2025	Tuesday	22:38	10:38
19 February 2025	Wednesday	22:38	10:38
20 February 2025	Thursday	22:38	10:38
21 February 2025	Friday	22:37	10:38
22 February 2025	Saturday	22:37	10:38
23 February 2025	Sunday	22:37	10:38
24 February 2025	Monday	22:37	10:38
25 February 2025	Tuesday	22:37	10:38
26 February 2025	Wednesday	22:36	10:38
27 February 2025	Thursday	22:36	10:38
28 February 2025	Friday	22:36	10:38

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	22:35	10:37
02 March 2025	Sunday	22:35	10:37
03 March 2025	Monday	22:35	10:37
04 March 2025	Tuesday	22:34	10:37
05 March 2025	Wednesday	22:34	10:37
06 March 2025	Thursday	22:34	10:37
07 March 2025	Friday	22:33	10:37
08 March 2025	Saturday	22:33	10:37
09 March 2025	Sunday	22:33	10:37
10 March 2025	Monday	22:32	10:36
11 March 2025	Tuesday	22:32	10:36
12 March 2025	Wednesday	22:32	10:36
13 March 2025	Thursday	22:31	10:36
14 March 2025	Friday	22:31	10:36
15 March 2025	Saturday	22:30	10:36
16 March 2025	Sunday	22:30	10:35
17 March 2025	Monday	22:30	10:35
18 March 2025	Tuesday	22:29	10:35
19 March 2025	Wednesday	22:29	10:35
20 March 2025	Thursday	22:28	10:35
21 March 2025	Friday	22:28	10:35
22 March 2025	Saturday	22:27	10:34
23 March 2025	Sunday	22:27	10:34
24 March 2025	Monday	22:27	10:34
25 March 2025	Tuesday	22:26	10:34
26 March 2025	Wednesday	22:26	10:34
27 March 2025	Thursday	22:25	10:34
28 March 2025	Friday	22:25	10:33
29 March 2025	Saturday	22:25	10:33
30 March 2025	Sunday	22:24	10:33
31 March 2025	Monday	22:24	10:33

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	22:23	10:33
02 April 2025	Wednesday	22:23	10:32
03 April 2025	Thursday	22:22	10:32
04 April 2025	Friday	22:22	10:32
05 April 2025	Saturday	22:22	10:32
06 April 2025	Sunday	22:21	10:32
07 April 2025	Monday	22:21	10:32
08 April 2025	Tuesday	22:20	10:31
09 April 2025	Wednesday	22:20	10:31
10 April 2025	Thursday	22:20	10:31
11 April 2025	Friday	22:19	10:31
12 April 2025	Saturday	22:19	10:31
13 April 2025	Sunday	22:19	10:31
14 April 2025	Monday	22:18	10:31
15 April 2025	Tuesday	22:18	10:30
16 April 2025	Wednesday	22:17	10:30
17 April 2025	Thursday	22:17	10:30
18 April 2025	Friday	22:17	10:30
19 April 2025	Saturday	22:16	10:30
20 April 2025	Sunday	22:16	10:30
21 April 2025	Monday	22:16	10:30
22 April 2025	Tuesday	22:15	10:30
23 April 2025	Wednesday	22:15	10:30
24 April 2025	Thursday	22:15	10:30
25 April 2025	Friday	22:15	10:30
26 April 2025	Saturday	22:14	10:29
27 April 2025	Sunday	22:14	10:29
28 April 2025	Monday	22:14	10:29
29 April 2025	Tuesday	22:14	10:29
30 April 2025	Wednesday	22:13	10:29

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:13	10:29
02 May 2025	Friday	22:13	10:29
03 May 2025	Saturday	22:13	10:29
04 May 2025	Sunday	22:12	10:29
05 May 2025	Monday	22:12	10:29
06 May 2025	Tuesday	22:12	10:29
07 May 2025	Wednesday	22:12	10:29
08 May 2025	Thursday	22:12	10:29
09 May 2025	Friday	22:12	10:29
10 May 2025	Saturday	22:11	10:29
11 May 2025	Sunday	22:11	10:30
12 May 2025	Monday	22:11	10:30
13 May 2025	Tuesday	22:11	10:30
14 May 2025	Wednesday	22:11	10:30
15 May 2025	Thursday	22:11	10:30
16 May 2025	Friday	22:11	10:30
17 May 2025	Saturday	22:11	10:30
18 May 2025	Sunday	22:11	10:30
19 May 2025	Monday	22:11	10:30
20 May 2025	Tuesday	22:11	10:30
21 May 2025	Wednesday	22:11	10:31
22 May 2025	Thursday	22:11	10:31
23 May 2025	Friday	22:11	10:31
24 May 2025	Saturday	22:11	10:31
25 May 2025	Sunday	22:11	10:31
26 May 2025	Monday	22:11	10:31
27 May 2025	Tuesday	22:11	10:32
28 May 2025	Wednesday	22:11	10:32
29 May 2025	Thursday	22:11	10:32
30 May 2025	Friday	22:11	10:32
31 May 2025	Saturday	22:11	10:32

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:11	10:33
02 June 2025	Monday	22:11	10:33
03 June 2025	Tuesday	22:11	10:33
04 June 2025	Wednesday	22:12	10:33
05 June 2025	Thursday	22:12	10:33
06 June 2025	Friday	22:12	10:34
07 June 2025	Saturday	22:12	10:34
08 June 2025	Sunday	22:12	10:34
09 June 2025	Monday	22:12	10:34
10 June 2025	Tuesday	22:12	10:35
11 June 2025	Wednesday	22:13	10:35
12 June 2025	Thursday	22:13	10:35
13 June 2025	Friday	22:13	10:35
14 June 2025	Saturday	22:13	10:35
15 June 2025	Sunday	22:13	10:36
16 June 2025	Monday	22:14	10:36
17 June 2025	Tuesday	22:14	10:36
18 June 2025	Wednesday	22:14	10:36
19 June 2025	Thursday	22:14	10:37
20 June 2025	Friday	22:14	10:37
21 June 2025	Saturday	22:15	10:37
22 June 2025	Sunday	22:15	10:37
23 June 2025	Monday	22:15	10:37
24 June 2025	Tuesday	22:15	10:38
25 June 2025	Wednesday	22:16	10:38
26 June 2025	Thursday	22:16	10:38
27 June 2025	Friday	22:16	10:38
28 June 2025	Saturday	22:16	10:38
29 June 2025	Sunday	22:16	10:39
30 June 2025	Monday	22:17	10:39

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:17	10:39
02 July 2025	Wednesday	22:17	10:39
03 July 2025	Thursday	22:17	10:39
04 July 2025	Friday	22:18	10:39
05 July 2025	Saturday	22:18	10:40
06 July 2025	Sunday	22:18	10:40
07 July 2025	Monday	22:18	10:40
08 July 2025	Tuesday	22:18	10:40
09 July 2025	Wednesday	22:19	10:40
10 July 2025	Thursday	22:19	10:40
11 July 2025	Friday	22:19	10:40
12 July 2025	Saturday	22:19	10:40
13 July 2025	Sunday	22:19	10:40
14 July 2025	Monday	22:19	10:40
15 July 2025	Tuesday	22:20	10:40
16 July 2025	Wednesday	22:20	10:41
17 July 2025	Thursday	22:20	10:41
18 July 2025	Friday	22:20	10:41
19 July 2025	Saturday	22:20	10:41
20 July 2025	Sunday	22:20	10:41
21 July 2025	Monday	22:20	10:41
22 July 2025	Tuesday	22:21	10:40
23 July 2025	Wednesday	22:21	10:40
24 July 2025	Thursday	22:21	10:40
25 July 2025	Friday	22:21	10:40
26 July 2025	Saturday	22:21	10:40
27 July 2025	Sunday	22:21	10:40
28 July 2025	Monday	22:21	10:40
29 July 2025	Tuesday	22:21	10:40
30 July 2025	Wednesday	22:21	10:40
31 July 2025	Thursday	22:21	10:40

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	22:21	10:40
02 August 2025	Saturday	22:21	10:39
03 August 2025	Sunday	22:21	10:39
04 August 2025	Monday	22:21	10:39
05 August 2025	Tuesday	22:21	10:39
06 August 2025	Wednesday	22:21	10:39
07 August 2025	Thursday	22:21	10:38
08 August 2025	Friday	22:21	10:38
09 August 2025	Saturday	22:21	10:38
10 August 2025	Sunday	22:21	10:38
11 August 2025	Monday	22:21	10:37
12 August 2025	Tuesday	22:21	10:37
13 August 2025	Wednesday	22:21	10:37
14 August 2025	Thursday	22:21	10:37
15 August 2025	Friday	22:21	10:36
16 August 2025	Saturday	22:21	10:36
17 August 2025	Sunday	22:21	10:36
18 August 2025	Monday	22:21	10:35
19 August 2025	Tuesday	22:20	10:35
20 August 2025	Wednesday	22:20	10:35
21 August 2025	Thursday	22:20	10:34
22 August 2025	Friday	22:20	10:34
23 August 2025	Saturday	22:20	10:34
24 August 2025	Sunday	22:20	10:33
25 August 2025	Monday	22:20	10:33
26 August 2025	Tuesday	22:19	10:32
27 August 2025	Wednesday	22:19	10:32
28 August 2025	Thursday	22:19	10:32
29 August 2025	Friday	22:19	10:31
30 August 2025	Saturday	22:19	10:31
31 August 2025	Sunday	22:18	10:30

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:18	10:30
02 September 2025	Tuesday	22:18	10:29
03 September 2025	Wednesday	22:18	10:29
04 September 2025	Thursday	22:18	10:29
05 September 2025	Friday	22:17	10:28
06 September 2025	Saturday	22:17	10:28
07 September 2025	Sunday	22:17	10:27
08 September 2025	Monday	22:17	10:27
09 September 2025	Tuesday	22:17	10:26
10 September 2025	Wednesday	22:16	10:26
11 September 2025	Thursday	22:16	10:25
12 September 2025	Friday	22:16	10:25
13 September 2025	Saturday	22:16	10:24
14 September 2025	Sunday	22:15	10:24
15 September 2025	Monday	22:15	10:23
16 September 2025	Tuesday	22:15	10:23
17 September 2025	Wednesday	22:15	10:22
18 September 2025	Thursday	22:14	10:22
19 September 2025	Friday	22:14	10:22
20 September 2025	Saturday	22:14	10:21
21 September 2025	Sunday	22:14	10:21
22 September 2025	Monday	22:13	10:20
23 September 2025	Tuesday	22:13	10:20
24 September 2025	Wednesday	22:13	10:19
25 September 2025	Thursday	22:13	10:19
26 September 2025	Friday	22:13	10:18
27 September 2025	Saturday	22:12	10:18
28 September 2025	Sunday	22:12	10:17
29 September 2025	Monday	22:12	10:17
30 September 2025	Tuesday	22:12	10:16

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:11	10:16
02 October 2025	Thursday	22:11	10:16
03 October 2025	Friday	22:11	10:15
04 October 2025	Saturday	22:11	10:15
05 October 2025	Sunday	22:11	10:14
06 October 2025	Monday	22:10	10:14
07 October 2025	Tuesday	22:10	10:13
08 October 2025	Wednesday	22:10	10:13
09 October 2025	Thursday	22:10	10:13
10 October 2025	Friday	22:10	10:12
11 October 2025	Saturday	22:10	10:12
12 October 2025	Sunday	22:10	10:12
13 October 2025	Monday	22:09	10:11
14 October 2025	Tuesday	22:09	10:11
15 October 2025	Wednesday	22:09	10:11
16 October 2025	Thursday	22:09	10:10
17 October 2025	Friday	22:09	10:10
18 October 2025	Saturday	22:09	10:10
19 October 2025	Sunday	22:09	10:09
20 October 2025	Monday	22:09	10:09
21 October 2025	Tuesday	22:09	10:09
22 October 2025	Wednesday	22:09	10:08
23 October 2025	Thursday	22:09	10:08
24 October 2025	Friday	22:09	10:08
25 October 2025	Saturday	22:08	10:08
26 October 2025	Sunday	22:08	10:08
27 October 2025	Monday	22:08	10:07
28 October 2025	Tuesday	22:08	10:07
29 October 2025	Wednesday	22:09	10:07
30 October 2025	Thursday	22:09	10:07
31 October 2025	Friday	22:09	10:07

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:09	10:07
02 November 2025	Sunday	22:09	10:06
03 November 2025	Monday	22:09	10:06
04 November 2025	Tuesday	22:09	10:06
05 November 2025	Wednesday	22:09	10:06
06 November 2025	Thursday	22:09	10:06
07 November 2025	Friday	22:09	10:06
08 November 2025	Saturday	22:09	10:06
09 November 2025	Sunday	22:10	10:06
10 November 2025	Monday	22:10	10:06
11 November 2025	Tuesday	22:10	10:06
12 November 2025	Wednesday	22:10	10:06
13 November 2025	Thursday	22:10	10:06
14 November 2025	Friday	22:11	10:06
15 November 2025	Saturday	22:11	10:06
16 November 2025	Sunday	22:11	10:06
17 November 2025	Monday	22:11	10:07
18 November 2025	Tuesday	22:12	10:07
19 November 2025	Wednesday	22:12	10:07
20 November 2025	Thursday	22:12	10:07
21 November 2025	Friday	22:13	10:07
22 November 2025	Saturday	22:13	10:07
23 November 2025	Sunday	22:13	10:08
24 November 2025	Monday	22:14	10:08
25 November 2025	Tuesday	22:14	10:08
26 November 2025	Wednesday	22:14	10:08
27 November 2025	Thursday	22:15	10:09
28 November 2025	Friday	22:15	10:09
29 November 2025	Saturday	22:15	10:09
30 November 2025	Sunday	22:16	10:09

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:16	10:10
02 December 2025	Tuesday	22:17	10:10
03 December 2025	Wednesday	22:17	10:10
04 December 2025	Thursday	22:18	10:11
05 December 2025	Friday	22:18	10:11
06 December 2025	Saturday	22:19	10:12
07 December 2025	Sunday	22:19	10:12
08 December 2025	Monday	22:19	10:12
09 December 2025	Tuesday	22:20	10:13
10 December 2025	Wednesday	22:20	10:13
11 December 2025	Thursday	22:21	10:14
12 December 2025	Friday	22:21	10:14
13 December 2025	Saturday	22:22	10:15
14 December 2025	Sunday	22:22	10:15
15 December 2025	Monday	22:23	10:15
16 December 2025	Tuesday	22:23	10:16
17 December 2025	Wednesday	22:24	10:16
18 December 2025	Thursday	22:24	10:17
19 December 2025	Friday	22:25	10:17
20 December 2025	Saturday	22:25	10:18
21 December 2025	Sunday	22:26	10:18
22 December 2025	Monday	22:26	10:19
23 December 2025	Tuesday	22:27	10:19
24 December 2025	Wednesday	22:27	10:20
25 December 2025	Thursday	22:28	10:20
26 December 2025	Friday	22:28	10:21
27 December 2025	Saturday	22:29	10:21
28 December 2025	Sunday	22:29	10:22
29 December 2025	Monday	22:30	10:22
30 December 2025	Tuesday	22:30	10:23
31 December 2025	Wednesday	22:31	10:23

2.7.19 WBGS - SIBU

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	22:36	10:35
02 January 2025	Thursday	22:36	10:36
03 January 2025	Friday	22:37	10:36
04 January 2025	Saturday	22:37	10:37
05 January 2025	Sunday	22:37	10:37
06 January 2025	Monday	22:38	10:38
07 January 2025	Tuesday	22:38	10:38
08 January 2025	Wednesday	22:39	10:39
09 January 2025	Thursday	22:39	10:39
10 January 2025	Friday	22:40	10:40
11 January 2025	Saturday	22:40	10:40
12 January 2025	Sunday	22:40	10:40
13 January 2025	Monday	22:41	10:41
14 January 2025	Tuesday	22:41	10:41
15 January 2025	Wednesday	22:41	10:42
16 January 2025	Thursday	22:42	10:42
17 January 2025	Friday	22:42	10:42
18 January 2025	Saturday	22:42	10:43
19 January 2025	Sunday	22:42	10:43
20 January 2025	Monday	22:43	10:43
21 January 2025	Tuesday	22:43	10:44
22 January 2025	Wednesday	22:43	10:44
23 January 2025	Thursday	22:43	10:44
24 January 2025	Friday	22:44	10:45
25 January 2025	Saturday	22:44	10:45
26 January 2025	Sunday	22:44	10:45
27 January 2025	Monday	22:44	10:45
28 January 2025	Tuesday	22:44	10:46
29 January 2025	Wednesday	22:45	10:46
30 January 2025	Thursday	22:45	10:46
31 January 2025	Friday	22:45	10:46

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	22:45	10:46
02 February 2025	Sunday	22:45	10:47
03 February 2025	Monday	22:45	10:47
04 February 2025	Tuesday	22:45	10:47
05 February 2025	Wednesday	22:45	10:47
06 February 2025	Thursday	22:45	10:47
07 February 2025	Friday	22:45	10:47
08 February 2025	Saturday	22:45	10:47
09 February 2025	Sunday	22:45	10:47
10 February 2025	Monday	22:45	10:47
11 February 2025	Tuesday	22:45	10:47
12 February 2025	Wednesday	22:45	10:47
13 February 2025	Thursday	22:45	10:48
14 February 2025	Friday	22:45	10:48
15 February 2025	Saturday	22:45	10:48
16 February 2025	Sunday	22:45	10:48
17 February 2025	Monday	22:45	10:48
18 February 2025	Tuesday	22:44	10:47
19 February 2025	Wednesday	22:44	10:47
20 February 2025	Thursday	22:44	10:47
21 February 2025	Friday	22:44	10:47
22 February 2025	Saturday	22:44	10:47
23 February 2025	Sunday	22:44	10:47
24 February 2025	Monday	22:43	10:47
25 February 2025	Tuesday	22:43	10:47
26 February 2025	Wednesday	22:43	10:47
27 February 2025	Thursday	22:43	10:47
28 February 2025	Friday	22:43	10:47

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	22:42	10:47
02 March 2025	Sunday	22:42	10:46
03 March 2025	Monday	22:42	10:46
04 March 2025	Tuesday	22:41	10:46
05 March 2025	Wednesday	22:41	10:46
06 March 2025	Thursday	22:41	10:46
07 March 2025	Friday	22:41	10:46
08 March 2025	Saturday	22:40	10:45
09 March 2025	Sunday	22:40	10:45
10 March 2025	Monday	22:40	10:45
11 March 2025	Tuesday	22:39	10:45
12 March 2025	Wednesday	22:39	10:45
13 March 2025	Thursday	22:39	10:44
14 March 2025	Friday	22:38	10:44
15 March 2025	Saturday	22:38	10:44
16 March 2025	Sunday	22:38	10:44
17 March 2025	Monday	22:37	10:43
18 March 2025	Tuesday	22:37	10:43
19 March 2025	Wednesday	22:37	10:43
20 March 2025	Thursday	22:36	10:43
21 March 2025	Friday	22:36	10:43
22 March 2025	Saturday	22:36	10:42
23 March 2025	Sunday	22:35	10:42
24 March 2025	Monday	22:35	10:42
25 March 2025	Tuesday	22:34	10:42
26 March 2025	Wednesday	22:34	10:41
27 March 2025	Thursday	22:34	10:41
28 March 2025	Friday	22:33	10:41
29 March 2025	Saturday	22:33	10:41
30 March 2025	Sunday	22:33	10:40
31 March 2025	Monday	22:32	10:40

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	22:32	10:40
02 April 2025	Wednesday	22:32	10:40
03 April 2025	Thursday	22:31	10:39
04 April 2025	Friday	22:31	10:39
05 April 2025	Saturday	22:31	10:39
06 April 2025	Sunday	22:30	10:39
07 April 2025	Monday	22:30	10:39
08 April 2025	Tuesday	22:29	10:38
09 April 2025	Wednesday	22:29	10:38
10 April 2025	Thursday	22:29	10:38
11 April 2025	Friday	22:28	10:38
12 April 2025	Saturday	22:28	10:38
13 April 2025	Sunday	22:28	10:37
14 April 2025	Monday	22:28	10:37
15 April 2025	Tuesday	22:27	10:37
16 April 2025	Wednesday	22:27	10:37
17 April 2025	Thursday	22:27	10:37
18 April 2025	Friday	22:26	10:36
19 April 2025	Saturday	22:26	10:36
20 April 2025	Sunday	22:26	10:36
21 April 2025	Monday	22:26	10:36
22 April 2025	Tuesday	22:25	10:36
23 April 2025	Wednesday	22:25	10:36
24 April 2025	Thursday	22:25	10:36
25 April 2025	Friday	22:25	10:36
26 April 2025	Saturday	22:24	10:35
27 April 2025	Sunday	22:24	10:35
28 April 2025	Monday	22:24	10:35
29 April 2025	Tuesday	22:24	10:35
30 April 2025	Wednesday	22:23	10:35

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:23	10:35
02 May 2025	Friday	22:23	10:35
03 May 2025	Saturday	22:23	10:35
04 May 2025	Sunday	22:23	10:35
05 May 2025	Monday	22:23	10:35
06 May 2025	Tuesday	22:23	10:35
07 May 2025	Wednesday	22:22	10:35
08 May 2025	Thursday	22:22	10:35
09 May 2025	Friday	22:22	10:35
10 May 2025	Saturday	22:22	10:35
11 May 2025	Sunday	22:22	10:35
12 May 2025	Monday	22:22	10:35
13 May 2025	Tuesday	22:22	10:35
14 May 2025	Wednesday	22:22	10:35
15 May 2025	Thursday	22:22	10:35
16 May 2025	Friday	22:22	10:35
17 May 2025	Saturday	22:22	10:35
18 May 2025	Sunday	22:22	10:35
19 May 2025	Monday	22:22	10:35
20 May 2025	Tuesday	22:22	10:35
21 May 2025	Wednesday	22:22	10:36
22 May 2025	Thursday	22:22	10:36
23 May 2025	Friday	22:22	10:36
24 May 2025	Saturday	22:22	10:36
25 May 2025	Sunday	22:22	10:36
26 May 2025	Monday	22:22	10:36
27 May 2025	Tuesday	22:22	10:36
28 May 2025	Wednesday	22:22	10:37
29 May 2025	Thursday	22:22	10:37
30 May 2025	Friday	22:22	10:37
31 May 2025	Saturday	22:22	10:37

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:23	10:37
02 June 2025	Monday	22:23	10:37
03 June 2025	Tuesday	22:23	10:38
04 June 2025	Wednesday	22:23	10:38
05 June 2025	Thursday	22:23	10:38
06 June 2025	Friday	22:23	10:38
07 June 2025	Saturday	22:23	10:38
08 June 2025	Sunday	22:24	10:39
09 June 2025	Monday	22:24	10:39
10 June 2025	Tuesday	22:24	10:39
11 June 2025	Wednesday	22:24	10:39
12 June 2025	Thursday	22:24	10:39
13 June 2025	Friday	22:25	10:40
14 June 2025	Saturday	22:25	10:40
15 June 2025	Sunday	22:25	10:40
16 June 2025	Monday	22:25	10:40
17 June 2025	Tuesday	22:25	10:41
18 June 2025	Wednesday	22:26	10:41
19 June 2025	Thursday	22:26	10:41
20 June 2025	Friday	22:26	10:41
21 June 2025	Saturday	22:26	10:41
22 June 2025	Sunday	22:26	10:42
23 June 2025	Monday	22:27	10:42
24 June 2025	Tuesday	22:27	10:42
25 June 2025	Wednesday	22:27	10:42
26 June 2025	Thursday	22:27	10:43
27 June 2025	Friday	22:28	10:43
28 June 2025	Saturday	22:28	10:43
29 June 2025	Sunday	22:28	10:43
30 June 2025	Monday	22:28	10:43

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:28	10:43
02 July 2025	Wednesday	22:29	10:44
03 July 2025	Thursday	22:29	10:44
04 July 2025	Friday	22:29	10:44
05 July 2025	Saturday	22:29	10:44
06 July 2025	Sunday	22:29	10:44
07 July 2025	Monday	22:30	10:44
08 July 2025	Tuesday	22:30	10:45
09 July 2025	Wednesday	22:30	10:45
10 July 2025	Thursday	22:30	10:45
11 July 2025	Friday	22:30	10:45
12 July 2025	Saturday	22:30	10:45
13 July 2025	Sunday	22:31	10:45
14 July 2025	Monday	22:31	10:45
15 July 2025	Tuesday	22:31	10:45
16 July 2025	Wednesday	22:31	10:45
17 July 2025	Thursday	22:31	10:45
18 July 2025	Friday	22:31	10:45
19 July 2025	Saturday	22:31	10:45
20 July 2025	Sunday	22:31	10:45
21 July 2025	Monday	22:32	10:45
22 July 2025	Tuesday	22:32	10:45
23 July 2025	Wednesday	22:32	10:45
24 July 2025	Thursday	22:32	10:45
25 July 2025	Friday	22:32	10:45
26 July 2025	Saturday	22:32	10:45
27 July 2025	Sunday	22:32	10:45
28 July 2025	Monday	22:32	10:45
29 July 2025	Tuesday	22:32	10:45
30 July 2025	Wednesday	22:32	10:45
31 July 2025	Thursday	22:32	10:45

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	22:32	10:45
02 August 2025	Saturday	22:32	10:45
03 August 2025	Sunday	22:32	10:45
04 August 2025	Monday	22:32	10:44
05 August 2025	Tuesday	22:32	10:44
06 August 2025	Wednesday	22:32	10:44
07 August 2025	Thursday	22:32	10:44
08 August 2025	Friday	22:32	10:44
09 August 2025	Saturday	22:32	10:44
10 August 2025	Sunday	22:32	10:43
11 August 2025	Monday	22:31	10:43
12 August 2025	Tuesday	22:31	10:43
13 August 2025	Wednesday	22:31	10:43
14 August 2025	Thursday	22:31	10:42
15 August 2025	Friday	22:31	10:42
16 August 2025	Saturday	22:31	10:42
17 August 2025	Sunday	22:31	10:42
18 August 2025	Monday	22:30	10:41
19 August 2025	Tuesday	22:30	10:41
20 August 2025	Wednesday	22:30	10:41
21 August 2025	Thursday	22:30	10:40
22 August 2025	Friday	22:30	10:40
23 August 2025	Saturday	22:30	10:40
24 August 2025	Sunday	22:29	10:40
25 August 2025	Monday	22:29	10:39
26 August 2025	Tuesday	22:29	10:39
27 August 2025	Wednesday	22:29	10:39
28 August 2025	Thursday	22:28	10:38
29 August 2025	Friday	22:28	10:38
30 August 2025	Saturday	22:28	10:37
31 August 2025	Sunday	22:28	10:37

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:28	10:37
02 September 2025	Tuesday	22:27	10:36
03 September 2025	Wednesday	22:27	10:36
04 September 2025	Thursday	22:27	10:36
05 September 2025	Friday	22:26	10:35
06 September 2025	Saturday	22:26	10:35
07 September 2025	Sunday	22:26	10:34
08 September 2025	Monday	22:26	10:34
09 September 2025	Tuesday	22:25	10:33
10 September 2025	Wednesday	22:25	10:33
11 September 2025	Thursday	22:25	10:33
12 September 2025	Friday	22:24	10:32
13 September 2025	Saturday	22:24	10:32
14 September 2025	Sunday	22:24	10:31
15 September 2025	Monday	22:24	10:31
16 September 2025	Tuesday	22:23	10:31
17 September 2025	Wednesday	22:23	10:30
18 September 2025	Thursday	22:23	10:30
19 September 2025	Friday	22:22	10:29
20 September 2025	Saturday	22:22	10:29
21 September 2025	Sunday	22:22	10:28
22 September 2025	Monday	22:22	10:28
23 September 2025	Tuesday	22:21	10:28
24 September 2025	Wednesday	22:21	10:27
25 September 2025	Thursday	22:21	10:27
26 September 2025	Friday	22:20	10:26
27 September 2025	Saturday	22:20	10:26
28 September 2025	Sunday	22:20	10:26
29 September 2025	Monday	22:20	10:25
30 September 2025	Tuesday	22:19	10:25

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:19	10:24
02 October 2025	Thursday	22:19	10:24
03 October 2025	Friday	22:18	10:24
04 October 2025	Saturday	22:18	10:23
05 October 2025	Sunday	22:18	10:23
06 October 2025	Monday	22:18	10:23
07 October 2025	Tuesday	22:18	10:22
08 October 2025	Wednesday	22:17	10:22
09 October 2025	Thursday	22:17	10:22
10 October 2025	Friday	22:17	10:21
11 October 2025	Saturday	22:17	10:21
12 October 2025	Sunday	22:16	10:21
13 October 2025	Monday	22:16	10:20
14 October 2025	Tuesday	22:16	10:20
15 October 2025	Wednesday	22:16	10:20
16 October 2025	Thursday	22:16	10:20
17 October 2025	Friday	22:16	10:19
18 October 2025	Saturday	22:15	10:19
19 October 2025	Sunday	22:15	10:19
20 October 2025	Monday	22:15	10:19
21 October 2025	Tuesday	22:15	10:18
22 October 2025	Wednesday	22:15	10:18
23 October 2025	Thursday	22:15	10:18
24 October 2025	Friday	22:15	10:18
25 October 2025	Saturday	22:15	10:18
26 October 2025	Sunday	22:15	10:17
27 October 2025	Monday	22:15	10:17
28 October 2025	Tuesday	22:15	10:17
29 October 2025	Wednesday	22:15	10:17
30 October 2025	Thursday	22:15	10:17
31 October 2025	Friday	22:15	10:17

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:15	10:17
02 November 2025	Sunday	22:15	10:17
03 November 2025	Monday	22:15	10:17
04 November 2025	Tuesday	22:15	10:17
05 November 2025	Wednesday	22:15	10:17
06 November 2025	Thursday	22:15	10:17
07 November 2025	Friday	22:15	10:17
08 November 2025	Saturday	22:15	10:17
09 November 2025	Sunday	22:15	10:17
10 November 2025	Monday	22:15	10:17
11 November 2025	Tuesday	22:15	10:17
12 November 2025	Wednesday	22:16	10:17
13 November 2025	Thursday	22:16	10:17
14 November 2025	Friday	22:16	10:17
15 November 2025	Saturday	22:16	10:17
16 November 2025	Sunday	22:16	10:17
17 November 2025	Monday	22:17	10:17
18 November 2025	Tuesday	22:17	10:18
19 November 2025	Wednesday	22:17	10:18
20 November 2025	Thursday	22:17	10:18
21 November 2025	Friday	22:18	10:18
22 November 2025	Saturday	22:18	10:18
23 November 2025	Sunday	22:18	10:19
24 November 2025	Monday	22:18	10:19
25 November 2025	Tuesday	22:19	10:19
26 November 2025	Wednesday	22:19	10:20
27 November 2025	Thursday	22:19	10:20
28 November 2025	Friday	22:20	10:20
29 November 2025	Saturday	22:20	10:20
30 November 2025	Sunday	22:21	10:21

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:21	10:21
02 December 2025	Tuesday	22:21	10:21
03 December 2025	Wednesday	22:22	10:22
04 December 2025	Thursday	22:22	10:22
05 December 2025	Friday	22:23	10:23
06 December 2025	Saturday	22:23	10:23
07 December 2025	Sunday	22:24	10:23
08 December 2025	Monday	22:24	10:24
09 December 2025	Tuesday	22:24	10:24
10 December 2025	Wednesday	22:25	10:25
11 December 2025	Thursday	22:25	10:25
12 December 2025	Friday	22:26	10:26
13 December 2025	Saturday	22:26	10:26
14 December 2025	Sunday	22:27	10:27
15 December 2025	Monday	22:27	10:27
16 December 2025	Tuesday	22:28	10:27
17 December 2025	Wednesday	22:28	10:28
18 December 2025	Thursday	22:29	10:28
19 December 2025	Friday	22:29	10:29
20 December 2025	Saturday	22:30	10:29
21 December 2025	Sunday	22:30	10:30
22 December 2025	Monday	22:31	10:30
23 December 2025	Tuesday	22:31	10:31
24 December 2025	Wednesday	22:32	10:31
25 December 2025	Thursday	22:32	10:32
26 December 2025	Friday	22:33	10:32
27 December 2025	Saturday	22:33	10:33
28 December 2025	Sunday	22:34	10:33
29 December 2025	Monday	22:34	10:34
30 December 2025	Tuesday	22:35	10:34
31 December 2025	Wednesday	22:35	10:35

2.7.20 WBGJ - LIMBANG

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	22:28	10:19
02 January 2025	Thursday	22:28	10:20
03 January 2025	Friday	22:29	10:20
04 January 2025	Saturday	22:29	10:21
05 January 2025	Sunday	22:30	10:21
06 January 2025	Monday	22:30	10:22
07 January 2025	Tuesday	22:30	10:22
08 January 2025	Wednesday	22:31	10:22
09 January 2025	Thursday	22:31	10:23
10 January 2025	Friday	22:32	10:23
11 January 2025	Saturday	22:32	10:24
12 January 2025	Sunday	22:32	10:24
13 January 2025	Monday	22:33	10:25
14 January 2025	Tuesday	22:33	10:25
15 January 2025	Wednesday	22:33	10:26
16 January 2025	Thursday	22:33	10:26
17 January 2025	Friday	22:34	10:26
18 January 2025	Saturday	22:34	10:27
19 January 2025	Sunday	22:34	10:27
20 January 2025	Monday	22:34	10:28
21 January 2025	Tuesday	22:35	10:28
22 January 2025	Wednesday	22:35	10:28
23 January 2025	Thursday	22:35	10:29
24 January 2025	Friday	22:35	10:29
25 January 2025	Saturday	22:35	10:29
26 January 2025	Sunday	22:35	10:30
27 January 2025	Monday	22:36	10:30
28 January 2025	Tuesday	22:36	10:30
29 January 2025	Wednesday	22:36	10:30
30 January 2025	Thursday	22:36	10:31
31 January 2025	Friday	22:36	10:31

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	22:36	10:31
02 February 2025	Sunday	22:36	10:31
03 February 2025	Monday	22:36	10:32
04 February 2025	Tuesday	22:36	10:32
05 February 2025	Wednesday	22:36	10:32
06 February 2025	Thursday	22:36	10:32
07 February 2025	Friday	22:36	10:32
08 February 2025	Saturday	22:36	10:32
09 February 2025	Sunday	22:36	10:33
10 February 2025	Monday	22:36	10:33
11 February 2025	Tuesday	22:36	10:33
12 February 2025	Wednesday	22:35	10:33
13 February 2025	Thursday	22:35	10:33
14 February 2025	Friday	22:35	10:33
15 February 2025	Saturday	22:35	10:33
16 February 2025	Sunday	22:35	10:33
17 February 2025	Monday	22:35	10:33
18 February 2025	Tuesday	22:34	10:33
19 February 2025	Wednesday	22:34	10:33
20 February 2025	Thursday	22:34	10:33
21 February 2025	Friday	22:34	10:33
22 February 2025	Saturday	22:34	10:33
23 February 2025	Sunday	22:33	10:33
24 February 2025	Monday	22:33	10:33
25 February 2025	Tuesday	22:33	10:33
26 February 2025	Wednesday	22:32	10:33
27 February 2025	Thursday	22:32	10:33
28 February 2025	Friday	22:32	10:33

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	22:32	10:33
02 March 2025	Sunday	22:31	10:33
03 March 2025	Monday	22:31	10:33
04 March 2025	Tuesday	22:31	10:33
05 March 2025	Wednesday	22:30	10:33
06 March 2025	Thursday	22:30	10:33
07 March 2025	Friday	22:29	10:33
08 March 2025	Saturday	22:29	10:32
09 March 2025	Sunday	22:29	10:32
10 March 2025	Monday	22:28	10:32
11 March 2025	Tuesday	22:28	10:32
12 March 2025	Wednesday	22:28	10:32
13 March 2025	Thursday	22:27	10:32
14 March 2025	Friday	22:27	10:32
15 March 2025	Saturday	22:26	10:31
16 March 2025	Sunday	22:26	10:31
17 March 2025	Monday	22:25	10:31
18 March 2025	Tuesday	22:25	10:31
19 March 2025	Wednesday	22:25	10:31
20 March 2025	Thursday	22:24	10:31
21 March 2025	Friday	22:24	10:31
22 March 2025	Saturday	22:23	10:30
23 March 2025	Sunday	22:23	10:30
24 March 2025	Monday	22:22	10:30
25 March 2025	Tuesday	22:22	10:30
26 March 2025	Wednesday	22:22	10:30
27 March 2025	Thursday	22:21	10:30
28 March 2025	Friday	22:21	10:29
29 March 2025	Saturday	22:20	10:29
30 March 2025	Sunday	22:20	10:29
31 March 2025	Monday	22:19	10:29

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	22:19	10:29
02 April 2025	Wednesday	22:19	10:29
03 April 2025	Thursday	22:18	10:28
04 April 2025	Friday	22:18	10:28
05 April 2025	Saturday	22:17	10:28
06 April 2025	Sunday	22:17	10:28
07 April 2025	Monday	22:17	10:28
08 April 2025	Tuesday	22:16	10:28
09 April 2025	Wednesday	22:16	10:27
10 April 2025	Thursday	22:15	10:27
11 April 2025	Friday	22:15	10:27
12 April 2025	Saturday	22:15	10:27
13 April 2025	Sunday	22:14	10:27
14 April 2025	Monday	22:14	10:27
15 April 2025	Tuesday	22:13	10:27
16 April 2025	Wednesday	22:13	10:27
17 April 2025	Thursday	22:13	10:26
18 April 2025	Friday	22:12	10:26
19 April 2025	Saturday	22:12	10:26
20 April 2025	Sunday	22:12	10:26
21 April 2025	Monday	22:11	10:26
22 April 2025	Tuesday	22:11	10:26
23 April 2025	Wednesday	22:11	10:26
24 April 2025	Thursday	22:10	10:26
25 April 2025	Friday	22:10	10:26
26 April 2025	Saturday	22:10	10:26
27 April 2025	Sunday	22:09	10:26
28 April 2025	Monday	22:09	10:26
29 April 2025	Tuesday	22:09	10:26
30 April 2025	Wednesday	22:09	10:26

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:08	10:26
02 May 2025	Friday	22:08	10:26
03 May 2025	Saturday	22:08	10:26
04 May 2025	Sunday	22:08	10:26
05 May 2025	Monday	22:08	10:26
06 May 2025	Tuesday	22:07	10:26
07 May 2025	Wednesday	22:07	10:26
08 May 2025	Thursday	22:07	10:26
09 May 2025	Friday	22:07	10:26
10 May 2025	Saturday	22:07	10:26
11 May 2025	Sunday	22:07	10:26
12 May 2025	Monday	22:06	10:26
13 May 2025	Tuesday	22:06	10:26
14 May 2025	Wednesday	22:06	10:26
15 May 2025	Thursday	22:06	10:26
16 May 2025	Friday	22:06	10:27
17 May 2025	Saturday	22:06	10:27
18 May 2025	Sunday	22:06	10:27
19 May 2025	Monday	22:06	10:27
20 May 2025	Tuesday	22:06	10:27
21 May 2025	Wednesday	22:06	10:27
22 May 2025	Thursday	22:06	10:27
23 May 2025	Friday	22:06	10:28
24 May 2025	Saturday	22:06	10:28
25 May 2025	Sunday	22:06	10:28
26 May 2025	Monday	22:06	10:28
27 May 2025	Tuesday	22:06	10:28
28 May 2025	Wednesday	22:06	10:28
29 May 2025	Thursday	22:06	10:29
30 May 2025	Friday	22:06	10:29
31 May 2025	Saturday	22:06	10:29

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:06	10:29
02 June 2025	Monday	22:06	10:30
03 June 2025	Tuesday	22:07	10:30
04 June 2025	Wednesday	22:07	10:30
05 June 2025	Thursday	22:07	10:30
06 June 2025	Friday	22:07	10:30
07 June 2025	Saturday	22:07	10:31
08 June 2025	Sunday	22:07	10:31
09 June 2025	Monday	22:07	10:31
10 June 2025	Tuesday	22:08	10:31
11 June 2025	Wednesday	22:08	10:32
12 June 2025	Thursday	22:08	10:32
13 June 2025	Friday	22:08	10:32
14 June 2025	Saturday	22:08	10:32
15 June 2025	Sunday	22:08	10:32
16 June 2025	Monday	22:09	10:33
17 June 2025	Tuesday	22:09	10:33
18 June 2025	Wednesday	22:09	10:33
19 June 2025	Thursday	22:09	10:33
20 June 2025	Friday	22:09	10:34
21 June 2025	Saturday	22:10	10:34
22 June 2025	Sunday	22:10	10:34
23 June 2025	Monday	22:10	10:34
24 June 2025	Tuesday	22:10	10:34
25 June 2025	Wednesday	22:11	10:35
26 June 2025	Thursday	22:11	10:35
27 June 2025	Friday	22:11	10:35
28 June 2025	Saturday	22:11	10:35
29 June 2025	Sunday	22:12	10:35
30 June 2025	Monday	22:12	10:36

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:12	10:36
02 July 2025	Wednesday	22:12	10:36
03 July 2025	Thursday	22:12	10:36
04 July 2025	Friday	22:13	10:36
05 July 2025	Saturday	22:13	10:36
06 July 2025	Sunday	22:13	10:36
07 July 2025	Monday	22:13	10:37
08 July 2025	Tuesday	22:13	10:37
09 July 2025	Wednesday	22:14	10:37
10 July 2025	Thursday	22:14	10:37
11 July 2025	Friday	22:14	10:37
12 July 2025	Saturday	22:14	10:37
13 July 2025	Sunday	22:14	10:37
14 July 2025	Monday	22:15	10:37
15 July 2025	Tuesday	22:15	10:37
16 July 2025	Wednesday	22:15	10:37
17 July 2025	Thursday	22:15	10:37
18 July 2025	Friday	22:15	10:37
19 July 2025	Saturday	22:15	10:37
20 July 2025	Sunday	22:16	10:37
21 July 2025	Monday	22:16	10:37
22 July 2025	Tuesday	22:16	10:37
23 July 2025	Wednesday	22:16	10:37
24 July 2025	Thursday	22:16	10:37
25 July 2025	Friday	22:16	10:37
26 July 2025	Saturday	22:16	10:37
27 July 2025	Sunday	22:16	10:37
28 July 2025	Monday	22:16	10:37
29 July 2025	Tuesday	22:16	10:37
30 July 2025	Wednesday	22:16	10:36
31 July 2025	Thursday	22:17	10:36

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	22:17	10:36
02 August 2025	Saturday	22:17	10:36
03 August 2025	Sunday	22:17	10:36
04 August 2025	Monday	22:17	10:36
05 August 2025	Tuesday	22:17	10:35
06 August 2025	Wednesday	22:17	10:35
07 August 2025	Thursday	22:17	10:35
08 August 2025	Friday	22:17	10:35
09 August 2025	Saturday	22:17	10:34
10 August 2025	Sunday	22:17	10:34
11 August 2025	Monday	22:17	10:34
12 August 2025	Tuesday	22:16	10:34
13 August 2025	Wednesday	22:16	10:33
14 August 2025	Thursday	22:16	10:33
15 August 2025	Friday	22:16	10:33
16 August 2025	Saturday	22:16	10:32
17 August 2025	Sunday	22:16	10:32
18 August 2025	Monday	22:16	10:32
19 August 2025	Tuesday	22:16	10:31
20 August 2025	Wednesday	22:16	10:31
21 August 2025	Thursday	22:16	10:31
22 August 2025	Friday	22:16	10:30
23 August 2025	Saturday	22:15	10:30
24 August 2025	Sunday	22:15	10:29
25 August 2025	Monday	22:15	10:29
26 August 2025	Tuesday	22:15	10:29
27 August 2025	Wednesday	22:15	10:28
28 August 2025	Thursday	22:15	10:28
29 August 2025	Friday	22:14	10:27
30 August 2025	Saturday	22:14	10:27
31 August 2025	Sunday	22:14	10:26

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:14	10:26
02 September 2025	Tuesday	22:14	10:26
03 September 2025	Wednesday	22:14	10:25
04 September 2025	Thursday	22:13	10:25
05 September 2025	Friday	22:13	10:24
06 September 2025	Saturday	22:13	10:24
07 September 2025	Sunday	22:13	10:23
08 September 2025	Monday	22:12	10:23
09 September 2025	Tuesday	22:12	10:22
10 September 2025	Wednesday	22:12	10:22
11 September 2025	Thursday	22:12	10:21
12 September 2025	Friday	22:12	10:21
13 September 2025	Saturday	22:11	10:20
14 September 2025	Sunday	22:11	10:20
15 September 2025	Monday	22:11	10:19
16 September 2025	Tuesday	22:11	10:19
17 September 2025	Wednesday	22:10	10:18
18 September 2025	Thursday	22:10	10:18
19 September 2025	Friday	22:10	10:17
20 September 2025	Saturday	22:10	10:17
21 September 2025	Sunday	22:10	10:16
22 September 2025	Monday	22:09	10:16
23 September 2025	Tuesday	22:09	10:16
24 September 2025	Wednesday	22:09	10:15
25 September 2025	Thursday	22:09	10:15
26 September 2025	Friday	22:08	10:14
27 September 2025	Saturday	22:08	10:14
28 September 2025	Sunday	22:08	10:13
29 September 2025	Monday	22:08	10:13
30 September 2025	Tuesday	22:08	10:12

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:07	10:12
02 October 2025	Thursday	22:07	10:11
03 October 2025	Friday	22:07	10:11
04 October 2025	Saturday	22:07	10:10
05 October 2025	Sunday	22:07	10:10
06 October 2025	Monday	22:07	10:10
07 October 2025	Tuesday	22:06	10:09
08 October 2025	Wednesday	22:06	10:09
09 October 2025	Thursday	22:06	10:08
10 October 2025	Friday	22:06	10:08
11 October 2025	Saturday	22:06	10:08
12 October 2025	Sunday	22:06	10:07
13 October 2025	Monday	22:06	10:07
14 October 2025	Tuesday	22:05	10:06
15 October 2025	Wednesday	22:05	10:06
16 October 2025	Thursday	22:05	10:06
17 October 2025	Friday	22:05	10:05
18 October 2025	Saturday	22:05	10:05
19 October 2025	Sunday	22:05	10:05
20 October 2025	Monday	22:05	10:05
21 October 2025	Tuesday	22:05	10:04
22 October 2025	Wednesday	22:05	10:04
23 October 2025	Thursday	22:05	10:04
24 October 2025	Friday	22:05	10:03
25 October 2025	Saturday	22:05	10:03
26 October 2025	Sunday	22:05	10:03
27 October 2025	Monday	22:05	10:03
28 October 2025	Tuesday	22:05	10:03
29 October 2025	Wednesday	22:05	10:02
30 October 2025	Thursday	22:05	10:02
31 October 2025	Friday	22:05	10:02

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:05	10:02
02 November 2025	Sunday	22:05	10:02
03 November 2025	Monday	22:05	10:02
04 November 2025	Tuesday	22:05	10:02
05 November 2025	Wednesday	22:06	10:02
06 November 2025	Thursday	22:06	10:02
07 November 2025	Friday	22:06	10:01
08 November 2025	Saturday	22:06	10:01
09 November 2025	Sunday	22:06	10:01
10 November 2025	Monday	22:06	10:01
11 November 2025	Tuesday	22:06	10:01
12 November 2025	Wednesday	22:07	10:01
13 November 2025	Thursday	22:07	10:01
14 November 2025	Friday	22:07	10:02
15 November 2025	Saturday	22:07	10:02
16 November 2025	Sunday	22:08	10:02
17 November 2025	Monday	22:08	10:02
18 November 2025	Tuesday	22:08	10:02
19 November 2025	Wednesday	22:09	10:02
20 November 2025	Thursday	22:09	10:02
21 November 2025	Friday	22:09	10:02
22 November 2025	Saturday	22:10	10:03
23 November 2025	Sunday	22:10	10:03
24 November 2025	Monday	22:10	10:03
25 November 2025	Tuesday	22:11	10:03
26 November 2025	Wednesday	22:11	10:03
27 November 2025	Thursday	22:11	10:04
28 November 2025	Friday	22:12	10:04
29 November 2025	Saturday	22:12	10:04
30 November 2025	Sunday	22:13	10:05

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:13	10:05
02 December 2025	Tuesday	22:13	10:05
03 December 2025	Wednesday	22:14	10:06
04 December 2025	Thursday	22:14	10:06
05 December 2025	Friday	22:15	10:06
06 December 2025	Saturday	22:15	10:07
07 December 2025	Sunday	22:16	10:07
08 December 2025	Monday	22:16	10:07
09 December 2025	Tuesday	22:17	10:08
10 December 2025	Wednesday	22:17	10:08
11 December 2025	Thursday	22:18	10:09
12 December 2025	Friday	22:18	10:09
13 December 2025	Saturday	22:19	10:10
14 December 2025	Sunday	22:19	10:10
15 December 2025	Monday	22:20	10:10
16 December 2025	Tuesday	22:20	10:11
17 December 2025	Wednesday	22:21	10:11
18 December 2025	Thursday	22:21	10:12
19 December 2025	Friday	22:22	10:12
20 December 2025	Saturday	22:22	10:13
21 December 2025	Sunday	22:23	10:13
22 December 2025	Monday	22:23	10:14
23 December 2025	Tuesday	22:24	10:14
24 December 2025	Wednesday	22:24	10:15
25 December 2025	Thursday	22:25	10:15
26 December 2025	Friday	22:25	10:16
27 December 2025	Saturday	22:26	10:16
28 December 2025	Sunday	22:26	10:17
29 December 2025	Monday	22:26	10:17
30 December 2025	Tuesday	22:27	10:18
31 December 2025	Wednesday	22:27	10:18

2.7.21 WBKD - LAHAD DATU

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	22:15	10:05
02 January 2025	Thursday	22:15	10:06
03 January 2025	Friday	22:16	10:06
04 January 2025	Saturday	22:16	10:07
05 January 2025	Sunday	22:17	10:07
06 January 2025	Monday	22:17	10:08
07 January 2025	Tuesday	22:18	10:08
08 January 2025	Wednesday	22:18	10:09
09 January 2025	Thursday	22:18	10:09
10 January 2025	Friday	22:19	10:10
11 January 2025	Saturday	22:19	10:10
12 January 2025	Sunday	22:19	10:11
13 January 2025	Monday	22:20	10:11
14 January 2025	Tuesday	22:20	10:12
15 January 2025	Wednesday	22:20	10:12
16 January 2025	Thursday	22:20	10:12
17 January 2025	Friday	22:21	10:13
18 January 2025	Saturday	22:21	10:13
19 January 2025	Sunday	22:21	10:14
20 January 2025	Monday	22:21	10:14
21 January 2025	Tuesday	22:22	10:14
22 January 2025	Wednesday	22:22	10:15
23 January 2025	Thursday	22:22	10:15
24 January 2025	Friday	22:22	10:15
25 January 2025	Saturday	22:22	10:16
26 January 2025	Sunday	22:22	10:16
27 January 2025	Monday	22:23	10:16
28 January 2025	Tuesday	22:23	10:17
29 January 2025	Wednesday	22:23	10:17
30 January 2025	Thursday	22:23	10:17
31 January 2025	Friday	22:23	10:17

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	22:23	10:18
02 February 2025	Sunday	22:23	10:18
03 February 2025	Monday	22:23	10:18
04 February 2025	Tuesday	22:23	10:18
05 February 2025	Wednesday	22:23	10:18
06 February 2025	Thursday	22:23	10:19
07 February 2025	Friday	22:23	10:19
08 February 2025	Saturday	22:23	10:19
09 February 2025	Sunday	22:23	10:19
10 February 2025	Monday	22:23	10:19
11 February 2025	Tuesday	22:22	10:19
12 February 2025	Wednesday	22:22	10:19
13 February 2025	Thursday	22:22	10:20
14 February 2025	Friday	22:22	10:20
15 February 2025	Saturday	22:22	10:20
16 February 2025	Sunday	22:22	10:20
17 February 2025	Monday	22:22	10:20
18 February 2025	Tuesday	22:21	10:20
19 February 2025	Wednesday	22:21	10:20
20 February 2025	Thursday	22:21	10:20
21 February 2025	Friday	22:21	10:20
22 February 2025	Saturday	22:20	10:20
23 February 2025	Sunday	22:20	10:20
24 February 2025	Monday	22:20	10:20
25 February 2025	Tuesday	22:20	10:20
26 February 2025	Wednesday	22:19	10:20
27 February 2025	Thursday	22:19	10:20
28 February 2025	Friday	22:19	10:20

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	22:18	10:20
02 March 2025	Sunday	22:18	10:20
03 March 2025	Monday	22:18	10:20
04 March 2025	Tuesday	22:17	10:19
05 March 2025	Wednesday	22:17	10:19
06 March 2025	Thursday	22:17	10:19
07 March 2025	Friday	22:16	10:19
08 March 2025	Saturday	22:16	10:19
09 March 2025	Sunday	22:16	10:19
10 March 2025	Monday	22:15	10:19
11 March 2025	Tuesday	22:15	10:19
12 March 2025	Wednesday	22:14	10:19
13 March 2025	Thursday	22:14	10:18
14 March 2025	Friday	22:14	10:18
15 March 2025	Saturday	22:13	10:18
16 March 2025	Sunday	22:13	10:18
17 March 2025	Monday	22:12	10:18
18 March 2025	Tuesday	22:12	10:18
19 March 2025	Wednesday	22:11	10:18
20 March 2025	Thursday	22:11	10:17
21 March 2025	Friday	22:11	10:17
22 March 2025	Saturday	22:10	10:17
23 March 2025	Sunday	22:10	10:17
24 March 2025	Monday	22:09	10:17
25 March 2025	Tuesday	22:09	10:17
26 March 2025	Wednesday	22:08	10:16
27 March 2025	Thursday	22:08	10:16
28 March 2025	Friday	22:07	10:16
29 March 2025	Saturday	22:07	10:16
30 March 2025	Sunday	22:07	10:16
31 March 2025	Monday	22:06	10:16

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	22:06	10:15
02 April 2025	Wednesday	22:05	10:15
03 April 2025	Thursday	22:05	10:15
04 April 2025	Friday	22:04	10:15
05 April 2025	Saturday	22:04	10:15
06 April 2025	Sunday	22:04	10:15
07 April 2025	Monday	22:03	10:15
08 April 2025	Tuesday	22:03	10:14
09 April 2025	Wednesday	22:02	10:14
10 April 2025	Thursday	22:02	10:14
11 April 2025	Friday	22:01	10:14
12 April 2025	Saturday	22:01	10:14
13 April 2025	Sunday	22:01	10:14
14 April 2025	Monday	22:00	10:14
15 April 2025	Tuesday	22:00	10:14
16 April 2025	Wednesday	22:00	10:13
17 April 2025	Thursday	21:59	10:13
18 April 2025	Friday	21:59	10:13
19 April 2025	Saturday	21:58	10:13
20 April 2025	Sunday	21:58	10:13
21 April 2025	Monday	21:58	10:13
22 April 2025	Tuesday	21:57	10:13
23 April 2025	Wednesday	21:57	10:13
24 April 2025	Thursday	21:57	10:13
25 April 2025	Friday	21:57	10:13
26 April 2025	Saturday	21:56	10:13
27 April 2025	Sunday	21:56	10:13
28 April 2025	Monday	21:56	10:13
29 April 2025	Tuesday	21:55	10:13
30 April 2025	Wednesday	21:55	10:13

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	21:55	10:13
02 May 2025	Friday	21:55	10:13
03 May 2025	Saturday	21:54	10:13
04 May 2025	Sunday	21:54	10:13
05 May 2025	Monday	21:54	10:13
06 May 2025	Tuesday	21:54	10:13
07 May 2025	Wednesday	21:54	10:13
08 May 2025	Thursday	21:54	10:13
09 May 2025	Friday	21:53	10:13
10 May 2025	Saturday	21:53	10:13
11 May 2025	Sunday	21:53	10:13
12 May 2025	Monday	21:53	10:13
13 May 2025	Tuesday	21:53	10:13
14 May 2025	Wednesday	21:53	10:13
15 May 2025	Thursday	21:53	10:13
16 May 2025	Friday	21:53	10:14
17 May 2025	Saturday	21:52	10:14
18 May 2025	Sunday	21:52	10:14
19 May 2025	Monday	21:52	10:14
20 May 2025	Tuesday	21:52	10:14
21 May 2025	Wednesday	21:52	10:14
22 May 2025	Thursday	21:52	10:14
23 May 2025	Friday	21:52	10:15
24 May 2025	Saturday	21:52	10:15
25 May 2025	Sunday	21:52	10:15
26 May 2025	Monday	21:52	10:15
27 May 2025	Tuesday	21:52	10:15
28 May 2025	Wednesday	21:52	10:16
29 May 2025	Thursday	21:52	10:16
30 May 2025	Friday	21:53	10:16
31 May 2025	Saturday	21:53	10:16

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	21:53	10:16
02 June 2025	Monday	21:53	10:17
03 June 2025	Tuesday	21:53	10:17
04 June 2025	Wednesday	21:53	10:17
05 June 2025	Thursday	21:53	10:17
06 June 2025	Friday	21:53	10:17
07 June 2025	Saturday	21:53	10:18
08 June 2025	Sunday	21:54	10:18
09 June 2025	Monday	21:54	10:18
10 June 2025	Tuesday	21:54	10:18
11 June 2025	Wednesday	21:54	10:19
12 June 2025	Thursday	21:54	10:19
13 June 2025	Friday	21:54	10:19
14 June 2025	Saturday	21:55	10:19
15 June 2025	Sunday	21:55	10:20
16 June 2025	Monday	21:55	10:20
17 June 2025	Tuesday	21:55	10:20
18 June 2025	Wednesday	21:55	10:20
19 June 2025	Thursday	21:56	10:20
20 June 2025	Friday	21:56	10:21
21 June 2025	Saturday	21:56	10:21
22 June 2025	Sunday	21:56	10:21
23 June 2025	Monday	21:56	10:21
24 June 2025	Tuesday	21:57	10:22
25 June 2025	Wednesday	21:57	10:22
26 June 2025	Thursday	21:57	10:22
27 June 2025	Friday	21:57	10:22
28 June 2025	Saturday	21:58	10:22
29 June 2025	Sunday	21:58	10:23
30 June 2025	Monday	21:58	10:23

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	21:58	10:23
02 July 2025	Wednesday	21:59	10:23
03 July 2025	Thursday	21:59	10:23
04 July 2025	Friday	21:59	10:23
05 July 2025	Saturday	21:59	10:23
06 July 2025	Sunday	21:59	10:24
07 July 2025	Monday	22:00	10:24
08 July 2025	Tuesday	22:00	10:24
09 July 2025	Wednesday	22:00	10:24
10 July 2025	Thursday	22:00	10:24
11 July 2025	Friday	22:00	10:24
12 July 2025	Saturday	22:01	10:24
13 July 2025	Sunday	22:01	10:24
14 July 2025	Monday	22:01	10:24
15 July 2025	Tuesday	22:01	10:24
16 July 2025	Wednesday	22:01	10:24
17 July 2025	Thursday	22:01	10:24
18 July 2025	Friday	22:02	10:24
19 July 2025	Saturday	22:02	10:24
20 July 2025	Sunday	22:02	10:24
21 July 2025	Monday	22:02	10:24
22 July 2025	Tuesday	22:02	10:24
23 July 2025	Wednesday	22:02	10:24
24 July 2025	Thursday	22:02	10:24
25 July 2025	Friday	22:02	10:24
26 July 2025	Saturday	22:03	10:24
27 July 2025	Sunday	22:03	10:24
28 July 2025	Monday	22:03	10:24
29 July 2025	Tuesday	22:03	10:24
30 July 2025	Wednesday	22:03	10:23
31 July 2025	Thursday	22:03	10:23

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	22:03	10:23
02 August 2025	Saturday	22:03	10:23
03 August 2025	Sunday	22:03	10:23
04 August 2025	Monday	22:03	10:23
05 August 2025	Tuesday	22:03	10:22
06 August 2025	Wednesday	22:03	10:22
07 August 2025	Thursday	22:03	10:22
08 August 2025	Friday	22:03	10:22
09 August 2025	Saturday	22:03	10:21
10 August 2025	Sunday	22:03	10:21
11 August 2025	Monday	22:03	10:21
12 August 2025	Tuesday	22:03	10:21
13 August 2025	Wednesday	22:03	10:20
14 August 2025	Thursday	22:03	10:20
15 August 2025	Friday	22:03	10:20
16 August 2025	Saturday	22:03	10:19
17 August 2025	Sunday	22:03	10:19
18 August 2025	Monday	22:03	10:19
19 August 2025	Tuesday	22:02	10:18
20 August 2025	Wednesday	22:02	10:18
21 August 2025	Thursday	22:02	10:17
22 August 2025	Friday	22:02	10:17
23 August 2025	Saturday	22:02	10:17
24 August 2025	Sunday	22:02	10:16
25 August 2025	Monday	22:02	10:16
26 August 2025	Tuesday	22:02	10:16
27 August 2025	Wednesday	22:01	10:15
28 August 2025	Thursday	22:01	10:15
29 August 2025	Friday	22:01	10:14
30 August 2025	Saturday	22:01	10:14
31 August 2025	Sunday	22:01	10:13

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:01	10:13
02 September 2025	Tuesday	22:00	10:12
03 September 2025	Wednesday	22:00	10:12
04 September 2025	Thursday	22:00	10:12
05 September 2025	Friday	22:00	10:11
06 September 2025	Saturday	22:00	10:11
07 September 2025	Sunday	21:59	10:10
08 September 2025	Monday	21:59	10:10
09 September 2025	Tuesday	21:59	10:09
10 September 2025	Wednesday	21:59	10:09
11 September 2025	Thursday	21:58	10:08
12 September 2025	Friday	21:58	10:08
13 September 2025	Saturday	21:58	10:07
14 September 2025	Sunday	21:58	10:07
15 September 2025	Monday	21:58	10:06
16 September 2025	Tuesday	21:57	10:06
17 September 2025	Wednesday	21:57	10:05
18 September 2025	Thursday	21:57	10:05
19 September 2025	Friday	21:57	10:04
20 September 2025	Saturday	21:57	10:04
21 September 2025	Sunday	21:56	10:03
22 September 2025	Monday	21:56	10:03
23 September 2025	Tuesday	21:56	10:02
24 September 2025	Wednesday	21:56	10:02
25 September 2025	Thursday	21:55	10:01
26 September 2025	Friday	21:55	10:01
27 September 2025	Saturday	21:55	10:00
28 September 2025	Sunday	21:55	10:00
29 September 2025	Monday	21:55	9:59
30 September 2025	Tuesday	21:54	9:59

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	21:54	9:58
02 October 2025	Thursday	21:54	9:58
03 October 2025	Friday	21:54	9:58
04 October 2025	Saturday	21:54	9:57
05 October 2025	Sunday	21:54	9:57
06 October 2025	Monday	21:53	9:56
07 October 2025	Tuesday	21:53	9:56
08 October 2025	Wednesday	21:53	9:55
09 October 2025	Thursday	21:53	9:55
10 October 2025	Friday	21:53	9:55
11 October 2025	Saturday	21:53	9:54
12 October 2025	Sunday	21:53	9:54
13 October 2025	Monday	21:52	9:53
14 October 2025	Tuesday	21:52	9:53
15 October 2025	Wednesday	21:52	9:53
16 October 2025	Thursday	21:52	9:52
17 October 2025	Friday	21:52	9:52
18 October 2025	Saturday	21:52	9:52
19 October 2025	Sunday	21:52	9:51
20 October 2025	Monday	21:52	9:51
21 October 2025	Tuesday	21:52	9:51
22 October 2025	Wednesday	21:52	9:51
23 October 2025	Thursday	21:52	9:50
24 October 2025	Friday	21:52	9:50
25 October 2025	Saturday	21:52	9:50
26 October 2025	Sunday	21:52	9:50
27 October 2025	Monday	21:52	9:49
28 October 2025	Tuesday	21:52	9:49
29 October 2025	Wednesday	21:52	9:49
30 October 2025	Thursday	21:52	9:49
31 October 2025	Friday	21:52	9:49

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	21:52	9:48
02 November 2025	Sunday	21:52	9:48
03 November 2025	Monday	21:52	9:48
04 November 2025	Tuesday	21:52	9:48
05 November 2025	Wednesday	21:52	9:48
06 November 2025	Thursday	21:53	9:48
07 November 2025	Friday	21:53	9:48
08 November 2025	Saturday	21:53	9:48
09 November 2025	Sunday	21:53	9:48
10 November 2025	Monday	21:53	9:48
11 November 2025	Tuesday	21:53	9:48
12 November 2025	Wednesday	21:54	9:48
13 November 2025	Thursday	21:54	9:48
14 November 2025	Friday	21:54	9:48
15 November 2025	Saturday	21:54	9:48
16 November 2025	Sunday	21:55	9:48
17 November 2025	Monday	21:55	9:48
18 November 2025	Tuesday	21:55	9:48
19 November 2025	Wednesday	21:56	9:48
20 November 2025	Thursday	21:56	9:49
21 November 2025	Friday	21:56	9:49
22 November 2025	Saturday	21:57	9:49
23 November 2025	Sunday	21:57	9:49
24 November 2025	Monday	21:57	9:49
25 November 2025	Tuesday	21:58	9:50
26 November 2025	Wednesday	21:58	9:50
27 November 2025	Thursday	21:58	9:50
28 November 2025	Friday	21:59	9:50
29 November 2025	Saturday	21:59	9:51
30 November 2025	Sunday	22:00	9:51

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:00	9:51
02 December 2025	Tuesday	22:00	9:52
03 December 2025	Wednesday	22:01	9:52
04 December 2025	Thursday	22:01	9:52
05 December 2025	Friday	22:02	9:53
06 December 2025	Saturday	22:02	9:53
07 December 2025	Sunday	22:03	9:53
08 December 2025	Monday	22:03	9:54
09 December 2025	Tuesday	22:04	9:54
10 December 2025	Wednesday	22:04	9:55
11 December 2025	Thursday	22:05	9:55
12 December 2025	Friday	22:05	9:55
13 December 2025	Saturday	22:06	9:56
14 December 2025	Sunday	22:06	9:56
15 December 2025	Monday	22:07	9:57
16 December 2025	Tuesday	22:07	9:57
17 December 2025	Wednesday	22:08	9:58
18 December 2025	Thursday	22:08	9:58
19 December 2025	Friday	22:09	9:59
20 December 2025	Saturday	22:09	9:59
21 December 2025	Sunday	22:10	10:00
22 December 2025	Monday	22:10	10:00
23 December 2025	Tuesday	22:11	10:01
24 December 2025	Wednesday	22:11	10:01
25 December 2025	Thursday	22:12	10:02
26 December 2025	Friday	22:12	10:02
27 December 2025	Saturday	22:13	10:03
28 December 2025	Sunday	22:13	10:03
29 December 2025	Monday	22:14	10:04
30 December 2025	Tuesday	22:14	10:04
31 December 2025	Wednesday	22:14	10:05

2.7.22 WBKK - KOTA KINABALU INTERNATIONAL

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	22:26	10:13
02 January 2025	Thursday	22:26	10:13
03 January 2025	Friday	22:27	10:14
04 January 2025	Saturday	22:27	10:15
05 January 2025	Sunday	22:27	10:15
06 January 2025	Monday	22:28	10:16
07 January 2025	Tuesday	22:28	10:16
08 January 2025	Wednesday	22:28	10:16
09 January 2025	Thursday	22:29	10:17
10 January 2025	Friday	22:29	10:17
11 January 2025	Saturday	22:30	10:18
12 January 2025	Sunday	22:30	10:18
13 January 2025	Monday	22:30	10:19
14 January 2025	Tuesday	22:30	10:19
15 January 2025	Wednesday	22:31	10:20
16 January 2025	Thursday	22:31	10:20
17 January 2025	Friday	22:31	10:21
18 January 2025	Saturday	22:31	10:21
19 January 2025	Sunday	22:32	10:21
20 January 2025	Monday	22:32	10:22
21 January 2025	Tuesday	22:32	10:22
22 January 2025	Wednesday	22:32	10:22
23 January 2025	Thursday	22:32	10:23
24 January 2025	Friday	22:33	10:23
25 January 2025	Saturday	22:33	10:24
26 January 2025	Sunday	22:33	10:24
27 January 2025	Monday	22:33	10:24
28 January 2025	Tuesday	22:33	10:24
29 January 2025	Wednesday	22:33	10:25
30 January 2025	Thursday	22:33	10:25
31 January 2025	Friday	22:33	10:25

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	22:33	10:26
02 February 2025	Sunday	22:33	10:26
03 February 2025	Monday	22:33	10:26
04 February 2025	Tuesday	22:33	10:26
05 February 2025	Wednesday	22:33	10:27
06 February 2025	Thursday	22:33	10:27
07 February 2025	Friday	22:33	10:27
08 February 2025	Saturday	22:33	10:27
09 February 2025	Sunday	22:33	10:27
10 February 2025	Monday	22:33	10:27
11 February 2025	Tuesday	22:32	10:28
12 February 2025	Wednesday	22:32	10:28
13 February 2025	Thursday	22:32	10:28
14 February 2025	Friday	22:32	10:28
15 February 2025	Saturday	22:32	10:28
16 February 2025	Sunday	22:32	10:28
17 February 2025	Monday	22:31	10:28
18 February 2025	Tuesday	22:31	10:28
19 February 2025	Wednesday	22:31	10:28
20 February 2025	Thursday	22:31	10:28
21 February 2025	Friday	22:30	10:28
22 February 2025	Saturday	22:30	10:28
23 February 2025	Sunday	22:30	10:28
24 February 2025	Monday	22:30	10:28
25 February 2025	Tuesday	22:29	10:28
26 February 2025	Wednesday	22:29	10:28
27 February 2025	Thursday	22:29	10:28
28 February 2025	Friday	22:28	10:28

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	22:28	10:28
02 March 2025	Sunday	22:28	10:28
03 March 2025	Monday	22:27	10:28
04 March 2025	Tuesday	22:27	10:28
05 March 2025	Wednesday	22:26	10:28
06 March 2025	Thursday	22:26	10:28
07 March 2025	Friday	22:26	10:28
08 March 2025	Saturday	22:25	10:28
09 March 2025	Sunday	22:25	10:28
10 March 2025	Monday	22:24	10:28
11 March 2025	Tuesday	22:24	10:28
12 March 2025	Wednesday	22:24	10:28
13 March 2025	Thursday	22:23	10:27
14 March 2025	Friday	22:23	10:27
15 March 2025	Saturday	22:22	10:27
16 March 2025	Sunday	22:22	10:27
17 March 2025	Monday	22:21	10:27
18 March 2025	Tuesday	22:21	10:27
19 March 2025	Wednesday	22:21	10:27
20 March 2025	Thursday	22:20	10:27
21 March 2025	Friday	22:20	10:26
22 March 2025	Saturday	22:19	10:26
23 March 2025	Sunday	22:19	10:26
24 March 2025	Monday	22:18	10:26
25 March 2025	Tuesday	22:18	10:26
26 March 2025	Wednesday	22:17	10:26
27 March 2025	Thursday	22:17	10:26
28 March 2025	Friday	22:16	10:25
29 March 2025	Saturday	22:16	10:25
30 March 2025	Sunday	22:15	10:25
31 March 2025	Monday	22:15	10:25

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	22:14	10:25
02 April 2025	Wednesday	22:14	10:25
03 April 2025	Thursday	22:14	10:25
04 April 2025	Friday	22:13	10:25
05 April 2025	Saturday	22:13	10:24
06 April 2025	Sunday	22:12	10:24
07 April 2025	Monday	22:12	10:24
08 April 2025	Tuesday	22:11	10:24
09 April 2025	Wednesday	22:11	10:24
10 April 2025	Thursday	22:10	10:24
11 April 2025	Friday	22:10	10:24
12 April 2025	Saturday	22:10	10:24
13 April 2025	Sunday	22:09	10:23
14 April 2025	Monday	22:09	10:23
15 April 2025	Tuesday	22:08	10:23
16 April 2025	Wednesday	22:08	10:23
17 April 2025	Thursday	22:08	10:23
18 April 2025	Friday	22:07	10:23
19 April 2025	Saturday	22:07	10:23
20 April 2025	Sunday	22:06	10:23
21 April 2025	Monday	22:06	10:23
22 April 2025	Tuesday	22:06	10:23
23 April 2025	Wednesday	22:05	10:23
24 April 2025	Thursday	22:05	10:23
25 April 2025	Friday	22:05	10:23
26 April 2025	Saturday	22:04	10:23
27 April 2025	Sunday	22:04	10:23
28 April 2025	Monday	22:04	10:23
29 April 2025	Tuesday	22:04	10:23
30 April 2025	Wednesday	22:03	10:23

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:03	10:23
02 May 2025	Friday	22:03	10:23
03 May 2025	Saturday	22:03	10:23
04 May 2025	Sunday	22:02	10:23
05 May 2025	Monday	22:02	10:23
06 May 2025	Tuesday	22:02	10:23
07 May 2025	Wednesday	22:02	10:23
08 May 2025	Thursday	22:01	10:23
09 May 2025	Friday	22:01	10:23
10 May 2025	Saturday	22:01	10:23
11 May 2025	Sunday	22:01	10:23
12 May 2025	Monday	22:01	10:24
13 May 2025	Tuesday	22:01	10:24
14 May 2025	Wednesday	22:01	10:24
15 May 2025	Thursday	22:00	10:24
16 May 2025	Friday	22:00	10:24
17 May 2025	Saturday	22:00	10:24
18 May 2025	Sunday	22:00	10:24
19 May 2025	Monday	22:00	10:24
20 May 2025	Tuesday	22:00	10:25
21 May 2025	Wednesday	22:00	10:25
22 May 2025	Thursday	22:00	10:25
23 May 2025	Friday	22:00	10:25
24 May 2025	Saturday	22:00	10:25
25 May 2025	Sunday	22:00	10:25
26 May 2025	Monday	22:00	10:26
27 May 2025	Tuesday	22:00	10:26
28 May 2025	Wednesday	22:00	10:26
29 May 2025	Thursday	22:00	10:26
30 May 2025	Friday	22:00	10:27
31 May 2025	Saturday	22:00	10:27

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:00	10:27
02 June 2025	Monday	22:00	10:27
03 June 2025	Tuesday	22:01	10:27
04 June 2025	Wednesday	22:01	10:28
05 June 2025	Thursday	22:01	10:28
06 June 2025	Friday	22:01	10:28
07 June 2025	Saturday	22:01	10:28
08 June 2025	Sunday	22:01	10:29
09 June 2025	Monday	22:01	10:29
10 June 2025	Tuesday	22:01	10:29
11 June 2025	Wednesday	22:02	10:29
12 June 2025	Thursday	22:02	10:30
13 June 2025	Friday	22:02	10:30
14 June 2025	Saturday	22:02	10:30
15 June 2025	Sunday	22:02	10:30
16 June 2025	Monday	22:03	10:30
17 June 2025	Tuesday	22:03	10:31
18 June 2025	Wednesday	22:03	10:31
19 June 2025	Thursday	22:03	10:31
20 June 2025	Friday	22:03	10:31
21 June 2025	Saturday	22:04	10:32
22 June 2025	Sunday	22:04	10:32
23 June 2025	Monday	22:04	10:32
24 June 2025	Tuesday	22:04	10:32
25 June 2025	Wednesday	22:04	10:32
26 June 2025	Thursday	22:05	10:33
27 June 2025	Friday	22:05	10:33
28 June 2025	Saturday	22:05	10:33
29 June 2025	Sunday	22:05	10:33
30 June 2025	Monday	22:06	10:33

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:06	10:34
02 July 2025	Wednesday	22:06	10:34
03 July 2025	Thursday	22:06	10:34
04 July 2025	Friday	22:07	10:34
05 July 2025	Saturday	22:07	10:34
06 July 2025	Sunday	22:07	10:34
07 July 2025	Monday	22:07	10:34
08 July 2025	Tuesday	22:07	10:34
09 July 2025	Wednesday	22:08	10:34
10 July 2025	Thursday	22:08	10:35
11 July 2025	Friday	22:08	10:35
12 July 2025	Saturday	22:08	10:35
13 July 2025	Sunday	22:08	10:35
14 July 2025	Monday	22:09	10:35
15 July 2025	Tuesday	22:09	10:35
16 July 2025	Wednesday	22:09	10:35
17 July 2025	Thursday	22:09	10:35
18 July 2025	Friday	22:09	10:35
19 July 2025	Saturday	22:09	10:35
20 July 2025	Sunday	22:10	10:35
21 July 2025	Monday	22:10	10:35
22 July 2025	Tuesday	22:10	10:35
23 July 2025	Wednesday	22:10	10:35
24 July 2025	Thursday	22:10	10:34
25 July 2025	Friday	22:10	10:34
26 July 2025	Saturday	22:10	10:34
27 July 2025	Sunday	22:11	10:34
28 July 2025	Monday	22:11	10:34
29 July 2025	Tuesday	22:11	10:34
30 July 2025	Wednesday	22:11	10:34
31 July 2025	Thursday	22:11	10:34

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	22:11	10:33
02 August 2025	Saturday	22:11	10:33
03 August 2025	Sunday	22:11	10:33
04 August 2025	Monday	22:11	10:33
05 August 2025	Tuesday	22:11	10:33
06 August 2025	Wednesday	22:11	10:32
07 August 2025	Thursday	22:11	10:32
08 August 2025	Friday	22:11	10:32
09 August 2025	Saturday	22:11	10:31
10 August 2025	Sunday	22:11	10:31
11 August 2025	Monday	22:11	10:31
12 August 2025	Tuesday	22:11	10:31
13 August 2025	Wednesday	22:11	10:30
14 August 2025	Thursday	22:11	10:30
15 August 2025	Friday	22:11	10:30
16 August 2025	Saturday	22:11	10:29
17 August 2025	Sunday	22:11	10:29
18 August 2025	Monday	22:11	10:29
19 August 2025	Tuesday	22:11	10:28
20 August 2025	Wednesday	22:11	10:28
21 August 2025	Thursday	22:11	10:27
22 August 2025	Friday	22:10	10:27
23 August 2025	Saturday	22:10	10:27
24 August 2025	Sunday	22:10	10:26
25 August 2025	Monday	22:10	10:26
26 August 2025	Tuesday	22:10	10:25
27 August 2025	Wednesday	22:10	10:25
28 August 2025	Thursday	22:10	10:24
29 August 2025	Friday	22:10	10:24
30 August 2025	Saturday	22:09	10:23
31 August 2025	Sunday	22:09	10:23

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:09	10:23
02 September 2025	Tuesday	22:09	10:22
03 September 2025	Wednesday	22:09	10:22
04 September 2025	Thursday	22:09	10:21
05 September 2025	Friday	22:08	10:21
06 September 2025	Saturday	22:08	10:20
07 September 2025	Sunday	22:08	10:20
08 September 2025	Monday	22:08	10:19
09 September 2025	Tuesday	22:08	10:19
10 September 2025	Wednesday	22:07	10:18
11 September 2025	Thursday	22:07	10:18
12 September 2025	Friday	22:07	10:17
13 September 2025	Saturday	22:07	10:17
14 September 2025	Sunday	22:07	10:16
15 September 2025	Monday	22:07	10:15
16 September 2025	Tuesday	22:06	10:15
17 September 2025	Wednesday	22:06	10:14
18 September 2025	Thursday	22:06	10:14
19 September 2025	Friday	22:06	10:13
20 September 2025	Saturday	22:06	10:13
21 September 2025	Sunday	22:05	10:12
22 September 2025	Monday	22:05	10:12
23 September 2025	Tuesday	22:05	10:11
24 September 2025	Wednesday	22:05	10:11
25 September 2025	Thursday	22:05	10:10
26 September 2025	Friday	22:04	10:10
27 September 2025	Saturday	22:04	10:09
28 September 2025	Sunday	22:04	10:09
29 September 2025	Monday	22:04	10:08
30 September 2025	Tuesday	22:04	10:08

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:04	10:07
02 October 2025	Thursday	22:03	10:07
03 October 2025	Friday	22:03	10:06
04 October 2025	Saturday	22:03	10:06
05 October 2025	Sunday	22:03	10:05
06 October 2025	Monday	22:03	10:05
07 October 2025	Tuesday	22:03	10:05
08 October 2025	Wednesday	22:03	10:04
09 October 2025	Thursday	22:02	10:04
10 October 2025	Friday	22:02	10:03
11 October 2025	Saturday	22:02	10:03
12 October 2025	Sunday	22:02	10:02
13 October 2025	Monday	22:02	10:02
14 October 2025	Tuesday	22:02	10:02
15 October 2025	Wednesday	22:02	10:01
16 October 2025	Thursday	22:02	10:01
17 October 2025	Friday	22:02	10:01
18 October 2025	Saturday	22:02	10:00
19 October 2025	Sunday	22:02	10:00
20 October 2025	Monday	22:02	10:00
21 October 2025	Tuesday	22:02	9:59
22 October 2025	Wednesday	22:02	9:59
23 October 2025	Thursday	22:02	9:59
24 October 2025	Friday	22:02	9:58
25 October 2025	Saturday	22:02	9:58
26 October 2025	Sunday	22:02	9:58
27 October 2025	Monday	22:02	9:58
28 October 2025	Tuesday	22:02	9:57
29 October 2025	Wednesday	22:02	9:57
30 October 2025	Thursday	22:02	9:57
31 October 2025	Friday	22:02	9:57

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:02	9:57
02 November 2025	Sunday	22:02	9:56
03 November 2025	Monday	22:02	9:56
04 November 2025	Tuesday	22:02	9:56
05 November 2025	Wednesday	22:03	9:56
06 November 2025	Thursday	22:03	9:56
07 November 2025	Friday	22:03	9:56
08 November 2025	Saturday	22:03	9:56
09 November 2025	Sunday	22:03	9:56
10 November 2025	Monday	22:04	9:56
11 November 2025	Tuesday	22:04	9:56
12 November 2025	Wednesday	22:04	9:56
13 November 2025	Thursday	22:04	9:56
14 November 2025	Friday	22:04	9:56
15 November 2025	Saturday	22:05	9:56
16 November 2025	Sunday	22:05	9:56
17 November 2025	Monday	22:05	9:56
18 November 2025	Tuesday	22:06	9:56
19 November 2025	Wednesday	22:06	9:56
20 November 2025	Thursday	22:06	9:56
21 November 2025	Friday	22:07	9:57
22 November 2025	Saturday	22:07	9:57
23 November 2025	Sunday	22:07	9:57
24 November 2025	Monday	22:08	9:57
25 November 2025	Tuesday	22:08	9:57
26 November 2025	Wednesday	22:09	9:58
27 November 2025	Thursday	22:09	9:58
28 November 2025	Friday	22:09	9:58
29 November 2025	Saturday	22:10	9:58
30 November 2025	Sunday	22:10	9:59

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:11	9:59
02 December 2025	Tuesday	22:11	9:59
03 December 2025	Wednesday	22:12	10:00
04 December 2025	Thursday	22:12	10:00
05 December 2025	Friday	22:12	10:00
06 December 2025	Saturday	22:13	10:01
07 December 2025	Sunday	22:13	10:01
08 December 2025	Monday	22:14	10:01
09 December 2025	Tuesday	22:14	10:02
10 December 2025	Wednesday	22:15	10:02
11 December 2025	Thursday	22:15	10:03
12 December 2025	Friday	22:16	10:03
13 December 2025	Saturday	22:16	10:03
14 December 2025	Sunday	22:17	10:04
15 December 2025	Monday	22:17	10:04
16 December 2025	Tuesday	22:18	10:05
17 December 2025	Wednesday	22:18	10:05
18 December 2025	Thursday	22:19	10:06
19 December 2025	Friday	22:19	10:06
20 December 2025	Saturday	22:20	10:07
21 December 2025	Sunday	22:20	10:07
22 December 2025	Monday	22:21	10:08
23 December 2025	Tuesday	22:21	10:08
24 December 2025	Wednesday	22:22	10:09
25 December 2025	Thursday	22:22	10:09
26 December 2025	Friday	22:23	10:10
27 December 2025	Saturday	22:23	10:10
28 December 2025	Sunday	22:24	10:11
29 December 2025	Monday	22:24	10:11
30 December 2025	Tuesday	22:25	10:12
31 December 2025	Wednesday	22:25	10:12

2.7.23 WBKL - LABUAN

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	22:28	10:17
02 January 2025	Thursday	22:28	10:18
03 January 2025	Friday	22:29	10:18
04 January 2025	Saturday	22:29	10:19
05 January 2025	Sunday	22:29	10:19
06 January 2025	Monday	22:30	10:20
07 January 2025	Tuesday	22:30	10:20
08 January 2025	Wednesday	22:31	10:21
09 January 2025	Thursday	22:31	10:21
10 January 2025	Friday	22:31	10:22
11 January 2025	Saturday	22:32	10:22
12 January 2025	Sunday	22:32	10:23
13 January 2025	Monday	22:32	10:23
14 January 2025	Tuesday	22:33	10:23
15 January 2025	Wednesday	22:33	10:24
16 January 2025	Thursday	22:33	10:24
17 January 2025	Friday	22:33	10:25
18 January 2025	Saturday	22:34	10:25
19 January 2025	Sunday	22:34	10:25
20 January 2025	Monday	22:34	10:26
21 January 2025	Tuesday	22:34	10:26
22 January 2025	Wednesday	22:35	10:27
23 January 2025	Thursday	22:35	10:27
24 January 2025	Friday	22:35	10:27
25 January 2025	Saturday	22:35	10:28
26 January 2025	Sunday	22:35	10:28
27 January 2025	Monday	22:35	10:28
28 January 2025	Tuesday	22:35	10:29
29 January 2025	Wednesday	22:35	10:29
30 January 2025	Thursday	22:35	10:29
31 January 2025	Friday	22:36	10:29

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	22:36	10:30
02 February 2025	Sunday	22:36	10:30
03 February 2025	Monday	22:36	10:30
04 February 2025	Tuesday	22:36	10:30
05 February 2025	Wednesday	22:36	10:30
06 February 2025	Thursday	22:36	10:31
07 February 2025	Friday	22:35	10:31
08 February 2025	Saturday	22:35	10:31
09 February 2025	Sunday	22:35	10:31
10 February 2025	Monday	22:35	10:31
11 February 2025	Tuesday	22:35	10:31
12 February 2025	Wednesday	22:35	10:32
13 February 2025	Thursday	22:35	10:32
14 February 2025	Friday	22:35	10:32
15 February 2025	Saturday	22:34	10:32
16 February 2025	Sunday	22:34	10:32
17 February 2025	Monday	22:34	10:32
18 February 2025	Tuesday	22:34	10:32
19 February 2025	Wednesday	22:34	10:32
20 February 2025	Thursday	22:33	10:32
21 February 2025	Friday	22:33	10:32
22 February 2025	Saturday	22:33	10:32
23 February 2025	Sunday	22:33	10:32
24 February 2025	Monday	22:32	10:32
25 February 2025	Tuesday	22:32	10:32
26 February 2025	Wednesday	22:32	10:32
27 February 2025	Thursday	22:31	10:32
28 February 2025	Friday	22:31	10:32

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	22:31	10:32
02 March 2025	Sunday	22:30	10:32
03 March 2025	Monday	22:30	10:32
04 March 2025	Tuesday	22:30	10:32
05 March 2025	Wednesday	22:29	10:32
06 March 2025	Thursday	22:29	10:32
07 March 2025	Friday	22:29	10:31
08 March 2025	Saturday	22:28	10:31
09 March 2025	Sunday	22:28	10:31
10 March 2025	Monday	22:28	10:31
11 March 2025	Tuesday	22:27	10:31
12 March 2025	Wednesday	22:27	10:31
13 March 2025	Thursday	22:26	10:31
14 March 2025	Friday	22:26	10:31
15 March 2025	Saturday	22:25	10:30
16 March 2025	Sunday	22:25	10:30
17 March 2025	Monday	22:25	10:30
18 March 2025	Tuesday	22:24	10:30
19 March 2025	Wednesday	22:24	10:30
20 March 2025	Thursday	22:23	10:30
21 March 2025	Friday	22:23	10:30
22 March 2025	Saturday	22:22	10:29
23 March 2025	Sunday	22:22	10:29
24 March 2025	Monday	22:21	10:29
25 March 2025	Tuesday	22:21	10:29
26 March 2025	Wednesday	22:21	10:29
27 March 2025	Thursday	22:20	10:29
28 March 2025	Friday	22:20	10:29
29 March 2025	Saturday	22:19	10:28
30 March 2025	Sunday	22:19	10:28
31 March 2025	Monday	22:18	10:28

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	22:18	10:28
02 April 2025	Wednesday	22:17	10:28
03 April 2025	Thursday	22:17	10:28
04 April 2025	Friday	22:17	10:27
05 April 2025	Saturday	22:16	10:27
06 April 2025	Sunday	22:16	10:27
07 April 2025	Monday	22:15	10:27
08 April 2025	Tuesday	22:15	10:27
09 April 2025	Wednesday	22:14	10:27
10 April 2025	Thursday	22:14	10:27
11 April 2025	Friday	22:14	10:27
12 April 2025	Saturday	22:13	10:26
13 April 2025	Sunday	22:13	10:26
14 April 2025	Monday	22:12	10:26
15 April 2025	Tuesday	22:12	10:26
16 April 2025	Wednesday	22:12	10:26
17 April 2025	Thursday	22:11	10:26
18 April 2025	Friday	22:11	10:26
19 April 2025	Saturday	22:11	10:26
20 April 2025	Sunday	22:10	10:26
21 April 2025	Monday	22:10	10:26
22 April 2025	Tuesday	22:10	10:26
23 April 2025	Wednesday	22:09	10:25
24 April 2025	Thursday	22:09	10:25
25 April 2025	Friday	22:09	10:25
26 April 2025	Saturday	22:08	10:25
27 April 2025	Sunday	22:08	10:25
28 April 2025	Monday	22:08	10:25
29 April 2025	Tuesday	22:07	10:25
30 April 2025	Wednesday	22:07	10:25

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:07	10:25
02 May 2025	Friday	22:07	10:25
03 May 2025	Saturday	22:06	10:25
04 May 2025	Sunday	22:06	10:25
05 May 2025	Monday	22:06	10:25
06 May 2025	Tuesday	22:06	10:25
07 May 2025	Wednesday	22:06	10:26
08 May 2025	Thursday	22:05	10:26
09 May 2025	Friday	22:05	10:26
10 May 2025	Saturday	22:05	10:26
11 May 2025	Sunday	22:05	10:26
12 May 2025	Monday	22:05	10:26
13 May 2025	Tuesday	22:05	10:26
14 May 2025	Wednesday	22:05	10:26
15 May 2025	Thursday	22:05	10:26
16 May 2025	Friday	22:04	10:26
17 May 2025	Saturday	22:04	10:26
18 May 2025	Sunday	22:04	10:27
19 May 2025	Monday	22:04	10:27
20 May 2025	Tuesday	22:04	10:27
21 May 2025	Wednesday	22:04	10:27
22 May 2025	Thursday	22:04	10:27
23 May 2025	Friday	22:04	10:27
24 May 2025	Saturday	22:04	10:28
25 May 2025	Sunday	22:04	10:28
26 May 2025	Monday	22:04	10:28
27 May 2025	Tuesday	22:04	10:28
28 May 2025	Wednesday	22:04	10:28
29 May 2025	Thursday	22:04	10:28
30 May 2025	Friday	22:04	10:29
31 May 2025	Saturday	22:05	10:29

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:05	10:29
02 June 2025	Monday	22:05	10:29
03 June 2025	Tuesday	22:05	10:30
04 June 2025	Wednesday	22:05	10:30
05 June 2025	Thursday	22:05	10:30
06 June 2025	Friday	22:05	10:30
07 June 2025	Saturday	22:05	10:30
08 June 2025	Sunday	22:05	10:31
09 June 2025	Monday	22:06	10:31
10 June 2025	Tuesday	22:06	10:31
11 June 2025	Wednesday	22:06	10:31
12 June 2025	Thursday	22:06	10:32
13 June 2025	Friday	22:06	10:32
14 June 2025	Saturday	22:06	10:32
15 June 2025	Sunday	22:07	10:32
16 June 2025	Monday	22:07	10:33
17 June 2025	Tuesday	22:07	10:33
18 June 2025	Wednesday	22:07	10:33
19 June 2025	Thursday	22:07	10:33
20 June 2025	Friday	22:08	10:33
21 June 2025	Saturday	22:08	10:34
22 June 2025	Sunday	22:08	10:34
23 June 2025	Monday	22:08	10:34
24 June 2025	Tuesday	22:09	10:34
25 June 2025	Wednesday	22:09	10:35
26 June 2025	Thursday	22:09	10:35
27 June 2025	Friday	22:09	10:35
28 June 2025	Saturday	22:09	10:35
29 June 2025	Sunday	22:10	10:35
30 June 2025	Monday	22:10	10:35

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:10	10:36
02 July 2025	Wednesday	22:10	10:36
03 July 2025	Thursday	22:11	10:36
04 July 2025	Friday	22:11	10:36
05 July 2025	Saturday	22:11	10:36
06 July 2025	Sunday	22:11	10:36
07 July 2025	Monday	22:11	10:36
08 July 2025	Tuesday	22:12	10:37
09 July 2025	Wednesday	22:12	10:37
10 July 2025	Thursday	22:12	10:37
11 July 2025	Friday	22:12	10:37
12 July 2025	Saturday	22:12	10:37
13 July 2025	Sunday	22:13	10:37
14 July 2025	Monday	22:13	10:37
15 July 2025	Tuesday	22:13	10:37
16 July 2025	Wednesday	22:13	10:37
17 July 2025	Thursday	22:13	10:37
18 July 2025	Friday	22:14	10:37
19 July 2025	Saturday	22:14	10:37
20 July 2025	Sunday	22:14	10:37
21 July 2025	Monday	22:14	10:37
22 July 2025	Tuesday	22:14	10:37
23 July 2025	Wednesday	22:14	10:37
24 July 2025	Thursday	22:14	10:37
25 July 2025	Friday	22:14	10:37
26 July 2025	Saturday	22:15	10:37
27 July 2025	Sunday	22:15	10:36
28 July 2025	Monday	22:15	10:36
29 July 2025	Tuesday	22:15	10:36
30 July 2025	Wednesday	22:15	10:36
31 July 2025	Thursday	22:15	10:36

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	22:15	10:36
02 August 2025	Saturday	22:15	10:36
03 August 2025	Sunday	22:15	10:35
04 August 2025	Monday	22:15	10:35
05 August 2025	Tuesday	22:15	10:35
06 August 2025	Wednesday	22:15	10:35
07 August 2025	Thursday	22:15	10:34
08 August 2025	Friday	22:15	10:34
09 August 2025	Saturday	22:15	10:34
10 August 2025	Sunday	22:15	10:34
11 August 2025	Monday	22:15	10:33
12 August 2025	Tuesday	22:15	10:33
13 August 2025	Wednesday	22:15	10:33
14 August 2025	Thursday	22:15	10:32
15 August 2025	Friday	22:15	10:32
16 August 2025	Saturday	22:15	10:32
17 August 2025	Sunday	22:15	10:31
18 August 2025	Monday	22:15	10:31
19 August 2025	Tuesday	22:14	10:31
20 August 2025	Wednesday	22:14	10:30
21 August 2025	Thursday	22:14	10:30
22 August 2025	Friday	22:14	10:30
23 August 2025	Saturday	22:14	10:29
24 August 2025	Sunday	22:14	10:29
25 August 2025	Monday	22:14	10:28
26 August 2025	Tuesday	22:14	10:28
27 August 2025	Wednesday	22:13	10:28
28 August 2025	Thursday	22:13	10:27
29 August 2025	Friday	22:13	10:27
30 August 2025	Saturday	22:13	10:26
31 August 2025	Sunday	22:13	10:26

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:13	10:25
02 September 2025	Tuesday	22:12	10:25
03 September 2025	Wednesday	22:12	10:24
04 September 2025	Thursday	22:12	10:24
05 September 2025	Friday	22:12	10:23
06 September 2025	Saturday	22:12	10:23
07 September 2025	Sunday	22:12	10:23
08 September 2025	Monday	22:11	10:22
09 September 2025	Tuesday	22:11	10:22
10 September 2025	Wednesday	22:11	10:21
11 September 2025	Thursday	22:11	10:21
12 September 2025	Friday	22:11	10:20
13 September 2025	Saturday	22:10	10:20
14 September 2025	Sunday	22:10	10:19
15 September 2025	Monday	22:10	10:19
16 September 2025	Tuesday	22:10	10:18
17 September 2025	Wednesday	22:09	10:18
18 September 2025	Thursday	22:09	10:17
19 September 2025	Friday	22:09	10:17
20 September 2025	Saturday	22:09	10:16
21 September 2025	Sunday	22:09	10:16
22 September 2025	Monday	22:08	10:15
23 September 2025	Tuesday	22:08	10:15
24 September 2025	Wednesday	22:08	10:14
25 September 2025	Thursday	22:08	10:14
26 September 2025	Friday	22:08	10:13
27 September 2025	Saturday	22:07	10:13
28 September 2025	Sunday	22:07	10:12
29 September 2025	Monday	22:07	10:12
30 September 2025	Tuesday	22:07	10:11

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:07	10:11
02 October 2025	Thursday	22:06	10:10
03 October 2025	Friday	22:06	10:10
04 October 2025	Saturday	22:06	10:09
05 October 2025	Sunday	22:06	10:09
06 October 2025	Monday	22:06	10:08
07 October 2025	Tuesday	22:06	10:08
08 October 2025	Wednesday	22:05	10:08
09 October 2025	Thursday	22:05	10:07
10 October 2025	Friday	22:05	10:07
11 October 2025	Saturday	22:05	10:06
12 October 2025	Sunday	22:05	10:06
13 October 2025	Monday	22:05	10:06
14 October 2025	Tuesday	22:05	10:05
15 October 2025	Wednesday	22:05	10:05
16 October 2025	Thursday	22:05	10:05
17 October 2025	Friday	22:04	10:04
18 October 2025	Saturday	22:04	10:04
19 October 2025	Sunday	22:04	10:04
20 October 2025	Monday	22:04	10:03
21 October 2025	Tuesday	22:04	10:03
22 October 2025	Wednesday	22:04	10:03
23 October 2025	Thursday	22:04	10:02
24 October 2025	Friday	22:04	10:02
25 October 2025	Saturday	22:04	10:02
26 October 2025	Sunday	22:04	10:02
27 October 2025	Monday	22:04	10:01
28 October 2025	Tuesday	22:04	10:01
29 October 2025	Wednesday	22:04	10:01
30 October 2025	Thursday	22:04	10:01
31 October 2025	Friday	22:05	10:01

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:05	10:01
02 November 2025	Sunday	22:05	10:00
03 November 2025	Monday	22:05	10:00
04 November 2025	Tuesday	22:05	10:00
05 November 2025	Wednesday	22:05	10:00
06 November 2025	Thursday	22:05	10:00
07 November 2025	Friday	22:05	10:00
08 November 2025	Saturday	22:06	10:00
09 November 2025	Sunday	22:06	10:00
10 November 2025	Monday	22:06	10:00
11 November 2025	Tuesday	22:06	10:00
12 November 2025	Wednesday	22:06	10:00
13 November 2025	Thursday	22:07	10:00
14 November 2025	Friday	22:07	10:00
15 November 2025	Saturday	22:07	10:00
16 November 2025	Sunday	22:07	10:00
17 November 2025	Monday	22:08	10:00
18 November 2025	Tuesday	22:08	10:00
19 November 2025	Wednesday	22:08	10:00
20 November 2025	Thursday	22:09	10:01
21 November 2025	Friday	22:09	10:01
22 November 2025	Saturday	22:09	10:01
23 November 2025	Sunday	22:10	10:01
24 November 2025	Monday	22:10	10:01
25 November 2025	Tuesday	22:10	10:02
26 November 2025	Wednesday	22:11	10:02
27 November 2025	Thursday	22:11	10:02
28 November 2025	Friday	22:12	10:02
29 November 2025	Saturday	22:12	10:03
30 November 2025	Sunday	22:12	10:03

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:13	10:03
02 December 2025	Tuesday	22:13	10:03
03 December 2025	Wednesday	22:14	10:04
04 December 2025	Thursday	22:14	10:04
05 December 2025	Friday	22:15	10:05
06 December 2025	Saturday	22:15	10:05
07 December 2025	Sunday	22:16	10:05
08 December 2025	Monday	22:16	10:06
09 December 2025	Tuesday	22:16	10:06
10 December 2025	Wednesday	22:17	10:06
11 December 2025	Thursday	22:17	10:07
12 December 2025	Friday	22:18	10:07
13 December 2025	Saturday	22:18	10:08
14 December 2025	Sunday	22:19	10:08
15 December 2025	Monday	22:19	10:09
16 December 2025	Tuesday	22:20	10:09
17 December 2025	Wednesday	22:20	10:10
18 December 2025	Thursday	22:21	10:10
19 December 2025	Friday	22:21	10:11
20 December 2025	Saturday	22:22	10:11
21 December 2025	Sunday	22:22	10:12
22 December 2025	Monday	22:23	10:12
23 December 2025	Tuesday	22:23	10:13
24 December 2025	Wednesday	22:24	10:13
25 December 2025	Thursday	22:24	10:14
26 December 2025	Friday	22:25	10:14
27 December 2025	Saturday	22:25	10:15
28 December 2025	Sunday	22:26	10:15
29 December 2025	Monday	22:26	10:16
30 December 2025	Tuesday	22:27	10:16
31 December 2025	Wednesday	22:27	10:17

2.7.24 WBKS - SANDAKAN

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	22:18	10:05
02 January 2025	Thursday	22:18	10:06
03 January 2025	Friday	22:18	10:06
04 January 2025	Saturday	22:19	10:07
05 January 2025	Sunday	22:19	10:07
06 January 2025	Monday	22:20	10:08
07 January 2025	Tuesday	22:20	10:08
08 January 2025	Wednesday	22:20	10:08
09 January 2025	Thursday	22:21	10:09
10 January 2025	Friday	22:21	10:09
11 January 2025	Saturday	22:21	10:10
12 January 2025	Sunday	22:22	10:10
13 January 2025	Monday	22:22	10:11
14 January 2025	Tuesday	22:22	10:11
15 January 2025	Wednesday	22:23	10:12
16 January 2025	Thursday	22:23	10:12
17 January 2025	Friday	22:23	10:13
18 January 2025	Saturday	22:23	10:13
19 January 2025	Sunday	22:24	10:13
20 January 2025	Monday	22:24	10:14
21 January 2025	Tuesday	22:24	10:14
22 January 2025	Wednesday	22:24	10:14
23 January 2025	Thursday	22:24	10:15
24 January 2025	Friday	22:24	10:15
25 January 2025	Saturday	22:25	10:16
26 January 2025	Sunday	22:25	10:16
27 January 2025	Monday	22:25	10:16
28 January 2025	Tuesday	22:25	10:16
29 January 2025	Wednesday	22:25	10:17
30 January 2025	Thursday	22:25	10:17
31 January 2025	Friday	22:25	10:17

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	22:25	10:18
02 February 2025	Sunday	22:25	10:18
03 February 2025	Monday	22:25	10:18
04 February 2025	Tuesday	22:25	10:18
05 February 2025	Wednesday	22:25	10:19
06 February 2025	Thursday	22:25	10:19
07 February 2025	Friday	22:25	10:19
08 February 2025	Saturday	22:25	10:19
09 February 2025	Sunday	22:25	10:19
10 February 2025	Monday	22:25	10:19
11 February 2025	Tuesday	22:24	10:20
12 February 2025	Wednesday	22:24	10:20
13 February 2025	Thursday	22:24	10:20
14 February 2025	Friday	22:24	10:20
15 February 2025	Saturday	22:24	10:20
16 February 2025	Sunday	22:24	10:20
17 February 2025	Monday	22:23	10:20
18 February 2025	Tuesday	22:23	10:20
19 February 2025	Wednesday	22:23	10:20
20 February 2025	Thursday	22:23	10:20
21 February 2025	Friday	22:22	10:20
22 February 2025	Saturday	22:22	10:20
23 February 2025	Sunday	22:22	10:20
24 February 2025	Monday	22:22	10:20
25 February 2025	Tuesday	22:21	10:20
26 February 2025	Wednesday	22:21	10:20
27 February 2025	Thursday	22:21	10:20
28 February 2025	Friday	22:20	10:20

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	22:20	10:20
02 March 2025	Sunday	22:20	10:20
03 March 2025	Monday	22:19	10:20
04 March 2025	Tuesday	22:19	10:20
05 March 2025	Wednesday	22:18	10:20
06 March 2025	Thursday	22:18	10:20
07 March 2025	Friday	22:18	10:20
08 March 2025	Saturday	22:17	10:20
09 March 2025	Sunday	22:17	10:20
10 March 2025	Monday	22:16	10:20
11 March 2025	Tuesday	22:16	10:20
12 March 2025	Wednesday	22:16	10:19
13 March 2025	Thursday	22:15	10:19
14 March 2025	Friday	22:15	10:19
15 March 2025	Saturday	22:14	10:19
16 March 2025	Sunday	22:14	10:19
17 March 2025	Monday	22:13	10:19
18 March 2025	Tuesday	22:13	10:19
19 March 2025	Wednesday	22:12	10:19
20 March 2025	Thursday	22:12	10:18
21 March 2025	Friday	22:12	10:18
22 March 2025	Saturday	22:11	10:18
23 March 2025	Sunday	22:11	10:18
24 March 2025	Monday	22:10	10:18
25 March 2025	Tuesday	22:10	10:18
26 March 2025	Wednesday	22:09	10:18
27 March 2025	Thursday	22:09	10:18
28 March 2025	Friday	22:08	10:17
29 March 2025	Saturday	22:08	10:17
30 March 2025	Sunday	22:07	10:17
31 March 2025	Monday	22:07	10:17

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	22:06	10:17
02 April 2025	Wednesday	22:06	10:17
03 April 2025	Thursday	22:06	10:17
04 April 2025	Friday	22:05	10:16
05 April 2025	Saturday	22:05	10:16
06 April 2025	Sunday	22:04	10:16
07 April 2025	Monday	22:04	10:16
08 April 2025	Tuesday	22:03	10:16
09 April 2025	Wednesday	22:03	10:16
10 April 2025	Thursday	22:02	10:16
11 April 2025	Friday	22:02	10:16
12 April 2025	Saturday	22:02	10:16
13 April 2025	Sunday	22:01	10:15
14 April 2025	Monday	22:01	10:15
15 April 2025	Tuesday	22:00	10:15
16 April 2025	Wednesday	22:00	10:15
17 April 2025	Thursday	22:00	10:15
18 April 2025	Friday	21:59	10:15
19 April 2025	Saturday	21:59	10:15
20 April 2025	Sunday	21:58	10:15
21 April 2025	Monday	21:58	10:15
22 April 2025	Tuesday	21:58	10:15
23 April 2025	Wednesday	21:57	10:15
24 April 2025	Thursday	21:57	10:15
25 April 2025	Friday	21:57	10:15
26 April 2025	Saturday	21:56	10:15
27 April 2025	Sunday	21:56	10:15
28 April 2025	Monday	21:56	10:15
29 April 2025	Tuesday	21:56	10:15
30 April 2025	Wednesday	21:55	10:15

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	21:55	10:15
02 May 2025	Friday	21:55	10:15
03 May 2025	Saturday	21:55	10:15
04 May 2025	Sunday	21:54	10:15
05 May 2025	Monday	21:54	10:15
06 May 2025	Tuesday	21:54	10:15
07 May 2025	Wednesday	21:54	10:15
08 May 2025	Thursday	21:53	10:15
09 May 2025	Friday	21:53	10:15
10 May 2025	Saturday	21:53	10:15
11 May 2025	Sunday	21:53	10:15
12 May 2025	Monday	21:53	10:15
13 May 2025	Tuesday	21:53	10:16
14 May 2025	Wednesday	21:53	10:16
15 May 2025	Thursday	21:52	10:16
16 May 2025	Friday	21:52	10:16
17 May 2025	Saturday	21:52	10:16
18 May 2025	Sunday	21:52	10:16
19 May 2025	Monday	21:52	10:16
20 May 2025	Tuesday	21:52	10:17
21 May 2025	Wednesday	21:52	10:17
22 May 2025	Thursday	21:52	10:17
23 May 2025	Friday	21:52	10:17
24 May 2025	Saturday	21:52	10:17
25 May 2025	Sunday	21:52	10:17
26 May 2025	Monday	21:52	10:18
27 May 2025	Tuesday	21:52	10:18
28 May 2025	Wednesday	21:52	10:18
29 May 2025	Thursday	21:52	10:18
30 May 2025	Friday	21:52	10:18
31 May 2025	Saturday	21:52	10:19

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	21:52	10:19
02 June 2025	Monday	21:52	10:19
03 June 2025	Tuesday	21:53	10:19
04 June 2025	Wednesday	21:53	10:20
05 June 2025	Thursday	21:53	10:20
06 June 2025	Friday	21:53	10:20
07 June 2025	Saturday	21:53	10:20
08 June 2025	Sunday	21:53	10:20
09 June 2025	Monday	21:53	10:21
10 June 2025	Tuesday	21:53	10:21
11 June 2025	Wednesday	21:54	10:21
12 June 2025	Thursday	21:54	10:21
13 June 2025	Friday	21:54	10:22
14 June 2025	Saturday	21:54	10:22
15 June 2025	Sunday	21:54	10:22
16 June 2025	Monday	21:55	10:22
17 June 2025	Tuesday	21:55	10:23
18 June 2025	Wednesday	21:55	10:23
19 June 2025	Thursday	21:55	10:23
20 June 2025	Friday	21:55	10:23
21 June 2025	Saturday	21:56	10:24
22 June 2025	Sunday	21:56	10:24
23 June 2025	Monday	21:56	10:24
24 June 2025	Tuesday	21:56	10:24
25 June 2025	Wednesday	21:56	10:24
26 June 2025	Thursday	21:57	10:25
27 June 2025	Friday	21:57	10:25
28 June 2025	Saturday	21:57	10:25
29 June 2025	Sunday	21:57	10:25
30 June 2025	Monday	21:58	10:25

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	21:58	10:25
02 July 2025	Wednesday	21:58	10:26
03 July 2025	Thursday	21:58	10:26
04 July 2025	Friday	21:59	10:26
05 July 2025	Saturday	21:59	10:26
06 July 2025	Sunday	21:59	10:26
07 July 2025	Monday	21:59	10:26
08 July 2025	Tuesday	21:59	10:26
09 July 2025	Wednesday	22:00	10:26
10 July 2025	Thursday	22:00	10:26
11 July 2025	Friday	22:00	10:27
12 July 2025	Saturday	22:00	10:27
13 July 2025	Sunday	22:00	10:27
14 July 2025	Monday	22:01	10:27
15 July 2025	Tuesday	22:01	10:27
16 July 2025	Wednesday	22:01	10:27
17 July 2025	Thursday	22:01	10:27
18 July 2025	Friday	22:01	10:27
19 July 2025	Saturday	22:01	10:27
20 July 2025	Sunday	22:02	10:27
21 July 2025	Monday	22:02	10:27
22 July 2025	Tuesday	22:02	10:27
23 July 2025	Wednesday	22:02	10:26
24 July 2025	Thursday	22:02	10:26
25 July 2025	Friday	22:02	10:26
26 July 2025	Saturday	22:02	10:26
27 July 2025	Sunday	22:03	10:26
28 July 2025	Monday	22:03	10:26
29 July 2025	Tuesday	22:03	10:26
30 July 2025	Wednesday	22:03	10:26
31 July 2025	Thursday	22:03	10:25

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	22:03	10:25
02 August 2025	Saturday	22:03	10:25
03 August 2025	Sunday	22:03	10:25
04 August 2025	Monday	22:03	10:25
05 August 2025	Tuesday	22:03	10:24
06 August 2025	Wednesday	22:03	10:24
07 August 2025	Thursday	22:03	10:24
08 August 2025	Friday	22:03	10:24
09 August 2025	Saturday	22:03	10:23
10 August 2025	Sunday	22:03	10:23
11 August 2025	Monday	22:03	10:23
12 August 2025	Tuesday	22:03	10:23
13 August 2025	Wednesday	22:03	10:22
14 August 2025	Thursday	22:03	10:22
15 August 2025	Friday	22:03	10:22
16 August 2025	Saturday	22:03	10:21
17 August 2025	Sunday	22:03	10:21
18 August 2025	Monday	22:03	10:20
19 August 2025	Tuesday	22:03	10:20
20 August 2025	Wednesday	22:03	10:20
21 August 2025	Thursday	22:02	10:19
22 August 2025	Friday	22:02	10:19
23 August 2025	Saturday	22:02	10:18
24 August 2025	Sunday	22:02	10:18
25 August 2025	Monday	22:02	10:18
26 August 2025	Tuesday	22:02	10:17
27 August 2025	Wednesday	22:02	10:17
28 August 2025	Thursday	22:02	10:16
29 August 2025	Friday	22:02	10:16
30 August 2025	Saturday	22:01	10:15
31 August 2025	Sunday	22:01	10:15

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:01	10:14
02 September 2025	Tuesday	22:01	10:14
03 September 2025	Wednesday	22:01	10:14
04 September 2025	Thursday	22:01	10:13
05 September 2025	Friday	22:00	10:13
06 September 2025	Saturday	22:00	10:12
07 September 2025	Sunday	22:00	10:12
08 September 2025	Monday	22:00	10:11
09 September 2025	Tuesday	22:00	10:11
10 September 2025	Wednesday	21:59	10:10
11 September 2025	Thursday	21:59	10:09
12 September 2025	Friday	21:59	10:09
13 September 2025	Saturday	21:59	10:08
14 September 2025	Sunday	21:59	10:08
15 September 2025	Monday	21:58	10:07
16 September 2025	Tuesday	21:58	10:07
17 September 2025	Wednesday	21:58	10:06
18 September 2025	Thursday	21:58	10:06
19 September 2025	Friday	21:58	10:05
20 September 2025	Saturday	21:58	10:05
21 September 2025	Sunday	21:57	10:04
22 September 2025	Monday	21:57	10:04
23 September 2025	Tuesday	21:57	10:03
24 September 2025	Wednesday	21:57	10:03
25 September 2025	Thursday	21:57	10:02
26 September 2025	Friday	21:56	10:02
27 September 2025	Saturday	21:56	10:01
28 September 2025	Sunday	21:56	10:01
29 September 2025	Monday	21:56	10:00
30 September 2025	Tuesday	21:56	10:00

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	21:56	9:59
02 October 2025	Thursday	21:55	9:59
03 October 2025	Friday	21:55	9:58
04 October 2025	Saturday	21:55	9:58
05 October 2025	Sunday	21:55	9:57
06 October 2025	Monday	21:55	9:57
07 October 2025	Tuesday	21:55	9:57
08 October 2025	Wednesday	21:54	9:56
09 October 2025	Thursday	21:54	9:56
10 October 2025	Friday	21:54	9:55
11 October 2025	Saturday	21:54	9:55
12 October 2025	Sunday	21:54	9:54
13 October 2025	Monday	21:54	9:54
14 October 2025	Tuesday	21:54	9:54
15 October 2025	Wednesday	21:54	9:53
16 October 2025	Thursday	21:54	9:53
17 October 2025	Friday	21:54	9:53
18 October 2025	Saturday	21:54	9:52
19 October 2025	Sunday	21:54	9:52
20 October 2025	Monday	21:54	9:52
21 October 2025	Tuesday	21:54	9:51
22 October 2025	Wednesday	21:53	9:51
23 October 2025	Thursday	21:53	9:51
24 October 2025	Friday	21:54	9:50
25 October 2025	Saturday	21:54	9:50
26 October 2025	Sunday	21:54	9:50
27 October 2025	Monday	21:54	9:50
28 October 2025	Tuesday	21:54	9:49
29 October 2025	Wednesday	21:54	9:49
30 October 2025	Thursday	21:54	9:49
31 October 2025	Friday	21:54	9:49

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	21:54	9:49
02 November 2025	Sunday	21:54	9:48
03 November 2025	Monday	21:54	9:48
04 November 2025	Tuesday	21:54	9:48
05 November 2025	Wednesday	21:55	9:48
06 November 2025	Thursday	21:55	9:48
07 November 2025	Friday	21:55	9:48
08 November 2025	Saturday	21:55	9:48
09 November 2025	Sunday	21:55	9:48
10 November 2025	Monday	21:55	9:48
11 November 2025	Tuesday	21:56	9:48
12 November 2025	Wednesday	21:56	9:48
13 November 2025	Thursday	21:56	9:48
14 November 2025	Friday	21:56	9:48
15 November 2025	Saturday	21:57	9:48
16 November 2025	Sunday	21:57	9:48
17 November 2025	Monday	21:57	9:48
18 November 2025	Tuesday	21:58	9:48
19 November 2025	Wednesday	21:58	9:48
20 November 2025	Thursday	21:58	9:48
21 November 2025	Friday	21:59	9:49
22 November 2025	Saturday	21:59	9:49
23 November 2025	Sunday	21:59	9:49
24 November 2025	Monday	22:00	9:49
25 November 2025	Tuesday	22:00	9:49
26 November 2025	Wednesday	22:00	9:50
27 November 2025	Thursday	22:01	9:50
28 November 2025	Friday	22:01	9:50
29 November 2025	Saturday	22:02	9:50
30 November 2025	Sunday	22:02	9:51

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:03	9:51
02 December 2025	Tuesday	22:03	9:51
03 December 2025	Wednesday	22:03	9:52
04 December 2025	Thursday	22:04	9:52
05 December 2025	Friday	22:04	9:52
06 December 2025	Saturday	22:05	9:53
07 December 2025	Sunday	22:05	9:53
08 December 2025	Monday	22:06	9:53
09 December 2025	Tuesday	22:06	9:54
10 December 2025	Wednesday	22:07	9:54
11 December 2025	Thursday	22:07	9:55
12 December 2025	Friday	22:08	9:55
13 December 2025	Saturday	22:08	9:55
14 December 2025	Sunday	22:09	9:56
15 December 2025	Monday	22:09	9:56
16 December 2025	Tuesday	22:10	9:57
17 December 2025	Wednesday	22:10	9:57
18 December 2025	Thursday	22:11	9:58
19 December 2025	Friday	22:11	9:58
20 December 2025	Saturday	22:12	9:59
21 December 2025	Sunday	22:12	9:59
22 December 2025	Monday	22:13	10:00
23 December 2025	Tuesday	22:13	10:00
24 December 2025	Wednesday	22:14	10:01
25 December 2025	Thursday	22:14	10:01
26 December 2025	Friday	22:15	10:02
27 December 2025	Saturday	22:15	10:02
28 December 2025	Sunday	22:16	10:03
29 December 2025	Monday	22:16	10:03
30 December 2025	Tuesday	22:17	10:04
31 December 2025	Wednesday	22:17	10:04

2.7.25 WBKW - TAWAU

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	22:15	10:07
02 January 2025	Thursday	22:15	10:08
03 January 2025	Friday	22:16	10:08
04 January 2025	Saturday	22:16	10:09
05 January 2025	Sunday	22:16	10:09
06 January 2025	Monday	22:17	10:10
07 January 2025	Tuesday	22:17	10:10
08 January 2025	Wednesday	22:18	10:11
09 January 2025	Thursday	22:18	10:11
10 January 2025	Friday	22:18	10:12
11 January 2025	Saturday	22:19	10:12
12 January 2025	Sunday	22:19	10:13
13 January 2025	Monday	22:19	10:13
14 January 2025	Tuesday	22:20	10:14
15 January 2025	Wednesday	22:20	10:14
16 January 2025	Thursday	22:20	10:14
17 January 2025	Friday	22:21	10:15
18 January 2025	Saturday	22:21	10:15
19 January 2025	Sunday	22:21	10:15
20 January 2025	Monday	22:21	10:16
21 January 2025	Tuesday	22:21	10:16
22 January 2025	Wednesday	22:22	10:17
23 January 2025	Thursday	22:22	10:17
24 January 2025	Friday	22:22	10:17
25 January 2025	Saturday	22:22	10:17
26 January 2025	Sunday	22:22	10:18
27 January 2025	Monday	22:22	10:18
28 January 2025	Tuesday	22:23	10:18
29 January 2025	Wednesday	22:23	10:19
30 January 2025	Thursday	22:23	10:19
31 January 2025	Friday	22:23	10:19

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	22:23	10:19
02 February 2025	Sunday	22:23	10:20
03 February 2025	Monday	22:23	10:20
04 February 2025	Tuesday	22:23	10:20
05 February 2025	Wednesday	22:23	10:20
06 February 2025	Thursday	22:23	10:20
07 February 2025	Friday	22:23	10:20
08 February 2025	Saturday	22:23	10:21
09 February 2025	Sunday	22:23	10:21
10 February 2025	Monday	22:23	10:21
11 February 2025	Tuesday	22:23	10:21
12 February 2025	Wednesday	22:23	10:21
13 February 2025	Thursday	22:22	10:21
14 February 2025	Friday	22:22	10:21
15 February 2025	Saturday	22:22	10:21
16 February 2025	Sunday	22:22	10:21
17 February 2025	Monday	22:22	10:21
18 February 2025	Tuesday	22:22	10:21
19 February 2025	Wednesday	22:21	10:21
20 February 2025	Thursday	22:21	10:21
21 February 2025	Friday	22:21	10:21
22 February 2025	Saturday	22:21	10:21
23 February 2025	Sunday	22:21	10:21
24 February 2025	Monday	22:20	10:21
25 February 2025	Tuesday	22:20	10:21
26 February 2025	Wednesday	22:20	10:21
27 February 2025	Thursday	22:19	10:21
28 February 2025	Friday	22:19	10:21

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	22:19	10:21
02 March 2025	Sunday	22:19	10:21
03 March 2025	Monday	22:18	10:21
04 March 2025	Tuesday	22:18	10:21
05 March 2025	Wednesday	22:18	10:21
06 March 2025	Thursday	22:17	10:20
07 March 2025	Friday	22:17	10:20
08 March 2025	Saturday	22:17	10:20
09 March 2025	Sunday	22:16	10:20
10 March 2025	Monday	22:16	10:20
11 March 2025	Tuesday	22:15	10:20
12 March 2025	Wednesday	22:15	10:20
13 March 2025	Thursday	22:15	10:19
14 March 2025	Friday	22:14	10:19
15 March 2025	Saturday	22:14	10:19
16 March 2025	Sunday	22:13	10:19
17 March 2025	Monday	22:13	10:19
18 March 2025	Tuesday	22:13	10:19
19 March 2025	Wednesday	22:12	10:18
20 March 2025	Thursday	22:12	10:18
21 March 2025	Friday	22:11	10:18
22 March 2025	Saturday	22:11	10:18
23 March 2025	Sunday	22:11	10:18
24 March 2025	Monday	22:10	10:18
25 March 2025	Tuesday	22:10	10:17
26 March 2025	Wednesday	22:09	10:17
27 March 2025	Thursday	22:09	10:17
28 March 2025	Friday	22:08	10:17
29 March 2025	Saturday	22:08	10:17
30 March 2025	Sunday	22:08	10:16
31 March 2025	Monday	22:07	10:16

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	22:07	10:16
02 April 2025	Wednesday	22:06	10:16
03 April 2025	Thursday	22:06	10:16
04 April 2025	Friday	22:06	10:16
05 April 2025	Saturday	22:05	10:15
06 April 2025	Sunday	22:05	10:15
07 April 2025	Monday	22:04	10:15
08 April 2025	Tuesday	22:04	10:15
09 April 2025	Wednesday	22:04	10:15
10 April 2025	Thursday	22:03	10:15
11 April 2025	Friday	22:03	10:14
12 April 2025	Saturday	22:02	10:14
13 April 2025	Sunday	22:02	10:14
14 April 2025	Monday	22:02	10:14
15 April 2025	Tuesday	22:01	10:14
16 April 2025	Wednesday	22:01	10:14
17 April 2025	Thursday	22:01	10:14
18 April 2025	Friday	22:00	10:14
19 April 2025	Saturday	22:00	10:13
20 April 2025	Sunday	22:00	10:13
21 April 2025	Monday	21:59	10:13
22 April 2025	Tuesday	21:59	10:13
23 April 2025	Wednesday	21:59	10:13
24 April 2025	Thursday	21:58	10:13
25 April 2025	Friday	21:58	10:13
26 April 2025	Saturday	21:58	10:13
27 April 2025	Sunday	21:58	10:13
28 April 2025	Monday	21:57	10:13
29 April 2025	Tuesday	21:57	10:13
30 April 2025	Wednesday	21:57	10:13

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	21:57	10:13
02 May 2025	Friday	21:56	10:13
03 May 2025	Saturday	21:56	10:13
04 May 2025	Sunday	21:56	10:13
05 May 2025	Monday	21:56	10:13
06 May 2025	Tuesday	21:56	10:13
07 May 2025	Wednesday	21:55	10:13
08 May 2025	Thursday	21:55	10:13
09 May 2025	Friday	21:55	10:13
10 May 2025	Saturday	21:55	10:13
11 May 2025	Sunday	21:55	10:13
12 May 2025	Monday	21:55	10:13
13 May 2025	Tuesday	21:55	10:13
14 May 2025	Wednesday	21:55	10:13
15 May 2025	Thursday	21:54	10:13
16 May 2025	Friday	21:54	10:13
17 May 2025	Saturday	21:54	10:14
18 May 2025	Sunday	21:54	10:14
19 May 2025	Monday	21:54	10:14
20 May 2025	Tuesday	21:54	10:14
21 May 2025	Wednesday	21:54	10:14
22 May 2025	Thursday	21:54	10:14
23 May 2025	Friday	21:54	10:14
24 May 2025	Saturday	21:54	10:15
25 May 2025	Sunday	21:54	10:15
26 May 2025	Monday	21:54	10:15
27 May 2025	Tuesday	21:54	10:15
28 May 2025	Wednesday	21:54	10:15
29 May 2025	Thursday	21:54	10:15
30 May 2025	Friday	21:55	10:16
31 May 2025	Saturday	21:55	10:16

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	21:55	10:16
02 June 2025	Monday	21:55	10:16
03 June 2025	Tuesday	21:55	10:16
04 June 2025	Wednesday	21:55	10:17
05 June 2025	Thursday	21:55	10:17
06 June 2025	Friday	21:55	10:17
07 June 2025	Saturday	21:55	10:17
08 June 2025	Sunday	21:56	10:18
09 June 2025	Monday	21:56	10:18
10 June 2025	Tuesday	21:56	10:18
11 June 2025	Wednesday	21:56	10:18
12 June 2025	Thursday	21:56	10:18
13 June 2025	Friday	21:57	10:19
14 June 2025	Saturday	21:57	10:19
15 June 2025	Sunday	21:57	10:19
16 June 2025	Monday	21:57	10:19
17 June 2025	Tuesday	21:57	10:20
18 June 2025	Wednesday	21:58	10:20
19 June 2025	Thursday	21:58	10:20
20 June 2025	Friday	21:58	10:20
21 June 2025	Saturday	21:58	10:21
22 June 2025	Sunday	21:58	10:21
23 June 2025	Monday	21:59	10:21
24 June 2025	Tuesday	21:59	10:21
25 June 2025	Wednesday	21:59	10:21
26 June 2025	Thursday	21:59	10:22
27 June 2025	Friday	21:59	10:22
28 June 2025	Saturday	22:00	10:22
29 June 2025	Sunday	22:00	10:22
30 June 2025	Monday	22:00	10:22

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:00	10:22
02 July 2025	Wednesday	22:01	10:23
03 July 2025	Thursday	22:01	10:23
04 July 2025	Friday	22:01	10:23
05 July 2025	Saturday	22:01	10:23
06 July 2025	Sunday	22:01	10:23
07 July 2025	Monday	22:02	10:23
08 July 2025	Tuesday	22:02	10:23
09 July 2025	Wednesday	22:02	10:24
10 July 2025	Thursday	22:02	10:24
11 July 2025	Friday	22:02	10:24
12 July 2025	Saturday	22:03	10:24
13 July 2025	Sunday	22:03	10:24
14 July 2025	Monday	22:03	10:24
15 July 2025	Tuesday	22:03	10:24
16 July 2025	Wednesday	22:03	10:24
17 July 2025	Thursday	22:03	10:24
18 July 2025	Friday	22:04	10:24
19 July 2025	Saturday	22:04	10:24
20 July 2025	Sunday	22:04	10:24
21 July 2025	Monday	22:04	10:24
22 July 2025	Tuesday	22:04	10:24
23 July 2025	Wednesday	22:04	10:24
24 July 2025	Thursday	22:04	10:24
25 July 2025	Friday	22:04	10:24
26 July 2025	Saturday	22:04	10:24
27 July 2025	Sunday	22:05	10:24
28 July 2025	Monday	22:05	10:24
29 July 2025	Tuesday	22:05	10:23
30 July 2025	Wednesday	22:05	10:23
31 July 2025	Thursday	22:05	10:23

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	22:05	10:23
02 August 2025	Saturday	22:05	10:23
03 August 2025	Sunday	22:05	10:23
04 August 2025	Monday	22:05	10:22
05 August 2025	Tuesday	22:05	10:22
06 August 2025	Wednesday	22:05	10:22
07 August 2025	Thursday	22:05	10:22
08 August 2025	Friday	22:05	10:22
09 August 2025	Saturday	22:05	10:21
10 August 2025	Sunday	22:05	10:21
11 August 2025	Monday	22:05	10:21
12 August 2025	Tuesday	22:05	10:21
13 August 2025	Wednesday	22:05	10:20
14 August 2025	Thursday	22:04	10:20
15 August 2025	Friday	22:04	10:20
16 August 2025	Saturday	22:04	10:19
17 August 2025	Sunday	22:04	10:19
18 August 2025	Monday	22:04	10:19
19 August 2025	Tuesday	22:04	10:18
20 August 2025	Wednesday	22:04	10:18
21 August 2025	Thursday	22:04	10:18
22 August 2025	Friday	22:04	10:17
23 August 2025	Saturday	22:03	10:17
24 August 2025	Sunday	22:03	10:17
25 August 2025	Monday	22:03	10:16
26 August 2025	Tuesday	22:03	10:16
27 August 2025	Wednesday	22:03	10:15
28 August 2025	Thursday	22:03	10:15
29 August 2025	Friday	22:02	10:15
30 August 2025	Saturday	22:02	10:14
31 August 2025	Sunday	22:02	10:14

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:02	10:13
02 September 2025	Tuesday	22:02	10:13
03 September 2025	Wednesday	22:01	10:12
04 September 2025	Thursday	22:01	10:12
05 September 2025	Friday	22:01	10:12
06 September 2025	Saturday	22:01	10:11
07 September 2025	Sunday	22:00	10:11
08 September 2025	Monday	22:00	10:10
09 September 2025	Tuesday	22:00	10:10
10 September 2025	Wednesday	22:00	10:09
11 September 2025	Thursday	22:00	10:09
12 September 2025	Friday	21:59	10:08
13 September 2025	Saturday	21:59	10:08
14 September 2025	Sunday	21:59	10:07
15 September 2025	Monday	21:59	10:07
16 September 2025	Tuesday	21:58	10:06
17 September 2025	Wednesday	21:58	10:06
18 September 2025	Thursday	21:58	10:05
19 September 2025	Friday	21:58	10:05
20 September 2025	Saturday	21:57	10:05
21 September 2025	Sunday	21:57	10:04
22 September 2025	Monday	21:57	10:04
23 September 2025	Tuesday	21:57	10:03
24 September 2025	Wednesday	21:56	10:03
25 September 2025	Thursday	21:56	10:02
26 September 2025	Friday	21:56	10:02
27 September 2025	Saturday	21:56	10:01
28 September 2025	Sunday	21:56	10:01
29 September 2025	Monday	21:55	10:00
30 September 2025	Tuesday	21:55	10:00

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	21:55	9:59
02 October 2025	Thursday	21:55	9:59
03 October 2025	Friday	21:55	9:59
04 October 2025	Saturday	21:54	9:58
05 October 2025	Sunday	21:54	9:58
06 October 2025	Monday	21:54	9:57
07 October 2025	Tuesday	21:54	9:57
08 October 2025	Wednesday	21:54	9:57
09 October 2025	Thursday	21:53	9:56
10 October 2025	Friday	21:53	9:56
11 October 2025	Saturday	21:53	9:55
12 October 2025	Sunday	21:53	9:55
13 October 2025	Monday	21:53	9:55
14 October 2025	Tuesday	21:53	9:54
15 October 2025	Wednesday	21:53	9:54
16 October 2025	Thursday	21:53	9:54
17 October 2025	Friday	21:52	9:53
18 October 2025	Saturday	21:52	9:53
19 October 2025	Sunday	21:52	9:53
20 October 2025	Monday	21:52	9:53
21 October 2025	Tuesday	21:52	9:52
22 October 2025	Wednesday	21:52	9:52
23 October 2025	Thursday	21:52	9:52
24 October 2025	Friday	21:52	9:51
25 October 2025	Saturday	21:52	9:51
26 October 2025	Sunday	21:52	9:51
27 October 2025	Monday	21:52	9:51
28 October 2025	Tuesday	21:52	9:51
29 October 2025	Wednesday	21:52	9:51
30 October 2025	Thursday	21:52	9:50
31 October 2025	Friday	21:52	9:50

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	21:52	9:50
02 November 2025	Sunday	21:52	9:50
03 November 2025	Monday	21:52	9:50
04 November 2025	Tuesday	21:52	9:50
05 November 2025	Wednesday	21:53	9:50
06 November 2025	Thursday	21:53	9:50
07 November 2025	Friday	21:53	9:50
08 November 2025	Saturday	21:53	9:50
09 November 2025	Sunday	21:53	9:50
10 November 2025	Monday	21:53	9:50
11 November 2025	Tuesday	21:53	9:50
12 November 2025	Wednesday	21:54	9:50
13 November 2025	Thursday	21:54	9:50
14 November 2025	Friday	21:54	9:50
15 November 2025	Saturday	21:54	9:50
16 November 2025	Sunday	21:55	9:50
17 November 2025	Monday	21:55	9:50
18 November 2025	Tuesday	21:55	9:50
19 November 2025	Wednesday	21:55	9:50
20 November 2025	Thursday	21:56	9:51
21 November 2025	Friday	21:56	9:51
22 November 2025	Saturday	21:56	9:51
23 November 2025	Sunday	21:57	9:51
24 November 2025	Monday	21:57	9:51
25 November 2025	Tuesday	21:57	9:52
26 November 2025	Wednesday	21:58	9:52
27 November 2025	Thursday	21:58	9:52
28 November 2025	Friday	21:59	9:52
29 November 2025	Saturday	21:59	9:53
30 November 2025	Sunday	21:59	9:53

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:00	9:53
02 December 2025	Tuesday	22:00	9:54
03 December 2025	Wednesday	22:01	9:54
04 December 2025	Thursday	22:01	9:54
05 December 2025	Friday	22:02	9:55
06 December 2025	Saturday	22:02	9:55
07 December 2025	Sunday	22:02	9:55
08 December 2025	Monday	22:03	9:56
09 December 2025	Tuesday	22:03	9:56
10 December 2025	Wednesday	22:04	9:57
11 December 2025	Thursday	22:04	9:57
12 December 2025	Friday	22:05	9:58
13 December 2025	Saturday	22:05	9:58
14 December 2025	Sunday	22:06	9:58
15 December 2025	Monday	22:06	9:59
16 December 2025	Tuesday	22:07	9:59
17 December 2025	Wednesday	22:07	10:00
18 December 2025	Thursday	22:08	10:00
19 December 2025	Friday	22:08	10:01
20 December 2025	Saturday	22:09	10:01
21 December 2025	Sunday	22:09	10:02
22 December 2025	Monday	22:10	10:02
23 December 2025	Tuesday	22:10	10:03
24 December 2025	Wednesday	22:11	10:03
25 December 2025	Thursday	22:11	10:04
26 December 2025	Friday	22:12	10:04
27 December 2025	Saturday	22:12	10:05
28 December 2025	Sunday	22:13	10:05
29 December 2025	Monday	22:13	10:06
30 December 2025	Tuesday	22:14	10:06
31 December 2025	Wednesday	22:14	10:07

2.7.26 WBMU - MULU

DATE	DAY	SUNRISE	SUNSET
01 January 2025	Wednesday	22:27	10:21
02 January 2025	Thursday	22:28	10:22
03 January 2025	Friday	22:28	10:22
04 January 2025	Saturday	22:29	10:23
05 January 2025	Sunday	22:29	10:23
06 January 2025	Monday	22:30	10:24
07 January 2025	Tuesday	22:30	10:24
08 January 2025	Wednesday	22:30	10:25
09 January 2025	Thursday	22:31	10:25
10 January 2025	Friday	22:31	10:25
11 January 2025	Saturday	22:31	10:26
12 January 2025	Sunday	22:32	10:26
13 January 2025	Monday	22:32	10:27
14 January 2025	Tuesday	22:32	10:27
15 January 2025	Wednesday	22:33	10:28
16 January 2025	Thursday	22:33	10:28
17 January 2025	Friday	22:33	10:28
18 January 2025	Saturday	22:34	10:29
19 January 2025	Sunday	22:34	10:29
20 January 2025	Monday	22:34	10:29
21 January 2025	Tuesday	22:34	10:30
22 January 2025	Wednesday	22:34	10:30
23 January 2025	Thursday	22:35	10:30
24 January 2025	Friday	22:35	10:31
25 January 2025	Saturday	22:35	10:31
26 January 2025	Sunday	22:35	10:31
27 January 2025	Monday	22:35	10:32
28 January 2025	Tuesday	22:35	10:32
29 January 2025	Wednesday	22:36	10:32
30 January 2025	Thursday	22:36	10:32
31 January 2025	Friday	22:36	10:33

DATE	DAY	SUNRISE	SUNSET
01 February 2025	Saturday	22:36	10:33
02 February 2025	Sunday	22:36	10:33
03 February 2025	Monday	22:36	10:33
04 February 2025	Tuesday	22:36	10:33
05 February 2025	Wednesday	22:36	10:34
06 February 2025	Thursday	22:36	10:34
07 February 2025	Friday	22:36	10:34
08 February 2025	Saturday	22:36	10:34
09 February 2025	Sunday	22:36	10:34
10 February 2025	Monday	22:36	10:34
11 February 2025	Tuesday	22:36	10:34
12 February 2025	Wednesday	22:35	10:34
13 February 2025	Thursday	22:35	10:35
14 February 2025	Friday	22:35	10:35
15 February 2025	Saturday	22:35	10:35
16 February 2025	Sunday	22:35	10:35
17 February 2025	Monday	22:35	10:35
18 February 2025	Tuesday	22:35	10:35
19 February 2025	Wednesday	22:34	10:35
20 February 2025	Thursday	22:34	10:35
21 February 2025	Friday	22:34	10:35
22 February 2025	Saturday	22:34	10:35
23 February 2025	Sunday	22:34	10:35
24 February 2025	Monday	22:33	10:35
25 February 2025	Tuesday	22:33	10:35
26 February 2025	Wednesday	22:33	10:35
27 February 2025	Thursday	22:32	10:34
28 February 2025	Friday	22:32	10:34

DATE	DAY	SUNRISE	SUNSET
01 March 2025	Saturday	22:32	10:34
02 March 2025	Sunday	22:32	10:34
03 March 2025	Monday	22:31	10:34
04 March 2025	Tuesday	22:31	10:34
05 March 2025	Wednesday	22:31	10:34
06 March 2025	Thursday	22:30	10:34
07 March 2025	Friday	22:30	10:34
08 March 2025	Saturday	22:30	10:33
09 March 2025	Sunday	22:29	10:33
10 March 2025	Monday	22:29	10:33
11 March 2025	Tuesday	22:29	10:33
12 March 2025	Wednesday	22:28	10:33
13 March 2025	Thursday	22:28	10:33
14 March 2025	Friday	22:27	10:33
15 March 2025	Saturday	22:27	10:32
16 March 2025	Sunday	22:27	10:32
17 March 2025	Monday	22:26	10:32
18 March 2025	Tuesday	22:26	10:32
19 March 2025	Wednesday	22:25	10:32
20 March 2025	Thursday	22:25	10:31
21 March 2025	Friday	22:25	10:31
22 March 2025	Saturday	22:24	10:31
23 March 2025	Sunday	22:24	10:31
24 March 2025	Monday	22:23	10:31
25 March 2025	Tuesday	22:23	10:31
26 March 2025	Wednesday	22:23	10:30
27 March 2025	Thursday	22:22	10:30
28 March 2025	Friday	22:22	10:30
29 March 2025	Saturday	22:21	10:30
30 March 2025	Sunday	22:21	10:30
31 March 2025	Monday	22:20	10:29

DATE	DAY	SUNRISE	SUNSET
01 April 2025	Tuesday	22:20	10:29
02 April 2025	Wednesday	22:20	10:29
03 April 2025	Thursday	22:19	10:29
04 April 2025	Friday	22:19	10:29
05 April 2025	Saturday	22:18	10:29
06 April 2025	Sunday	22:18	10:28
07 April 2025	Monday	22:18	10:28
08 April 2025	Tuesday	22:17	10:28
09 April 2025	Wednesday	22:17	10:28
10 April 2025	Thursday	22:17	10:28
11 April 2025	Friday	22:16	10:28
12 April 2025	Saturday	22:16	10:27
13 April 2025	Sunday	22:15	10:27
14 April 2025	Monday	22:15	10:27
15 April 2025	Tuesday	22:15	10:27
16 April 2025	Wednesday	22:14	10:27
17 April 2025	Thursday	22:14	10:27
18 April 2025	Friday	22:14	10:27
19 April 2025	Saturday	22:13	10:26
20 April 2025	Sunday	22:13	10:26
21 April 2025	Monday	22:13	10:26
22 April 2025	Tuesday	22:12	10:26
23 April 2025	Wednesday	22:12	10:26
24 April 2025	Thursday	22:12	10:26
25 April 2025	Friday	22:12	10:26
26 April 2025	Saturday	22:11	10:26
27 April 2025	Sunday	22:11	10:26
28 April 2025	Monday	22:11	10:26
29 April 2025	Tuesday	22:11	10:26
30 April 2025	Wednesday	22:10	10:26

DATE	DAY	SUNRISE	SUNSET
01 May 2025	Thursday	22:10	10:26
02 May 2025	Friday	22:10	10:26
03 May 2025	Saturday	22:10	10:26
04 May 2025	Sunday	22:09	10:26
05 May 2025	Monday	22:09	10:26
06 May 2025	Tuesday	22:09	10:26
07 May 2025	Wednesday	22:09	10:26
08 May 2025	Thursday	22:09	10:26
09 May 2025	Friday	22:09	10:26
10 May 2025	Saturday	22:09	10:26
11 May 2025	Sunday	22:08	10:26
12 May 2025	Monday	22:08	10:26
13 May 2025	Tuesday	22:08	10:26
14 May 2025	Wednesday	22:08	10:26
15 May 2025	Thursday	22:08	10:26
16 May 2025	Friday	22:08	10:26
17 May 2025	Saturday	22:08	10:26
18 May 2025	Sunday	22:08	10:27
19 May 2025	Monday	22:08	10:27
20 May 2025	Tuesday	22:08	10:27
21 May 2025	Wednesday	22:08	10:27
22 May 2025	Thursday	22:08	10:27
23 May 2025	Friday	22:08	10:27
24 May 2025	Saturday	22:08	10:27
25 May 2025	Sunday	22:08	10:28
26 May 2025	Monday	22:08	10:28
27 May 2025	Tuesday	22:08	10:28
28 May 2025	Wednesday	22:08	10:28
29 May 2025	Thursday	22:08	10:28
30 May 2025	Friday	22:08	10:28
31 May 2025	Saturday	22:08	10:29

DATE	DAY	SUNRISE	SUNSET
01 June 2025	Sunday	22:08	10:29
02 June 2025	Monday	22:08	10:29
03 June 2025	Tuesday	22:09	10:29
04 June 2025	Wednesday	22:09	10:29
05 June 2025	Thursday	22:09	10:30
06 June 2025	Friday	22:09	10:30
07 June 2025	Saturday	22:09	10:30
08 June 2025	Sunday	22:09	10:30
09 June 2025	Monday	22:09	10:31
10 June 2025	Tuesday	22:10	10:31
11 June 2025	Wednesday	22:10	10:31
12 June 2025	Thursday	22:10	10:31
13 June 2025	Friday	22:10	10:31
14 June 2025	Saturday	22:10	10:32
15 June 2025	Sunday	22:11	10:32
16 June 2025	Monday	22:11	10:32
17 June 2025	Tuesday	22:11	10:32
18 June 2025	Wednesday	22:11	10:33
19 June 2025	Thursday	22:11	10:33
20 June 2025	Friday	22:12	10:33
21 June 2025	Saturday	22:12	10:33
22 June 2025	Sunday	22:12	10:33
23 June 2025	Monday	22:12	10:34
24 June 2025	Tuesday	22:12	10:34
25 June 2025	Wednesday	22:13	10:34
26 June 2025	Thursday	22:13	10:34
27 June 2025	Friday	22:13	10:35
28 June 2025	Saturday	22:13	10:35
29 June 2025	Sunday	22:14	10:35
30 June 2025	Monday	22:14	10:35

DATE	DAY	SUNRISE	SUNSET
01 July 2025	Tuesday	22:14	10:35
02 July 2025	Wednesday	22:14	10:35
03 July 2025	Thursday	22:14	10:36
04 July 2025	Friday	22:15	10:36
05 July 2025	Saturday	22:15	10:36
06 July 2025	Sunday	22:15	10:36
07 July 2025	Monday	22:15	10:36
08 July 2025	Tuesday	22:16	10:36
09 July 2025	Wednesday	22:16	10:36
10 July 2025	Thursday	22:16	10:36
11 July 2025	Friday	22:16	10:36
12 July 2025	Saturday	22:16	10:37
13 July 2025	Sunday	22:16	10:37
14 July 2025	Monday	22:17	10:37
15 July 2025	Tuesday	22:17	10:37
16 July 2025	Wednesday	22:17	10:37
17 July 2025	Thursday	22:17	10:37
18 July 2025	Friday	22:17	10:37
19 July 2025	Saturday	22:17	10:37
20 July 2025	Sunday	22:17	10:37
21 July 2025	Monday	22:18	10:37
22 July 2025	Tuesday	22:18	10:37
23 July 2025	Wednesday	22:18	10:37
24 July 2025	Thursday	22:18	10:37
25 July 2025	Friday	22:18	10:37
26 July 2025	Saturday	22:18	10:37
27 July 2025	Sunday	22:18	10:36
28 July 2025	Monday	22:18	10:36
29 July 2025	Tuesday	22:18	10:36
30 July 2025	Wednesday	22:18	10:36
31 July 2025	Thursday	22:18	10:36

DATE	DAY	SUNRISE	SUNSET
01 August 2025	Friday	22:18	10:36
02 August 2025	Saturday	22:18	10:36
03 August 2025	Sunday	22:18	10:36
04 August 2025	Monday	22:18	10:35
05 August 2025	Tuesday	22:18	10:35
06 August 2025	Wednesday	22:18	10:35
07 August 2025	Thursday	22:18	10:35
08 August 2025	Friday	22:18	10:35
09 August 2025	Saturday	22:18	10:34
10 August 2025	Sunday	22:18	10:34
11 August 2025	Monday	22:18	10:34
12 August 2025	Tuesday	22:18	10:34
13 August 2025	Wednesday	22:18	10:33
14 August 2025	Thursday	22:18	10:33
15 August 2025	Friday	22:18	10:33
16 August 2025	Saturday	22:18	10:32
17 August 2025	Sunday	22:18	10:32
18 August 2025	Monday	22:18	10:32
19 August 2025	Tuesday	22:17	10:31
20 August 2025	Wednesday	22:17	10:31
21 August 2025	Thursday	22:17	10:31
22 August 2025	Friday	22:17	10:30
23 August 2025	Saturday	22:17	10:30
24 August 2025	Sunday	22:17	10:30
25 August 2025	Monday	22:16	10:29
26 August 2025	Tuesday	22:16	10:29
27 August 2025	Wednesday	22:16	10:28
28 August 2025	Thursday	22:16	10:28
29 August 2025	Friday	22:16	10:28
30 August 2025	Saturday	22:16	10:27
31 August 2025	Sunday	22:15	10:27

DATE	DAY	SUNRISE	SUNSET
01 September 2025	Monday	22:15	10:26
02 September 2025	Tuesday	22:15	10:26
03 September 2025	Wednesday	22:15	10:26
04 September 2025	Thursday	22:15	10:25
05 September 2025	Friday	22:14	10:25
06 September 2025	Saturday	22:14	10:24
07 September 2025	Sunday	22:14	10:24
08 September 2025	Monday	22:14	10:23
09 September 2025	Tuesday	22:13	10:23
10 September 2025	Wednesday	22:13	10:22
11 September 2025	Thursday	22:13	10:22
12 September 2025	Friday	22:13	10:21
13 September 2025	Saturday	22:12	10:21
14 September 2025	Sunday	22:12	10:21
15 September 2025	Monday	22:12	10:20
16 September 2025	Tuesday	22:12	10:20
17 September 2025	Wednesday	22:11	10:19
18 September 2025	Thursday	22:11	10:19
19 September 2025	Friday	22:11	10:18
20 September 2025	Saturday	22:11	10:18
21 September 2025	Sunday	22:10	10:17
22 September 2025	Monday	22:10	10:17
23 September 2025	Tuesday	22:10	10:16
24 September 2025	Wednesday	22:10	10:16
25 September 2025	Thursday	22:09	10:15
26 September 2025	Friday	22:09	10:15
27 September 2025	Saturday	22:09	10:15
28 September 2025	Sunday	22:09	10:14
29 September 2025	Monday	22:09	10:14
30 September 2025	Tuesday	22:08	10:13

DATE	DAY	SUNRISE	SUNSET
01 October 2025	Wednesday	22:08	10:13
02 October 2025	Thursday	22:08	10:12
03 October 2025	Friday	22:08	10:12
04 October 2025	Saturday	22:07	10:11
05 October 2025	Sunday	22:07	10:11
06 October 2025	Monday	22:07	10:11
07 October 2025	Tuesday	22:07	10:10
08 October 2025	Wednesday	22:07	10:10
09 October 2025	Thursday	22:07	10:10
10 October 2025	Friday	22:06	10:09
11 October 2025	Saturday	22:06	10:09
12 October 2025	Sunday	22:06	10:08
13 October 2025	Monday	22:06	10:08
14 October 2025	Tuesday	22:06	10:08
15 October 2025	Wednesday	22:06	10:07
16 October 2025	Thursday	22:06	10:07
17 October 2025	Friday	22:05	10:07
18 October 2025	Saturday	22:05	10:06
19 October 2025	Sunday	22:05	10:06
20 October 2025	Monday	22:05	10:06
21 October 2025	Tuesday	22:05	10:06
22 October 2025	Wednesday	22:05	10:05
23 October 2025	Thursday	22:05	10:05
24 October 2025	Friday	22:05	10:05
25 October 2025	Saturday	22:05	10:05
26 October 2025	Sunday	22:05	10:05
27 October 2025	Monday	22:05	10:04
28 October 2025	Tuesday	22:05	10:04
29 October 2025	Wednesday	22:05	10:04
30 October 2025	Thursday	22:05	10:04
31 October 2025	Friday	22:05	10:04

DATE	DAY	SUNRISE	SUNSET
01 November 2025	Saturday	22:05	10:04
02 November 2025	Sunday	22:05	10:03
03 November 2025	Monday	22:05	10:03
04 November 2025	Tuesday	22:05	10:03
05 November 2025	Wednesday	22:05	10:03
06 November 2025	Thursday	22:06	10:03
07 November 2025	Friday	22:06	10:03
08 November 2025	Saturday	22:06	10:03
09 November 2025	Sunday	22:06	10:03
10 November 2025	Monday	22:06	10:03
11 November 2025	Tuesday	22:06	10:03
12 November 2025	Wednesday	22:07	10:03
13 November 2025	Thursday	22:07	10:03
14 November 2025	Friday	22:07	10:03
15 November 2025	Saturday	22:07	10:03
16 November 2025	Sunday	22:07	10:04
17 November 2025	Monday	22:08	10:04
18 November 2025	Tuesday	22:08	10:04
19 November 2025	Wednesday	22:08	10:04
20 November 2025	Thursday	22:09	10:04
21 November 2025	Friday	22:09	10:04
22 November 2025	Saturday	22:09	10:05
23 November 2025	Sunday	22:10	10:05
24 November 2025	Monday	22:10	10:05
25 November 2025	Tuesday	22:10	10:05
26 November 2025	Wednesday	22:11	10:05
27 November 2025	Thursday	22:11	10:06
28 November 2025	Friday	22:11	10:06
29 November 2025	Saturday	22:12	10:06
30 November 2025	Sunday	22:12	10:07

DATE	DAY	SUNRISE	SUNSET
01 December 2025	Monday	22:13	10:07
02 December 2025	Tuesday	22:13	10:07
03 December 2025	Wednesday	22:13	10:08
04 December 2025	Thursday	22:14	10:08
05 December 2025	Friday	22:14	10:08
06 December 2025	Saturday	22:15	10:09
07 December 2025	Sunday	22:15	10:09
08 December 2025	Monday	22:16	10:10
09 December 2025	Tuesday	22:16	10:10
10 December 2025	Wednesday	22:17	10:10
11 December 2025	Thursday	22:17	10:11
12 December 2025	Friday	22:18	10:11
13 December 2025	Saturday	22:18	10:12
14 December 2025	Sunday	22:19	10:12
15 December 2025	Monday	22:19	10:13
16 December 2025	Tuesday	22:20	10:13
17 December 2025	Wednesday	22:20	10:14
18 December 2025	Thursday	22:21	10:14
19 December 2025	Friday	22:21	10:15
20 December 2025	Saturday	22:22	10:15
21 December 2025	Sunday	22:22	10:16
22 December 2025	Monday	22:23	10:16
23 December 2025	Tuesday	22:23	10:17
24 December 2025	Wednesday	22:24	10:17
25 December 2025	Thursday	22:24	10:18
26 December 2025	Friday	22:25	10:18
27 December 2025	Saturday	22:25	10:19
28 December 2025	Sunday	22:25	10:19
29 December 2025	Monday	22:26	10:20
30 December 2025	Tuesday	22:26	10:20
31 December 2025	Wednesday	22:27	10:21

3.2.5 List of Aeronautical Charts Available

3.2.5.1 Aerodrome Chart - ICAO (AC)

Title of series	Name of Chart	Reference	Date
Aerodrome Charts - ICAO (AC)	ALOR SETAR	AD 2-WMKA-2-1	28 NOV 2024
	BINTULU	AD 2-WBGB-2-1	28 NOV 2024
	GONG KEDAK	AD 2-WMGK-2-1	29 OCT 2021
	IPOH	AD 2-WMKI-2-1	28 NOV 2024
	JOHOR BAHRU	AD 2-WMKJ-2-1	20 MAC 2025
	KERTEH	AD 2-WMKE-2-1	26 MAR 2020
	KL INTERNATIONAL	AD 2-WMKK-2-1	31 DEC 2024
	KOTA BHARU	AD 2-WMKC-2-1	28 NOV 2024
	KOTA KINABALU	AD 2-WBKK-2-1	28 NOV 2024
	KUALA TERENGGANU	AD 2-WMKN-2-1	25 MAR 2025
	KUANTAN	AD 2-WMKD-2-1	28 NOV 2024
	KUCHING	AD 2-WBGG-2-1	28 NOV 2024
	KUDAT	AD 2-WBKT-2-1	05 NOV 2020
	LAHAD DATU	AD 2-WBKD-2-1	28 NOV 2024
	LABUAN	AD 2-WBKL-2-1	28 NOV 2024
	LANGKAWI	AD 2-WMKL-2-1	28 NOV 2024
	LAWAS	AD 2-WBGW-2-1	08 OCT 2024
	LIMBANG	AD 2-WBGJ-2-1	31 DEC 2024
	MALACCA	AD 2-WMKM-2-1	20 MAC 2025
	MARUDI	AD 2-WBGM-2-1	20 MAC 2025
	MIRI	AD 2-WBGR-2-1	28 NOV 2024
	MUKAH	AD 2-WBGK-2-1	28 NOV 2024
	PENANG	AD 2-WMKP-2-1	28 NOV 2024
	PULAU REDANG	AD 2-WMPR-2-1	25 MAR 2021
	PULAU TIOMAN	AD 2-WMBT-2-1	15 SEP 2022
	SANDAKAN	AD 2-WBKS-2-1	20 MAC 2025
	SIBU	AD 2-WBGS-2-1	28 NOV 2024
	SUBANG	AD 2-WMSA-2-1	28 NOV 2024
	TAWAU	AD 2-WBKW-2-1	28 NOV 2024
	MULU	AD 2-WBMU-2-1	28 NOV 2024
	PULAU PANGKOR	AD 2-WMPA-2-1	08 SEP 2022
	LONG AKAH	AD 2-WBGA-2-1	26 MAR 2020
	LONG LELLANG	AD 2-WBGF-2-1	26 MAR 2020
	LONG SERIDAN	AD 2-WBGI-2-1	26 MAR 2020
	LONG BANGA	AD 2-WBGL-2-1	26 MAR 2020
	BAKELALAN	AD 2-WBGQ-2-1	26 MAR 2020
	BARIO	AD 2-WBGZ-2-1	26 MAR 2020
	TANJUNG MANIS	AD 2-WBTM-2-1	25 MAR 2025

3.2.5.2 Aerodrome Obstacle Charts - ICAO - TYPE A (AOC)

Title of series	Name of Chart	Reference	Date
Aerodrome Obstacle Charts - ICAO - TYPE A (AOC)	BINTULU	AD 2-WBGB-3-1	26 MAR 2020
	JOHOR BAHRU	AD 2-WMKJ-3-1	28 MAR 2019
	KL INTERNATIONAL (RWY 14L/32R)	AD 2-WMKK-3-1	28 MAR 2019
	KL INTERNATIONAL (RWY 14R/32L)	AD 2-WMKK-3-3	28 MAR 2019
	KL INTERNATIONAL (RWY 15/33)	AD 2-WMKK-3-5	07 NOV 2019
	KOTA BHARU	AD 2-WMKC-3-1	13 AUG 2020
	KOTA KINABALU	AD 2-WBKK-3-1	03 OCT 2024
	KUCHING	AD 2-WBGG-3-1	20 MAY 2021
	LANGKAWI	AD 2-WMKL-3-1	07 NOV 2019
	LIMBANG	AD 2-WBGJ-3-1	16 AUG 2018
	LABUAN	AD 2-WBKL-3-1	16 AUG 2018
	MALACCA	AD 2-WMKM-3-1	28 MAR 2019
	MIRI	AD 2-WBGR-3-1	08 SEP 2022
	PENANG	AD 2-WMKP-3-1	25 MAR 2021
	SUBANG	AD 2-WMSA-3-1	28 MAR 2019
	ALOR SETAR	AD 2-WMKA-3-1	31 DEC 2024
	TAWAU	AD 2-WBKW-3-1	07 NOV 2019
	SIBU	AD 2-WBGS-3-1	28 MAR 2019
	KUALA TERENGGANU	AD 2-WMKN-3-1	16 AUG 2018
	KERTEH	AD 2-WMKE-3-1	16 AUG 2018
	MULU	AD 2-WBMU-3-1	13 AUG 2020

3.2.5.3 Precision Approach Terrain Charts - ICAO

Title of series	Name of Chart	Reference	Date
Precision Approach Terrain Chart - ICAO	RWY 14L	AD 2-WMKK-5-1	23 MAY 2019
	RWY 14R	AD 2-WMKK-5-3	23 MAY 2019
	RWY 32L	AD 2-WMKK-5-5	23 MAY 2019
	RWY 32R	AD 2-WMKK-5-7	23 MAY 2019

3.2.5.4 Standard Departure Chart - Instrument - ICAO (SID)

Title of series	Name of Chart	Reference	Date
Standard Departure Chart - Instrument - ICAO -SID	**ALOR SETAR**		
	RWY 22 TAMOS 1D RIGTO 1D DUBAX 1D SAGEL 1D GUTEB 1D OMBUL 1D AKMIS 1D	AD 2-WMKA-6-1	16 JUL 2024
	RWY 22 RNAV (GNSS) TAMOS 1B RIGTO 1B DUBAX 1B SAGEL 1B GUTEB 1B OMBUL 1B AKMIS 1B	AD 2-WMKA-6-3	16 JUL 2024
	BINTULU		
	RWY 17 RNAV EKETO 1C DUNAS IC NOKER 1C BENLI 1C BASUV 1C ADGAB 1C	AD 2-WBGB-6-1	01 DEC 2022
	RWY 17 ADGAB 3F EKETO 3F BASUV 3F DUNAS 3F BENLI 3F NOKER 3F	AD 2-WBGB-6-5	01 DEC 2022
	RWY 35 RNAV EKETO 1D DUNAS 1D NOKER 1D BENLI 1D BASUV 1D	AD 2-WBGB-6-7	01 DEC 2022
	RWY 35 ADGAB 3E EKETO 3E BASUV 3E NU-NAS 3E BENLI 3E NAKER 3E	AD 2-WBGB-6-11	01 DEC 2022

Title of series	Name of Chart	Reference	Date
	LIMBANG		
	RWY 04	AD 2-WBGJ-6-1	31 DEC 2024
	RWY 22	AD 2-WBGJ-6-3	31 DEC 2024
	MALACCA		
	RADAR DEPARTURE	AD 2-WMKM-6-1	29 OCT 2021
	RWY 03 RUSBU 2Q OGAKO 2Q DOSIK 2Q SAPAT 2Q IRMIB 2Q	AD 2-WMKM-6-3	29 OCT 2021
	RWY 03 RNAV (GNSS) RUSBU 1Q DOSIK 1Q IRMIB 1Q OGAKO 1Q SAPAT 1Q	AD 2-WMKM-6-5	29 OCT 2021
	RWY 21 RUSBU 2R OGAKO 2R DOSIK 2R SAPAT 2R IRMIB 2R	AD 2-WMKM-6-9	29 OCT 2021
	RWY 21 RNAV (GNSS) RUSBU 1R DOSIK 1R IRMIB 1R OGAKO 1R SAPAT 1R	AD 2-WMKM-6-11	29 OCT 2021
	MIRI		
	MIRI RADAR, RADAR DEPARTURE	AD 2-WBGR-6-1	02 DEC 2021
	RWY 02 ASAKI 1C AROVU 1C BEVDO 1C BIPAS 1C DOXES 1C DUGEV 1C ESLAB 1C EXUGO 1C GODOM 1C	AD 2-WBGR-6-3	08 SEP 2022
	RWY 02 RNAV (GNSS) ASAKI 1A AROVU 1A BEVDO 1A BIPAS 1A DOXES 1A DUGEV 1A ESLAB 1A EXUGO 1A GODOM 1A	AD 2-WBGR-6-7	08 SEP 2022
	RWY 20 ASAKI 1D AROVU 1D BEVDO 1D BIPAS 1D DOXES 1D DUGEV 1D ESLAB 1D EXUGO 1D GODOM 1D	AD 2-WBGR-6-11	08 SEP 2022
	RWY 20 RNAV (GNSS) ASAKI 1B AROVU 1B BEVDO 1B BIPAS 1B DOXES 1B DUGEV 1B ESLAB 1B EXUGO 1B GODOM 1B	AD 2-WBGR-6-15	08 SEP 2022
	MUKAH		
	RWY 15 RNAV (GNSS) TOSOD 1J ADGAB 1J BASUV 1J NOLUS 1J PILAX 1J	AD 2-WBGK-6-1	08 DEC 2022
	RWY 33 RNAV (GNSS) TOSOD 1K ADGAB 1K BASUV 1K NOLUS 1K PILAX 1K	AD 2-WBGK-6-5	08 DEC 2022
	RWY 15 TOSOD 1L ADGAB 1L BASUV 1L NOLUS 1L PILAX 1L	AD 2-WBGK-6-9	08 DEC 2022
	RWY 33 TOSOD 1M ADGAB 1M BASUV 1M NOLUS 1M PILAX 1M	AD 2-WBGK-6-11	08 DEC 2022
	PENANG		
	RWY 04/22 PENANG RADAR ONE	AD 2-WMKP-6-1	29 OCT 2021
	RWY 04 RNAV (GNSS) OMBOK 1A GOGOM 1A UGAMO 1A LUNTU 1A BETNU 1A BOGUK 1A KABOT 1A UDIKO 1A MADUM 1A	AD 2-WMKP-6-3	10 SEP 2021
	RWY 04 OMBOK 1C BETNU 1C KABOT 1C MADUM 1C LUNTU 1C BOGUK 1C UDIKO 1C	AD 2-WMKP-6-7	10 SEP 2021
	RWY 22 RNAV (GNSS) OMBOK 1B GOGOM 1B UGAMO 1B LUNTU 1B BETNU 1B BOGUK 1B KABOT 1B UDIKO 1B MADUM 1B	AD 2-WMKP-6-9	10 SEP 2021
	RWY 22 OMBOK 1D BETNU 1D KABOT 1D MADUM 1D LUNTU 1D BOGUK 1D UDIKO 1D	AD 2-WMKP-6-13	10 SEP 2021
	SUBANG		
	RADAR DEPARTURES	AD 2-WMSA-6-1	08 OCT 2024
	RWY 15 RNAV (GNSS) BIKDU 3L PIBOS 3L RUSBU 3L MITOS 3L SALAX 3L PUGER 3L IBUKU 3L ATIMU 3L	AD 2-WMSA-6-3	08 OCT 2024
	RWY 15 PULIP 2L PIBOS 2L BATAR 2L MITOS 2L SALAX 2L PUGER 2L SUKAT 2L	AD 2-WMSA-6-7	08 OCT 2024
	RWY 33 PULIP 2N PIBOS 2N BATAR 2N MITOS 2N SALAX 2N PUGER 2N SUKAT 2N	AD 2-WMSA-6-9	08 OCT 2024

Title of series	Name of Chart	Reference	Date
	SIBU		
	RWY 13/31 SIBU RADAR 1 DEP	AD 2-WBGS-6-1	08 DEC 2022
	RWY 13 TULMA 1G	AD 2-WBGS-6-3	08 DEC 2022
	RWY 31 KALAX 1H	AD 2-WBGS-6-5	08 DEC 2022
	SANDAKAN		
	RWY 26 KUDAT 1A	AD 2-WBKS-6-1	30 JAN 2024
	RWY 08 KUDAT 1D BELDA 1D AKMAR 1D ANKOD 1D LAHAD 1D	AD 2-WBKS-6-3	08 DEC 2022
	RWY 08 RNAV KUDAT 1B BELDA 1B AKMAR 1B ANKOB 1B LAHAD 1B	AD 2-WBKS-6-5	08 SEP 2022
	TAWAU		
	RWY 06/24 TAWAU RADAR 1	AD 2-WBKW-6-1	29 OCT 2021
	RWY 24 BAXAL 1A AGIGI 1A AKDEM 1A TAWAU 1A	AD 2-WBKW-6-3	01 DEC 2022
	RWY 06 TAWAU 1B BAXAL 1B BILUK 1B	AD 2-WBKW-6-5	29 OCT 2021
	KUALA TERENGGANU		
	RWY 04 RNAV (GNSS) PALNO A	AD 2-WMKN-6-1	25 MAR 2025
	RWY 22 RNAV (GNSS) PALNO B	AD 2-WMKN-6-3	25 MAR 2025
	RWY 04 PALNO C	AD 2-WMKN-6-5	25 MAR 2025
	RWY 22 PALNO D	AD 2-WMKN-6-7	25 MAR 2025
	LABUAN		
	RWY 14 (RNAV 1) LAVED 1R	AD 2-WBKL-6-1	08 DEC 2022
	RWY 14 LAVED 1S	AD 2-WBKL-6-3	08 DEC 2022
	RWY 32 (RNAV 1) LAVED 1U	AD 2-WBKL-6-5	08 DEC 2022
	RWY 32 LAVED 1W	AD 2-WBKL-6-7	08 DEC 2022
	RWY 14/32 LABUAN RADAR 1	AD 2-WBKL-6-9	08 DEC 2022
	KERTEH		
	RWY 34 VOR/DME APATU 1B DEP	AD 2-WMKE-6-1	28 FEB 2023
	RWY 34 VOR/DME APATU 1C DEP	AD 2-WMKE-6-3	28 FEB 2023
	RWY 16 VOR/DME APATU 1D DEP	AD 2-WMKE-6-5	28 FEB 2023

3.2.5.5 Standard Arrival Chart - Instrument - ICAO (STAR)

Title of series	Name of Chart	Reference	Date
Standard Arrival Chart - Instrument - ICAO (STAR)	**ALOR SETAR**		
	RWY 04 VOR/DME ARC JERAI 1G TAMOS 1G MULOT 1G KARMI 1G	AD 2-WMKA-7-1	16 JUL 2024
	RWY 04 RNAV (GNSS) PAYAR 1E JERAI 1E TAMOS 1E KARMI 1E MULOT 1E	AD 2-WMKA-7-3	16 JUL 2024
	BINTULU		
	RWY 17 (RNP 1) ADGAB 3A	AD 2-WBGB-7-1	03 MAR 2022
	RWY 35 (RNP 1) ADGAB 3B EKETO 3B BASUV 3B DUNAS 3B BENLI 3B NOKER 3B	AD 2-WBGB-7-5	28 FEB 2023
	JOHOR BAHRU		
	RWY 16 RNAV EMTUV 1E OMKOM 1E PIMOK 1E ADLOV 1E	AD 2-WMKJ-7-5	08 DEC 2022
	RWY 16 ARRIVAL (11 DME ARC) ADLOV 1G OMKOM 1G PIMOK 1G EMTUV 1G (TABULAR 1)	AD 2-WMKJ-7-5	08 DEC 2022

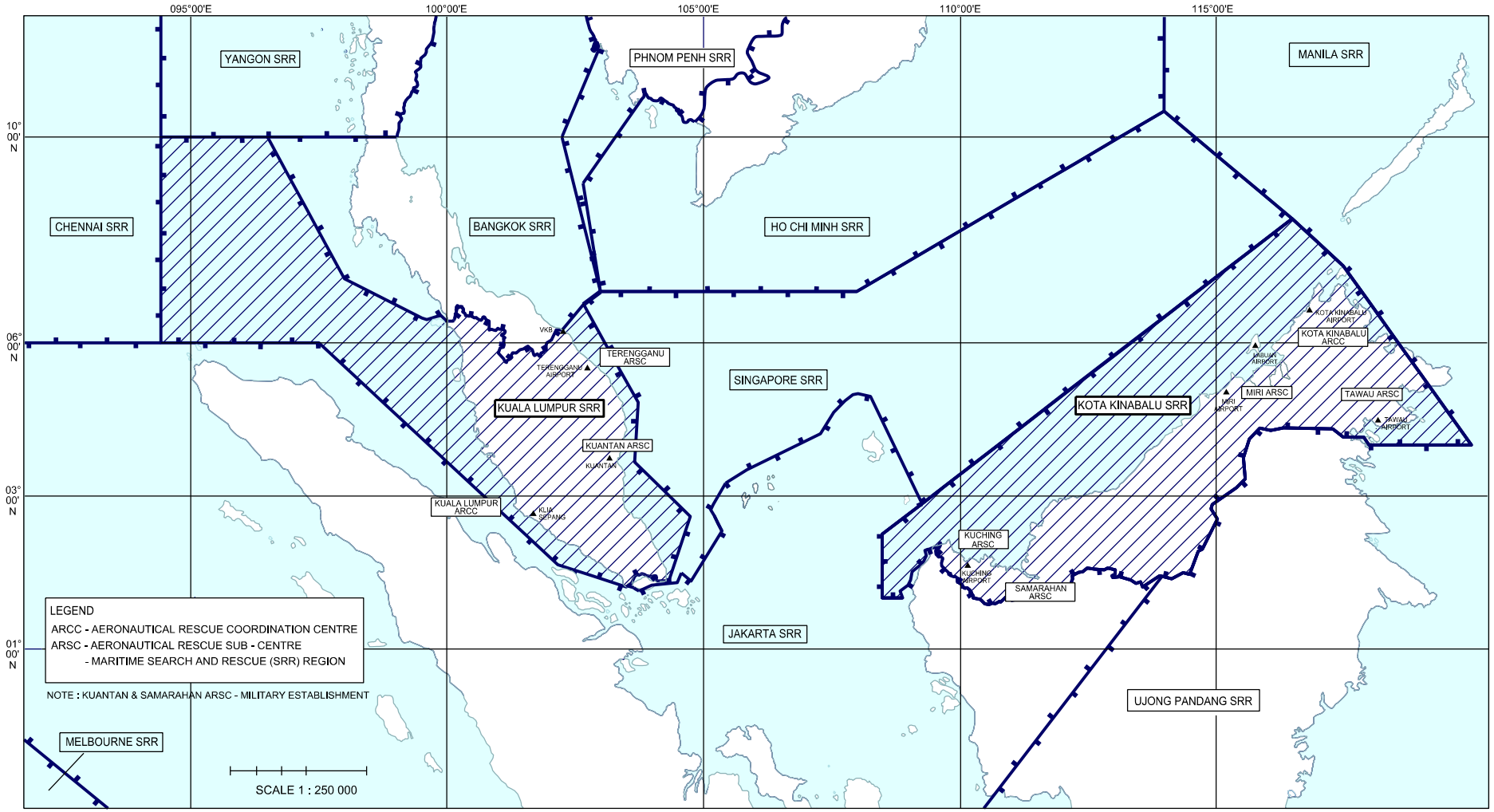
Title of series	Name of Chart	Reference	Date
	KL INTERNATIONAL		
	RWY32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS EAST PUGER 1G KAKAK 1G SAROX 1G NIREN 1G PULIP 1G GUPTA 1G SALAX 1G	AD 2-WMKK-7-1	10 SEP 2021
	RWY32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS EAST PUGER 1H KAKAK 1H SAROX 1H NIREN 1H PULIP 1H GUPTA 1H SALAX 1H	AD 2-WMKK-7-7	10 SEP 2021
	RWY32R, 32L, 33 RNAV (GNSS) PMS SOUTH PUGER 1J KAKAK 1J SAROX 1J NIREN 1J PULIP 1J GUPTA 1J SALAX 1J	AD 2-WMKK-7-13	10 SEP 2021
	RWY32R, 32L, 33 RNP 1 (GNSS) PUGER 3J KAKAK 3J SAROX 3J NIREN 3J PULIP 3J GUPTA 3J SALAX 3J	AD 2-WMKK-7-19	23 MAY 2023
	RWY14L, 14R, 15 RNAV (GNSS) PMS NORTH PUGER 1K KAKAK 1K SAROX 1K NIREN 1K PULIP 1K GUPTA 1K SALAX 1K	AD 2-WMKK-7-23	10 SEP 2021
	RWY 14L, 14R, 15 RNAV (GNSS) PUGER 2K KAKAK 2K SAROX 2K NIREN 2K PULIP 2K GUPTA 2K SALAX 2K	AD 2-WMKK-7-27	08 SEP 2022
	RWY 14L, 14R, 15 RNP 1 (GNSS) PUGER 3K KAKAK 3K SAROX 3K NIREN 3K PULIP 3K GUPTA 3K SALAX 3K	AD 2-WMKK-7-31	09 MAR 2023
	RWY 32R, 32L, 33 RNAV (GNSS) PUGER 2J KAKAK 2J SAROX 2J NIREN 2J PULIP 2J GUPTA 2J SALAX 2J	AD 2-WMKK-7-35	08 SEP 2022
	RWY 14L INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / NORTH	AD 2-WMKK-7-39	30 JAN 2024
	RWY 14R RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / NORTH	AD 2-WMKK-7-41	30 JAN 2024
	RWY 15 INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / NORTH	AD 2-WMKK-7-43	30 JAN 2024
	RWY 32L INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / SOUTH	AD 2-WMKK-7-45	30 JAN 2024
	RWY 32R INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / SOUTH	AD 2-WMKK-7-47	30 JAN 2024
	RWY 33 INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / SOUTH	AD 2-WMKK-7-49	30 JAN 2024

Title of series	Name of Chart	Reference	Date
	KOTA KINABALU		
	RWY 20 ARRIVALS (WEST) (RNAV 1) ADLEX 1A	AD 2-WBKK-7-1	08 DEC 2022
	RWY 20 ARRIVALS (EAST) (RNAV 1) ELADO 2A	AD 2-WBKK-7-5	07 NOV 2023
	RWY 02 ARRIVALS (WEST) (RNAV 1) ELADO 2C	AD 2-WBKK-7-9	08 DEC 2022
	RWY 02 ARRIVALS (EAST) (RNAV 1) ENBAX 1B	AD 2-WBKK-7-13	31 DEC 2024
	RWY 02 (VOR/DME) ADLEX 1D	AD 2-WBKK-7-17	08 DEC 2022
	RWY 02 (VOR/DME) ENBAX 1D	AD 2-WBKK-7-19	08 DEC 2022
	RWY 20 (VOR/DME) ADLEX 1E	AD 2-WBKK-7-21	08 DEC 2022
	RWY 20 (VOR/DME) ENBAX 1E	AD 2-WBKK-7-23	08 DEC 2022
	KUCHING		
	RWY 07 (RNAV) TEMES 1F ESBAL 1G MOXUN 1F PAPSA 1E	AD 2-WBGG-7-1	08 OCT 2024
	RWY 07 (RNAV) KIKAK 1F LUTMO 1E OROMA 1F	AD 2-WBGG-7-3	08 OCT 2024
	RWY 07 (RNAV) KIKAK 1G LUTMO 1F OROMA 1E	AD 2-WBGG-7-5	08 OCT 2024
	RWY 07 TEMES 1G ARR MOXUN 1G ARR ESBAL 1H ARR PAPSA 1F ARR	AD 2-WBGG-7-7	08 OCT 2024
	RWY 07 KIKAK 1H LUTMO 1G OROMA 1G	AD 2-WBGG-7-9	08 OCT 2024
	RWY 25 (RNAV) TEMES 1A ESBAL 1A ESBAL 1B MOXUN 1A	AD 2-WBGG-7-11	08 OCT 2024
	RWY 25 (RNAV) TEMES 1B ESBAL 1C MOXUN 1B PAPSA 1A	AD 2-WBGG-7-13	08 OCT 2024
	RWY 25 (RNAV) KIKAK 1A LUTMO 1A OROMA 1A	AD 2-WBGG-7-15	08 OCT 2024
	RWY 25 TEMES 1C ESBAL 1D MOXUN 1C PAPSA 1B	AD 2-WBGG-7-17	08 OCT 2024
	RWY 25 (VOR/DME) KIKAK 1B LUTMO 1B OROMA 1B	AD 2-WBGG-7-19	08 OCT 2024
	KUANTAN		
	RWY 18 (RNAV) ADNUT D PEKAN D GUNBO D KERTEH D	AD 2-WMKD-7-1	23 APR 2024
	RWY 18 ADNUT C PEKAN C GUNBO C KERTEH C	AD 2-WMKD-7-3	28 MAR 2019
	RWY 36 (RNAV) ADNUT B PEKAN B GUNBO B KERTEH B	AD 2-WMKD-7-5	28 MAR 2019
	RWY 36 ADNUT G PEKAN G GUNBO G KERTEH G	AD 2-WMKD-7-7	20 MAY 2021
	LANGKAWI		
	RWY 03 ARRIVAL (15 DME ARC) SAGEL 1G KAPKO 1G VPL 1G AKRAB 1G	AD 2-WMKL-7-1	29 OCT 2021
	RWY 03 RNAV (GNSS) DAKOV 1E AKRAB 1E KAPKO 1E DALAN 1E VPL 1E	AD 2-WMKL-7-3	29 OCT 2021
	KUALA TERENGGANU		
	RWY 04 RNAV 1 (GNSS) PALNO E	AD 2-WMKN-7-1	25 MAR 2025
	RWY 22 RNAV 1 (GNSS) PALNO F	AD 2-WMKN-7-3	25 MAR 2025
	RWY 04 PALNO G	AD 2-WMKN-7-5	25 MAR 2025
	RWY 22 PALNO H	AD 2-WMKN-7-7	25 MAR 2025
	LIMBANG		
	RWY 04 (RNAV)	AD 2-WBGJ-7-1	31 DEC 2024
	RWY 04 VOR/DME	AD 2-WBGJ-7-3	31 DEC 2024
	RWY 22 (RNAV)	AD 2-WBGJ-7-5	31 DEC 2024
	RWY 22 VOR/DME	AD 2-WBGJ-7-7	31 DEC 2024

Title of series	Name of Chart	Reference	Date
	RWY 16 ILS W OR LOC W	AD 2-WMKJ-8-7	08 DEC 2022
	RWY 16 VOR Z	AD 2-WMKJ-8-9	08 DEC 2022
	RWY 16 VOR Y	AD 2-WMKJ-8-11	08 DEC 2022
	RWY 16 VOR X	AD 2-WMKJ-8-13	08 DEC 2022
	RWY 16 VOR W	AD 2-WMKJ-8-15	08 DEC 2022
	RWY 16 RNP Y	AD 2-WMKJ-8-17	08 DEC 2022
	RWY 16 RNP X	AD 2-WMKJ-8-21	08 DEC 2022
	RWY 16 RNP Z (AR)	AD 2-WMKJ-8-25	08 DEC 2022
	RWY 34 RNP Z (AR)	AD 2-WMKJ-8-29	08 DEC 2022
	KERTEH		
	RWY 34 ILS Z OR LOC Z	AD 2-WMKE-8-1	31 DEC 2024
	RWY 34 ILS Y OR LOC Y	AD 2-WMKE-8-3	28 FEB 2023
	RWY 34 VOR Z	AD 2-WMKE-8-5	28 FEB 2023
	RWY 34 VOR Y	AD 2-WMKE-8-7	28 FEB 2023
	RWY 34 ILS X OR LOC X (CAT H)	AD 2-WMKE-8-9	16 JUL 2024
	RWY 34 VOR X (CAT H)	AD 2-WMKE-8-11	28 FEB 2023
	RWY 16 VOR Z	AD 2-WMKE-8-13	28 FEB 2023
	RWY 16 VOR Y	AD 2-WMKE-8-15	28 FEB 2023
	RWY 16 VOR X (CAT H)	AD 2-WMKE-8-17	31 DEC 2024
	KL INTERNATIONAL		
	RWY 14L ILS OR LOC	AD 2-WMKK-8-1	10 SEP 2021
	RWY 14L RNP Y	AD 2-WMKK-8-3	16 JUL 2024
	RWY 14L RNP X	AD 2-WMKK-8-5	30 JAN 2024
	RWY 14L VOR/DME	AD 2-WMKK-8-7	01 DEC 2022
	RWY 14R ILS OR LOC	AD 2-WMKK-8-9	16 JUL 2024
	RWY 14R RNP Y	AD 2-WMKK-8-11	08 SEP 2022
	RWY 14R RNP X	AD 2-WMKK-8-13	9 MAR 2023
	RWY 15 ILS OR LOC	AD 2-WMKK-8-15	10 SEP 2021
	RWY 15 RNP Y	AD 2-WMKK-8-17	08 SEP 2022
	RWY 15 RNP X	AD 2-WMKK-8-19	30 JAN 2024
	RWY 15 VOR/DME	AD 2-WMKK-8-21	01 DEC 2022
	RWY 32L ILS OR LOC	AD 2-WMKK-8-23	10 SEP 2021
	RWY 32L RNP Y	AD W-WMKK-8-25	08 SEP 2022
	RWY 32L RNP X	AD 2-WMKK-8-27	9 MAR 2023
	RWY 32R ILS OR LOC	AD 2-WMKK-8-29	10 SEP 2021
	RWY 32R RNP Z (AR)	AD 2-WMKK-8-31	23 APR 2024
	RWY 32R RNP Y	AD 2-WMKK-8-35	15 SEP 2022
	RWY 32R RNP X	AD 2-WMKK-8-37	9 MAR 2023
	RWY 32R VOR/DME	AD 2-WMKK-8-39	01 DEC 2022
	RWY 33 ILS OR LOC	AD 2-WMKK-8-41	10 SEP 2021
	RWY 33 RNP Z (AR)	AD 2-WMKK-8-43	23 APR 2024
	RWY 33 RNP Y	AD 2-WMKK-8-47	08 SEP 2022
	RWY 33 RNP X	AD 2-WMKK-8-49	9 MAR 2023
	RWY 33 VOR/DME	AD 2-WMKK-8-51	01 DEC 2022
	KOTA BHARU		
	RWY 10 ILS/DME Z OR LOC/DME Z	AD 2-WMKC-8-1	31 DEC 2024
	RWY 10 VOR Z (10 DME ARC)	AD 2-WMKC-8-3	31 DEC 2024
	RWY 28 VOR Z (10 DME ARC)	AD 2-WMKC-8-5	31 DEC 2024
	RWY 10 RNP Z (AR)	AD 2-WMKC-8-7	31 DEC 2024
	RWY 28 RNP Z (AR)	AD 2-WMKC-8-11	31 DEC 2024
	RWY 10 RNP Y	AD 2-WMKC-8-15	31 DEC 2024

Title of series	Name of Chart	Reference	Date
	RWY 28 RNP Y	AD 2-WMKC-8-17	31 DEC 2024
	KOTA KINABALU		
	RWY 02 ILS Y(FROM OVERHEAD VOR/ DME VJN)	AD 2-WBKK-8-1	08 DEC 2022
	RWY 02 ILS Z OR LOC Z	AD 2-WBKK-8-3	08 DEC 2022
	RWY 02 VOR Z	AD 2-WBKK-8-5	26 MAY 2022
	RWY 02 VOR Y	AD 2-WBKK-8-7	15 SEP 2022
	RWY 20 ILS Z OR LOC Z	AD 2-WBKK-8-9	08 DEC 2022
	RWY 20 ILS Y OR LOC Y	AD 2-WBKK-8-11	08 DEC 2022
	RWY 20 VOR Z	AD 2-WBKK-8-13	15 SEP 2022
	RWY 20 VOR Y	AD 2-WBKK-8-15	08 DEC 2022
	RWY 02 RNP Y	AD 2-WBKK-8-17	01 DEC 2022
	RWY 20 RNP Y	AD 2-WBKK-8-19	01 DEC 2022
	RWY 02 RNP Z (AR)	AD 2-WBKK-8-21	01 DEC 2022
	RWY 20 RNP Z (AR)	AD 2-WBKK-8-27	01 DEC 2022
	KUALA TERENGGANU		
	RWY 04 ILS Z OR LOC Z	AD 2-WMKN-8-1	25 MAR 2025
	RWY 04 ILS Y OR LOC Y	AD 2-WMKN-8-3	25 MAR 2025
	RWY 04 VOR Z	AD 2-WMKN-8-5	25 MAR 2025
	RWY 04 VOR Y	AD 2-WMKN-8-7	25 MAR 2025
	RWY 22 VOR Z	AD 2-WMKN-8-9	25 MAR 2025
	RWY 22 VOR Y	AD 2-WMKN-8-11	25 MAR 2025
	RWY 04 RNAV (RNP) Z	AD 2-WMKN-8-13	25 MAR 2025
	RWY 22 RNAV (RNP) Z	AD 2-WMKN-8-17	25 MAR 2025
	RWY 04 RNAV (GNSS) Y	AD 2-WMKN-8-21	25 MAR 2025
	RWY 22 RNAV (GNSS) Y	AD 2-WMKN-8-23	25 MAR 2025
	KUANTAN		
	RWY 18 VOR Z (CAT C/D)	AD 2-WMKD-8-1	28 MAR 2019
	RWY 18 VOR Y (15 DME ARC ARR)	AD 2-WMKD-8-3	16 JUL 2024
	RWY 36 ILS Z (RNAV STAR ARR)	AD 2-WMKD-8-5	28 MAR 2019
	RWY 36 ILS Y (15 DME ARC ARR)	AD 2-WMKD-8-7	26 MAR 2020
	RWY 36 ILS X (FROM OVERHEAD VKN VOR)	AD 2-WMKD-8-9	26 MAR 2020
	RWY 36 VOR	AD 2-WMKD-8-11	28 MAR 2019
	RWY 18 TACAN 1 (HI/LO)	AD 2-WMKD-8-13	03 MAR 2022
	RWY 36 TACAN 2 (HI/LO)	AD 2-WMKD-8-15	26 MAY 2022
	RWY 36 TACAN 3 (HI/LO)	AD 2-WMKD-8-17	26 MAY 2022
	RWY 18 TACAN 4 (HI/LO)	AD 2-WMKD-8-19	28 MAR 2019
	KUCHING		
	RWY 07 VOR Z (FROM STAR)	AD 2-WBGG-8-1	08 OCT 2024
	RWY 07 VOR Y (FROM OVERHEAD VKG)	AD 2-WBGG-8-3	15 AUG 2023
	RWY 25 ILS Z/LOC Z (FROM STAR)	AD 2-WBGG-8-5	15 AUG 2023
	RWY 25 ILS Y/LOC Y (FROM OVERHEAD VKG)	AD 2-WBGG-8-7	15 AUG 2023
	RWY 25 VOR Z (FROM EGOMO)	AD 2-WBGG-8-9	15 AUG 2023
	RWY 07 RNP Z (AR)	AD 2-WBGG-8-11	01 DEC 2022
	RWY 25 RNP Z (AR)	AD 2-WBGG-8-17	08 OCT 2024
	LAHAD DATU		
	RWY 29 LOCATOR	AD 2-WBKD-8-1	03 MAR 2022
	LABUAN		
	RWY 14 ILS Z OR LOC Z (15 DME ARC)	AD 2-WBKL-8-1	08 DEC 2022
	RWY 14 VOR Z (15 DME ARC)	AD 2-WBKL-8-3	08 DEC 2022
	RWY 14 RNP Y	AD 2-WBKL-8-5	08 DEC 2022

KUALA LUMPUR, KOTA KINABALU AND ADJACENT SEARCH AND RESCUE REGIONS



CHANGES : REALIGNMENT OF THE SINGAPORE AND JAKARTA FIRS.

INTENTIONALLY BLANK

ENR 2. AIR TRAFFIC SERVICES AIRSPACE

ENR 2.1 FIR, UIR, TMA

1	Unit Providing Service 2	Call Sign Languages HR 3	FREQ Purpose 4	Remarks 5
KUALA LUMPUR **FLIGHT INFORMATION REGION** 064500N 1024000E - 0450N 10344E - 0340N 10340E - 0236N 10445E - 0120N 10420E - along 012000N 1041224E to the Peninsular Malaysia/Singapore INTL BDRY - then along the Peninsular Malaysia/Singapore INTL BDRY to 011700N 1033600E - 011300N 1033000E - 013900N 1021000E - 060000N 0973000E - 060000N 0942500E - 100000N 0942500E - 100000N 0963000E - 071500N 0980000E - 0630N 09930E - then along the border of Peninsular Malaysia/Thailand INTL BDRY 061500N 1021500E - 064500N 1024000E. UNL GND/SEA	KUALA LUMPUR ACC	Lumpur Radar English H24	132.800 MHZ (PRI) 132.550 MHZ (SRY) 132.750 MHZ (PRI) 123.750 MHZ (SRY) 132.600 MHZ (PRI) 133.650 MHZ (SRY) 133.400 MHZ (PRI) 125.325 MHZ (PRI) 129.750 MHZ (SRY) 133.700 MHZ (PRI) 133.550 MHZ (SRY) 134.300 MHZ (PRI) 128.350 MHZ (SRY) 120.575 MHZ (PRI) 128.125 MHZ (PRI) 132.250 MHZ (PRI) 134.250 MHZ (PRI) 132.125 MHZ (PRI) 124.550 MHZ (SRY) 120.750 MHZ (PRI) 125.775 MHZ (PRI) 124.525 MHZ (SRY)	Routes: G466, R208, G582, G584, M751, M765, Y331, G334, W546 W457 North of VKL, R325 North of ANSOM, N571, B466 West of VBA, G468, A464 North of VKL, B579 P628, N571 West of GUNIP, B466 West of GUNIP
		Lumpur Information North English	134.650 MHZ	
		Lumpur Information South English	126.100 MHZ	
		Lumpur Radio English	3470 KHZ 5670 KHZ 6556 KHZ 11285 KHZ 13318 KHZ 17907 KHZ	AMS SEA 1-1B SELCAL available
			5655 KHZ 8942 KHZ 11396 KHZ	AMS SEA 2 SELCAL available

1	Unit Providing Service 2	Call Sign Languages HR 3	FREQ Purpose 4	Remarks 5
KUALA LUMPUR TERMINAL AREA Area bounded by 013900N 1021000E, 020948N 1023830E (GUPTA), 022927N 1025643E, 024802N 1024019E (SAROX), 030055N 1022853E (ISTAN), 030944N 1022102E (KIMAT), 034024N 1015348E (PULIP), 035620N 1013940E, 034814N 1011903E (DAKUS), 032404N 1001743E thence FIR boundaries to 013900N 1021000E	Lumpur Approach	Lumpur Radar English H24	121.250 MHZ (PRI) 124.200 MHZ (PRI) 118.650 MHZ (PRI) 125.850 MHZ (PRI) 119.450 MHZ (PRI) 135.750 MHZ (PRI) 120.350 MHZ (PRI) 124.650 MHZ (PRI) 125.100 MHZ (PRI) 123.725 MHZ (SRY)	
		Lumpur Departure English H24	135.250 MHZ (PRI) 125.050 MHZ (SRY) 135.025 MHZ (SRY)	
KL TMA 1 Within lateral limits of CTR Class of airspace: 3500 FT ALT - FL 245				
KL TMA 2 022847N 1014143E thence RDL 190 VKL to 021348N 1013906E thence an arc of 30NM radius centred on VKL DVOR/DME (024328N 1014417E) clockwise to 021752N 1012829E thence TMA boundaries to 030918N 1003331E thence RDL 290 VKL to 025041N 1012432E thence CTR boundaries to 022847N 1014143E Class of airspace: 2000 FT ALT - FL 245				
KL TMA 3 023854N 1015817E RDL 108 VKL to 023410N 1021246E thence an arc of 30NM radius centred on VKL DVOR/DME (024328N 1014417E) clockwise to 021348N 1013906E RDL 190 VKL to 022847N 1014143E thence CTR boundaries to 022847N 1014143E Class of airspace: 2500 FT ALT - FL 245				
KL TMA 4 025041N 1012423E thence RDL 290 VKL to 030918N 1003331E thence TMA boundaries to 035320N 1013202E thence RDL 350 VKL to 032218N 1013728E thence CTR boundaries to 025041N 1012423E Class of airspace: 2500 FT ALT - FL 245				

1	Unit Providing Service 2	Call Sign Languages HR 3	FREQ Purpose 4	Remarks 5
KL TMA 5 031643N 1015309E thence R 015 VKL to 033530N 1015810E thence TMA boundaries to 024629N 1024141E thence R 087 VKL to 024503N 1021412E thence an arc of 30NM radius centred on VKL DVOR/DME (024328N 1014417E) clockwise to 023410N 1021246E thence R 108 VKL to 023854N 1015817E thence CTR boundaries to 031643N 1015309E Class of airspace: 3500 FT ALT - FL 245				
KL TMA 6 032218N 1013728E thence RDL 350 VKL to 035320N 1013202E thence TMA boundaries to 033530N 1015810E thence R 015 VKL to 031643N 1015309E thence CTR boundaries to 032218N 1013728E Class of airspace: 5500 FT ALT - FL 245				
KL TMA 7 024503N 1021412E thence an arc of 30NM radius centred on VKL DVOR/DME (024328N 1014417E) clockwise to 021752N 1012829E thence TMA boundaries to 024629N 1024141E thence R 087 VKL to 024503N 1021412E Class of airspace: 5500 FT ALT - FL 245				
BUTTERWORTH TERMINAL AREA Major arc of a circle of 40 NM radius centred VBT (052836N 1002342E) FM 055800N 1005030E clockwise to 060030N 1000000E thence a straight line to 061000N 1000000E to 061000N 1000400E to 055800N 1001700E to 055800N 1005030E	Butterworth Radar	Butterworth Radar English H24	125.925 MHZ (PRI) 120.975 MHZ (SRY)	Within lateral limits of CTR: 5500FT ALT - FL245 Elsewhere: 2500FT ALT - FL245
KUANTAN TERMINAL AREA Major arc of a circle 30 NM radius centred on ARP (034611N 1031234E) FM 0338203.2N 1034128.3E clockwise to 035701N 1034158.1E thence following the FIR BDRY southward to 0338203.2N 1034128.3E.	Kuantan Approach	Kuantan Approach English H24	119.700 MHZ	4500 FT ALT - FL 245 Restriction: Eastbound flight on G582 to reach FL250 or above by 78 DME VBA.
JOHOR BAHRU TMA Area bounded by 013022N 1033437E, 014404N 1031507E, thence along the arc of 25NM radius centered of VJB, thence along western boundary of B469 thence along northern boundary W401 to 013022N 1033437E.	Johor Approach	Johor Radar English 2330 - 1330 Johor Tower English 2230 - 1600	124.700 MHZ (PRI) 121.050 MHZ (SRY) 118.150 MHZ	Within lateral limits of CTR: 3000 FT ALT - FL245. Elsewhere: 1500FT ALT - FL245 Also the controlling authority for Airspaces Below SECT 1 and 2 (Ref ENR 3.1) i AWY W401. ii. South of 50 DME SJ. iii. South of VMR DVOR/DME.

1	Unit Providing Service 2	Call Sign Languages HR 3	FREQ Purpose 4	Remarks 5
KOTA BHARU TERMINAL AREA Commencing from 062810N 1022700E, clockwise to an arc of 20NM radius from VKB DVOR/DME (060949N 1021851E) to 061710N 1023732E then to 054500N 1025025E thence along an arc of 40NM radius centered from VKB DVOR/DME to join Malaysian – Thai FIR boundary at 054501N 1014713E, thence along the FIR boundary to 062810N 1022700E	KUALA LUMPUR ACC	Lumpur Control (FL150 and above) English H24	132.6 MHZ	Within lateral limits of Kota Bharu CTR and Gong Kedak CTR: 4500FT ALT - FL245. Elsewhere: 3000FT ALT - FL245
	KOTA BHARU APPROACH	Kota Bharu Approach (4500FT ALT - FL140) English H24	120.85 MHZ (PRI) 130.3 MHZ (SRY)	
KUALA LUMPUR FIR **AREAS WITHIN THE SINGAPORE FIR FOR WHICH LUMPUR ACC IS RESPONSIBLE FOR PROVIDING ATS.**				
SOUTH CHINA SEA CORRIDOR Between a line from 023600N 1044500E to 022715N 1051750E 023641N 1051311E 024348N 1050854E 025010N 1051210E 031453N 1052619E 031727N 1052959E 033045N 1055130E 041312N 1071743E 043820N 1073315E 045203N 1074625E 045904N 1075525E 050012N 1080132E 045700N 1081619E 025050N 1091629E, in the south, and a line along 060000N in the north W of 105E FL 150 GND / SEA E of 105E FL 200 GND / SEA	KUALA LUMPUR ACC	Lumpur Control English H24	132.6 MHZ	Lumpur ACC shall be responsible for the provision of air traffic services to flights operating within the South China Sea Corridor.
		Lumpur Radio English H24	5655 KHZ 8942 KHZ 113696 KHZ	
SECTOR 1: That airspace contained within coordinates 011300N 1033000E, 012203N 1030209E thence along an arc of 50 DME SJ to 014529N 1031305E, 014225N 1031728E, thence along Johor TMA western bdry to 013022N 1033437E, 012600N 1034055E, thence along the Peninsular Malaysia and Singapore international BDRY to 011700N 1033600E, 011300N 1033000E. The Airspace herein is designated as follows: a) AREA 'B' (SJ DVOR/DME - 35 DME SJ) FL 245 3 000 FT ALT b) AREA 'D' (35 DME SJ - 45 DME SJ) FL 245 5 500 FT ALT c) AREA 'F' (45 DME SJ - 50 DME SJ) FL 245 9 500 FT ALT	*Singapore ACC	Singapore Radar English H24	133.25 MHZ (PRY) 135.8 MHZ (SRY)	*Controlling Authority Johor APP for airspaces BLW SECT 1 and 2. AWY W401, S of VMR DVOR *Note: In the event an acft in the areas is forced to make an Emergency descent which will penetrate Malaysian airspace, the pilot shall advise Singapore ATC immediately.*

1	Unit Providing Service 2	Call Sign Languages HR 3	FREQ Purpose 4	Remarks 5
SECTOR 2: That Airspace contained within coordinates 013206N 1035031E, 022205N 1034724E, 025234N 1033340E, 025432N 1034341E, 033822N 1034139E, 023600N 1044500E, 012000N 1042000E, 012000N 1040528E, thence along the Peninsular Malaysia and Singapore INTL BDRY to 012600N 1034055E to 013022N 1033437E, 013130N 1034236E to 013206N 1035031E. The Airspace herein is designated as follows: a) AREA 'A' (PU DVOR/DME - 30 DME PU excluding the northern portion of Changi CTR). FL 245 2 000 FT ALT b) AREA 'C' (30 DME PU - 61 DME PU). FL300 5 500 FT ALT c) AREA 'E' (61 DME PU - 90 DME PU). FL 360 FL 120 d) AREA 'H' (from 025432N 1034341E thence along the 90 DME PU arc to the FIR bdry (024712N 1043337E) thence to 033822N 1034139E, 025432N 1034341E). FL 360 FL 145	*Singapore ACC	Singapore Radar English H24	127.3 MHZ (PRI) 123.7 MHZ (SRY)	*Controlling Authority Johor APP for airspaces BLW SECT 1and 2. Awy W401, south of VMR DVOR *Note: In the event an acft in the areas is forced to make an Emergency descent which will penetrate Malaysian airspace, the pilot shall advise Singapore ATC immediately.*
AIRWAYS a) WHISKEY 401[Airspace between OMKOM and PU radial 324 from 2000FT to FL245 and PU radial 324 to PIMOK (excluding WSP 228) from 3000FT to FL245] FL 245 2 000 FT ALT / 3 000 FT ALT b) ALFA 576 FL 460 6 500 FT ALT c) GOLF 579 FL 460 2 000 FT ALT	*Singapore ACC	Singapore Radar English H24	127.3 MHZ (PRI) 123.7 MHZ (SRY)	*Only within the steps delegated to Singapore ACC by Lumpur ACC for provision ATS.
NYLON HOLDING AREA (NHA) High level 13 DME VTK R-023 (013656.9N 1040623.8E). FL 250 FL 150	Singapore ACC	Singapore Approach English H24		Holding Pattern:1 1/2 min left hand. Holding Axis: 203° Max Holding Speed: 265 kt. *Note: max speed of 280 kt. in conditions of turbulence subject to ATC clearance.*

1	Unit Providing Service 2	Call Sign Languages HR 3	FREQ Purpose 4	Remarks 5
NYLON HOLDING AREA (NHA) Low level 13 DME VTK R-023 (013656.9N 1040623.8E). FL 140 2500 FT ALT	Singapore ACC	Singapore Approach English H24		Holding Pattern:1 1/2 min left hand. Holding Axis: 203° Max Holding Speed: 230 kt. *Note: max speed of 280 kt. in conditions of turbulence subject to ATC clearance.*
KUALA LUMPUR FIR				
HOSBA HOLDING AREA (HHA) High level 34 DME SJ R-079 (24 DME VTK R-103) (011947.8N 1042417.5E). FL 250 FL 150	Singapore ACC	Singapore Radar English H24		Holding Pattern: 1 1/2 min left hand. Holding Axis: 259° Max Holding Speed: 265 kt. *Note: max speed of 280 kt. in conditions of turbulence subject to ATC clearance.*
HOSBA HOLDING AREA (HHA) Low level 34 DME SJ R-079 (24 DME VTK R-103) (011947.8N 1042417.5E). FL 140 7 000 FT ALT	Singapore ACC	Singapore Approach English H24		Holding Pattern: 1 min right hand. Holding Axis: 259° Max Holding Speed: 230 kt. *Note: max speed of 280 kt. in conditions of turbulence subject to ATC clearance.*
LAMA HOLDING AREA Low level 7 DME PU R-024 (013149.5N 1035850.3E). FL 140 2 500 FT ALT	Singapore ACC	Singapore Approach English H24		Holding Pattern: 1 min right hand. Holding Axis: 204° Max Holding Speed: 230 kt. *Note: max speed of 280 kt. in conditions of turbulence subject to ATC clearance.*
CHANGI CTR That part of Changi CTR bounded by 013300N 1040149E, 013042N 1040654E, 012542N 1040448E thence along the Peninsular Malaysia / Singapore International Boundary to 012516N 1035812E to 013300N 1040149E. 3 000 FT ALT GND / SEA	Singapore TWR	Singapore Tower English H24	118.6 MHZ	

1	Unit Providing Service 2	Call Sign Languages HR 3	FREQ Purpose 4	Remarks 5
SELETAR CTR 'B' That part of Seletar CTR bounded by 012825N 1035009E, 012900N 1035425E, 012534N 1035454E, thence along the Peninsular Malaysia/Singapore International Boundary to 012808N 1035010E then 012825N 1035009E. 3 000 FT ALT GND / SEA	Seletar Tower	Seletar Tower English H24	118.450 MHz (PRY) 130.200 MHz (SRY) 270.400 MHz	Seletar CTR 'B' will be activated only with prior approval of Johor Bahru ATC.
PAYA LEBAR CTR That part of Paya Lebar CTR bounded by 013300N 1040149E, 013200N 1035344E, 012534N 1035454E, thence along the Peninsular Malaysia/ Singapoe International Boundary to 012516N 1035812E to 013300N 1040149E 3 000 FT ALT GND / SEA	Paya Lebar Tower	Paya Lebar Tower English	118.050 MHz 263.100 MHz	Northern Transit Corridor. RSAF military acft (with the exception of trainer acft) using the North transit corridor will enter the airspace over Johor at or above 5 000 FT. RSAF trainer acft using the North transit corridor will enter the airspace over Johor at or above 2000 FT.
KOTA KINABALU FIR				
KOTA KINABALU FLIGHT INFORMATION REGION 0825N 11630E, 0730N 11730E, 0400N 12000E, 0400N 11800E thence along the INTL BDRY of Sabah / Sarawak and Indonesia to a point 0100N 10854E, 0100N 10830E, 0215N 10830E to 0825N 11630E. UNL GND / SEA	KOTA KINABALU ACC	Kinabalu Radar English H24	126.100 MHz (PRI) 128.750 MHz (SRY) 128.300 MHz (PRI) 125.950 MHz (SRY)	VHF RDO FREQ 132.45 MHZ. Operating at flexible HR.
	KUCHING ACC	Kuching Radar English H24	132.350 MHz (PRI) 133.950 MHz (SRY) 134.500 MHz (PRI) 125.350 MHz (SRY)	
KUCHING FLIGHT INFORMATION SERVICES West of the line 040701N 1105353E (RDL294 VBU 139 DME) - Bintulu DVOR/DME VBU - Long Geng 023700N 1140800E - Bkt Batu 021500N 1134200E - Bkt Tunggal 013500N 1125900E 6500FT GND / SEA	KUCHING ACC	Kuching Information English HJ	128.400 MHz (PRI)	Flight operating over the sea shall remain in communication with the nearest ATS Unit. If unable to contact nearest ATS Units or Kuching Info within the mentioned airspace (Except between Sibu and Bintulu CTRS) Pi-lot shall follow TFC info broadcast by ACFT (TIBA) procedure.

1	Unit Providing Service 2	Call Sign Languages HR 3	FREQ Purpose 4	Remarks 5
KOTA KINABALU TERMINAL AREA Area contained within an arc of 50 NM radius centred on BRU DVOR/DME (045230N 1145254E) fm 050600N 1140450E to 052940N 1141950E thence a straight line to 063120N 1152850E thence an arc of 50 NM radius centred on VJN DVOR/DME (055357.3N 1160202.3E) clockwise to 051640N 1163510E thence a straight line to 042240N 1153425E thence a straight line to 045220N 1151200E thence an arc of 17 NM radius centred on Brunei ARP (045641N 1145532E) anti-clockwise to 051300N 1045040E thence a straight line to 050600N 1140450E. FL 245 3 000 FT ALT	KOTA KINABALU ACC	Kinabalu Radar (FL 150 and above) English H24	126.100 MHz (PRI) 128.750 MHz (SRY)	VHF RDO FREQ 132.450 MHZ. Operating at flexible HR.
		Kinabalu Tower (Below FL 150) English H24	119.100 MHz	
KUCHING TERMINAL AREA Area contained within positions commencing clockwise from 015040N 1093330E along the arc of a circle 50 NM centred on VKG DVOR/ DME (012824N 1101830E) to 010200N 1110100E, thence along the national boundary of Malaysia/Indonesia to 015040N 1093330E. FL 245 2 500 FT ALT	KUCHING ACC	Kuching Radar (Above FL 150) English H24	132.350 MHz (PRI) 133.950 MHz (SRY) 134.500 MHz (PRI) 125.350 MHz (SRY)	ACFT wishing to join or cross Kuching TMA should obtain ATC clearance not later than 10 minutes on VHF RTF or 20 minutes on HF RTF before joining or crossing. Designated reporting points a) CTR BDRY b) TMA BDRY c) Lundu d) Santubong e) Tanjung Dato f) Simunjan g) Bau h) Triso i) Muara Tebas
		Kuching Radar (Below FL 150) English H24	120.200 MHz (PRI)	
BRUNEI TERMINAL CONTROL AREA Area contained within arc of a circle 50 NM radius centred on BRU DVOR/DME (045230N 1145254E) clockwise fm 041510N 1152605E to 050600N 1140450E thence a straight line to 051300N 1145040E thence an arc of 17 NM radius centred on Brunei ARP (045641N 1145532E) clockwise to 045220N 1151200E thence a straight line to 042240N 1153425E thence a straight line to 041510N 1152605E. FL 145 3 000 FT ALT	Brunei Control / Approach	Brunei Approach English H24	121.3 MHZ 119.2 MHZ	

1	Unit Providing Service 2	Call Sign Languages HR 3	FREQ Purpose 4	Remarks 5
AMPA TRIANGLE - OFF SHORE HELICOPTERS OPERATION AREA Area contained within arc of 50 NM fm BRU DVOR/DME (045230N 1145254E) anti clockwise fm 050600N 1140450E to 043300N 1140655E thence a straight line to 044700N 1135235E to 050500N 1135830E to 050600N 1140450E 3 000 FT ALT GND / SEA	Brunei Approach	Brunei Approach English	121.3 MHZ 119.2 MHZ	
MIRI TMA An area excluding AMPA Triangle, contained within positions commencing clockwise from 040214.24N 1145354.59E, a straight line to 034317.00N 1144031.10E then a straight line to 033913.94N 1140143.41E then along the arc of a circle 40 NM centred on WBGR ARP (041921N 1135914E) to 045918.96N 1140330.10E, then along the boundary of the Brunei TMA, 50 NM centred on 045228.50N 1145307.79E to 040214.24N 1145354.59E. FL 145 2500 FT ALT	MIRI APPROACH/ RADAR	MIRI APPROACH English	129.9 MHZ (PRI) 122.70 MHZ (SRY)	
AREA WITHIN THE SINGAPORE FIR FOR WHICH KINABALU ACC IS RESPONSIBLE FOR PROVIDING ATS				
RNAV ROUTE M522/RNAV ROUTE M754 Within the lateral BDRYs of M522 / M754 in the Singapore FIR. FL 460 FL 135	KOTA KINABALU ACC	Kinabalu Radar English H24	126.1 MHZ	Controlling Authority: KOTA KINABALU ACC

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AD 1.5 STATUS OF CERTIFICATION OF AERODROMES

1.5.1 STATUS OF CERTIFICATION OF AERODROMES

Aerodrome Name and Location Indicator	Status of Certification	Date of Certification	*Validity of Certification
KL International / Sepang WMKK	Certified	21 JUN 2024	30 JUN 2025
Kota Kinabalu International Airport WBKK	Certified	25 DEC 2023	24 DEC 2025
Penang International Airport WMKP	Certified	01 APR 2024	31 MAR 2026
Kuching International Airport WBGG	Certified	18 MAY 2023	17 MAY 2026
Langkawi International Airport WMKL	Certified	01 MAR 2025	29 FEB 2028
Johor Bahru/Senai International WMKJ	Certified	31 JAN 2024	30 JUL 2024
Miri Airport WBGR	Certified	20 JUL 2024	31 JAN 2026
Ipoh/Ipoh Sultan Azlan Shah Airport WMKI	Certified	18 MAR 2024	17 MAR 2026
Alor Setar/Sultan Abdul Halim Airport WMKA	Certified	24 OCT 2023	23 OCT 2025
Kota Bharu/Sultan Ismail Petra Airport WMKC	Certified	01 MAR 2022	28 FEB 2026
Kuala Terengganu/Sultan Mahmud Airport WMKN	Certified	20 JAN 2024	19 JAN 2026
Tawau Airport WBKW	Certified	21 NOV 2023	20 NOV 2026
Sandakan Airport WBKS	Certified	18 OCT 2024	31 OCT 2025
Bintulu Airport WBGB	Certified	13 APR 2022	12 APR 2026
Sibu Airport WBGS	Certified	22 OCT 2024	31 OCT 2025
Malacca Airport WMKM	Certified	01 APR 2023	31 MAR 2025
Limbang Airport WBGJ	Certified	19 MAY 2023	18 MAY 2025
Subang/Sultan Abdul Aziz Shah Airport WMSA	Certified	24 OCT 2024	31 OCT 2026
Kerteh Airport WMKE	Certified	02 APR 2023	01 APR 2025
Tanjung Manis WBTM	Certified	10 JAN 2017	Open ended
KUANTAN AIRPORT WMKD	Not certified	NIL	NIL
LABUAN WBKL	Certified	01 MAR 2025	31 AUG 2025
LAHAD DATU WBKD	Certified	18 MAY 2023	17 MAY 2025

Note: **Aerodrome Certificate issued by the Authority shall remain valid unless it is suspended, revoked or surrendered.*

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WMKD AD 2.1 AERODROME LOCATION INDICATOR AND NAME

WMKD - KUANTAN AIRPORT

WMKD AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	LAT 034611N LONG 1031234E Site at AD: 83.612M from RWY Centreline and 8.207M from edge of RFFS Emergency Access Road.
2	Direction and distance from (city)	14.017 KM (7.569 NM) Bearing 71°50' 27.648" from Kuantan General Post Office
3	Elevation/Reference temperature	55 FT / 25.6 C
4	Geoid undulation at AD ELEV PSN	+3 M
5	MAG VAR/Annual change	0° W (2023) / - 0° 1' 42" W decreasing
6	AD operator, address, telephone, telefax, e-mail address, AFS and website address	Operator: Malaysia Airports Sdn. Bhd. Sultan Ahmad Shah Airport 25990 Kuantan Pahang Darul Makmur TEL: +609 - 5312123 Telefax: +609 - 5384107 e-mail: masb_kua@malaysiaairports.com.my Http: http://www.malaysiaairports.com.my ATC Services: Royal Malaysian Air Force Kuantan Air Base 25990 Kuantan Pahang Darul Makmur Malaysia. e-mail: wmkdtower118.1@gmail.com TEL: +609 9706358 +609-5385232
7	Types of traffic permitted (IFR/VFR)	IFR / VFR
8	Remarks	NIL

WMKD AD 2.3 OPERATIONAL HOURS

1	AD Operator	a) Mon - Fri: 0000 - 0830 UTC b) Military Flying Operation During working hours and inform Base Ops Room. 24 HR PPR through Base Ops Room are required for non-local base aircraft flying operations. i. Monday to Friday - 0000 to 0900 UTC or as required for operational requirement. ii. Saturday / Sunday / Public Holiday - 48 HR PPR. iii. Circuit Closure. No circuit is allowed during Friday Prayer (0500 - 0600 UTC) iv. Night flying may be conducted on any working day of the week and the last landing it to be made before 1559 UTC. For Thursday, if flying squadron intended to commence night flying earlier than 1300 UTC required to obtained special authorisation from the Base Commander. The respective flying squadron shall obtain the approval from the Base Commander directly.
2	Customs and immigration	Available.
3	Health and sanitation	Available.
4	AIS Briefing Office	NIL

5	ATS Reporting Office (ARO)	H24
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	- Available on request from aircraft company based at and operating into Kuantan Airport - Jet Fuels Sdn Bhd - 23:00 - 11:00 UTC - TEL : +6017-501 5593/ +6011-1088 5617/ +603-4266 5486
9	Handling	NIL
10	Security	H24
11	De-icing	NIL
12	Remarks	PPR for all non-RMAF ACFT. Scheduled civil ACFT subject to agreement Malaysian based acft (non-scheduled). Request thru: a) Markas Pemerintahan Operasi Udara Pusat Operasi Tentera Udara Pangkalan Udara Subang, 40000 Shah Alam Selangor Darul Ehsan (request to be made before noon on a working day) b) Inform Kuantan Base thru Ops TEL: (+60) 9 9706386 / 6370 / 6371 FAX: (+60) 9 5381694

WMKD AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	NIL
2	Fuel/oil types	Jet A1
3	Fuelling facilities/capacity	Bowser / 10,920 Litres
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

WMKD AD 2.5 PASSENGER FACILITIES

1	Hotels	In Kuantan Town (17 KM)
2	Restaurants	Available
3	Transportation	Available
4	Medical facilities	Kuantan Hospital (15 KM).
5	Bank and Post Office	MBB (ATM) / Post Office (6 km) - Jaya Gading.
6	Tourist Office	NIL
7	Remarks	NIL

WMKD AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 8
2	Rescue equipment	Adequately provided as recommended by ICAO.

3	Capability for removal of disabled aircraft	With arrangement with the respective airline and ground handler. a) Largest aircraft - B738
4	Remarks	All Rescue Firefighting Service (RFFS) personnel are to be well trained in rescue and firefighting as well as medical first aid.

WMKD AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	-
2	Clearance priorities	-
3	Remarks	-

WMKD AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	**Bay 1, Bay 2** and **Bay 3** Surface : Concrete (Rigid) Strength: PCR 539 / R / C / X / U
2	Taxiway width, surface and strength	**Taxiway H** Width: 23M Surface: Asphalt (Flexible) Strength: PCR 448 / F / C / X / U **Aircraft Stand Taxilane** Width: 27 M Surface: Asphalt (Flexible) Strength: PCR 448 / F / C / X / U
		Main Taxiway Width: 16 M Surface: Asphalt Strength: PCR: N/A (PCN 50 / F / A / W / T)
		Taxiway A Width: 16 M Surface: Concrete Strength: PCR: N/A (PCN 60 / F / A / W / T)
		Taxiway B, D, F and **G** Width: 16 M Surface: Asphalt Strength: PCR: N/A (PCN 50 / F / A / W / T)
		High Speed Taxiway A Width: 16 M Surface: Asphalt Strength: PCR: N/A (PCN 50 / F / A / W / T)
		High Speed Taxiway C and **E** Width: 27 M Surface: Asphalt Strength: PCR: N/A (PCN 50 / F / A / W / T)
		High Speed Taxiway G Width: 16 M Surface: Asphalt Strength: PCR: N/A (PCN 19 / F / A / W / T)
3	Altimeter checkpoint location and elevation	Location: Main apron Elevation: 14M (46 FT)
4	VOR checkpoints	NIL
5	INS checkpoints	At aircraft parking stands (See AD 2-WMKD-2-3)

6	Remarks	NIL

WMKD AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Taxiing guidance signs at intersection with TWY and RWY and at holding positions. Guide lines at apron. Nose-in guidance at aircraft stands.
2	RWY and TWY markings and LGT	RWY : Designation, threshold, touchdown zone, centre line, aiming point, side stripe, transverse stripe and chevron markings. RWY LGT: Edge, threshold and runway end lights. Wing bar lights at RWY 36 only. TWY : Centre line, taxi side stripe, runway-holding position and transverse stripe marking. TWY LGT: Edge lights.
3	Stop bars	NIL
4	Remarks	Pilot to exercise caution when taxing to holding position.

WMKD AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMKDOB001	TRANS Mast	034634.2N 1031238.0E	HGT 126FT (38M) AGL	LGTD	NIL
WMKDOB002	Aerial Mast	034426.2N 1030819.1E	HGT 150FT (46M)	NIL	Distance 4 NM from ARP.
WMKDOB003	Mast	034612.2N 1031247.0E	HGT 39.62FT	LGTD	NIL
WMKDOB004	Kuantan floodlight			NIL	Erected west of airfield at new dispersal area (163 FT)
WMKDOB005	Telecommunication Mast	034917.5N 1031147.2E	HGT 425 FT AGL	NIL	Erected at Ladang Felda Sg. Panching Timur, Kuantan
WMKDOB006	Old Building	034629.1N 1031228.0E	133 FT / 75 FT	Painted red and white, LDGTD	NIL
WMKDOB007	Substation Northern Barrier	034711.1N 1031238.0E	NIL	NIL	NIL
WMKDOB008	Distance To Run Marker Board	NIL	63 FT / 5 FT	NIL	Located 22 m FM RWY edge on East side of RWY by interval of 304.8 m starting FM threshold.
WMKDOB009	Arrestor Barrier Bunker RWY 36	034545.2N 1031229E	64 FT / 6 FT	Painted red and white, not LGTD.	Position at 52 m FM RWY edge on both sides of RWY.
WMKDOB010	Arrestor Barrier Bunker RWY 18	034718.3N 1031234E	64 FT / 6 FT	Painted red and white, not LGTD.	Position at 52 m FM RWY edge on both sides of RWY.
WMKDOB011	Arrestor Cable Bunker RWY 36	034602N 1031230.0E	64 FT / 6 FT	Painted red and white, not LGTD.	Position at 36 m FM RWY edge on both sides of RWY.

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMKDOB012	Arrestor Cable Bunker RWY 18	034701N 1031233.0E	64 FT/ 6 FT	Painted red and white, not LGTD.	Position at 36 m FM RWY edge on both sides of RWY.
WMKDOB013	WRVR Pole RWY 36	034557.7N 1031233.0E	88.2 FT / 30.2 FT	Painted red and white, LGTD.	Non-frangible.
WMKDOB014	Lighting Protection System	034545.2N 1031227.0E	84.2 FT / 26.2 FT	Painted red and white, LGTD.	Non-frangible.
WMKDOB015	Arrester Barrier Runway 18 Camera	034546N 1031231E	64.5 FT / 6.5 FT	NIL	NIL
WMKDOB016	Arrester Barrier Runway 36 Camera	034715.4N 1031236.0E	67.8 FT / 9.8 FT	NIL	NIL
WMKDOB017	Arrester Cable RWY 18 Camera	034701.9N 1031235.0E	64.5 FT / 6.5 FT	NIL	NIL
WMKDOB018	Arrester Cable Runway 36 Camera	034603.2N 1031232.1E	64.5 FT / 6.5 FT	NIL	NIL
WMKDOB019	Telecommunication Tower	034655.5N 1031054.3E	324.7 FT / 99 FT	NIL	NIL
WMKDOB020	GP Building with Antenna	034556.1N 1031234.1E	103 FT / 55 FT	NIL	NIL

In Area 3					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
NIL	NIL	NIL	NIL	NIL	NIL

WMKD AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMO KUANTAN
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO KUANTAN H24 (0024 0606 1212 1818)
4	Trend forecast Interval of issuance	TREND Hourly
5	Briefing/consultation provided	Provided
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	Flight Level Wind/Temp FL050, FL100, FL140, FL180, FL240, FL270, FL300, FL320, FL340, FL360, FL390, FL410, FL450 and FL530, SIG-WX, Volcanic Ash/Tropical Cyclone Advisory Bulletin, SIGMET, AIRMET, Aerodrome Warning, METAR Bulletin, TAFOR Bulletin, WMKD Take-Off Data, Area QNH for Kuala Lumpur FIR and Kota Kinabalu FIR,Radar and Satellite Pictures.
8	Supplementary equipment available for providing information	Aviation Self-Briefing Terminal - ABT (Internet)

9	ATS units provided with information	Kuantan APP/TWR
10	Additional information (limitation of service, etc.)	TEL: +609 - 5384216 Telefax:+609 - 5384673

WMKD AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designation RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCR) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
18	183.13°	2743 x 45	PCR 377 / F / A / W / U Asphalt (Flexible)	THR coordinates 034715.32N 1031234.65E RWY end coordinates 034546.15N 1031229.80E GUND +3 M	THR elevation: 55 FT
36	3.13°	2743 x 45	PCR 377 / F / A / W / U Asphalt (Flexible)	THR coordinates 034546.15N 1031229.80E RWY end coordinates 034715.32N 1031234.65E GUND +2.7 M	THR elevation: 52.5 FT TDZ elevation: 52.5 FT

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
0.024%	NIL	NIL	2863 x 280	NIL	RESA 90M x 90M
0.024%	NIL	NIL	2863 x 280	NIL	RESA 90M x 90M

WMKD AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
18	2743	2743	2743	2743	NIL
36	2743	2743	2743	2743	NIL

WMKD AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
18	SALS 420 M LIH	Green -	PAPI Left Slope 3° 19.7M (64.6 FT)	NIL	NIL	2743M 60M Variable White / Yellow LIH	Red -	NIL	NIL
36	CAT I 900M LIH	Green Green	PAPI Right Slope 3° 18.5 M (60.7 FT)	NIL	NIL	2743M 60M Variable White / Yellow LIH	Red -	NIL	Inconsistent interval distance of RWY 36 approach light mast from Row No.10 to Row No 29.

WMKD AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	ABN: Available on top of Control Tower, FLG Green and White 20 to 30 per minute. At night and poor visibility conditions. IBN: NIL
2	LDI location and LGT Anemometer location and LGT	LDI: NIL Anemometer: At wind-direction indicator (WDI) RWY 18: 400 M from THR on left side, 100M from RWY centreline and lighted. RWY 36: 395 M from THR on right side, 100 M from RWY centreline and lighted.
3	TWY edge and centre line lighting	TWY edge lights - Taxiway H TWY centre line lights - NIL
4	Secondary power supply/switch-over time	Secondary power supply to all AGL at AD. Switch-over time: Maximum 15 seconds
5	Remarks	NIL

WMKD AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WMKD AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	KUANTAN CTR Circle of 20 NM centred on ARP (034611N 1031234E).
2	Vertical limits	KUANTAN CTR: SFC to 4 500 FT AMSL
3	Airspace classification	Class C - SFC to 10 000 ft
4	ATS unit call sign Language(s)	KUANTAN RADAR, KUANTAN DIRECTOR, KUANTAN TOWER, KUANTAN GROUND English
5	Transition altitude	11 000 FT AMSL
6	Remarks	Military flying activities.

WMKD AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	KUANTAN TOWER	P 118.100MHZ P# 238.100MHZ	H24	* - Monitored and avbl immediately. P - Primary. VHF/UHF TX/RX. No break system. E - Emergency. # - O/R. RWY 36 OCL 240. Maint. period: Ev Sunday.
	KUANTAN GROUND	263.900 MHZ 120.400 MHZ		
APP	KUANTAN RADAR	P 119.700 MHZ P# 249.300 MHZ E* 243.000 MHZ E* 121.500 MHZ		
ATIS	ATIS	127.500 MHZ 253.800 MHZ		
SRA (Surveillance Radar Approach)	KUANTAN DIRECTOR	# 261.600 MHZ 118.700 MHZ	00:01 - 09:00 MON - FRI Sat, Sun - Clsd	

WMKD AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
ILS/LOC	IKN	109.500 MHZ	H24	034726.71N 1031235.19E	-	-
GP/DME		CH 32X		034556.16N 1031234.13E	-	G/P 3° ILS REF DATUM: 54FT
DVOR/TACAN	VKN	113.700 MHZ CH 84X		034623N 1031239E	-	400W

WMKD AD 2.20 LOCAL AERODROME REGULATIONS

2.20.1 Local Flying Restrictions

a) Kuantan circuit direction for RWY 36 is Left Hand Circuit Pattern and for RWY 18 is Right Hand Circuit Pattern. The circuit altitudes AMSL are as follows;

Aircraft Type	Altitudes		
	Day	Low Level	Night
Jet Aircraft	1500 FT	500 FT	1500FT
Piston and Turbo Prop	1000 FT	500 FT	1000 FT
Helicopter	700 FT	500 FT	1000 FT

b) Arrester Barrier:

i. Runway 18 - Type 44B/NET/STANCHION. (End of RWY 18)
ii. Runway 36 -Type 44B/NET/STANCHION. (End of RWY 36)
(overrun available for tow out distance: RWY 36 = 326m, RWY 18 = 262m)

c) Arrester Cable

i. Runway 18 - Type BAK 14 hook cable AAS (1450FT. from threshold RWY 18)
ii. Runway 36 - Type BAK 14 hook cable AAS (1650FT. from threshold RWY 36)

(Remarks: Both arrester cable and arrester barrier will be at down position unless for specific aircraft type operation)

2.20.2 Arriving Aircraft Parking Arrangement

2.20.2.1 No simultaneous aircraft movement (power-in and power-out operations) at the main apron.

2.20.3 Taxiing Routes - Departure and Arrival

2.20.3.1 Arriving and departing for civil aircraft is at Taxiway H or as directed by ATC.

WMKD AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WMKD AD 2.22 FLIGHT PROCEDURES

NIL

WMKD AD 2.23 ADDITIONAL INFORMATION

2.23.1 Bird Concentration In The Vicinity Of The Airport.

2.23.1.1 Bird concentration in the vicinity of aerodrome. Pilot to exercise caution during departure and arrival.

2.23.2 Release of Radio Sonde.

2.23.2.1 A white balloon 8FT to 10FT diameter with radio sonde equipment attached will be released at 03°46’47"N 103°13’11"E to a maximum height of 130,000FT BTN 2300 - 0001 UTC and 1000 - 1100 UTC. Red parachute attached to radio sonde when balloon burst.

2.23.3. All aircraft are to avoid overflying overhead Petronas Compressor Station (034546N 1031019E) 5000FT and below due to hazardous gas released from blowdown area.

2.23.4. No locked wheel turn allowed on the runway.

2.23.5 Pilot to exercise caution on the objects within runway strips as follows:

i. Old building
(034629.17N 1031228.04E)

ii. Substation Northern Barrier
(034711.14N 10312 8.93E)

iii. Distance to run marker board (DTRMB)

iv. Tall trees on the left approach RWY 18

v. Wind direction indicator: Non - frangible

vi. Monsoon drain

2.23.6. Aiming point marking is located 400 M from the threshold of RWY 36 and is not coincident with the PAPI slope origin.

2.23.7. Due to only one taxiway accessible to the runway from the apron and vice versa, departing aircraft are required to hold at apron to facilitate landing aircraft taxiing in.

WMKD AD 2.24 CHARTS RELATED TO AN AERODROME

Chart name	Page
AERODROME/HELIPORT CHART (WMKD) - ICAO	AD 2-WMKD-2-1
AIRCRAFT PARKING/DOCKING CHART (WMKD) - ICAO	AD 2-WMKD-2-3
AERODROME GROUND MOVEMENT CHART (WMKD) - ICAO	AD 2-WMKD-2-5
KUANTAN TMA, CONTROL ZONE AND HOLDING AREAS	AD 2-WMKD-4-1
ATC SURVEILLANCE MINIMUM ALTITUDE (SMA) - KUANTAN TMA CONTROL ZONE	AD 2-WMKD-4-3
STANDARD DEPARTURE CHART - ICAO - RWY 18/36 KUANTAN RADAR 1 DEP	AD 2-WMKD-6-1
STANDARD DEPARTURE CHART - ICAO - RWY 18 ADNUT B PEKAN B GUNBO B KERTEH B	AD 2-WMKD-6-3
STANDARD DEPARTURE CHART - ICAO - RWY 36 (RNAV) ADNUT C PEKAN C GUNBO C KERTEH C	AD 2-WMKD-6-5
STANDARD DEPARTURE CHART - ICAO - RWY 36 (RNAV) ADNUT C PEKAN C GUNBO C KERTEH C (TABULAR 1)	AD 2-WMKD-6-6
STANDARD DEPARTURE CHART - ICAO - RWY 36 ADNUT A PEKAN A GUNBO A KERTEH A	AD 2-WMKD-6-7
STANDARD ARRIVAL CHART - ICAO - RWY 18 (RNAV) ADNUT D PEKAN D GUNBO D KERTEH D	AD 2-WMKD-7-1
STANDARD ARRIVAL CHART - ICAO - RWY 18 (RNAV) ADNUT D PEKAN D GUNBO D KERTEH D (TABULAR 1)	AD 2-WMKD-7-2
STANDARD ARRIVAL CHART - ICAO - RWY 18 ADNUT C PEKAN C GUNBO C KERTEH C	AD 2-WMKD-7-3
STANDARD ARRIVAL CHART - ICAO - RWY 36 (RNAV) ADNUT B PEKAN B GUNBO B KERTEH B	AD 2-WMKD-7-5
STANDARD ARRIVAL CHART - ICAO - RWY 36 (RNAV) ADNUT B PEKAN B GUNBO B KERTEH B (TABULAR 1)	AD 2-WMKD-7-6
STANDARD ARRIVAL CHART - ICAO - RWY 36 ADNUT G PEKAN G GUNBO G KERTEH G	AD 2-WMKD-7-7
INSTRUMENT APPROACH CHART - ICAO - RWY 18 VOR Z (CAT C/D)	AD 2-WMKD-8-1
INSTRUMENT APPROACH CHART - ICAO - RWY 18 VOR Y (15 DME ARC ARR)	AD 2-WMKD-8-3
INSTRUMENT APPROACH CHART - ICAO - RWY 18 VOR Y (15 DME ARC ARR) (TABULAR 1)	AD 2-WMKD-8-4
INSTRUMENT APPROACH CHART - ICAO - RWY 36 ILS Z (RNAV STAR ARR)	AD 2-WMKD-8-5
INSTRUMENT APPROACH CHART - ICAO - RWY 36 ILS Z (RNAV STAR ARR) (TABULAR 1)	AD 2-WMKD-8-6
INSTRUMENT APPROACH CHART - ICAO - RWY 36 ILS Y (15DME ARC ARR)	AD 2-WMKD-8-7
INSTRUMENT APPROACH CHART - ICAO - RWY 36 ILS Y (15DME ARC ARR) (TABULAR 1)	AD 2-WMKD-8-8
INSTRUMENT APPROACH CHART - ICAO - RWY 36 ILS X (FROM OVERHEAD VKN VOR)	AD 2-WMKD-8-9
INSTRUMENT APPROACH CHART - ICAO - RWY 36 ILS X (FROM OVERHEAD VKN VOR) (TABULAR 1)	AD 2-WMKD-8-10
INSTRUMENT APPROACH CHART - ICAO - RWY 36 VOR	AD 2-WMKD-8-11
INSTRUMENT APPROACH CHART - ICAO - RWY 18 TACAN 1 (HI/LO)	AD 2-WMKD-8-13
INSTRUMENT APPROACH CHART - ICAO - RWY 36 TACAN 2 (HI/LO)	AD 2-WMKD-8-15
INSTRUMENT APPROACH CHART - ICAO - RWY 36 TACAN 3 (HI/LO)	AD 2-WMKD-8-17
INSTRUMENT APPROACH CHART - ICAO - RWY 18 TACAN 4 (HI/LO)	AD 2-WMKD-8-19

INTENTIONALLY BLANK

WMKI AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	**Bay 1, Bay 2 and Bay 3** Apron surface : Concrete (Rigid) Strength : PCR 448 / R / A / W / U **Bay 1A and Bay 1B** Apron surface : Concrete (Rigid) Strength : PCR 10 / R / A / W / U **Bay H1** Apron surface : Concrete (Rigid) Strength : 3 Tonnes
2	Taxiway width, surface and strength	**Taxiway A** Width: 21 M Surface: Asphalt (Flexible) Strength: PCR 345 / F / A / W / U **Taxiway B** Width: 22 M Surface: Asphalt (Flexible) Strength: PCR 345 / F / A / W / U **Taxiway C** Width: 23 M Surface: Asphalt (Flexible) Strength: PCR 25 / F / A / W / U **Taxiway D** Width: 11 M Surface: Asphalt (Flexible) Strength: PCR 9 / F / A / W / U **Taxiway E** Width: 11 M Surface: Asphalt (Flexible) Strength: PCR 25 / F / A / W / U **Apron Taxiway** Width: 15 M Surface: Concrete (Rigid) Strength: PCR 448 / R / A / W / U
3	Altimeter checkpoint location and elevation	Location: Main apron Elevation: 55M (180 FT)
4	VOR checkpoints	NIL
5	INS checkpoints	At aircraft parking stands (See AD 2-WMKI-2-3)
6	Remarks	5 Taxiways namely: Taxiway A, Taxiway B, Taxiway C, Taxiway D and Taxiway E connecting Taxiway B and Taxiway C.

WMKI AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Taxiing guidance signs at intersection with TWY and RWY and at RWY Holding positions. Yellow taxiing guide lines at apron. Nose wheel guidance lines for all parking bays.

2	RWY and TWY markings and LGT	RWY : Designation, side stripe, transverse stripe and centreline markings. Threshold, touch down zone and aiming point markings for RWY 04 only. RWY LGT : Edge lights and runway end lights. Threshold lights for RWY04 only. TWY : Centre line, taxi side stripe, runway-holding position and intermediate holding position markings. TWY LGT: Centre line, on an exit taxiway and edge lights.
3	Stop bars	NIL
4	Remarks	TWY D available for day light operation only

WMKI AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMKIOB001	GP/DME ANTENNA	043347.37N 1010522.69E	50.3 M AMSL	Marked, LGTD	
WMKIOB002	BUILDING	043244N 1010416E	73.5 M AMSL	LGTD	BRG 223°/3.2KM from ARP
WMKIOB003	TELECOM TWR	043058N 1010204E	135 M AMSL	Marked, LGTD	At Lahat BRG 228°/8 KM from ARP.
WMKIOB004	TURF CLUB BUILDING	043532N 1010558E	106 M AMSL	Marked, LGTD	BRG 016°/2.6 KM from ARP.
WMKIOB005	TELECOM TWR	043542N 1010456E	146 M AMSL	Marked, LGTD	At Ipoh BRG 337°/3 KM from ARP.
WMKIOB006	TELECOM TWR	043536N 1010055E	925 M AMSL	LGTD at night	On Kledang Hill (Upper) BRG 287°/9KM from ARP.
WMKIOB007	TWO AERIAL TV	043525N 1010038E	868 M AMSL	LGTD at night	On Kledang Hill (Lower) BRG 284°/9.5KM from ARP.
WMKIOB008	IPOH CITY AND COUNTRY CLUB	043451N 1010607E	66 M AMSL	LGTD	BRG 037°/1.6KM from ARP.
WMKIOB009	FLOOD LIGHT POLE	043346.2N 1010523.5E	DIST 77 M AMSL	NIL	BRG 207° from ARP.
WMKIOB010	FLOOD LIGHT POLE	043404.8N 1010546.8E	DIST 101 M AMSL	NIL	BRG 207° from ARP.
WMKIOB011	FLOOD LIGHT POLE	043407.0N 1010547.0E	DIST 95 M AMSL	NIL	BRG 099° from ARP.
WMKIOB012	HANGAR	043353.7N 1010530.4E	DIST 80 M AMSL	NIL	BRG 197° from ARP.
WMKIOB013	BROADCASTING TWR	043403.4N 1010539.4E	DIST 81 M AMSL	NIL	BRG 142° from ARP.

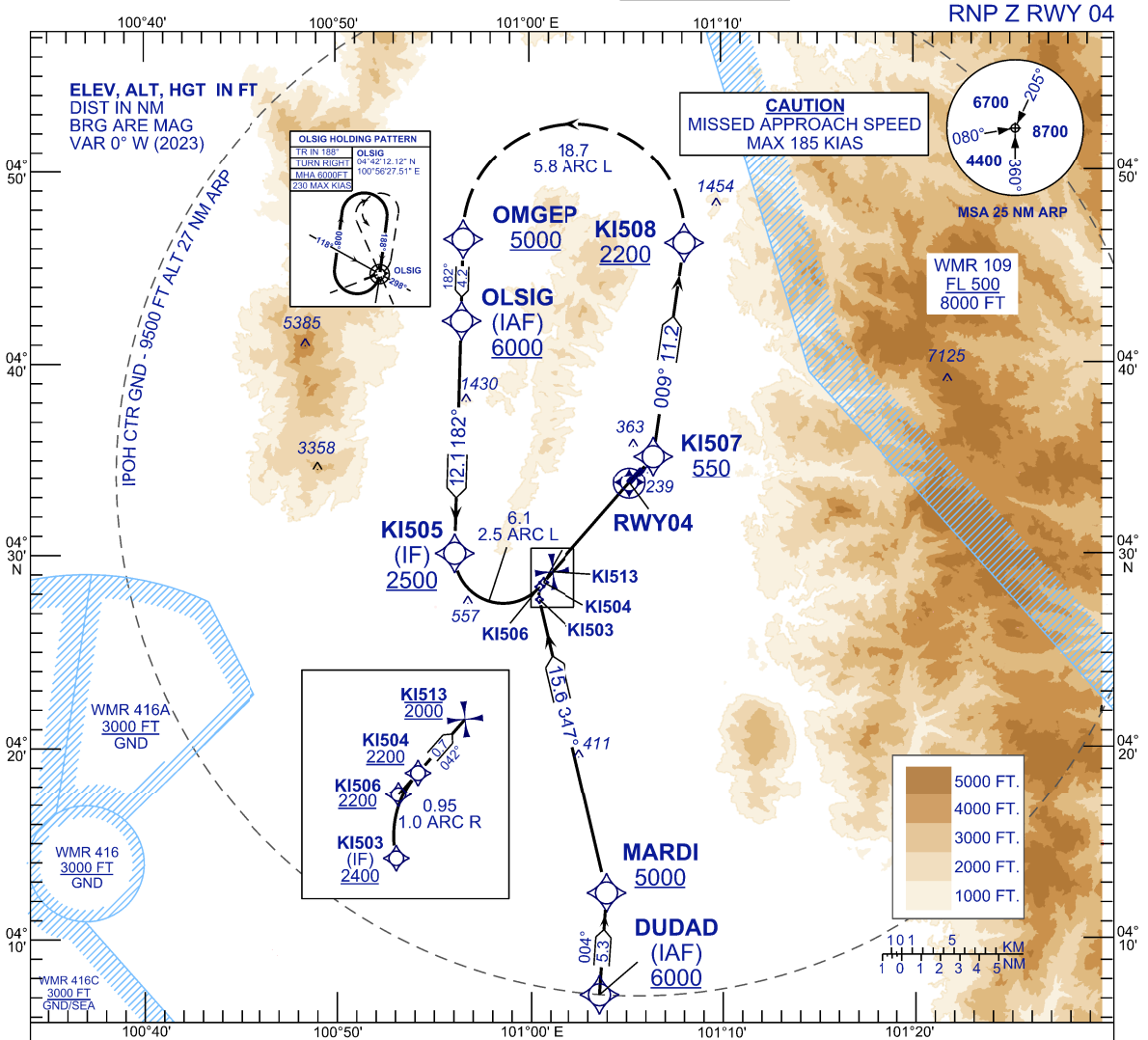
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 131 FT
HEIGHTS RELATED TO
THR RWY 04 - ELEV 131 FT

TWR	122.10
SMC	121.60
ATIS	127.05

IPOH/SULTAN AZLAN SHAH (WMKI)

RNP Z RWY 04



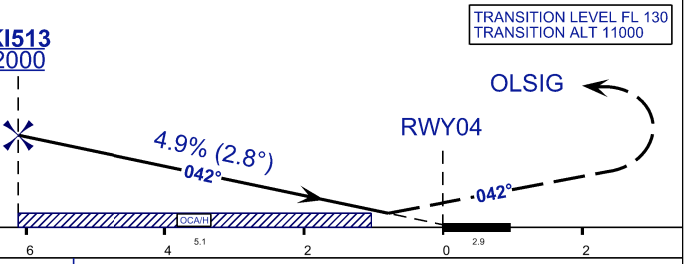
TCH 53
VPA 2.8°

MISSED APPROACH
CLIMB TO 6000FT OR ABOVE VIA RNP Z MISSED APCH TRACK TO OLSIG AND HOLD OR AS DIRECTED BY ATC

CAUTION
MISSED APPROACH SPEED
MAX 185 KIAS

THR ELEV 131

TRANSITION LEVEL FL 130
TRANSITION ALT 11000



STRAIGHT IN-APPROACH	OCA (H)	
CATEGORY OF AIRCRAFT	C	D
RNP 0.3	**488** (357)	
CIRCLING AND ALTERNATE N/A		

AUTHORIZATION REQUIRED

NOTES

1) APPROACH NOT AUTHORIZED WHEN AIRPORT TEMPRETURE BELOW 15°C OR ABOVE 40°C.
2) RF REQUIRED.
3) WMKI ALTIMETER SETTING REQUIRED.
4) GNSS REQUIRED.
5) PAPI AND VERTICAL PATH ANGLE NOT COINCIDENT.
6) RNP 0.30 FROM IAFS TO KI507.
7) RNP 0.50 FROM KI507 TO KI504

DISTANCE IN NM. BEARING ARE MAGNETIC. ELEVATION IN FEET AMSL.

NEW CHART

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 131 FT
HEIGHTS RELATED TO
THR RWY 04 - ELEV 131 FT

IPOH/SULTAN AZLAN SHAH (WMKI)

RNP Z RWY 04

TABULAR DESCRIPTION

DUDAD TRANSITION

SEQ	PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK/ DISTANCE OR COURSE/TIME	ARC DIRECTION	ALTITUDE (FT)	MAX IAS (KT)	VPA	RNP
010	IF	DUDAD	-	N	IAF	-	-	+6000	-	-	-
020	TF	MARDI	-	N	-	004°M / 5.3NM	-	+5000	-	-	0.3
030	TF	KI503	-	N	IF	347° M/15.6NM	L	+2400	-	-	0.3
040	RF	KI504	RKI01	N	-	1.0NM RF /0.95NM	R	+2200	-	-	0.3
050	TF	KI513	-	N	-	042°M / 0.7NM	-	@2000	@185	-	0.3

OLSIG TRANSITION

SEQ	PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK/ DISTANCE OR COURSE/TIME	ARC DIRECTION	ALTITUDE (FT)	MAX IAS (KT)	VPA	RNP
010	IF	OLSIG	-	N	IAF	-	-	+6000	-	-	-
020	TF	KI505	-	N	IF	182° M/12.1NM	-	+2500	-	-	0.3
030	RF	KI506	RKI02	N	-	2.5 NM RF / 6.1NM	L	+2200	@185	-	0.3
040	TF	KI513	-	N	-	042° M/1.0NM	-	@2000	@185	-	0.3

FINAL AND MISSED APPROACH

SEQ	PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK/ DISTANCE OR COURSE/TIME	ARC DIRECTION	ALTITUDE (FT)	MAX IAS (KT)	VPA	RNP
010	IF	KI513	-	N	FAF	-	-	@2000	@185	-	0.3
020	TF	RWY04	-	Y	LTP/FTP	042° M/6.1NM	-	+184	-	-2.80°	0.3
030	TF	KI507	-	N	-	042° M/1.9NM	-	+550	-	-	0.3
040	TF	KI508	-	N	-	009° M/11.2NM	L	+2200	-185	-	0.5
050	RF	OMGEP	RKI03	N	-	5.8 NM RF /18.7NM	L	+5000	-185	-	1.0
060	TF	OLSIG	-	Y	-	182° M / 4.2NM	-	+6000	-	-	1.0
070	HM	OLSIG	-	Y	-	188°/1 MIN	R	+6000	-230	-	1.0

CHANGES : IN TABULAR DISCRIPTION OLSIG TRANSITION, AMEND ALT +5000 FT TO READ AS +6000 FT.
IN TABULAR DISCRIPTION FINAL AND MISSED APPROACH,
AMEND TRACK DISTANCE : 5.9 NM RF/21.9 NM TO READ AS 5.8 NM RF/ 18.7 NM,
ARC DIRECTION SEQ 040 R TO READ AS L
ARC DIRECTION SEQ 050 - TO READ AS L.

WMKJ AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	Main Apron: Bay 1, 2, 3, 4 Surface: Concrete Strength: PCN 109 / R / D / W / T Bay 5, 6, 7 Surface: Asphalt Strength: PCN 70 / F / C / X / T Bay 8 Surface: Concrete Strength: PCN 80 / R / B / W / T Cargo Apron: Bay 21, 22, 23, 24, 25, 26 & 27 Surface: Concrete Strength: PCN 108 / R / D / W / T GA Apron Surface: Asphalt Strength: PCN 24 / F / C / X / T VVIP Apron Surface: Concrete Strength: PCN 79 / R / C / X / T
2	Taxiway width, surface and strength	TWY A, D, E, H, J Width: 23 M Surface: Asphalt Strength: PCN 70 / F / C / X / T TWY B, F Width: 23 M Surface: Asphalt Strength: PCN 86 / F / A / W / T TWY C, G Width: 23 M Surface: Asphalt Strength: PCN 111 / F / A / W / T TWY B1 Width: 21 M Surface: Asphalt Strength: PCN 50 / F / C / X / T Main Apron Taxiway Width: 59.1 M Surface: Concrete Strength: PCN 109 / R / C / W / T Cargo Apron Taxiway Width: 50 M Surface: Concrete Strength: PCN 108 / R / D / W / T
3	Altimeter checkpoint location and elevation	Location: Main Apron Elevation:38 M Location: Cargo Apron Elevation:39 M Location: VVIP Apron Elevation:39 M Location: GA Apron Elevation:40 M
4	VOR checkpoints	TWY B Holding point: 112.5 MHZ 162° 1.3 NM

5	INS checkpoints	Refer to WMKJ AD 2 - 3
6	Remarks	Separation distance between RWY and parallel TWY A is Code F compliance. Separation distance between parallel TWY A and Apron TWY is Code F compliance. Distance between RWY centre line to RWY holding position is Code F compliance. Unscheduled aircraft are to be parked at the Cargo aircraft parking apron except for VVIP aircraft. Light aircraft to be parked at GA Apron.

WMKJ AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Lead-in line at apron and stand designation marking - yellow Taxiing guidance signs at intersection with TWY and RWY and at RWY Holding positions. All parking stand marshaller assisted. Nose wheel guidance lines for all parking bays.
2	RWY and TWY markings and LGT	RWY Markings: Runway designation marking, Runway centre line marking, Threshold marking, Transverse stripe, Aiming point marking, Touchdown zone marking, Runway side stripe marking. RWY Lightings: Runway edge lights, Runway threshold lights & Runway end light. TWY Markings: Taxiway centre line marking, Runway turn pad marking, Runwayholding position marking, Intermediate holding position marking, VOR aerodrome checkpoint marking, Taxiway side stripe marking, Transverse stripe. TWY Lightings: Taxiway centre line lights, Taxiway edge lights.
3	Stop bars	NIL
4	Remarks	1. TWY B1 and GA APN edge lights not available. 2. Aiming point markings for RWY 16 begin approximately 48 M before PAPI and aiming point markings for RWY 34 begin approximately 55 M before PAPI.

WMKJ AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMKJOB001	Four Apron Floodlights Masts	NIL	HGT 120 FT	LGTD at night	Situated at Cargo Apron
WMKJOB002	Antenna	013102.8N 1035058.8E	HGT 622.4 FT (189.7 M).	Painted and LGTD.	NIL
WMKJOB003	Telecom TWR	013051.8N 1034353.8E	HGT 285.04 FT (86.88 M) AMSL.	Marked and LGTD.	At Taman Tampo Indah
WMKJOB004	Telecom TWR	013931.8N 1033647.9E	HGT 429.8 FT (131 M) AMSL.	Marked and LGTD.	At Bukit Kulai

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMKJOB005	Telecom TWR	014010.8N 1033310.9E	HGT 264.47 FT (80.61 M) AMSL.	Marked and LGTD.	NIL
WMKJOB006	Telecom TWR	013749.8N 1033829.9E	HGT 257.71 FT (78.55 M) AMSL.	Marked and LGTD.	At Lot 1883 Senai
WMKJOB007	Telecom TWR	013441.8N 1033851.9E	HGT 440 FT (134.11 M) AMSL.	Marked and LGTD	At UTM Skudai
WMKJOB008	Telecom TWR	013753.8N 1033942.9E	HGT 260 FT (79.25) AMSL.	Marked and LGTD	At Mukim Senai
WMKJOB009	Telecom TWR	013833.8N 1033916.9E	HGT 260 FT (79.25 M) AMSL.	Marked and LGTD	At Lot 381 Senai
WMKJOB010	Telecom TWR	013927.8N 1033556.9E	HGT 259 FT (76 M) AMSL.	Marked and LGTD	At JBA Kulai
WMKJOB011	Telecom TWR\	013815.8N 1033920.9E	HGT 260 FT (79.25 M) AMSL	Marked and LGTD.	At PTD 2694 Senai
WMKJOB012	Telecom TWR	013648.8N 1033849.9E	HGT 248 FT (75.45 M) AMSL.	Marked and LGTD.	NIL
WMKJOB013	Telecom TWR	013241.8N 1034214.8E	HGT 318 FT (96.93 M) AMSL.	Marked and LGTD.	NIL
WMKJOB014	Telecom TWR	013241.8N 1034214.8E	HGT 285 FT (86.86 M) AMSL.	Marked and LGTD.	NIL
WMKJOB015	Telecom TWR	014002.8N 1033608.9E	HGT 285 FT (86.86 M) AMSL.	Marked and LGTD.	NIL
WMKJOB016	Telecom TWR	013217.8N 1033726.9E	HGT 271 FT (82.58 M) AMSL.	Marked and LGTD.	At Taman University
WMKJOB017	Telecom TWR	014046.8N 1033407.9E	HGT 550 FT (152.4 M) AMSL.	Marked and LGTD.	NIL
WMKJOB018	Telecom TWR	013103.8N 1034337.8E	HGT 350 FT (106.7 M) AMSL.	Marked and LGTD.	NIL
WMKJOB019	Telecom TWR	014630.7N 1034927.8E	HGT 1231 FT (375.2 M) AMSL.	Marked and LGTD.	NIL
WMKJOB020	Telecom TWR	014905.7N 1025719.2E	HGT 506 FT (154.23 M) AMSL.	Marked and LGTD.	NIL
WMKJOB021	TelecomTWR	013737.8N 1033420.9E	HGT 408 FT (124.35 M) AMSL.	Marked and LGTD.	NIL
WMKJOB022	TelecomTWR	015305.7N 1031725.0E	HGT 581 FT (177.1 M) AMSL	Marked and LGTD.	NIL
WMKJOB023	Telecom TWR	022937.5N 1025137.2E	HGT 266 FT (81.08 M) AMSL.	Marked and LGTD	NIL
WMKJOB024	Telecom TWR	013938.8N 1033643.9E	HGT 300 FT (91.44 M) AMSL.	Marked and LGTD.	NIL
WMKJOB025	Telecom TWR 24 WMKJ	013213.8N 1034203.8E	HGT 250 FT (76.20 M) AMSL.	Marked and LGTD.	NIL
WMKJOB026	Telecom TWR	012658.8N 1035608.7E	HGT 370 FT (112.78) AMSL.	Marked and LGTD	NIL
WMKJOB027	Telecom TWR	012656.8N 1035537.7E	HGT 365.61 FT (111.44 M) AMSL.	Marked and LGTD.	At Pasir Gudang

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMKJOB028	Telecom TWR	020212.7N 1030412.1E	HGT 350 FT (106.6 M) AMSL.	Marked and LGTD.	At Lot 480 Tanjong Sembrong, Yong Peng
WMKJOB029	Telecom TWR	015701.7N 1025756.2E	HGT 570 FT (173.74 M) AMSL.	Marked and LGTD.	AT Lot 6084, Bukit Belah, Sri Medan
WMKJOB030	Telecom TWR	022204.6N 1023627.3E	HGT 391 FT.	Marked and LGTD.	At Gunung Ledang
WMKJOB031	Telecom TWR	012959.8N 1034326.8E	HGT 100 FT	Marked and LGTD.	At Tampoi
WMKJOB032	Telecom TWR	013035.8N 1034351.8E	HGT 120 FT	Marked and LGTD.	At Jalan Tampoi
WMKJOB033	Telecom TWR	013222.8N 1034707.8E	HGT 120 FT	Marked and LGTD.	At Pandan
WMKJOB034	Telecom TWR	021427.6N 1023205.4E	HGT 420 FT	Marked and LGTD.	At Tangkak
WMKJOB035	Telecom TWR	012818.8N 1034053.9E	HGT 240 FT	Marked and LGTD.	At Pasir Gudang
WMKJOB036	Telecom TWR	012818.8N 1034053.9E	HGT 340 FT	Marked and LGTD.	At Kangkar, Senangkar
WMKJOB037	Telecom TWR	015925.7N 1031516.0E	HGT 396 FT	Marked and LGTD.	At Sri Lalang
WMKJOB038	TWR	020618.6N 1032343.0E	HGT 322 FT AMSL	Marked and LGTD.	Erected at Kg Gajah
WMKJOB039	TWR	015431.7N 1024352.3E	HGT 204 FT AMSL	Marked and LGTD.	Erected at Gersik
WMKJOB040	TWR	020340.7N 1032343.0E	HGT 378 FT AMSL	Marked and LGTD.	Erected at Kangkar Baru
WMKJOB041	TWR	020522.6N 1030251.1E	HGT 293 FT AMSL.	Marked and LGTD.	Erected at Lam Lee
WMKJOB042	TWR	013819.8N 1033523.9E	HGT 500 FT AMSL	Marked and LGTD.	Erected at Kulai
WMKJOB043	TWR	013838.8N 1033336.9E	HGT 350 FT AMSL	Marked and LGTD.	Erected at Tol Kulai
WMKJOB044	TWR	015925.7N 1031516.0E	HGT 298 FT AMSL	Marked and LGTD.	Erected at Air Hitam
WMKJOB045	TWR	015151.7N 1030628.1E	HGT 193 FT AMSL	Marked and LGTD.	Erected at Pasir Raja
WMKJOB046	TWR	020109.7N 1030256.1E	HGT 290 FT AMSL.	Marked and LGTD.	Erected at Yong Peng
WMKJOB047	TWR	020305.7N 1032202.2E	HGT 650 FT AMSL.	Marked and LGTD.	Erected at Sembrong
WMKJOB048	TWR	020158.7N 1031854.0E	HGT 349 FT AMSL.	Marked and LGTD.	Erected at Kluang
WMKJOB049	TWR	022559.6N 1032003.0E	HGT 238 FT AMSL	Marked and LGTD.	Erected at Jalan Mersing
WMKJOB050	TWR	010339.9N 1032148.0E	HGT 231 FT AMSL	Marked and LGTD.	Erected at Kg Baru, Kluang

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMKJOB051	TWR	015929.7N 1031839.0E	HGT 178 FT AMSL	Marked and LGTD	Erected at Lot 37173, Mukim, Kluang
WMKJOB052	TWR	015929.7N 1031543.0E	HGT 374 FT AMSL	Marked and LGTD	Erected at Kluang Barat
WMKJOB053	TWR	015931.7N 1031544.0E	HGT 117 FT AMSL	Marked and LGTD	Erected at Kg Mic, Kluang
WMKJOB054	TWR	015459.7N 1031103.0E	HGT 196 FT AMSL	Marked and LGTD	Erected at Jalan Air Hitam
WMKJOB055	TWR	015834.7N 1030634.1E	HGT 240 FT AMSL	Marked and LGTD	Erected at Batu 6, Yong Peng
WMKJOB056	TWR	020212.7N 1030409.1E	HGT 350 FT AMSL	Marked and LGTD	Erected at TG. Sembrong, Yong Peng
WMKJOB057	TWR	013729.9N 1034123.8E	HGT 203 FT AMSL	Marked and LGTD.	Erected at Seelong
WMKJOB058	TWR	012709.8N 1035318.8E	HGT 300 FT	LGTD at night.	Erected at Pasir Gudang
WMKJOB059	Several TWR	014156.8N 1033920.9E	Highest HGT 362 FT MSL.	MSL. LGTD at night.	Erected crossing APCH PATH/BASE RWY 16
WMKJOB060	Transmission TWR	014058N 1034200E	HGT 298.77 FT (91.1 M) AMSL.	Marked and LGTD.	NIL
WMKJOB061	Transmission TWR	014054N 1034153E	HGT 276.74 FT (84.4 M) AMSL.	Marked and LGTD.	NIL
WMKJOB062	Transmission TWR	014046N 1034142E	HGT 301.67 FT (91.9 M) AMSL.	Marked and LGTD.	NIL
WMKJOB063	Transmission TWR	014041N 1034135E	HGT 271.16 FT (82.6 M) AMSL.	Marked and LGTD.	NIL
WMKJOB064	Transmission TWR	014035N 1034123E	HGT 271.65 FT (82.8 M) AMSL.	Marked and LGTD.	NIL
WMKJOB065	Transmission TWR	014031N 1034116E	HGT 274.77 FT (83.7 M) AMSL.	Marked and LGTD.	NIL
WMKJOB066	Transmission TWR	014026N 1034109E	HGT 260.50 FT (79.4 M) AMSL.	Marked and LGTD.	NIL
WMKJOB067	Transmission TWR	014022N 1034101E	HGT 289.53 FT (88.2 M) AMSL	Marked and LGTD.	NIL
WMKJOB068	Transmission TWR	014017N 1034055E	HGT 283.30 FT (86.3 M) AMSL	Marked and LGTD	NIL
WMKJOB069	Transmission TWR	014021N 1034051E	HGT 340.71 FT (103.8 M) AMSL.	Marked and LGTD.	NIL
WMKJOB070	Transmission TWR	014026N 1034046E	HGT 352.19 FT (107.3 M) AMSL.	Marked and LGTD.	NIL
WMKJOB071	Transmission TWR	014031N 1034041E	HGT 370.57 FT (112.9 M) AMSL.	Marked and LGTD.	NIL
WMKJOB072	Transmission TWR	014040N 1034031E	HGT 370.24 FT (112.9 M) AMSL.	Marked and LGTD.	NIL
WMKJOB073	Transmission TWR	014049N 1034023E	HGT 338.25 FT (103.1 M) AMSL.	Marked and LGTD.	NIL

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMKJOB074	Transmission TWR	014056N 1034017E	HGT 325.29 FT (99.1 M) AMSL.	Marked and LGTD.	NIL
WMKJOB075	Transmission TWR	014100N 1034012E	HGT 302.33 FT (91.6 M) AMSL.	Marked and LGTD.	NIL
WMKJOB076	Transmission TWR	014108N 1034005E	HGT 283.63 FT (85.9 M) AMSL.	Marked and LGTD.	NIL
WMKJOB077	Transmission TWR	014114N 1034000E	HGT 301.34 FT (91.3 M) AMSL.	Marked and LGTD.	NIL
WMKJOB078	Transmission TWR	014119N 1033955E	HGT 305.94 FT (92.7 M) AMSL.	Marked and LGTD.	NIL
WMKJOB079	Transmission TWR	014128N 1033947E	HGT 276.74 FT (83.9 M) AMSL.	Marked and LGTD.	NIL
WMKJOB080	Transmission TWR	014133N 1033943E	HGT 302.33 FT (91.6 M) AMSL.	Marked and LGTD.	NIL
WMKJOB081	Transmission TWR	014139N 1033937E	HGT 260.66 FT (78.9 M) AMSL.	Marked and LGTD.	NIL
WMKJOB082	Transmission TWR	014147N 1033930E	HGT 274.11 FT (83.1 M) AMSL.	Marked and LGTD.	NIL
WMKJOB083	Transmission TWR	014156N 1033921E	HGT 322.50 FT (97.7 M) AMSL.	Marked and LGTD.	NIL
WMKJOB084	Transmission TWR	014201N 1033915E	HGT 303.31 FT (91.1 M) AMSL.	Marked and LGTD.	NIL
WMKJOB085	Transmission TWR	014204N 1033908E	HGT 325.95 FT (98.7 M) AMSL.	Marked and LGTD.	NIL
WMKJOB086	Transmission TWR	014156N 1033902E	HGT 327.59 FT (99.2 M) AMSL.	Marked and LGTD.	NIL
WMKJOB087	Transmission TWR	014156N 1033853E	HGT 323.82 FT (98.1 M) AMSL.	Marked and LGTD.	NIL
WMKJOB088	Transmission TWR	014153N 1033842E	HGT 331.68 FT (100.5 M) AMSL.	Marked and LGTD.	NIL
WMKJOB089	Transmission TWR	014100N 1033831E	HGT 322.35 FT (97.6 M) AMSL.	Marked and LGTD.	NIL
WMKJOB090	Transmission TWR	014207N 1033820E	HGT 301.50 FT (91.3 M) AMSL.	Marked and LGTD.	NIL
WMKJOB091	Transmission TWR	014214N 1033809E	HGT 290.30 FT (87.9 M) AMSL.	Marked and LGTD.	NIL
WMKJOB092	Transmission TWR	014219N 1033802E	HGT 322.93 FT (97.8 M) AMSL.	Marked and LGTD.	NIL
WMKJOB093	Transmission TWR	014221N 1033754E	HGT 289.52 FT (87.7 M) AMSL.	Marked and LGTD.	NIL

WMKJ AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMS SENAI
2	Hours of service MET Office outside hours	H24

3	Office responsible for TAF preparation Periods of validity	AMO KLIA H24 (0024 0606 1212 1818)
4	Trend forecast Interval of issuance	-
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and consultation but charts available upon request
8	Supplementary equipment available for providing information	Aviation Self-Briefing Terminal - ABT (Internet)
9	ATS units provided with information	Johor Bahru APP/TWR
10	Additional information (limitation of service, etc.)	TEL: +607 - 5982802 Telefax:+607 - 5982801

WMKJ AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
16	159.88° T	3800 x 45	PCN 70 / F / C / X / T Asphalt / Flexible	THR coordinates 013919.83N 1033950.29E RWY end coordinates 013723.68N 1034032.51E GUND +7.9 M	THR elevation: 41.0 M (134.5 FT) TDZ elevation: 40.0 M (131.3 FT)
34	339.87° T	3800 x 45	PCN 70 / F / C / X / T Asphalt / Flexible	THR coordinates 013723.73N 1034032.56E RWY end coordinates 013919.75N 1033950.18E GUND +8 M	THR elevation: 37 M (121 FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
0.12%	NIL	NIL	3920 x 300	Provided	Locked wheel turn is not allowed on the RWY.
0.12%	NIL	NIL	3920 x 300	Provided	RESA : RWY 16 - 240M X 90M RWY 34 - 240M X 90M RWY width: 45M with 15M shoulders on either side.

WMKJ AD 2.13 DECLARED DISTANCES

RWY DESIGNATOR	FROM	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6	7
16	THRESHOLD	3800	3800	3800	3800	NIL
	TWY B	2336	2336	2336	-	NIL
34	THRESHOLD	3800	3800	3800	3800	NIL
	TWY C	2120	2120	2120	-	NIL
	TWY D	2194	2194	2194	-	NIL
	TWY E	3293	3293	3293	-	NIL

WMKJ AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
16	CAT1 900 M LIH	Green	PAPI LEFT 3° 17.9 M / 59.0 FT	NIL	NIL	3800, 60 M White: 0 - 3143 M Yellow: 3200 - 3800 M LIH	Red	NIL	NIL
34	SALS 420M LIH	Green	PAPI RIGHT/ 3° 17.9 M / 59.0 FT	NIL	NIL	3800, 60 M White: White: 0 - 3143 M Yellow:3200 - 3800 M LIH	Red	NIL	NIL

WMKJ AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	LDI: NIL WDI: Illuminated Wind Direction Indicator (IWDI) RWY 16 - Left of THR and lighted. RWY 34 - Left of THR and lighted.
3	TWY edge and centre line lighting	Edge: At all TWY and aprons except TWY B1 and GA Apron. Colour: Blue Centre line: At all TWY curves. Colour: Green
4	Secondary power supply/switch-over time	Automatic standby generator available for airfield lighting and telecommunications. Max switch-over time - less than 15 seconds.
5	Remarks	NIL

WMKJ AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL

3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WMKJ AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	JOHOR BAHRU CTR 012730N 1034354E, 013530N 1033554E, 014130N 1033254E then clockwise around the arc of a circle of radius 5 NM centred on 014400N 1033724E to 014620N 1034134E, 014000N 1034454E, 012830N 1034754E then along the national boundary to 012730N 1034354E.
2	Vertical limits	SFC to 3000 FT ALT
3	Airspace classification	C
4	ATS unit call sign Language(s)	Johor Radar during approach radar service provision. Johor Tower during approach procedural service provision. English
5.	Designation and lateral limits	JOHOR BAHRU TMA Area bounded by 013022N 1033437E, 014404N 1031507E, thence along the arc of 25 NM radius centred of VJB, thence along western boundary of B469,thence along northern boundary W401 to 013022N 1033437E
6.	Vertical limits	1 500 FT ALT to FL 245
7.	Airspace classification	C
8.	Unit Providing Service	Johor Radar / Johor Tower 1 500 FT ALT to 6 000 FT ALT Lumpur ACC / Singapore ACC 7 000 FT ALT to FL 245
9.	Transition altitude	11000 FT ALT
10.	Remarks	NIL

WMKJ AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
SMC	JOHOR GROUND	121.8MHZ	22:30 - 16:00	-
TWR	JOHOR TOWER	118.15MHZ		Between hours from 16:00 - 22:30 UTC, all Johor airspace release to Lumpur Radar. Aircraft to contact Lumpur Radar on 123.75 MHZ (PRI) or 132.75 MHZ (SRY)
APP	JOHOR RADAR	124.7MHZ (P) 121.05MHZ (S)	23:30 - 13:30	Radar service available from 2330 - 1330 UTC daily Johor Tower shall be responsible for the provision of Air Traffic Services outside the above operation hours
ATIS	JOHOR TERMINAL INFORMATION	123.05MHZ	22:30 - 16:00	-

WMKJ AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
RWY 16						
ILS/LOC	IJB	109.9MHZ	H24	013714.8N 1034035.8E	-	Hgt of aerial 3.2M. Back beam not flyable
GP/DME		333.8MHZ CH 36X		013909.7N 1033958.1E	-	Hgt of aerial 14.5M.Glide slope 3°.
NDB	JR	245KHZ		014024.55N 1033927.84E	-	168° MAG / 1.2NM from THR RWY 16.
VOR/DME	VJB	112.5MHZ CH 72X		013950.40N 1033939.20E	43.07M	1000M from THR RWY 16.

WMKJ AD 2.20 LOCAL TRAFFIC REGULATIONS

2.20.1 Aircraft Bay Regulation At Cargo Apron

2.20.1.1 Bay 21

This bay is to accommodate up to A21N with wingspan not more than 35.80 M.

2.20.1.2 Bay 22

This bay is to accommodate up to A21N with wingspan not more than 35.80 M.

2.20.1.3 Bay 23

This bay is to accommodate up to B744 aircraft with wingspan not more than 64.4 M.

2.20.1.4 Bay 24-27

This bay is to accommodate up to A21N with wingspan not more than 35.80 M.

2.20.1.5 All aircrafts park at Bay 21 to 27 are power in, push-out mode.

2.20.1.6 Aircrafts from Bay 21 to 24 shall be pushed back with aircraft facing to the south. For Bay 25, 26 and 27 all aircraft shall be pushed back with aircraft facing to the east.

2.20.1.7 The pilot in-command and aircraft marshaller shall be responsible for the safety of the aircraft with respect to all other aircraft, vehicles, persons and other obstruction during engine start-up power-out and taxiing, and also ensuring appropriate blast zones are clear during engine start-up.

2.20.1.8 For the long layover aircraft, parking at bay mentioned above may be allowed for discharging cargo, thereafter to be towed to designated area at the south of apron.

2.20.1.9 All aircraft are required to bring own tow-bar except for B737, B727, B777, B747, B767, MD-11, DC-10, IL96, L-1011, DC-8, AN-12, A340-200, A330-200/300, A310 and A300.

2.20.2 Parking Area For General Aviation Aircraft

2.20.2.1 Parking area for General Aviation aircraft will be allocated by Ground Handling Division, Senai Airport Terminal Services (SATS). The stands will be allocated at the new General Aviation parking area located to the west of the Cargo Apron.

2.20.2.2 Taxiway B1 and GA Apron for day operations only.

2.20.3 Helicopter operations

2.20.3.1 All helicopter operations shall land at, and take-off from the runway, and

i. Use TWY C/G if going to or/and going out from Passenger Apron.
ii. Use TWY B/F if going to or/and going out from Cargo Apron.

2.20.3.2 Pilots in command shall call the Surface Movement Control frequency (121.8 MHz) for taxi/air taxi from parking positions to the respective taxiway, prior to commencing movement. The take-off clearance will be provided by Aerodrome Control (118.15MHz) and may be accompanied by an initial tracking clearance to resolve aerodrome traffic conflicts.

2.20.3.3 Pilots in command of arriving helicopters will be issued with tracking instructions to avoid aerodrome traffic conflictions and clearance to land on the respective taxiway.

2.20.3.4 After landing at the respective taxiway, the pilot-in command will be issued with a parking position. The pilot-in-command shall taxi/air taxi the aircraft to the parking position.

2.20.3.5 ATC may consider direct tracking to land or take-off via North of Cargo Terminal from Cargo Apron if traffic permitted.

2.20.4 Local Flying Restrictions

2.20.4.1 Circuit Pattern

a) Heavy 1500FT/2000FT on QNH
b) Light/Medium 1000FT on QNH

2.20.4.2 Circuit Pattern

a) RWY 16 LEFT-HAND circuit
b) RWY 34 RIGHT-HAND circuit

2.20.4.3 Standard Circuit Joining Procedure

a) From eastern side

i. Descend over east of airfield to circuit altitude
ii. Position accordingly into traffic pattern at downwind when cleared by ATC
iii. Pilots shall be responsible for maintaining their own separation

b) From western site:

i. Proceed west of airfield 1000FT or as instructed by ATC via west of North-South highway.
ii. Hold at west of the airfield.
iii. Position accordingly into the traffic pattern at right hand downwind RWY 16 or as instructed by ATC.
iv. Pilot shall be responsible for maintaining their own separation.

2.20.4.4 Night Flying Circuit and Training Procedures

2.20.4.4.1 All night flying circuit and training procedures in WMKJ are subject to the following conditions:

i. in VMC conditions;
ii. Pilot is IFR rated;
iii. Aircraft type are IFR certified;
iv. Circuits are permitted within aerodrome operation hours however; instrument training are premitted within Johor Radar operation hours; and
v. Circuit availability is subject to the approval from CAAM Manager Johor Bahru for foreign aircraft and the slot allocation is from Johor Tower.

2.20.5 Isolation Bay

2.20.5.1 Isolation Parking Area is located at the intersection of Taxiway A and E.

2.20.6 Parking Area For Schedule/Non-schedule Passenger Aircraft

2.20.6.1 Under normal circumstances, all Passenger Aircraft either schedule or non-schedule will be issued a parking position at Bay 1 to Bay 8 of Main Apron.

2.20.6.2 To optimize the utilization of passenger Loading Bridges at Gates 1 to 4, aircraft parked at these stands and experienced technical difficulties and delay is expected to be more than 60 minutes of ETD (other than emergency) shall have to move to the remote bay.

2.20.6.3 All aircraft type A320, B737 and ATR-72 must parked at PIPO marking when parked at Bay 2A, 3A, 4A, 5, 6, 7. Upon entering apron, pilot in command shall look out for aircraft marshallers to guide the aircraft to the assigned aircraft parking stand. The pilot in command and the marshallers shall be responsible for the safety of the aircraft with respect to all other aircraft, vehicles, persons and other obstructions on the apron during docking, engine start up and taxing.

2.20.6.4 All aircraft type A320 and ATR-72 must parked at Bay 5A, 6A, 6B & 7A. Upon entering apron, pilot in command shall look out for aircraft marshallers to guide the aircraft to the assigned aircraft parking stand. The pilot in command and the marshallers shall be responsible for the safety of the aircraft with respect to all other aircrafts, vehicles, persons and other obstructions on the apron during docking, engine start up and taxing

2.20.6.5 Diversion flight shall park at cargo apron.

WMKJ AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WMKJ AD 2.22 FLIGHT PROCEDURES

2.22.1 DME Arrival Procedures For Johor Bahru / Senai International Airport.

RADIAL/TRACK	NAVAID	DME CHECK POINT	MNM IFR ALTITUDE	AFTER Passing ..... DME/VJB DESCEND to ..... FT on QNH	REMARKS
R-275/095°	VJB	Not Required	5000FT	14 ↓ 3500	From overhead VJB VOR make Standard Instrument Approach or as directed by ATC. Note: Level restriction to cross 25 DME VJB North 6000FT or below for arrivals on W534, A457 and R325.
R-297/117°	VJB	Not Required	5000FT	8 ↓ 3500	
R-016/196°	VJB	Not Required	6000FT	20 ↓ 5000 8 ↓ 3500	
R-319/139°	VJB	Not Required	6000FT	20 ↓ 5000 8 ↓ 3500	

WMKJ AD 2.23 ADDITIONAL INFORMATION

2.23.1 Bird Concentration In The Vicinity Of The Airport

2.23.1.1 Presence of birds on runway and grass area. Pilots to exercise caution while landing and take-off.

2.23.2 Ununiform gap of RWY centre line markings.

2.23.2.1 Ununiform gap of RWY centre line markings at the extended portion of RWY 34 approximately 500 M.

2.23.3 Overload Operation

2.23.3.1 Prior approval from Senai Airport Terminal Services Sdn. Bhd. required for aircraft operation with ACN higher than runway PCN 77.

WMKJ AD 2.24 CHARTS RELATED TO AN AERODROME

Chart name	Page
AERODROME HELIPORT CHART (WMKJ) - ICAO	AD 2-WMKJ-2-1
AIRCRAFT PARKING/DOCKING CHART (WMKJ) - ICAO	AD 2-WMKJ-2-3
AERODROME GROUND MOVEMENT CHART (WMKJ) - ICAO	AD 2-WMKJ-2-5
AERODROME OBSTACLE CHART - ICAO - TYPE A	AD 2-WMKJ-3-1
JOHOR BAHRU TMA, CTR AND HOLDING AREAS	AD 2-WMKJ-4-1
ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO	AD 2-WMKJ-4-3
STANDARD DEPARTURE CHART - ICAO - RWY 16/34 RADAR TWO DEPARTURE	AD 2-WMKJ-6-1
STANDARD DEPARTURE CHART - ICAO - RWY 16 RNAV AROSO 1J ADLOV 1J PIMOK 1J SABKA 1J	AD 2-WMKJ-6-3
STANDARD DEPARTURE CHART - ICAO - RWY 16 RNAV AROSO 1J ADLOV 1J PIMOK 1J SABKA 1J (TABULAR 1)	AD 2-WMKJ-6-4
STANDARD DEPARTURE CHART - ICAO - RWY 16 RNAV AROSO 1J ADLOV 1J PIMOK 1J SABKA 1J (TABULAR 2)	AD 2-WMKJ-6-5
STANDARD DEPARTURE CHART - ICAO - RWY 16 RNAV AROSO 2J ADLOV 2J SABKA 2J OMKOM 2J	AD 2-WMKJ-6-7
STANDARD DEPARTURE CHART - ICAO - RWY 16 RNAV AROSO 2J ADLOV 2J SABKA 2J OMKOM 2J (TABULAR 1)	AD 2-WMKJ-6-8
STANDARD DEPARTURE CHART - ICAO - RWY 16 RNAV AROSO 2J ADLOV 2J SABKA 2J OMKOM 2J (TABULAR 2)	AD 2-WMKJ-6-9
STANDARD DEPARTURE CHART - ICAO - RWY 34 RNAV AROSO 1K ADLOV 1K PIMOK 1K OMKOM 1K SABKA 1K	AD 2-WMKJ-6-11
STANDARD DEPARTURE CHART - ICAO - RWY 34 RNAV AROSO 1K ADLOV 1K PIMOK 1K OMKOM 1K SABKA 1K (TABULAR 1)	AD 2-WMKJ-6-12
STANDARD DEPARTURE CHART - ICAO - RWY 34 RNAV AROSO 1K ADLOV 1K PIMOK 1K OMKOM 1K SABKA 1K (TABULAR 2)	AD 2-WMKJ-6-13
STANDARD DEPARTURE CHART - ICAO - RWY 16 AROSO 1L SABKA 1L PIMOK 1L	AD 2-WMKJ-6-15
STANDARD DEPARTURE CHART - ICAO - RWY 16 AROSO 1L SABKA 1L PIMOK 1L(TABULAR 1)	AD 2-WMKJ-6-16
STANDARD DEPARTURE CHART - ICAO - RWY 16 AROSO 2L ADLOV 2L OMKOM 2L	AD 2-WMKJ-6-17
STANDARD DEPARTURE CHART - ICAO - RWY 16 AROSO 2L ADLOV 2L OMKOM 2L (TABULAR 1)	AD 2-WMKJ-6-18
STANDARD DEPARTURE CHART - ICAO - RWY 34 AROSO 1M ADLOV 1M OMKOM 1M PIMOK 1M SABKA 1M	AD 2-WMKJ-6-19
STANDARD DEPARTURE CHART - ICAO - RWY 34 AROSO 1M ADLOV 1M OMKOM 1M PIMOK 1M SABKA 1M (TABULAR 1)	AD 2-WMKJ-6-20
STANDARD ARRIVAL CHART - ICAO - RWY 16 RNAV EMTUV 1E OMKOM 1E PIMOK 1E ADLOV 1E	AD 2-WMKJ-7-1
STANDARD ARRIVAL CHART - ICAO - RWY 16 RNAV EMTUV 1E OMKOM 1E PIMOK 1E ADLOV 1E (TABULAR 1)	AD 2-WMKJ-7-2
STANDARD ARRIVAL CHART - ICAO - RWY 16 RNAV EMTUV 1E OMKOM 1E PIMOK 1E ADLOV 1E (TABULAR 2)	AD 2-WMKJ-7-3
STANDARD ARRIVAL CHART - ICAO - RWY 16 ARRIVAL (11 DME ARC) EMTUV 1G OMKOM 1G PIMOK 1G ADLOV 1G	AD 2-WMKJ-7-5
STANDARD ARRIVAL CHART - ICAO - RWY 16 ARRIVAL (11 DME ARC) ADLOV 1G OMKOM 1G PIMOK 1G EMTUV 1G (TABULAR 1)	AD 2-WMKJ-7-6
INSTRUMENT APPROACH CHART - ICAO - RWY 16 ILS Z OR LOC Z	AD 2-WMKJ-8-1
INSTRUMENT APPROACH CHART - ICAO - RWY 16 ILS Z OR LOC Z (TABULAR 1)	AD 2-WMKJ-8-2
INSTRUMENT APPROACH CHART - ICAO - RWY 16 ILS Y OR LOC Y	AD 2-WMKJ-8-3
INSTRUMENT APPROACH CHART - ICAO - RWY 16 ILS Y OR LOC Y (TABULAR 1)	AD 2-WMKJ-8-4
INSTRUMENT APPROACH CHART - ICAO - RWY 16 ILS X OR LOC X	AD 2-WMKJ-8-5
INSTRUMENT APPROACH CHART - ICAO - RWY 16 ILS X OR LOC X (TABULAR 1)	AD 2-WMKJ-8-6
INSTRUMENT APPROACH CHART - ICAO - RWY 16 ILS W OR LOC W	AD 2-WMKJ-8-7
INSTRUMENT APPROACH CHART - ICAO - RWY 16 ILS W OR LOC W (TABULAR 1)	AD 2-WMKJ-8-8
INSTRUMENT APPROACH CHART - ICAO - RWY 16 VOR Z	AD 2-WMKJ-8-9
INSTRUMENT APPROACH CHART - ICAO - RWY 16 VOR Z (TABULAR 1)	AD 2-WMKJ-8-10
INSTRUMENT APPROACH CHART - ICAO - RWY 16 VOR Y	AD 2-WMKJ-8-11
INSTRUMENT APPROACH CHART - ICAO - RWY 16 VOR Y (TABULAR 1)	AD 2-WMKJ-8-12
INSTRUMENT APPROACH CHART - ICAO - RWY 16 VOR X	AD 2-WMKJ-8-13
INSTRUMENT APPROACH CHART - ICAO - RWY 16 VOR X (TABULAR 1)	AD 2-WMKJ-8-14
INSTRUMENT APPROACH CHART - ICAO - RWY 16 VOR W	AD 2-WMKJ-8-15
INSTRUMENT APPROACH CHART - ICAO - RWY 16 VOR W (TABULAR 1)	AD 2-WMKJ-8-16
INSTRUMENT APPROACH CHART - ICAO - RWY 16 RNP Y	AD 2-WMKJ-8-17
INSTRUMENT APPROACH CHART - ICAO - RWY 16 RNP Y (TABULAR 1)	AD 2-WMKJ-8-18

Chart name	Page
INSTRUMENT APPROACH CHART - ICAO - RWY 16 RNP Y (TABULAR 2)	AD 2-WMKJ-8-19
INSTRUMENT APPROACH CHART - ICAO - RWY 16 RNP X	AD 2-WMKJ-8-21
INSTRUMENT APPROACH CHART - ICAO - RWY 16 RNP X (TABULAR 1)	AD 2-WMKJ-8-22
INSTRUMENT APPROACH CHART - ICAO - RWY 16 RNP X (TABULAR 2)	AD 2-WMKJ-8-23
INSTRUMENT APPROACH CHART - ICAO - RWY 16 RNP Z (AR)	AD 2-WMKJ-8-25
INSTRUMENT APPROACH CHART - ICAO - RWY 16 RNP Z (AR) (TABULAR 1)	AD 2-WMKJ-8-26
INSTRUMENT APPROACH CHART - ICAO - RWY 16 RNP Z (AR) (TABULAR 2)	AD 2-WMKJ-8-27
INSTRUMENT APPROACH CHART - ICAO - RWY 34 RNP Z (AR)	AD 2-WMKJ-8-29
INSTRUMENT APPROACH CHART - ICAO - RWY 34 RNP Z (AR) (TABULAR 1)	AD 2-WMKJ-8-30
INSTRUMENT APPROACH CHART - ICAO - RWY 34 RNP Z (AR) (TABULAR 2)	AD 2-WMKJ-8-31

WMKK AD 2.1 AERODROME LOCATION INDICATOR AND NAME

WMKK - KL INTERNATIONAL / SEPANG

WMKK AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	024436N 1014153E Site: RWY 14R threshold centerline
2	Direction and distance from (city)	Bearing 180° 45' 12"/ 45 KM from Kuala Lumpur.
3	Elevation/Reference temperature	21 M (69FT) / 32° C
4	Geoid undulation at AD ELEV PSN	-2 M
5	MAG VAR/Annual change	0° West (2024) / 0° 1' 17" W decreasing
6	AD operator, address, telephone, telefax, e-mail address, AFS and website address	Operator: MALAYSIA AIRPORTS (SEPANG) SDN. BHD. 4th Floor, Airport Management Centre, KL International Airport, 64000 KLIA, Sepang, Selangor Darul Ehsan, Malaysia TEL:+603 - 87769999 Telefax:+603 - 89265012 Http:www.malaysiaairports.com.my e-mail:aocaodm@malaysiaairports.com.my ATC Services: Civil Aviation Authority of Malaysia, Air Traffic Control Tower Complex, KL International Airport, 64000 KLIA Sepang Selangor Darul Ehsan Malaysia TEL: +603 - 87784000 (General Office) +603 - 87784080 (ATC Tower East) +603 - 87784183 (ATC Tower West) +603 - 87784100 +603 - 87784101 (NOF and ARO) Telefax:+603 - 87784011 (General Office) +603 - 87784022 (ATC Tower) +603 - 87784104 (NOF and ARO) AFS: WMKKZTZX
7	Types of traffic permitted (IFR/VFR)	IFR category: Approved international and domestic flights. VFR category: Approved helicopter operations.
8	Remarks	NIL

WMKK AD 2.3 OPERATIONAL HOURS

1	AD Operator	H24
2	Customs and immigration	H24
3	Health and sanitation	H24
4	AIS Briefing Office	H24
5	ATS Reporting Office (ARO)	H24
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	PETRONAS Refuelling :H24 SHELL Refuelling :H24 PETRON Aviation Refuelling :H24
9	Handling	Prior arrangement.

10	Security	H24
11	De-icing	NIL
12	Remarks	NIL

WMKK AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Cargo terminals equipped with storage stacker, material and pallet container handling systems, animal hotel, computerized cargo information, data and documentation systems. By arrangement with airlines.
2	Fuel/oil types	Jet A1, AVGAS
3	Fuelling facilities/capacity	Hydrant refuelling
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	(a) Malaysia Airlines Berhad Hangar 5 : (2 x B737 and 2 x B747) (b) Malaysia Airlines Berhad Hangar 6 : (2 x A380) (c) SAE Hangar 01 : (2 x A330 or 4 x A320 or 4 x B737) (d) SAE Hangar 02 : (3 x A320 or 4 x ATR) (e) ADE Hangar A : (2 x A330 or 6 x A320 / A321) (f) ADE Hangar B : (8 x A320/A321)
6	Repair facilities for visiting aircraft	Commercial aircraft up to and including Code F Aircraft.
7	Remarks	Handling services available H24 & by prior arrangement with the aerodrome administration.

WMKK AD 2.5 PASSENGER FACILITIES

1	Hotels	At the airport and in the City.
2	Restaurants	At the airport and in the City.
3	Transportation	Trains, buses, taxis and car for hire from the Airport.
4	Medical facilities	First aid at the Airport. Hospitals in the City
5	Bank and Post Office	At Airport. Open within Airport HR.
6	Tourist Office	At the Terminal Building.
7	Remarks	NIL

WMKK AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 10
2	Rescue equipment	Adequately provided as recommended by ICAO.
3	Capability for removal of disabled aircraft	Lifting bags and hydraulic jacks AVBL up to and including B747- 400.
4	Remarks	a) All Airport Fire & Rescue Service (AFRS) personnel are trained in rescue and fire-fighting as well medical first-aid. b) AFRS response time to the following area is not exceeding 4.5 minutes: i. Aircraft Stand J1-J17. ii. TWY U1. iii. TWY U2.

WMKK AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	NIL
2	Clearance priorities	NIL
3	Remarks	NIL

WMKK AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1a	Apron surface and strength (WI the areas of RWY 14L/32R and 14R/32L)	**Bay** A14R Surface : Concrete (Rigid) Strength : PCR 396 / R / C / W / U	**Bay** B3 Surface : Concrete (Rigid) Strength : PCR 563 / R / C / W / U
		Bay A2L, A2R, A4L, A4R, A6L, A6R, A8L, A8R, A10L, A10R, A14L, A13, B13, B15, B17, B19, B21, B23, B2L, B2R, B4L, B4R, B6L, B6R, B8L, B8R, B10L, B10R, B14L, B14R, B16L, B16R, C62 Surface : Concrete (Rigid) Strength : PCR 571 / R / C / W / U	**Bay** A12 Surface : Concrete (Rigid) Strength : PCR 594 / R / C / W / U
		Bay A51L, A51R, A52L, A52R, A53L, A53R, A54L, A54R, A3, A5, A7, A9, A11, B5, B7, B9, B11, B62L, B62R, B63L, B63R, B51L, B51R, B52L, B52R, B53L, B53R, B54L, B54R, C38, C51, C52L, C52R, C18, C21, C72L, C72R, C73L, C73R, C74L, C74R, C81, C82L, C82R, F8L, F8R, F9L, F9R, F10L, F10R, F11L, F11R, F1L, F1R, F2L, F2R, F3L, F3R, F4L, F4R, F5L, F5R, F6L, F6R, F7L, F7R, F21L, F21R, F22L, F22R, F23L, F23R, F24L, F24R, F25L, F25R, F26L, F26R, F27L, F27R, F28L, F28R, F29L, F29R, F30L, F30R, F31L, F31R, F32L, F32R, F33L, F33R, F34L, F34R Surface : Concrete (Rigid) Strength : PCR 626 / R / C /W / U	**Bay** B12, B61L, C11, C13, C23, C28, C31, C33 Surface : Concrete (Rigid) Strength : PCR 686 / R / C / W / U
		Bay A51, A52, A53, A54 Surface : Concrete (Rigid) Strength : PCR 777 / R / C / W / U	**Bay** C6 Surface : Concrete (Rigid) Strength : PCR 790 / R / C / W / U
		Bay B62, B63, B51, B52, B53, B54 Surface : Concrete (Rigid) Strength : PCR 802 / R / C / W / U	**Bay** A4, A6 Surface : Concrete (Rigid) Strength : PCR 918 / R / C / W / U
		Bay A8, A10, A14, B4, B6, B8, B10, B14, B16, C14, F8, F9, F10, F11 Surface : Concrete (Rigid) Strength : PCR 950 / R / C / W / U	**Bay** A2, B2, C22, C25, C32, C52, C53, C61, C83 Surface : Concrete (Rigid) Strength : PCR 957 / R / C / W / U
		Bay C1, C3, C7, C4, C16 Surface : Concrete (Rigid) Strength : PCR 966 / R / C / W / U	**Bay** C17, C12R, C16R, C27, C72, C73, C74, C37 Surface : Concrete (Rigid) Strength : PCR 977 / R / C / W / U
		Bay C12, C15, C24, C26, C35, C34, C36 Surface : Concrete (Rigid) Strength : PCR 1018 / R / C / W / U	**Bay** F1, F2, F3, F4, F5, F6, F7, F21, F22, F23, F24, F25, F26, F27, F28, F29, F30, F31, F32, F33, F34 Surface : Concrete (Rigid) Strength : PCR 1140 / R / C / W / U

		Bay C28, C81, F34R Surface : Concrete (Rigid) Strength : PCR 449 / R / C / W / U	**Bay** A61, C2, C82, M1, M2, M3, M4, M5 Surface : Concrete (Rigid) Strength : PCR 1179 / R / C / W / U
1b	Apron surface and strength (WI the areas of RWY 14R/32L and 15/33)	Bay J1, J3, J5, J7, J9, J11, J13, J15, J17, J2, J4, J6, J8, J10, J12, J14, J16, J18, J20, J22, K1, K3, K5, K7, K9, K11, K13, K22L, K22R, K2, K4 K6, K8, K10, K12, K14, K16, K18, P1, P3, P5, P7, P9, P11, P13, P15, P17, P19, P21, P4L, P4R, P6L, P6R, P8L, P8R, P10L, P10R, P12L, P12R, Q1, Q3, Q5, Q7, Q9, Q11, Q13, Q15, Q17, Q19, Q21 Surface : Asphalt (Flexible) Strength : PCR 651 / F / D / X / U	**Bay** Q16, Q18 Surface : Asphalt (Flexible) Strength : PCR 909 / F / D / X / U
		Bay K20, K22, K24, P2, Q2, Q4, Q6, Q8, Q10, Q12, Q14 Surface : Asphalt (Flexible) Strength : PCR 955 / F / D / X / U	**Bay** P4, P6, P8, P10, P12 Surface : Asphalt (Flexible) Strength : PCR 973 / F / D / X / U
2	Taxiway width, surface and strength	**Taxiway** A, B, D, F **Apron Taxiway** H **Taxiway Intersection** B5, C9, H3, H5 Width : 25 M Surface : Asphalt (Flexible) Strength : PCR 787 / F / C / W / U	**Taxiway** Intersection A1 Width : 26 M Surface : Concrete (Rigid) Asphalt (Flexible) Strength : PCR 1179 / R / C / W / U PCR 787 / F / C / W / U
		Taxiway Intersection C **Taxiway** Intersection A2, A3, C10, C11 Width : 26 M Surface : Asphalt (Flexible) Strength : PCR 787 / F / C / W / U	**Taxiway Intersection** A4, D2, D3, D4, D5, D6, D7, D8, D10, D11, D12 Width : 43 M Surface : Asphalt (Flexible) Strength : PCR 787 / F / C / W / U
		Taxiway Intersection A5 Width : 39 M Surface : Asphalt (Flexible) Strength : PCR 787 / F / C / W / U	**Taxiway Intersection** A6, B14, C5, D1, F1 - F6 Width : 42 M Surface : Asphalt (Flexible) Strength : PCR 787 / F / C / W / U
		Taxiway Intersection A7, B7, B13 Width : 44 M Surface : Asphalt (Flexible) Strength : PCR 787 / F / C / W / U	**Taxiway Intersection** A8 **&** Apron Taxiway G Width : 29 M Surface : Asphalt (Flexible) Strength : PCR 787 / F / C / W / U
		Taxiway Intersection A9 - A11 Width : 28 M Surface : Concrete (Rigid) Strength : PCR 1179 / R / C / W / U	**Taxiway Intersection** B6, B8 - B12 Width : 44 M Surface : Asphalt (Flexible) Strength : PCR 787 / F / C / W / U
		Taxiway Intersection C1 Width : 27 M Surface : Concrete (Rigid) Asphalt (Flexible) Strength : PCR 1179 / R / C / W / U PCR 787 / F / C / W / U	**Taxiway Intersection** C2 **&** E3 Width : 28 M Surface : Concrete (Rigid) Asphalt (Flexible) Strength : PCR 1179 / R / C / W / U PCR 787 / F / C / W / U
		Taxiway Intersection C3 **&** C4 Width : 28 M Surface : Asphalt (Flexible) Strength : PCR 787 / F / C / W / U	**Taxiway Intersection** C6 Width : 41 M Surface : Asphalt (Flexible) Strength : PCR 787 / F / C / W / U

5	INS checkpoints	At aircraft parking stands (See AD 2-WMKK-2-7 until AD 2-WMKK-2-14 and WMKK-2-15 until AD 2-WMKK-2-18)
6	Remarks	1. Pilots are advised of heavy vehicle crossing on TWY U5 and U6.

WMKK AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Taxiing guidance signs at all intersections with TWY and RWY and at all holding positions. Guide lines at apron. Nose - in guidance at aircraft stands.
2	RWY and TWY markings and LGT	RWY: Designation, threshold, side stripe, transverse stripe, touchdown zone, aiming point and centre line markings. Chevron markings at RWY 14L, 32L, RWY 15 and RWY 33 only RWY LGT: Edge, threshold, end, touchdown zone, centre line and wing bar lights. TWY: Centre line, taxi side stripe, transverse stripe, runway-holding position, intermediate holding position, enhanced taxiway centre line and mandatory instruction markings. TWY LGT: Centre line, intermediate holding position, exit and edge lights.
3	Stop bars and runway guard lights (if any)	Stop bars on all RWY / TWY intersections. (WI the areas of RWY 14L/32R and 14R/32L) Stop bars on all RWY / TWY intersections and Supplementary Stop bars provided at TWY Q5, Q6 and Q7 located 250 M from RWY 14RCentre line. (WI the areas of RWY 14R/32L and 15/33) Runway guard lights on all RWY/TWY intersections.
4	Remarks	i. Surface movement surveillance radar in use. ii. All pavement marking and lighting spacing are within 5% tolerance. iii. RWY 14L/32R and 14R/32L are grooved. iv. Any aircraft is strictly prohibited to hold at the Intermediate Holding Position (IHP) in front of the Fire Station as follows: a) Fire Station 1 : Taxiway B between INT B5 and INT B6. b) Fire Station 2 : Taxiway D between INT. E2 and INT. D10 c) Fire Station 3 : Taxiway Z in front of Fire Station 3. This to ensure unobstructed access from the Fire Station for emergency vehicles, such as fire trucks and rescue teams during emergencies

WMKK AD 2.10 AERODROME OBSTACLES

In approach/TKOF areas			In circling area and at AD		Remarks
1			2		3
RWY NR/Area affected	**Obstacle type Elevation Markings/LGT**	**Coordinates**	**Obstacle type Elevation Markings/LGT**	**Coordinates**	
a	**b**	**c**	**a**	**b**	
14R/APCH 32L/TKOF	LOC ANTENNAS: 19.83 M Red/Red obstruction lights	024443.7N 1014147.4E	GP AERIAL 27.8 M Red/white Red obstruction lights	024425.6N 1014154.8E	NIL
	TELECOMMUNICATION TOWER 1 : 202.76 FT AMSL Marked and lighted	024552.1N 1014151.9E	WDI 23 M Marked and lighted	024432.1N 1014158.9E	

In approach/TKOF areas			In circling area and at AD		Remarks
1			2		3
RWY NR/Area affected	Obstacle type Elevation Markings/LGT	Coordinates	Obstacle type Elevation Markings/LGT	Coordinates	
a	b	c	a	b	
	TELECOMMUNICATION TOWER 2 : 202.76FT AMSL Marked and lighted	024550.0N 1014151.2E			
32L/APCH 14R/TKOF	LOC ANTENNAS 15.46 M Red/Red obstruction lights	024241.22N 1014309.48E	GP AERIAL 26.63 M Red/white Red obstruction lights	024253.83N 1014256.54E	NIL
	AWOS NO.7 22.3 M	024254.7N 1014255.5E	WDI 21.0 M Marked and lighted	024255.8N 1014255.7E	
	AWOS NO.8 22.1 M	024339.7N 1014225.6E	HILL - BUKIT LADA 110.048M AMSL Red obstruction lights	024232.7N 1014356.6E	
	AWOS NO.9 23.5 M	024424.2N 1014155.8E	HILL - BUKIT SUNGAI LANAU 100.890 M AMSL Red obstruction lights	024158.1N 1014304.7E	
			POWER PLANT - 15KM South of THR RWY 32 525FT AMSL Marked and lighted at night.	023524.6N 1014327.9E	
14L/APCH 32R/TKOF	LOC ANTENNAS 19.23 M Red/Red obstruction lights	024648.7N 1014202.5E	GP AERIAL 29.60 M Red/white Red obstruction lights	024636.6N 1014215.3E	NIL
	AWOS NO.2 24.9 M	024635.0N 1014216.4E	WDI 24 M Marked and lighted	024634.9N 1014215.7E	
	AWOS NO.3 25.3 M	024550.5N 1014245.7E	CONTROL TOWER 141.45 M Red obstruction lights	024525.5N 1014208.8E	
	AWOS NO.4 27.6 M	024506.0N 1014316.1E	RADAR SENSOR 69.8 M Red obstruction lights	024630.0N 1014124.0E	
	TELECOMMUNICATION TOWER 1: 202.76 FT AMSL Marked and lighted	024552.1N 1014151.9E			
	TELECOMMUNICATION TOWER 2 : 202.76 FT AMSL Marked and lighted	024550.0N 1014151.2E			
32R/APCH 14L/TKOF	LOC ANTENNAS 25.02 M Red/Red obstruction lights	024445.0N 1014325.3E	GP AERIAL 33.21M Red/white Red obstruction light	024504.87N 1014316.8E	NIL
			WDI 27 M Marked and lighted	024457.5N 1014313.0E	
			TELECOMMUNICA-TION TOWER182.88 M	024826.19N 1014440.41E	

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCR) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
15	146.01°	3960 x 60	PCR 1179 / R / C / W / U - 550 M Concrete PCR787 / F / C / W / U - 3410 M Asphalt	THR coordinates 024417.57N 1014038.97E RWY end coordinates 024230.67N 1014150.65E THR geoid undulation -1.6 M	THR:8.4 M TDZ:8.4 M
33	326.01°	3960 x 60	PCR 787 / F / C / W / U - 3410 M Asphalt PCR 1179 / R / C / W / U - 550 M Concrete	THR coordinates 024230.67N 1014150.65E RWY end coordinates 024417.57N 1014038.97E THR geoid undulation -1.5 M	THR:8.3 M TDZ:8.3 M

Slope of RWY-RESA	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
0.05%	NIL	NIL	4120 x 300	Provided	RESA RWY 14R: 120 M x 120 M
0.05%	NIL	NIL	4120 x 300	Provided	RESA RWY 32L: 176 M x 120 M
0.12%	NIL	NIL	4139 x 300	Provided	RESA RWY 14L: 225 M x 120 M
0.12%	NIL	NIL	4139 x 300	Provided	RESA RWY 32R: 120 M x 120 M
0.00%	NIL	NIL	4080 x 300	Provided	RESA RWY 15: 240 M X 120 M
0.00%	NIL	NIL	4080 x 300	Provided	RESA RWY 33: 200 M X 120 M

WMKK AD 2.13 DECLARED DISTANCES

RWY designator	FROM	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6	7
14L	THRESHOLD	4019	4019	4019	4019	NIL
	TWY A2	3604	3604	3604	NIL	NIL
	TWY A3	2832	2832	2832	NIL	NIL
	TWY A4	2520	2520	2520	NIL	NIL
	TWY A5	2070	2070	2070	NIL	NIL

RWY designator	FROM	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6	7
32R	THRESHOLD	4019	4019	4019	4019	NIL
	TWY A10	3954	3954	3954	NIL	NIL
	TWY A9	3634	3634	3634	NIL	NIL
	TWY A8	2887	2887	2887	NIL	NIL
	TWY A7	2574	2574	2574	NIL	NIL
	TWY A6	2065	2065	2065	NIL	NIL
14R	THRESHOLD	4000	4000	4000	4000	NIL
	TWY C2	3887	3887	3887	NIL	NIL
	TWY P2	3839	3839	3839	NIL	NIL
	TWY C3	3566	3566	3566	NIL	NIL
	TWY P3	3519	3519	3519	NIL	NIL
	TWY P4	3030	3030	3030	NIL	NIL
	TWY C4	2820	2820	2820	NIL	NIL
	TWY C5	2507	2507	2507	NIL	NIL
	TWY C6	2050	2050	2050	NIL	NIL
32L	THRESHOLD	4000	4000	4000	4000	NIL
	TWY C10	3585	3585	3585	NIL	NIL
	TWY C9	2812	2812	2812	NIL	NIL
	TWY C8	2500	2500	2500	NIL	NIL
	TWY C7	2048	2048	2048	NIL	NIL
15	THRESHOLD	3960	3960	3960	3960	NIL
	TWY Y2	3505	3505	3505	NIL	NIL
	TWY Y3	3400	3400	3400	NIL	NIL
	TWY Y4	2630	2630	2630	NIL	NIL
	TWY Y5	2180	2180	2180	NIL	NIL
33	THRESHOLD	3960	3960	3960	3960	NIL
	TWY Y8	3827	3827	3827	NIL	NIL
	TWY Y7	2632	2632	2632	NIL	NIL
	TWY Y6	2182	2182	2182	NIL	NIL

WMKK AD 2.24 CHARTS RELATED TO AN AERODROME

Chart name	Page
AERODROME/HELIPORT CHART (WMKK) - ICAO	AD 2-WMKK-2-1
AERODROME AERONAUTICAL GROUND LIGHTINGS AND RUNWAY MARKINGS	AD 2-WMKK-2-3
AERODROME GROUND LIGHTING CHART	AD 2-WMKK-2-5
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO (KLIA TERMINAL 1)	AD 2-WMKK-2-7
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO (KLIA TERMINAL 1) (TABULAR 1)	AD 2-WMKK-2-8
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO (KLIA TERMINAL 1) (TABULAR 2)	AD 2-WMKK-2-9
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO (KLIA TERMINAL 1) (TABULAR 3)	AD 2-WMKK-2-10
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO (KLIA TERMINAL 1) (TABULAR 4)	AD 2-WMKK-2-11
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO (KLIA TERMINAL 1) (TABULAR 5)	AD 2-WMKK-2-12
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO (KLIA TERMINAL 1) (TABULAR 6)	AD 2-WMKK-2-13
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO (KLIA TERMINAL 1) (TABULAR 7)	AD 2-WMKK-2-14
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO - (KLIA TERMINAL 2)	AD 2-WMKK-2-15
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO - (KLIA TERMINAL 2) (TABULAR 1)	AD 2-WMKK-2-16
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO - (KLIA TERMINAL 2) (TABULAR 2)	AD 2-WMKK-2-17
AIRCRAFT PARKING/DOCKING CHART (WMKK) - ICAO - (KLIA TERMINAL 2) (TABULAR 3)	AD 2-WMKK-2-18
AIRCRAFT PARKING DOCKING (TABULAR 9)	AD 2-WMKK-2-19
AERODROME GROUND MOVEMENT CHART - ICAO	AD 2-WMKK-2-21
AERODROME GROUND MOVEMENT CHART - ICAO (TABULAR 1)	AD 2-WMKK-2-22
AERODROME GROUND MOVEMENT CHART - ICAO (TABULAR 2)	AD 2-WMKK-2-23
AERODROME GROUND MOVEMENT CHART - ICAO (TABULAR 3)	AD 2-WMKK-2-24
AERODROME GROUND MOVEMENT CHART - ICAO (TABULAR 4)	AD 2-WMKK-2-25
AERODROME GROUND MOVEMENT CHART - ICAO (TABULAR 5)	AD 2-WMKK-2-26
AERODROME GROUND MOVEMENT CHART - ICAO (TABULAR 6)	AD 2-WMKK-2-27
TAXI ROUTES (TEXT 1)	AD 2-WMKK-2-28
TAXI ROUTES (TEXT 2)	AD 2-WMKK-2-29
TAXI ROUTES ARRIVAL RWY 14L	AD 2-WMKK-2-31
TAXIWAY ROUTES ARRIVAL RWY 14L (TABULAR 1)	AD 2-WMKK-2-32
TAXI ROUTES ARRIVAL RWY 14R	AD 2-WMKK-2-33
TAXIWAY ROUTES ARRIVAL RWY 14R (TABULAR 1)	AD 2-WMKK-2-34
KLIA TERMINAL 2 TAXI ROUTES ARRIVAL RWY 15	AD 2-WMKK-2-35
TAXIWAY ROUTES ARRIVAL RWY 15 TO KLIA TERMINAL 2 (TABULAR 1)	AD 2-WMKK-2-36
TAXI ROUTES ARRIVAL RWY 32L	AD 2-WMKK-2-37
TAXIWAY ROUTES ARRIVAL RWY 32L (TABULAR 1)	AD 2-WMKK-2-38
KLIA TERMINAL 2 TAXI ROUTES ARRIVAL RWY 32L	AD 2-WMKK-2-39
TAXIWAY ROUTES ARRIVALS RWY 32L TO KLIA TERMINAL 2 (TABULAR 1)	AD 2-WMKK-2-40
TAXI ROUTES ARRIVAL RWY 32R	AD 2-WMKK-2-41
TAXIWAY ROUTES ARRIVAL RWY 32R (TABULAR 1)	AD 2-WMKK-2-42
KLIA TERMINAL 2 TAXI ROUTES ARRIVALS RWY 33	AD 2-WMKK-2-43
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TAXI ROUTES DEPARTURE RWY 14L	AD 2-WMKK-2-45
TAXIWAY ROUTES DEPARTURE RWY 14L (TABULAR 1)	AD 2-WMKK-2-46
TAXI ROUTES DEPARTURE RWY 14R	AD 2-WMKK-2-47
TAXIWAY ROUTES DEPARTURE RWY 14R (TABULAR 1)	AD 2-WMKK-2-48
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TAXIWAY ROUTES DEPARTURES RWY 14R FROM KLIA TERMINAL 2 (TABULAR 1)	AD 2-WMKK-2-50
KLIA TERMINAL 2 TAXI ROUTES DEPARTURE RWY 15	AD 2-WMKK-2-51
TAXIWAY ROUTES DEPARTURES RUNWAY 15 FROM KLIA TERMINAL 2 (TABULAR 1)	AD 2-WMKK-2-52
TAXI ROUTES DEPARTURE RWY 32L	AD 2-WMKK-2-53
TAXIWAY ROUTES DEPARTURE RWY 32L (TABULAR 1)	AD 2-WMKK-2-54
TAXI ROUTES DEPARTURE RWY 32R	AD 2-WMKK-2-55
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TAXI ROUTES CODE F - ARRIVALS RWY 14R	AD 2-WMKK-2-65
STANDARD TAXI ROUTE - CODE F ARRIVAL RWY 14R (TABULAR 1)	AD 2-WMKK-2-66
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STANDARD TAXI ROUTE - CODE F ARRIVAL RWY 32L (TABULAR 1)	AD 2-WMKK-2-68
TAXI ROUTE CODE F - ARRIVAL RWY 15	AD 2-WMKK-2-69
STANDARD TAXI ROUTE - CODE F ARRIVAL RWY 15 (TABULAR 1)	AD 2-WMKK-2-70
TAXI ROUTE CODE F - ARRIVAL RWY 33	AD 2-WMKK-2-71
STANDARD TAXI ROUTE - CODE F ARRIVAL RWY 33 (TABULAR 1)	AD 2-WMKK-2-72
TAXI ROUTE CODE F - DEPARTURE RWY 14L	AD 2-WMKK-2-73
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TAXI ROUTE CODE F - DEPARTURE RWY 15	AD 2-WMKK-2-81
STANDARD TAXI ROUTE - CODE F DEPARTURE RWY 15 (TABULAR 1)	AD 2-WMKK-2-82
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AERODROME OBSTACLE CHART — ICAO TYPE A (RWY 14L/32R)	AD 2-WMKK-3-1
AERODROME OBSTACLE CHART — ICAO TYPE A (RWY 14R/32L)	AD 2-WMKK-3-3
AERODROME OBSTACLE CHART — ICAO TYPE A (RWY 15/33)	AD 2-WMKK-3-5
KUALA LUMPUR TMA/CTR	AD 2-WMKK-4-1
ATC SURVEILLANCE MINIMUM ALTITUDE CHART - ICAO	AD 2-WMKK-4-3
PRECISION APPROACH TERRAIN - ICAO - RWY 14L	AD 2-WMKK-5-1
PRECISION APPROACH TERRAIN - ICAO - RWY 14R	AD 2-WMKK-5-3
PRECISION APPROACH TERRAIN - ICAO - RWY 32L	AD 2-WMKK-5-5
PRECISION APPROACH TERRAIN - ICAO - RWY 32R	AD 2-WMKK-5-7
STANDARD DEPARTURE CHART - ICAO - RADAR DEPARTURES	AD 2-WMKK-6-1
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 14L RNAV(GNSS) PUGER 1A BIKDU 1A SALAX 1A IBUKU 1A PIBOS 1A MITOS 1A ATIMU 1A KIMAT 1A RUSBU 1A	AD 2-WMKK-6-3
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 14L RNAV(GNSS) PUGER 1A BIKDU 1A SALAX 1A IBUKU 1A PIBOS 1A MITOS 1A ATIMU 1A KIMAT 1A RUSBU 1A (TABULAR 1)	AD 2-WMKK-6-4
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 14L RNAV(GNSS) PUGER 1A BIKDU 1A SALAX 1A IBUKU 1A PIBOS 1A MITOS 1A ATIMU 1A KIMAT 1A RUSBU 1A (TABULAR 2)	AD 2-WMKK-6-5
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 14L RNAV(GNSS) PUGER 1A BIKDU 1A SALAX 1A IBUKU 1A PIBOS 1A MITOS 1A ATIMU 1A KIMAT 1A RUSBU 1A (TABULAR 3)	AD 2-WMKK-6-6
STANDARD DEPARTURE CHART - ICAO - RWY 14L RNP 1 (GNSS) PUGER 2A BIKDU 2A SALAX 2A IBUKU 2A PIBOS 2A MITOS 2A ATIMU 2A KIMAT 2A RUSBU 2A	AD 2-WMKK-6-7
STANDARD DEPARTURE CHART - ICAO - RWY 14L RNP 1 (GNSS) PUGER 2A BIKDU 2A SALAX 2A IBUKU 2A PIBOS 2A MITOS 2A ATIMU 2A KIMAT 2A RUSBU 2A (TABULAR 1)	AD 2-WMKK-6-8
STANDARD DEPARTURE CHART - ICAO - RWY 14L RNP 1 (GNSS) PUGER 2A BIKDU 2A SALAX 2A IBUKU 2A PIBOS 2A MITOS 2A ATIMU 2A KIMAT 2A RUSBU 2A (TABULAR 2)	AD 2-WMKK-6-9
STANDARD DEPARTURE CHART - ICAO - RWY 14L RNP 1 (GNSS) PUGER 2A BIKDU 2A SALAX 2A IBUKU 2A PIBOS 2A MITOS 2A ATIMU 2A KIMAT 2A RUSBU 2A(TABULAR 3)	AD 2-WMKK-6-10

Chart name	Page
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 14R RNAV(GNSS) PUGER 1B BIKDU 1B SALAX 1B IBUKU 1B PIBOS 1B MITOS 1B ATIMU 1B KIMAT 1B RUSBU 1B	AD 2-WMKK-6-11
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 14R RNAV(GNSS) PUGER 1B BIKDU 1B SALAX 1B IBUKU 1B PIBOS 1B MITOS 1B ATIMU 1B KIMAT 1B RUSBU 1B (TABULAR 1)	AD 2-WMKK-6-12
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 14R RNAV(GNSS) PUGER 1B BIKDU 1B SALAX 1B IBUKU 1B PIBOS 1B MITOS 1B ATIMU 1B KIMAT 1B RUSBU 1B (TABULAR 2)	AD 2-WMKK-6-13
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 14R RNAV(GNSS) PUGER 1B BIKDU 1B SALAX 1B IBUKU 1B PIBOS 1B MITOS 1B ATIMU 1B KIMAT 1B RUSBU 1B (TABULAR 3)	AD 2-WMKK-6-14
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 14R DEPARTURES FOR SAAS SUBANG	AD 2-WMKK-6-15
STANDARD DEPARTURE CHART - ICAO - RWY 14R RNP 1 (GNSS) PUGER 2B BIKDU 2B SALAX 2B IBUKU 2B PIBOS 2B MITOS 2B ATIMU 2B KIMAT 2B RUSBU 2B	AD 2-WMKK-6-17
STANDARD DEPARTURE CHART - ICAO - RWY 14R RNP 1 (GNSS) PUGER 2B BIKDU 2B SALAX 2B IBUKU 2B PIBOS 2B MITOS 2B ATIMU 2B KIMAT 2B RUSBU 2B (TABULAR 1)	AD 2-WMKK-6-18
STANDARD DEPARTURE CHART - ICAO - RWY 14R RNP 1 (GNSS) PUGER 2B BIKDU 2B SALAX 2B IBUKU 2B PIBOS 2B MITOS 2B ATIMU 2B KIMAT 2B RUSBU 2B (TABULAR 2)	AD 2-WMKK-6-19
STANDARD DEPARTURE CHART - ICAO - RWY 14R RNP 1 (GNSS) PUGER 2B BIKDU 2B SALAX 2B IBUKU 2B PIBOS 2B MITOS 2B ATIMU 2B KIMAT 2B RUSBU 2B (TABULAR 3)	AD 2-WMKK-6-20
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 15 RNP 1 (GNSS) PUGER 1C BIKDU 1C SALAX 1C IBUKU 1C PIBOS 1C MITOS 1C ATIMU 1C KIMAT 1C RUSBU 1C	AD 2-WMKK-6-21
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 15 RNP 1 (GNSS) PUGER 1C BIKDU 1C SALAX 1C IBUKU 1C PIBOS 1C MITOS 1C ATIMU 1C KIMAT 1C RUSBU 1C (TABULAR 1)	AD 2-WMKK-6-22
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 15 RNP 1 (GNSS) PUGER 1C BIKDU 1C SALAX 1C IBUKU 1C PIBOS 1C MITOS 1C ATIMU 1C KIMAT 1C RUSBU 1C (TABULAR 2)	AD 2-WMKK-6-23
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 15 RNP 1 (GNSS) PUGER 1C BIKDU 1C SALAX 1C IBUKU 1C PIBOS 1C MITOS 1C ATIMU 1C KIMAT 1C RUSBU 1C (TABULAR 3)	AD 2-WMKK-6-24
STANDARD DEPARTURE CHART - ICAO - RWY 15 RNP 1 (GNSS) PUGER 2C BIKDU 2C SALAX 2C IBUKU 2C PIBOS 2C MITOS 2C ATIMU 2C KIMAT 2C RUSBU 2C	AD 2-WMKK-6-25
STANDARD DEPARTURE CHART - ICAO - RWY 15 RNP 1 (GNSS) PUGER 2C BIKDU 2C SALAX 2C IBUKU 2C PIBOS 2C MITOS 2C ATIMU 2C KIMAT 2C RUSBU 2C (TABULAR 1)	AD 2-WMKK-6-26
STANDARD DEPARTURE CHART - ICAO - RWY 15 RNP 1 (GNSS) PUGER 2C BIKDU 2C SALAX 2C IBUKU 2C PIBOS 2C MITOS 2C ATIMU 2C KIMAT 2C RUSBU 2C (TABULAR 2)	AD 2-WMKK-6-27
STANDARD DEPARTURE CHART - ICAO - RWY 15 RNP 1 (GNSS) PUGER 2C BIKDU 2C SALAX 2C IBUKU 2C PIBOS 2C MITOS 2C ATIMU 2C KIMAT 2C RUSBU 2C (TABULAR 3)	AD 2-WMKK-6-28
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 32R RNAV(GNSS) PUGER 1D BIKDU 1D SALAX 1D IBUKU 1D PIBOS 1D MITOS 1D ATIMU 1D KIMAT 1D RUSBU 1D	AD 2-WMKK-6-30
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 32R RNAV(GNSS) PUGER 1D BIKDU 1D SALAX 1D IBUKU 1D PIBOS 1D MITOS 1D ATIMU 1D KIMAT 1D RUSBU 1D (TABULAR 1)	AD 2-WMKK-6-31
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 32R RNAV(GNSS) PUGER 1D BIKDU 1D SALAX 1D IBUKU 1D PIBOS 1D MITOS 1D ATIMU 1D KIMAT 1D RUSBU 1D (TABULAR 2)	AD 2-WMKK-6-32
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 32R RNAV(GNSS) PUGER 1D BIKDU 1D SALAX 1D IBUKU 1D PIBOS 1D MITOS 1D ATIMU 1D KIMAT 1D RUSBU 1D (TABULAR 3)	AD 2-WMKK-6-33
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 32R DEPARTURES FOR SAAS SUBANG	AD 2-WMKK-6-35
STANDARD DEPARTURE CHART - ICAO - RWY 32R RNP 1 (GNSS) PUGER 2D BIKDU 2D SALAX 2D IBUKU 2D PIBOS 2D MITOS 2D ATIMU 2D KIMAT 2D RUSBU 2D	AD 2-WMKK-6-37
STANDARD DEPARTURE CHART - ICAO - RWY 32R RNP 1 (GNSS) PUGER 2D BIKDU 2D SALAX 2D IBUKU 2D PIBOS 2D MITOS 2D ATIMU 2D KIMAT 2D RUSBU 2D (TABULAR 1)	AD 2-WMKK-6-38
STANDARD DEPARTURE CHART - ICAO - RWY 32R RNP 1 (GNSS) PUGER 2D BIKDU 2D SALAX 2D IBUKU 2D PIBOS 2D MITOS 2D ATIMU 2D KIMAT 2D RUSBU 2D (TABULAR 2)	AD 2-WMKK-6-39
STANDARD DEPARTURE CHART - ICAO - RWY 32R RNP 1 (GNSS) PUGER 2D BIKDU 2D SALAX 2D IBUKU 2D PIBOS 2D MITOS 2D ATIMU 2D KIMAT 2D RUSBU 2D (TABULAR 3)	AD 2-WMKK-6-40
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 32L RNAV(GNSS) PUGER 1E BIKDU 1E SALAX 1E IBUKU 1E PIBOS 1E MITOS 1E ATIMU 1E KIMAT 1E RUSBU 1E	AD 2-WMKK-6-41
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 32L RNAV(GNSS) PUGER 1E BIKDU 1E SALAX 1E IBUKU 1E PIBOS 1E MITOS 1E ATIMU 1E KIMAT 1E RUSBU 1E (TABULAR 1)	AD 2-WMKK-6-42
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 32L RNAV(GNSS) PUGER 1E BIKDU 1E SALAX 1E IBUKU 1E PIBOS 1E MITOS 1E ATIMU 1E KIMAT 1E RUSBU 1E (TABULAR 2)	AD 2-WMKK-6-43
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 32L RNAV(GNSS) PUGER 1E BIKDU 1E SALAX 1E IBUKU 1E PIBOS 1E MITOS 1E ATIMU 1E KIMAT 1E RUSBU 1E (TABULAR 3)	AD 2-WMKK-6-44
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 32L RNAV(GNSS) PUGER 1E BIKDU 1E SALAX 1E IBUKU 1E PIBOS 1E MITOS 1E ATIMU 1E KIMAT 1E RUSBU 1E (TABULAR 4)	AD 2-WMKK-6-45

Chart name	Page
STANDARD DEPARTURE CHART - ICAO - RWY 32L RNP 1 (GNSS) PUGER 2E BIKDU 2E SALAX 2E IBUKU 2E PIBOS 2E MITOS 2E ATIMU 2E KIMAT 2E RUSBU 2E	AD 2-WMKK-6-47
STANDARD DEPARTURE CHART - ICAO - RWY 32L RNP 1 (GNSS) PUGER 2E BIKDU 2E SALAX 2E IBUKU 2E PIBOS 2E MITOS 2E ATIMU 2E KIMAT 2E RUSBU 2E (TABULAR 1)	AD 2-WMKK-6-48
STANDARD DEPARTURE CHART - ICAO - RWY 32L RNP 1 (GNSS) PUGER 2E BIKDU 2E SALAX 2E IBUKU 2E PIBOS 2E MITOS 2E ATIMU 2E KIMAT 2E RUSBU 2E (TABULAR 2)	AD 2-WMKK-6-49
STANDARD DEPARTURE CHART - ICAO - RWY 32L RNP 1 (GNSS) PUGER 2E BIKDU 2E SALAX 2E IBUKU 2E PIBOS 2E MITOS 2E ATIMU 2E KIMAT 2E RUSBU 2E (TABULAR 3)	AD 2-WMKK-6-50
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 33 RNP 1 (GNSS) PUGER 1F BIKDU 1F SALAX 1F IBUKU 1F PIBOS 1F MITOS 1F ATIMU 1F KIMAT 3F RUSBU 1F	AD 2-WMKK-6-51
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 33 RNP 1 (GNSS) PUGER 1F BIKDU 1F SALAX 1F IBUKU 1F PIBOS 1F MITOS 1F ATIMU 1F KIMAT 3F RUSBU 1F (TABULAR 1)	AD 2-WMKK-6-52
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 33 RNP 1 (GNSS) PUGER 1F BIKDU 1F SALAX 1F IBUKU 1F PIBOS 1F MITOS 1F ATIMU 1F KIMAT 3F RUSBU 1F (TABULAR 2)	AD 2-WMKK-6-53
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 33 RNP 1 (GNSS) PUGER 1F BIKDU 1F SALAX 1F IBUKU 1F PIBOS 1F MITOS 1F ATIMU 1F KIMAT 3F RUSBU 1F (TABULAR 3)	AD 2-WMKK-6-54
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO - RWY 33 RNP 1 (GNSS) PUGER 1F BIKDU 1F SALAX 1F IBUKU 1F PIBOS 1F MITOS 1F ATIMU 1F KIMAT 3F RUSBU 1F (TABULAR 4)	AD 2-WMKK-6-55
STANDARD DEPARTURE CHART - ICAO - RWY 33 RNP 1 (GNSS) PUGER 2F BIKDU 2F SALAX 2F IBUKU 2F PIBOS 2F MITOS 2F ATIMU 2F KIMAT 2F RUSBU 2F	AD 2-WMKK-6-57
STANDARD DEPARTURE CHART - ICAO - RWY 33 RNP 1 (GNSS) PUGER 2F BIKDU 2F SALAX 2F IBUKU 2F PIBOS 2F MITOS 2F ATIMU 2F KIMAT 2F RUSBU 2F (TABULAR 1)	AD 2-WMKK-6-58
STANDARD DEPARTURE CHART - ICAO - RWY 33 RNP 1 (GNSS) PUGER 2F BIKDU 2F SALAX 2F IBUKU 2F PIBOS 2F MITOS 2F ATIMU 2F KIMAT 2F RUSBU 2F (TABULAR 2)	AD 2-WMKK-6-59
STANDARD DEPARTURE CHART - ICAO - RWY 33 RNP 1 (GNSS) PUGER 2F BIKDU 2F SALAX 2F IBUKU 2F PIBOS 2F MITOS 2F ATIMU 2F KIMAT 2F RUSBU 2F (TABULAR 3)	AD 2-WMKK-6-60
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY 32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS EAST PUGER 1G KAKAK 1G SAROX 1G NIREN 1G PULIP 1G GUPTA 1G SALAX 1G	AD 2-WMKK-7-1
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY 32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS EAST PUGER 1G KAKAK 1G SAROX 1G NIREN 1G PULIP 1G GUPTA 1G SALAX 1G (TABULAR 1)	AD 2-WMKK-7-2
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY 32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS EAST PUGER 1G KAKAK 1G SAROX 1G NIREN 1G PULIP 1G GUPTA 1G SALAX 1G (TABULAR 2)	AD 2-WMKK-7-3
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY 32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS EAST PUGER G KAKAK 1G SAROX 1G NIREN 1G PULIP 1G GUPTA 1G SALAX 1G (TABULAR 3)	AD 2-WMKK-7-4
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY 32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS EAST PUGER G KAKAK 1G SAROX 1G NIREN 1G PULIP 1G GUPTA 1G SALAX 1G (TABULAR 4)	AD 2-WMKK-7-5
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS WEST PUGER 1H KAKAK 1H SAROX 1H NIREN 1H PULIP 1H GUPTA 1H SALAX 1H	AD 2-WMKK-7-7
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS WEST PUGER 1H KAKAK 1H SAROX 1H NIREN 1H PULIP 1H GUPTA 1H SALAX 1H (TABULAR 1)	AD 2-WMKK-7-8
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS WEST PUGER 1H KAKAK 1H SAROX 1H NIREN 1H PULIP 1H GUPTA 1H SALAX 1H (TABULAR 2)	AD 2-WMKK-7-9
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS WEST PUGER 1H KAKAK 1H SAROX 1H NIREN 1H PULIP 1H GUPTA 1H SALAX 1H (TABULAR 3)	AD 2-WMKK-7-10
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY32R, 32L, 33, 14L, 14R, 15 RNAV (GNSS) PMS WEST PUGER 1H KAKAK 1H SAROX 1H NIREN 1H PULIP 1H GUPTA 1H SALAX 1H (TABULAR 4)	AD 2-WMKK-7-11
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY32R, 32L, 33 RNAV (GNSS) PMS SOUTH PUGER 1J KAKAK 1J SAROX 1J NIREN 1 J PULIP 1J GUPTA 1J SALAX 1J	AD 2-WMKK-7-13
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY32R, 32L, 33 RNAV (GNSS) PMS SOUTH PUGER 1J KAKAK 1J SAROX 1J NIREN 1 J PULIP 1J GUPTA 1J SALAX 1J (TABULAR 1)	AD 2-WMKK-7-14
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY32R, 32L, 33 RNAV (GNSS) PMS SOUTH PUGER 1J KAKAK 1J SAROX 1J NIREN 1 J PULIP 1J GUPTA 1J SALAX 1J (TABULAR 2)	AD 2-WMKK-7-15
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY32R, 32L, 33, RNAV (GNSS) PMS SOUTH PUGER 1J KAKAK 1J SAROX 1J NIREN 1J PULIP 1J GUPTA 1J SALAX 1J (TABULAR 3)	AD 2-WMKK-7-16
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY32R, 32L, 33, RNAV (GNSS) PMS SOUTH PUGER 1J KAKAK 1J SAROX 1J NIREN 1J PULIP 1J GUPTA 1J SALAX 1J (TABULAR 4)	AD 2-WMKK-7-17
STANDARD ARRIVAL CHART - ICAO - RWY 32R, 32L, 33 RNP 1 (GNSS) PUGER 3J KAKAK 3J SAROX 3J NIREN 3J PULIP 3J GUPTA 3J SALAX 3J	AD 2-WMKK-7-19
STANDARD ARRIVAL CHART - ICAO - RWY 32R, 32L, 33 RNP 1 (GNSS) PUGER 3J KAKAK 3J SAROX 3J NIREN 3J PULIP 3J GUPTA 3J SALAX 3J (TABULAR 1)	AD 2-WMKK-7-20

Chart name	Page
STANDARD ARRIVAL CHART - ICAO - RWY 32R, 32L, 33 RNP 1 (GNSS) PUGER 3J KAKAK 3J SAROX 3J NIREN 3J PULIP 3J GUPTA 3J SALAX 3J (TABULAR 2)	AD 2-WMKK-7-21
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY 14L, 14R, 15 RNAV(GNSS) PMS NORTH PUGER 1K KAKAK 1K SAROX 1K NIREN 1K PULIP 1K GUPTA 1K SALAX 1K	AD 2-WMKK-7-23
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY 14L, 14R, 15 RNAV(GNSS) PMS NORTH PUGER 1K KAKAK 1K SAROX 1K NIREN 1K PULIP 1K GUPTA 1K SALAX 1K (TABULAR 1)	AD 2-WMKK-7-24
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY 14L, 14R, 15 RNAV(GNSS) PMS NORTH PUGER 1K KAKAK 1K SAROX 1K NIREN 1K PULIP 1K GUPTA 1K SALAX 1K (TABULAR 2)	AD 2-WMKK-7-25
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO - RWY 14L, 14R, 15 RNAV(GNSS) PMS NORTH PUGER 1K KAKAK 1K SAROX 1K NIREN 1K PULIP 1K GUPTA 1K SALAX 1K (TABULAR 3)	AD 2-WMKK-7-26
STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO - RWY 14L, 14R, 15 RNAV (GNSS) PUGER 2K KAKAK 2K SAROX 2K NIREN 2K PULIP 2K GUPTA 2K SALAX 2K	AD 2-WMKK-7-27
STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO - RWY 14L, 14R, 15 RNAV (GNSS) PUGER 2K KAKAK 2K SAROX 2K NIREN 2K PULIP 2K GUPTA 2K SALAX 2K (TABULAR 1)	AD 2-WMKK-7-28
STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO - RWY 14L, 14R, 15 RNAV (GNSS) PUGER 2K KAKAK 2K SAROX 2K NIREN 2K PULIP 2K GUPTA 2K SALAX 2K (TABULAR 2)	AD 2-WMKK-7-29
STANDARD ARRIVAL CHART - ICAO - RWY 14L, 14R, 15 RNP 1 (GNSS) PUGER 3K KAKAK 3K SAROX 3K NIREN 3K PULIP 3K GUPTA 3K SALAX 3K	AD 2-WMKK-7-31
STANDARD ARRIVAL CHART - ICAO - RWY 14L, 14R, 15 RNP 1 (GNSS) PUGER 3K KAKAK 3K SAROX 3K NIREN 3K PULIP 3K GUPTA 3K SALAX 3K (TABULAR 1)	AD 2-WMKK-7-32
STANDARD ARRIVAL CHART - ICAO - RWY 14L, 14R, 15 RNP 1 (GNSS) PUGER 3K KAKAK 3K SAROX 3K NIREN 3K PULIP 3K GUPTA 3K SALAX 3K (TABULAR 2)	AD 2-WMKK-7-33
STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO - RWY 32R, 32L, 33 RNAV (GNSS) PUGER 2J KAKAK 2J SAROX 2J NIREN 2J PULIP 2J GUPTA 2J SALAX 2J	AD 2-WMKK-7-35
STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO - RWY 32R, 32L, 33 RNAV (GNSS) PUGER 2J KAKAK 2J SAROX 2J NIREN 2J PULIP 2J GUPTA 2J SALAX 2J (TABULAR 1)	AD 2-WMKK-7-36
STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO - RWY 32R, 32L, 33 RNAV (GNSS) PUGER 2J KAKAK 2J SAROX 2J NIREN 2J PULIP 2J GUPTA 2J SALAX 2J (TABULAR 2)	AD 2-WMKK-7-37
INITIAL APPROACH CHART - RWY 14L RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / NORTH	AD 2-WMKK-7-39
INITIAL APPROACH CHART - RWY 14L RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / NORTH (TABULAR 1)	AD 2-WMKK-7-40
INITIAL APPROACH CHART - RWY 14R RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / NORTH	AD 2-WMKK-7-41
INITIAL APPROACH CHART - RWY 14R RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / NORTH (TABULAR 1)	AD 2-WMKK-7-42
INITIAL APPROACH CHART - RWY 15 RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / NORTH	AD 2-WMKK-7-43
INITIAL APPROACH CHART - RWY 15 RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / NORTH (TABULAR 1)	AD 2-WMKK-7-44
INITIAL APPROACH CHART - RWY 32L RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / SOUTH	AD 2-WMKK-7-45
INITIAL APPROACH CHART - RWY 32L RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / SOUTH (TABULAR 1)	AD 2-WMKK-7-46
INITIAL APPROACH CHART - RWY 32R RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / SOUTH	AD 2-WMKK-7-47
INITIAL APPROACH CHART - RWY 32R RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / SOUTH (TABULAR 1)	AD 2-WMKK-7-48
INITIAL APPROACH CHART - RWY 33 RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / SOUTH	AD 2-WMKK-7-49
INITIAL APPROACH CHART - RWY 33 RNAV (GNSS) INITIAL APPROACH PROCEDURE VIA PMS EAST / WEST / SOUTH (TABULAR 1)	AD 2-WMKK-7-50
INSTRUMENT APPROACH CHART - ICAO - RWY 14L ILS OR LOC	AD 2-WMKK-8-1
INSTRUMENT APPROACH CHART - ICAO - RWY 14L ILS OR LOC (TABULAR 1)	AD 2-WMKK-8-2
INSTRUMENT APPROACH CHART - ICAO - RWY 14L RNP Y	AD 2-WMKK-8-3
INSTRUMENT APPROACH CHART - ICAO - RWY 14L RNP Y (TABULAR 1)	AD 2-WMKK-8-4
INSTRUMENT APPROACH CHART - ICAO - RWY 14L RNP X	AD 2-WMKK-8-5
INSTRUMENT APPROACH CHART - ICAO - RWY 14L RNP X (TABULAR 1)	AD 2-WMKK-8-6
INSTRUMENT APPROACH CHART - ICAO - RWY 14L VOR/DME	AD 2-WMKK-8-7

Chart name	Page
INSTRUMENT APPROACH CHART - ICAO - RWY 14L VOR/DME (TABULAR 1)	AD 2-WMKK-8-8
INSTRUMENT APPROACH CHART - ICAO - RWY14R ILS OR LOC	AD 2-WMKK-8-9
INSTRUMENT APPROACH CHART - ICAO - RWY14R ILS OR LOC (TABULAR 1)	AD 2-WMKK-8-10
INSTRUMENT APPROACH CHART - ICAO - RWY 14R RNP Y	AD 2-WMKK-8-11
INSTRUMENT APPROACH CHART - ICAO - RWY 14R RNP Y (TABULAR 1)	AD 2-WMKK-8-12
INSTRUMENT APPROACH CHART - ICAO - RWY 14R RNP X	AD 2-WMKK-8-13
INSTRUMENT APPROACH CHART - ICAO - RWY 14R RNP X (TABULAR 1)	AD 2-WMKK-8-14
INSTRUMENT APPROACH CHART - ICAO - RWY 15 ILS OR LOC	AD 2-WMKK-8-15
INSTRUMENT APPROACH CHART - ICAO - RWY 15 ILS OR LOC (TABULAR 1)	AD 2-WMKK-8-16
INSTRUMENT APPROACH CHART - ICAO - RWY 15 RNP Y	AD 2-WMKK-8-17
INSTRUMENT APPROACH CHART - ICAO - RWY 15 RNP Y (TABULAR 1)	AD 2-WMKK-8-18
INSTRUMENT APPROACH CHART - ICAO - RWY 15 RNP X	AD 2-WMKK-8-19
INSTRUMENT APPROACH CHART - ICAO - RWY 15 RNP X (TABULAR 1)	AD 2-WMKK-8-20
INSTRUMENT APPROACH CHART - ICAO - RWY 15 VOR/DME	AD 2-WMKK-8-21
INSTRUMENT APPROACH CHART - ICAO - RWY 15 VOR/DME (TABULAR 1)	AD 2-WMKK-8-22
INSTRUMENT APPROACH CHART - ICAO - RWY 32L ILS OR LOC	AD 2-WMKK-8-23
INSTRUMENT APPROACH CHART - ICAO - RWY 32L ILS OR LOC (TABULAR 1)	AD 2-WMKK-8-24
INSTRUMENT APPROACH CHART - ICAO - RWY 32L RNP Y	AD 2-WMKK-8-25
INSTRUMENT APPROACH CHART - ICAO - RWY 32L RNP Y (TABULAR 1)	AD 2-WMKK-8-26
INSTRUMENT APPROACH CHART - ICAO - RWY 32L RNP X	AD 2-WMKK-8-27
INSTRUMENT APPROACH CHART - ICAO - RWY 32L RNP X (TABULAR 1)	AD 2-WMKK-8-28
INSTRUMENT APPROACH CHART - ICAO - RWY 32R ILS OR LOC	AD 2-WMKK-8-29
INSTRUMENT APPROACH CHART - ICAO - RWY 32R ILS OR LOC (TABULAR 1)	AD 2-WMKK-8-30
INSTRUMENT APPROACH CHART - ICAO - RWY 32R RNP Z (AR)	AD 2-WMKK-8-31
INSTRUMENT APPROACH CHART - ICAO - RWY 32R RNP Z (AR) (TABULAR 1)	AD 2-WMKK-8-32
INSTRUMENT APPROACH CHART - ICAO - RWY 32R RNP Z (AR) (TABULAR 2)	AD 2-WMKK-8-33
INSTRUMENT APPROACH CHART - ICAO - RWY 32R RNP Y	AD 2-WMKK-8-35
INSTRUMENT APPROACH CHART - ICAO - RWY 32R RNP Y (TABULAR 1)	AD 2-WMKK-8-36
INSTRUMENT APPROACH CHART - ICAO - RWY 32R RNP X	AD 2-WMKK-8-37
INSTRUMENT APPROACH CHART - ICAO - RWY 32R RNP X (TABULAR 1)	AD 2-WMKK-8-38
INSTRUMENT APPROACH CHART - ICAO - RWY 32R VOR/DME	AD 2-WMKK-8-39
INSTRUMENT APPROACH CHART - ICAO - RWY 32R VOR/DME (TABULAR 1)	AD 2-WMKK-8-40
INSTRUMENT APPROACH CHART - ICAO - RWY 33 ILS OR LOC	AD 2-WMKK-8-41
INSTRUMENT APPROACH CHART - ICAO - RWY 33 ILS OR LOC (TABULAR 1)	AD 2-WMKK-8-42
INSTRUMENT APPROACH CHART - ICAO - RWY 33 RNP Z (AR)	AD 2-WMKK-8-43
INSTRUMENT APPROACH CHART - ICAO - RWY 33 RNP Z (AR) (TABULAR 1)	AD 2-WMKK-8-44
INSTRUMENT APPROACH CHART - ICAO - RWY 33 RNP Z (AR) (TABULAR 2)	AD 2-WMKK-8-45
INSTRUMENT APPROACH CHART - ICAO - RWY 33 RNP Y	AD 2-WMKK-8-47
INSTRUMENT APPROACH CHART - ICAO - RWY 33 RNP Y (TABULAR 1)	AD 2-WMKK-8-48
INSTRUMENT APPROACH CHART - ICAO - RWY 33 RNP X	AD 2-WMKK-8-49
INSTRUMENT APPROACH CHART - ICAO - RWY 33 RNP X (TABULAR 1)	AD 2-WMKK-8-50
INSTRUMENT APPROACH CHART - ICAO - RWY 33 VOR/DME	AD 2-WMKK-8-51
INSTRUMENT APPROACH CHART - ICAO - RWY 33 VOR/DME (TABULAR 1)	AD 2-WMKK-8-52

AIRCRAFT PARKING/ DOCKING CHART - ICAO

APRON ELEV
21 M

SEPANG/ KL INTERNATIONAL AIRPORT TERMINAL 1

TABLE 1

AIRCRAFT PARKING / DOCKING STAND POSITION

NO	APRON	AIRCRAFT STANDS		INS COORDINATES FOR ACFT. STANDS		SURFACE & STRENGTH	CRITICAL ACFT. STANDS	VDGS TYPE
		CONTACT STAND	REMOTE	LAT (N)	LONG (E)			
39	EAST TERMINAL NORTH (ETN) 122.15MHZ	B3		02° 45' 15.27"	101° 42' 25.14"	PCR 563/R/C/W/U	B738	SAFEDOCK
40		B5		02° 45' 16.05"	101° 42' 26.30"	PCR 626/R/C/W/U	B38M	SAFEDOCK
41		B7		02° 45' 16.84"	101° 42' 27.46"	PCR 626/R/C/W/U	B38M	SAFEDOCK
42		B9		02° 45' 17.62"	101° 42' 28.62"	PCR 626/R/C/W/U	B38M	SAFEDOCK
43		B11		02° 45' 18.41"	101° 42' 29.78"	PCR 626/R/C/W/U	B38M	SAFEDOCK
44			B13	02° 45' 19.20"	101° 42' 30.94"	PCR 571/R/C/W/U	B38M	
45			B15	02° 45' 19.98"	101° 42' 32.10"	PCR 571/R/C/W/U	B38M	
46			B17	02° 45' 20.77"	101° 42' 33.26	PCR 571/R/C/W/U	B38M	
47			B19	02° 45' 21.56"	101° 42' 34.42"	PCR 571/R/C/W/U	B38M	
48			B21	02° 45' 22.34"	101° 42' 35.58"	PCR 571/R/C/W/U	B38M	
49			B23	02° 45' 23.13"	101° 42' 36.73"	PCR 571/R/C/W/U	B38M	
50			B61	02° 45' 27.91"	101° 42' 41.03"	PCR 686/R/C/W/U	B3XM	
51			B62	02° 45' 26.10"	101° 42' 42.44"	PCR 802/R/C/W/U	B744	
52			B62L	02° 45' 26.50"	101° 42' 41.78"	PCR 626/R/C/W/U	B38M	
53			B62R	02° 45' 25.40"	101° 42' 42.59"	PCR 626/R/C/W/U	B38M	
54			B63	02° 45' 23.49"	101° 42' 44.19"	PCR 802/R/C/W/U	B744	
55			B63L	02° 45' 23.87"	101° 42' 43.55"	PCR 626/R/C/W/U	B38M	
56			B63R	02° 45' 22.69"	101° 42' 44.34"	PCR 626/R/C/W/U	CRJX	
57	EAST TERMINAL EAST (ETE) 122.15MHZ	B2		02° 45' 10.20"	101° 42' 23.11"	PCR 957/R/C/W/U	B744	APIS++
58		B2L		02° 45' 09.20"	101° 42' 22.90"	PCR 571/R/C/W/U	B38M	APIS++
59		B2R		02° 45' 10.53"	101° 42' 23.48"	PCR 571/R/C/W/U	B38M	APIS++
60		B4		02° 45' 11.91"	101° 42' 25.33"	PCR 950/R/C/W/U	B773	APIS++
61		B4L		02° 45' 10.80"	101° 42' 25.12"	PCR 571/R/C/W/U	B38M	APIS++
62		B4R		02° 45' 12.10"	101° 42' 25.79"	PCR 571/R/C/W/U	B38M	APIS++
63		B6		02° 45' 13.31"	101° 42' 27.39"	PCR 950/R/C/W/U	B773	SAFEDOCK
64		B6L		02° 45' 12.29"	101° 42' 27.37"	PCR 571/R/C/W/U	B38M	SAFEDOCK
65		B6R		02° 45' 13.60"	101° 42' 27.82"	PCR 571/R/C/W/U	B38M	SAFEDOCK
66		B8		02° 45' 14.71"	101° 42' 29.46"	PCR 950/R/C/W/U	B773	SAFEDOCK
67		B8L		02° 45' 13.73"	101° 42' 29.54"	PCR 571/R/C/W/U	B38M	SAFEDOCK
68		B8R		02° 45' 14.93"	101° 42' 29.78"	PCR 571/R/C/W/U	B38M	SAFEDOCK
69		B10		02° 45' 16.10"	101° 42' 31.52"	PCR 950/R/C/W/U	B773	SAFEDOCK
70		B10L		02° 45' 15.16"	101° 42' 31.64"	PCR 571/R/C/W/U	B38M	SAFEDOCK
71		B10R		02° 45' 16.42"	101° 42' 31.97"	PCR 571/R/C/W/U	B38M	SAFEDOCK
72			B12	02° 45' 17.76"	101° 42' 34.62"	PCR 686/R/C/W/U	B3XM	
73			B14	02° 45' 19.43"	101° 42' 36.51"	PCR 950/R/C/W/U	B744	
74			B14L	02° 45' 18.48"	101° 42' 36.17"	PCR 571/R/C/W/U	B38M	
75			B14R	02° 45' 19.69"	101° 42' 36.95"	PCR 571/R/C/W/U	B38M	
76			B16	02° 45' 20.56"	101° 42' 38.74"	PCR 950/R/C/W/U	B764	
77			B51	02° 45' 05.89"	101° 42' 29.49"	PCR 802/R/C/W/U	B772	
78			B51L	02° 45' 06.42"	101° 42' 29.76"	PCR 626/R/C/W/U	B38M	

CHANGES : AMEND COORDINATES AIRCRAFT STAND B12,B14,B14L,B14R,B16,B61,B62,B62L,B63,B63L,B63R.
AMEND CRITICAL ACFT. STANDS B63R B38M TO READ AS CRJX.
AMEND CRITICAL ACFT. STANDS B16 B773 TO READ AS B764.
DELETE ROW AIRCRAFT STAND B16L, B16R AND B61L.

AIRCRAFT PARKING/ DOCKING CHART - ICAO

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TABLE 1

AIRCRAFT PARKING / DOCKING STAND POSITION

NO	APRON	AIRCRAFT STANDS		INS COORDINATES FOR ACFT. STANDS		SURFACE & STRENGTH	CRITICAL ACFT. STANDS	VDGS TYPE
		CONTACT STAND	REMOTE	LAT (N)	LONG (E)			
79	EAST TERMINAL EAST (ETE) 122.15MHZ		B51R	02° 45' 05.72"	101° 42' 28.73"	PCR 626/R/C/W/U	B38M	
80			B52	02° 45' 07.11"	101° 42' 31.55"	PCR 802/R/C/W/U	B772	
81			B52L	02° 45' 07.82"	101° 42' 31.83"	PCR 626/R/C/W/U	B38M	
82			B52R	02° 45' 07.12"	101° 42' 30.79"	PCR 626/R/C/W/U	B38M	
83			B53	02° 45' 08.51"	101° 42' 33.61"	PCR 802/R/C/W/U	B772	
84			B53L	02° 45' 09.22"	101° 42' 33.89"	PCR 626/R/C/W/U	B38M	
85			B53R	02° 45' 08.52"	101° 42' 32.86"	PCR 626/R/C/W/U	B38M	
86			B54	02° 45' 09.90"	101° 42' 35.67"	PCR 802/R/C/W/U	B772	
87			B54L	02° 45' 10.61"	101° 42' 35.95"	PCR 626/R/C/W/U	B38M	
88			B54R	02° 45' 09.92"	101° 42' 34.92"	PCR 626/R/C/W/U	B38M	
89	EAST SATELLITE SOUTH (ESS) 122.275MHZ	C1		02° 44' 48.44"	101° 42' 45.26"	PCR 966/R/C/W/U	B744	APIS++
90		C3		02° 44' 47.05"	101° 42' 43.27"	PCR 966/R/C/W/U	B744	APIS++
91		C32		02° 44' 47.39"	101° 42' 50.44"	PCR 957/R/C/W/U	B744	APIS++
92		C34		02° 44' 45.42"	101° 42' 51.87"	PCR 1018/R/C/W/U	B744	APIS++
93		C36		02° 44' 43.39"	101° 42' 53.22"	PCR 1018/R/C/W/U	B744	APIS++
94			C7	02° 44' 45.65"	101° 42' 41.20"	PCR 966/R/C/W/U	B744	
95			C38	02° 44' 41.40"	101° 42' 54.08"	PCR 626/R/C/W/U	B38M	
96			C51	02° 44' 37.51"	101° 42' 48.69"	PCR 626/R/C/W/U	B38M	
97			C52	02° 44' 38.93"	101° 42' 47.26"	PCR 957/R/C/W/U	B744	
98			C52L	02° 44' 38.60"	101° 42' 47.95"	PCR 626/R/C/W/U	A321	
99			C52R	02° 44' 39.69"	101° 42' 47.22"	PCR 626/R/C/W/U	A321	
100			C53	02° 44' 41.11"	101° 42' 45.80"	PCR 957/R/C/W/U	B744	

CHANGES : AMEND NUMBERING OF TABULAR

AIRCRAFT PARKING/ DOCKING CHART - ICAO

APRON ELEV
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SEPANG/ KL INTERNATIONAL AIRPORT TERMINAL 1

TABLE 1

AIRCRAFT PARKING / DOCKING STAND POSITION

NO	APRON	AIRCRAFT STANDS		INS COORDINATES FOR ACFT. STANDS		SURFACE & STRENGTH	CRITICAL ACFT. STANDS	VDGS TYPE
		CONTACT STAND	REMOTE	LAT (N)	LONG (E)			
101	EAST SATELLITE WEST (ESW) 122.85MHZ	C2		02° 44' 51.02"	101° 42' 43.57"	PCR 1179/R/C/W/U	B744	APIS++
102		C4		02° 44' 49.63"	101° 42' 41.58"	PCR 966/R/C/W/U	B744	APIS++
103		C6		02° 44' 55.61"	101° 42' 44.44"	PCR 790/R/C/W/U	B763	APIS++
104		C11		02° 44' 55.54"	101° 42' 44.43"	PCR 686/R/C/W/U	B752	APIS++
105		C13		02° 44' 57.00"	101° 42' 43.45"	PCR 686/R/C/W/U	B752	APIS++
106		C15		02° 44' 58.90"	101° 42' 42.50"	PCR 1018/R/C/W/U	B744	APIS++
107		C17		02° 45' 01.38"	101° 42' 41.78"	PCR 977/R/C/W/U	A388	APIS++
108			C61	02° 44' 55.70"	101° 42' 37.25"	PCR 957/R/C/W/U	B744	
109	EAST SATELLITE NORTH (ESN) 122.85MHZ		C62	02° 44' 54.33"	101° 42' 35.63"	PCR 571/R/C/W/U	B752	
110		C12		02° 44' 58.05"	101° 42' 47.25"	PCR 1018/R/C/W/U	B748	APIS++
111		C12R		02° 44' 58.15"	101° 42' 47.29"	PCR 977/R/C/W/U	A388	AIRPARK
112		C14		02° 45' 00.08"	101° 42' 45.89"	PCR 950/R/C/W/U	B744	APIS++
113		C16		02° 45' 02.11"	101° 42' 44.53"	PCR 966/R/C/W/U	B744	APIS++
114		C16R		02° 45' 02.17"	101° 42' 44.52"	PCR 977/R/C/W/U	A388	AIRPARK
115		C21		02° 44' 57.11"	101° 42' 51.71"	PCR 626/R/C/W/U	B38M	APIS++
116		C23		02° 44' 58.04"	101° 42' 53.08"	PCR 686/R/C/W/U	B38M	APIS++
117		C25		02° 44' 58.88"	101° 42' 55.09"	PCR 957/R/C/W/U	B744	APIS++
118		C27		02° 44' 59.77"	101° 42' 57.46"	PCR 977/R/C/W/U	A388	APIS++
119			C18	02° 45' 03.98"	101° 42' 43.55"	PCR 626/R/C/W/U	B38M	
120			C72	02° 45' 07.86"	101° 42' 50.12"	PCR 977/R/C/W/U	A388	
121			C72L	02° 45' 07.86"	101° 42' 50.12"	PCR 626/R/C/W/U	B38M	
122			C72R	02° 45' 07.86"	101° 42' 50.12"	PCR 626/R/C/W/U	B38M	
123			C73	02° 45' 05.20"	101° 42' 51.91"	PCR 977/R/C/W/U	A388	
124			C73L	02° 45' 05.20"	101° 42' 51.91"	PCR 626/R/C/W/U	B38M	
125			C73R	02° 45' 05.20"	101° 42' 51.91"	PCR 626/R/C/W/U	B38M	
126			C74	02° 45' 07.41"	101° 42' 53.54"	PCR 977/R/C/W/U	A388	
127			C74L	02° 45' 07.41"	101° 42' 53.54"	PCR 626/R/C/W/U	B38M	
128			C74R	02° 45' 07.41"	101° 42' 53.54"	PCR 626/R/C/W/U	B38M	

CHANGES : AMEND NUMBERING OF TABULAR

AIRCRAFT PARKING/ DOCKING CHART - ICAO

APRON ELEV
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SEPANG/ KL INTERNATIONAL AIRPORT TERMINAL 1

TABLE 1

AIRCRAFT PARKING / DOCKING STAND POSITION

NO	APRON	AIRCRAFT STANDS		INS COORDINATES FOR ACFT. STANDS		SURFACE & STRENGTH	CRITICAL ACFT. STANDS	VDGS TYPE
		CONTACT STAND	REMOTE	LAT (N)	LONG (E)			
129	EAST SATELLITE EAST (ESE) 122.275MHZ	C22		02° 44' 54.32"	101° 42' 54.09"	PCR 957/R/C/W/U	B744	APIS++
130		C24		02° 44' 55.76"	101° 42' 56.05"	PCR 1018/R/C/W/U	B744	APIS++
131		C26		02° 44' 57.13"	101° 42' 58.07"	PCR 1018/R/C/W/U	B744	APIS++
132		C31		02° 44' 49.78"	101° 42' 53.19"	PCR 686/R/C/W/U	B752	APIS++
133		C33		02° 44' 48.23"	101° 42' 54.03"	PCR 686/R/C/W/U	B752	APIS++
134		C35		02° 44' 46.28"	101° 42' 54.94"	PCR 1018/R/C/W/U	B744	APIS++
135		C37		02° 44' 44.00"	101° 42' 55.85"	PCR 977/R/C/W/U	A388	APIS++
136			C28	02° 44' 58.15"	101° 43' 00.05"	PCR 686/R/C/W/U	B38M	
137			C81	02° 44' 52.65"	101° 43' 04.10"	PCR 626/R/C/W/U	B38M	
138			C82	02° 44' 51.13"	101° 43' 02.50"	PCR 1179/R/C/W/U	B744	
139			C82L	02° 44' 51.09"	101° 43' 01.74"	PCR 626/R/C/W/U	B38M	
140			C82R	02° 44' 51.83"	101° 43' 02.83"	PCR 626/R/C/W/U	B83M	
141			C83	02° 44' 49.66"	101° 43' 00.33"	PCR 957/R/C/W/U	B744	
142	EAST CARGO SOUTH (ECS) 121.8MHZ		F8	02° 44' 03.53"	101° 42' 36.15"	PCR 950/R/C/W/U	B748	
143			F8L	02° 44' 03.86"	101° 42' 35.41"	PCR 626/R/C/W/U	A321	
144			F8R	02° 44' 02.71"	101° 42' 36.18"	PCR 626/R/C/W/U	A321	
145			F9	02° 44' 01.23"	101° 42' 37.69"	PCR 950/R/C/W/U	B748	
146			F9L	02° 44' 01.56"	101° 42' 36.95"	PCR 626/R/C/W/U	A321	
147			F9R	02° 44' 00.42"	101° 42' 37.72"	PCR 626/R/C/W/U	A321	
148			F10	02° 43' 58.94"	101° 42' 39.23"	PCR 929/R/C/W/U	B748	
149			F10L	02° 43' 59.27"	101° 42' 38.49"	PCR 626/R/C/W/U	A321	
150			F10R	02° 43' 58.12"	101° 42' 39.26"	PCR 626/R/C/W/U	A321	
151			F11	02° 43' 56.64"	101° 42' 40.77"	PCR 950/R/C/W/U	B748	
152			F11L	02° 43' 56.97"	101° 42' 40.03"	PCR 626/R/C/W/U	A321	
153			F11R	02° 43' 55.83"	101° 42' 40.80"	PCR 626/R/C/W/U	A321	

CHANGES : AMEND NUMBERING OF TABULAR

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TABLE 1

AIRCRAFT PARKING / DOCKING STAND POSITION

NO	APRON	AIRCRAFT STANDS		INS COORDINATES FOR ACFT. STANDS		SURFACE & STRENGTH	CRITICAL ACFT. STANDS
		CONTACT STAND	REMOTE	LAT (N)	LONG (E)		
154	EAST CARGO WEST (ECW) 123.25MHZ		F1	02° 44' 16.80"	101° 42' 50.96"	PCR 1140/R/C/W/U	B748
155			F1L	02° 44' 17.55"	101° 42' 51.28"	PCR 626/R/C/W/U	B38M
156			F1R	02° 44' 16.78"	101° 42' 50.14"	PCR 626/R/C/W/U	B38M
157			F2	02° 44' 15.25"	101° 42' 48.68"	PCR 1140/R/C/W/U	B748
158			F2L	02° 44' 16.00"	101° 42' 49.00"	PCR 626/R/C/W/U	B38M
159			F2R	02° 44' 15.23"	101° 42' 47.86"	PCR 626/R/C/W/U	B38M
160			F3	02° 44' 13.70"	101° 42' 46.40"	PCR 1140/R/C/W/U	B748
161			F3L	02° 44' 14.45"	101° 42' 46.72"	PCR 626/R/C/W/U	B38M
162			F3R	02° 44' 13.68"	101° 42' 45.58"	PCR 626/R/C/W/U	B38M
163			F4	02° 44' 12.15"	101° 42' 44.11"	PCR 1140/R/C/W/U	B748
164			F4L	02° 44' 12.91"	101° 42' 44.44"	PCR 626/R/C/W/U	B38M
165			F4R	02° 44' 12.13"	101° 42' 43.30"	PCR 626/R/C/W/U	B38M
166			F5	02° 44' 10.61"	101° 42' 41.83"	PCR 1140/R/C/W/U	B748
167			F5L	02° 44' 11.36"	101° 42' 42.16"	PCR 626/R/C/W/U	B38M
168			F5R	02° 44' 10.59"	101° 42' 41.02"	PCR 626/R/C/W/U	B38M
169			F6	02° 44' 09.06"	101° 42' 39.55"	PCR 1140/R/C/W/U	B748
170			F6L	02° 44' 09.81"	101° 42' 39.88"	PCR 626/R/C/W/U	B38M
171			F6R	02° 44' 09.04"	101° 42' 38.73"	PCR 626/R/C/W/U	B38M
172			F7	02° 44' 07.51"	101° 42' 37.27"	PCR 1140/R/C/W/U	B748
173			F7L	02° 44' 08.27"	101° 42' 37.59"	PCR 626/R/C/W/U	B38M
174			F7R	02° 44' 07.49"	101° 42' 36.45"	PCR 626/R/C/W/U	B38M
175	EAST CARGO NORTH (ECN) 123.25MHZ		F21	02° 44' 21.09"	101° 42' 57.30"	PCR 1140/R/C/W/U	B744
176			F21L	02° 44' 21.84"	101° 42' 57.62"	PCR 626/R/C/W/U	A321
177			F21R	02° 44' 21.07"	101° 42' 56.48"	PCR 626/R/C/W/U	A321
178			F22	02° 44' 22.64"	101° 42' 59.58"	PCR 1140/R/C/W/U	B744
179			F22L	02° 44' 23.39"	101° 42' 59.90"	PCR 626/R/C/W/U	A321
180			F22R	02° 44' 22.62"	101° 42' 58.76"	PCR 626/R/C/W/U	A321
181			F23	02° 44' 24.18"	101° 43' 01.86"	PCR 1140/R/C/W/U	B744
182			F23L	02° 44' 24.94"	101° 43' 02.18"	PCR 626/R/C/W/U	A321
183			F23R	02° 44' 24.16"	101° 43' 01.04"	PCR 626/R/C/W/U	A321
184			F24	02° 44' 26.69"	101° 43' 02.41"	PCR 1140/R/C/W/U	B744
185			F24L	02° 44' 27.19"	101° 43' 02.90"	PCR 626/R/C/W/U	A321
186			F24R	02° 44' 26.42"	101° 43' 01.76"	PCR 626/R/C/W/U	A321
187			F25	02° 44' 27.42"	101° 43' 06.34"	PCR 1140/R/C/W/U	B744
188			F25L	02° 44' 28.14"	101° 43' 06.69"	PCR 626/R/C/W/U	A321
189			F25R	02° 44' 27.36"	101° 43' 05.55"	PCR 626/R/C/W/U	A321

CHANGES : AMEND NUMBERING OF TABULAR

AIRCRAFT PARKING/ DOCKING CHART - ICAO

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TABLE 1

AIRCRAFT PARKING / DOCKING STAND POSITION							
NO	APRON	AIRCRAFT STANDS		INS COORDINATES FOR ACFT. STANDS		SURFACE & STRENGTH	CRITICAL ACFT. STANDS
		CONTACT STAND	REMOTE	LAT (N)	LONG (E)		
190	EAST CARGO NORTH (ECN) 123.25MHZ		F26	02° 44' 28.97"	101° 43' 08.63"	PCR 1140/R/C/W/U	B744
191			F26L	02° 44' 29.69"	101° 43' 08.97"	PCR 626/R/C/W/U	A321
192			F26R	02° 44' 28.91"	101° 43' 07.83"	PCR 626/R/C/W/U	A321
193			F27	02° 44' 30.60"	101° 43' 11.04"	PCR 1140/R/C/W/U	A388
194			F27L	02° 44' 31.24"	101° 43' 11.25"	PCR 626/R/C/W/U	A321
195			F27R	02° 44' 30.46"	101° 43' 10.11"	PCR 626/R/C/W/U	B739
196	EAST CARGO EAST (ECE) 123.25MHZ		F28	02° 44' 29.96"	101° 43' 15.23"	PCR 1140/R/C/W/U	B744
197			F28L	02° 44' 29.62"	101° 43' 15.95"	PCR 626/R/C/W/U	A321
198			F28R	02° 44' 30.76"	101° 43' 15.18"	PCR 626/R/C/W/U	A321
199			F29	02° 44' 27.67"	101° 43' 16.77"	PCR 1140/R/C/W/U	B744
200			F29L	02° 44' 27.32"	101° 43' 17.48"	PCR 626/R/C/W/U	A321
201			F29R	02° 44' 28.47"	101° 43' 16.72"	PCR 626/R/C/W/U	A321
202			F30	02° 44' 25.37"	101° 43' 18.30"	PCR 1140/R/C/W/U	B744
203			F30L	02° 44' 25.03"	101° 43' 19.02"	PCR 626/R/C/W/U	A321
204			F30R	02° 44' 26.17"	101° 43' 18.25"	PCR 626/R/C/W/U	A321
205			F31	02° 44' 23.08"	101° 43' 19.84"	PCR 1140/R/C/W/U	B744
206			F31L	02° 44' 22.73"	101° 43' 20.56"	PCR 626/R/C/W/U	A321
207			F31R	02° 44' 23.88"	101° 43' 19.79"	PCR 626/R/C/W/U	A321
208			F32	02° 44' 20.79"	101° 43' 21.38"	PCR 1140/R/C/W/U	B744
209			F32L	02° 44' 20.44"	101° 43' 22.10"	PCR 626/R/C/W/U	A321
210			F32R	02° 44' 21.59"	101° 43' 21.33"	PCR 626/R/C/W/U	A321
211			F33	02° 44' 18.49"	101° 43' 22.92"	PCR 1140/R/C/W/U	B744
212			F33L	02° 44' 18.14"	101° 43' 23.64"	PCR 626/R/C/W/U	A321
213			F33R	02° 44' 19.29"	101° 43' 22.87"	PCR 626/R/C/W/U	A321
214			F34	02° 44' 16.20"	101° 43' 24.46"	PCR 1140/R/C/W/U	B744
215			F34L	02° 44' 15.85"	101° 43' 25.18"	PCR 626/R/C/W/U	A321
216			F34R	02° 44' 17.00"	101° 43' 24.41"	PCR 626/R/C/W/U	A321
217	MAINTENANCE STAND ONLY						
218			M1	NOT APPLICABLE	NOT APPLICABLE	PCR 768/R/C/W/U	B744
219			M2	NOT APPLICABLE	NOT APPLICABLE	PCR 768/R/C/W/U	B744
220			M3	NOT APPLICABLE	NOT APPLICABLE	PCR 768/R/C/W/U	B744
221			M4	NOT APPLICABLE	NOT APPLICABLE	PCR 768/R/C/W/U	B744
222			M5	NOT APPLICABLE	NOT APPLICABLE	PCR 768/R/C/W/U	B744

CHANGES : AMEND NUMBERING OF TABULAR

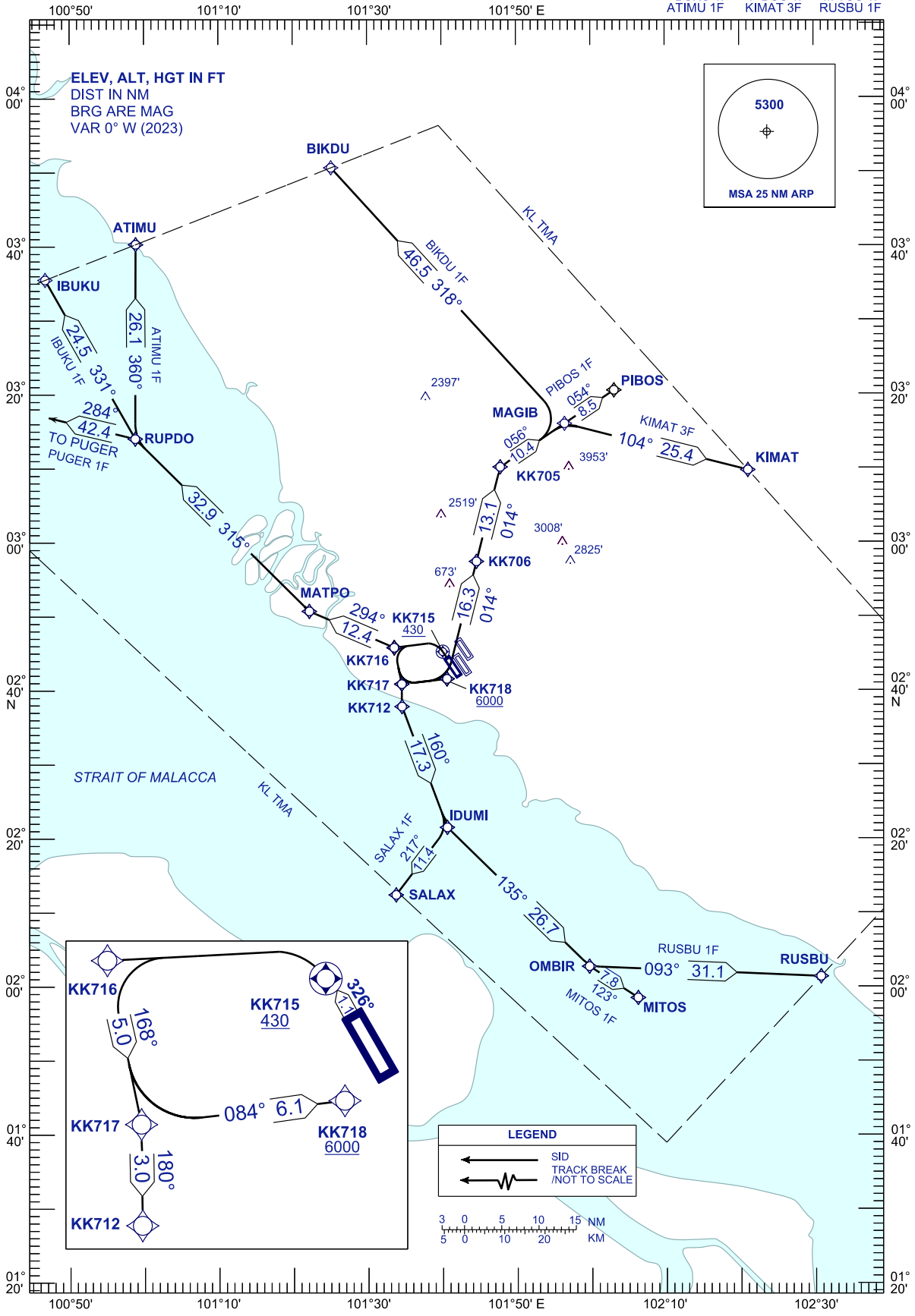
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO

TRANSITION ALT 11 000 FT

APP	124.200 118.650 135.250	TWR	119.800
		GND	118.050
		ATIS	126.450

SEPANG/KL INTERNATIONAL AIRPORT (WMKK) RNP 1 (GNSS) RWY 33

PUGER 1F IBUKU 1F ATIMU 1F
BIKDU 1F PIBOS 1F KIMAT 3F
SALAX 1F MITOS 1F RUSBU 1F



CHANGES : ADD KK718 TO THE CHART

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11 000 FT

SEPANG/KL INTERNATIONAL AIRPORT (WMKK)
RNP 1 (GNSS) RWY 33

PUGER 1F BIKDU 1F SALAX 1F
IBUKU 1F PIBOS 1F MITOS 1F
ATIMU 1F KIMAT 3F RUSBU 1F

TABULAR DESCRIPTION

PUGER ONE FOXTROT DEPARTURE (PUGER 1F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK715	Y	326	-	1.1	-	+430	-	RNP 1
DF	KK716	-	-	-	-	L	-	-	RNP 1
TF	MATPO	-	294	-	12.4	R	-	-	RNP 1
TF	RUPDO	-	315	-	32.9	R	-	-	RNP 1
TF	PUGER	-	284	-	42.4	L	-	-	RNP 1

IBUKU ONE FOXTROT DEPARTURE (IBUKU 1F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK715	Y	326	-	1.1	-	+430	-	RNP 1
DF	KK716	-	-	-	-	L	-	-	RNP 1
TF	MATPO	-	294	-	12.4	R	-	-	RNP 1
TF	RUPDO	-	315	-	32.9	R	-	-	RNP 1
TF	IBUKU	-	331	-	24.5	R	-	-	RNP 1

ATIMU ONE FOXTROT DEPARTURE (ATIMU 1F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK715	Y	326	-	1.1	-	+430	-	RNP 1
DF	KK716	-	-	-	-	L	-	-	RNP 1
TF	MATPO	-	294	-	12.4	R	-	-	RNP 1
TF	RUPDO	-	315	-	32.9	R	-	-	RNP 1
TF	ATIMU	-	360	-	26.1	R	-	-	RNP 1

BIKDU ONE FOXTROT DEPARTURE (BIKDU 1F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK715	Y	326	-	1.1	-	+430	-	RNP 1
DF	KK716	-	-	-	-	L	-	-	RNP 1
TF	KK717	-	168	-	5.0	L	-	-	RNP 1
TF	KK718	-	084	-	6.1	L	+6000	-	RNP 1
TF	KK706	-	014	-	16.3	L	-	-	RNP 1
TF	KK705	-	014	-	13.1	-	-	-	RNP 1
TF	MAGIB	-	056	-	10.4	R	-	-	RNP 1
TF	BIKDU	-	318	-	46.5	L	-	-	RNP 1

CHANGES : REPLACEMENT CHART

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11 000 FT

SEPANG/KL INTERNATIONAL AIRPORT (WMKK)
RNP 1 (GNSS) RWY 33

PUGER 1F BIKDU 1F SALAX 1F
IBUKU 1F PIBOS 1F MITOS 1F
ATIMU 1F KIMAT 3F RUSBU 1F

PIBOS ONE FOXTROT DEPARTURE (PIBOS 1F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK715	Y	326	-	1.1	-	+430	-	RNP 1
DF	KK716	-	-	-	-	L	-	-	RNP 1
TF	KK717	-	168	-	5.0	L	-	-	RNP 1
TF	KK718	-	084	-	6.1	L	+6000	-	RNP 1
TF	KK706	-	014	-	16.3	L	-	-	RNP 1
TF	KK705	-	014	-	13.1	-	-	-	RNP 1
TF	MAGIB	-	056	-	10.4	R	-	-	RNP 1
TF	PIBOS	-	054	-	8.5	-	-	-	RNP 1

KIMAT THREE FOXTROT DEPARTURE (KIMAT 3F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK715	Y	326	-	1.1	-	+430	-	RNP 1
DF	KK716	-	-	-	-	L	-	-	RNP 1
TF	KK717	-	168	-	5.0	L	-	-	RNP 1
TF	KK718	-	084	-	6.1	L	+6000	-	RNP 1
TF	KK706	-	014	-	16.3	L	-	-	RNP 1
TF	KK705	-	014	-	13.1	-	-	-	RNP 1
TF	MAGIB	-	056	-	10.4	R	-	-	RNP 1
TF	KIMAT	-	104	-	25.4	R	-	-	RNP 1

RUSBU ONE FOXTROT DEPARTURE (RUSBU 1F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK715	Y	326	-	1.1	-	+430	-	RNP 1
DF	KK716	-	-	-	-	L	-	-	RNP 1
TF	KK717	-	168	-	5.0	L	-	-	RNP 1
TF	KK712	-	180	-	3.0	-	-	-	RNP 1
TF	IDUMI	-	160	-	17.3	L	-	-	RNP 1
TF	OMBIR	-	135	-	26.7	L	-	-	RNP 1
TF	RUSBU	-	093	-	31.1	L	-	-	RNP 1

CHANGES : REPLACEMENT CHART

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11 000 FT

SEPANG/KL INTERNATIONAL
AIRPORT (WMKK)
RNP 1 (GNSS) RWY 33

PUGER 1F BIKDU 1F SALAX 1F
IBUKU 1F PIBOS 1F MITOS 1F
ATIMU 1F KIMAT 3F RUSBU 1F

MITOS ONE FOXTROT DEPARTURE (MITOS 1F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK715	Y	326	-	1.1	-	+430	-	RNP 1
DF	KK716	-	-	-	-	L	-	-	RNP 1
TF	KK717	-	168	-	5.0	L	-	-	RNP 1
TF	KK712	-	180	-	3.0	-	-	-	RNP 1
TF	IDUMI	-	160	-	17.3	L	-	-	RNP 1
TF	OMBIR	-	135	-	26.7	L	-	-	RNP 1
TF	MITOS	-	123	-	7.8	-	-	-	RNP 1

SALAX ONE FOXTROT DEPARTURE (SALAX 1F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK715	Y	326	-	1.1	-	+430	-	RNP 1
DF	KK716	-	-	-	-	L	-	-	RNP 1
TF	KK717	-	168	-	5.0	L	-	-	RNP 1
TF	KK712	-	180	-	3.0	-	-	-	RNP 1
TF	IDUMI	-	160	-	17.3	L	-	-	RNP 1
TF	SALAX	-	217	-	11.4	R	-	-	RNP 1

CHANGES : REPLACEMENT CHART

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11 000 FT

SEPANG/KL INTERNATIONAL AIRPORT (WMKK)
RNP 1 (GNSS) RWY 33

PUGER 1F BIKDU 1F SALAX 1F
IBUKU 1F PIBOS 1F MITOS 1F
ATIMU 1F KIMAT 3F RUSBU 1F

WAYPOINT LIST

WAYPOINT IDENTIFIER	COORDINATES	
ATIMU	03°40'17.56" N	100°58'52.25" E
BIKDU	03°50'37.38" N	101°25'07.73" E
IBUKU	03°35'29.81" N	100°46'41.87" E
IDUMI	02°21'30.70" N	101°40'36.19" E
KIMAT	03°09'43.92" N	102°21'02.16" E
MAGIB	03°16'02.01" N	101°56'26.02" E
MATPO	02°50'42.98" N	101°22'07.24" E
MITOS	01°58'30.00" N	102°06'10.08" E
OMBIR	02°02'44.06" N	101°59'38.50" E
PIBOS	03°21'06.12" N	102°03'15.84" E
PUGER	03°23'59.00" N	100°17'31.00" E
RUPDO	03°14'01.81" N	100°58'47.14" E
RUSBU	02°01'22.72" N	102°30'42.11" E
SALAX	02°12'24.12" N	101°33'47.88" E
KK705	03°10'10.55" N	101°47'47.11" E
KK706	02°57'25.30" N	101°44'34.29" E
KK712	02°37'49.74" N	101°34'32.61" E
KK715	02°45'14.15" N	101°40'01.01" E
KK716	02°45'47.16" N	101°33'30.34" E
KK717	02°40'52.09" N	101°34'30.88" E
KK718	02°41'34.11" N	101°40'35.00" E

CHANGES : REPLACEMENT CHART

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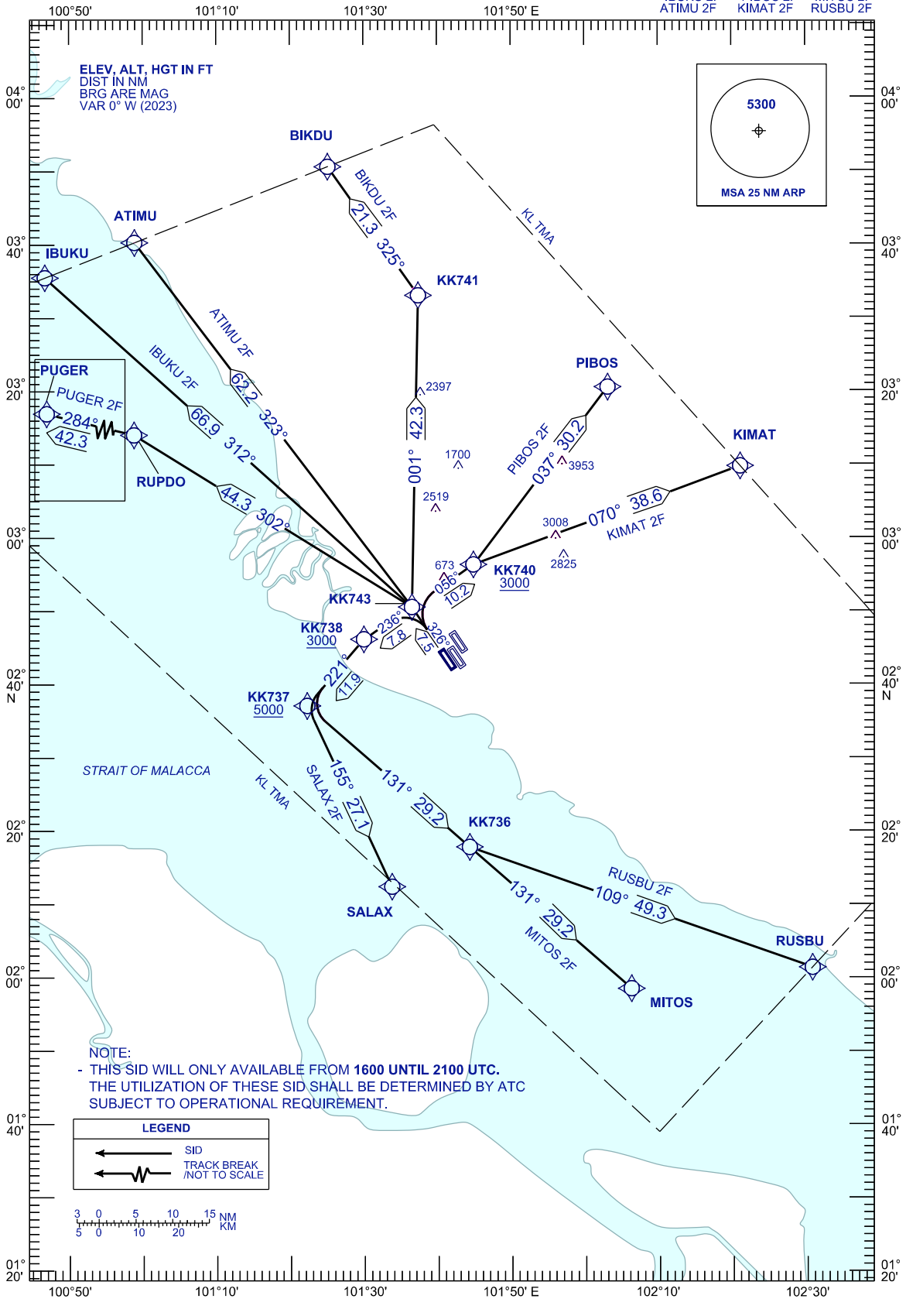
STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO

TRANSITION ALT 11000 FT

APP	124.200 118.650 135.250	TWR	119.800
		GND	118.050
		ATIS	126.450

SEPANG/KL INTERNATIONAL AIRPORT (WMKK)
RNP 1 (GNSS) RWY 33

PUGER 2F BIKDU 2F SALAX 2F
IBUKU 2F PIBOS 2F MITOS 2F
ATIMU 2F KIMAT 2F RUSBU 2F



CHANGES : NEW CHART.

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11000 FT

SEPANG/KL INTERNATIONAL AIRPORT (WMKK)
RNP 1 (GNSS) RWY 33

PUGER 2F BIKDU 2F SALAX 2F
IBUKU 2F PIBOS 2F MITOS 2F
ATIMU 2F KIMAT 2F RUSBU 2F

TABULAR DESCRIPTION

PUGER TWO FOXTROT DEPARTURE (PUGER 2F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK743	-	326	-	7.5	-	-	-	RNP 1
TF	RUPDO	-	302	-	44.3	L	-	-	RNP 1
TF	PUGER	-	284	-	42.3	L	-	-	RNP 1

IBUKU TWO FOXTROT DEPARTURE (IBUKU 2F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK743	-	326	-	7.5	-	-	-	RNP 1
TF	IBUKU	-	312	-	66.9	-	-	-	RNP 1

ATIMU TWO FOXTROT DEPARTURE (ATIMU 2F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK743	-	326	-	7.5	-	-	-	RNP 1
TF	ATIMU	-	323	-	62.2	-	-	-	RNP 1

BİKDU TWO FOXTROT DEPARTURE (BİKDU 2F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK743	-	326	-	7.5	-	-	-	RNP 1
TF	KK741	-	001	-	42.3	R	-	-	RNP 1
TF	BIKDU	-	325	-	21.3	L	-	-	RNP 1

PIBOS TWO FOXTROT DEPARTURE (PIBOS 2F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK743	-	326	-	7.5	-	-	-	RNP 1
TF	KK740	-	056	-	10.2	R	+3000	-	RNP 1
TF	PIBOS	-	037	-	30.2	L	-	-	RNP 1

KIMAT TWO FOXTROT DEPARTURE (KIMAT 2F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK743	-	326	-	7.5	-	-	-	RNP 1
TF	KK740	-	056	-	10.2	R	+3000	-	RNP 1
TF	KIMAT	-	070	-	38.6	-	-	-	RNP 1

CHANGES : NEW CHART.

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11000 FT

SEPANG/KL INTERNATIONAL AIRPORT (WMKK)
RNP 1 (GNSS) RWY 33

PUGER 2F BIKDU 2F SALAX 2F
IBUKU 2F PIBOS 2F MITOS 2F
ATIMU 2F KIMAT 2F RUSBU 2F

RUSBU TWO FOXTROT DEPARTURE (RUSBU 2F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK743	-	326	-	7.5	-	-	-	RNP 1
TF	KK738	-	236	-	7.8	L	+3000	-	RNP 1
TF	KK737	-	221	-	11.9	-	+5000	-	RNP 1
TF	KK736	-	131	-	29.2	L	-	-	RNP 1
TF	RUSBU	-	109	-	49.3	L	-	-	RNP 1

MITOS TWO FOXTROT DEPARTURE (MITOS 2F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK743	-	326	-	7.5	-	-	-	RNP 1
TF	KK738	-	236	-	7.8	L	+3000	-	RNP 1
TF	KK737	-	221	-	11.9	-	+5000	-	RNP 1
TF	KK736	-	131	-	29.2	L	-	-	RNP 1
TF	MITOS	-	131	-	29.2	-	-	-	RNP 1

SALAX TWO FOXTROT DEPARTURE (SALAX 2F)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE °M	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CF	KK743	-	326	-	7.5	-	-	-	RNP 1
TF	KK738	-	236	-	7.8	L	+3000	-	RNP 1
TF	KK737	-	221	-	11.9	-	+5000	-	RNP 1
TF	SALAX	-	155	-	27.1	L	-	-	RNP 1

CHANGES : NEW CHART.

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11000 FT

SEPANG/KL INTERNATIONAL AIRPORT (WMKK)
RNP 1 (GNSS) RWY 33

PUGER 2F BIKDU 2F SALAX 2F
IBUKU 2F PIBOS 2F MITOS 2F
ATIMU 2F KIMAT 2F RUSBU 2F

WAYPOINT LIST

WAYPOINT IDENTIFIER	COORDINATES
ATIMU	03°40'17.56" N 100°58'52.25" E
BIKDU	03°50'37.38" N 101°25'07.73" E
IBUKU	03°35'29.81" N 100°46'41.87" E
KIMAT	03°09'43.92" N 102°21'02.16" E
KK736	02°17'48.56" N 101°44'15.39" E
KK737	02°37'04.46" N 101°22'14.29" E
KK738	02°46'08.99" N 101°29'56.63" E
KK740	02°56'19.91" N 101°44'48.77" E
KK741	03°33'03.46" N 101°37'22.67" E
KK743	02°50'32.50" N 101°36'27.54" E
MITOS	01°58'30.00" N 102°06'10.08" E
PIBOS	03°21'06.12" N 102°03'15.84" E
PUGER	03°23'59.00" N 100°17'31.00" E
RUPDO	03°14'01.81" N 100°58'47.14" E
RUSBU	02°01'22.72" N 102°30'42.11" E
SALAX	02°12'24.12" N 101°33'47.88" E

CHANGES : NEW CHART.

WMKL AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	**Bay 1** Apron Surface: Concrete (Rigid) Strength: PCR 873 / RIGID / C / W / U **Bay 2**, **Bay 3**, **Bay 4, Bay 5, Bay 6, Bay 7, Bay 8, Bay 9, Bay 10, Bay 11, Bay 12, Bay 13, Bay 14 & Bay 15** Apron Surface: Concrete (Rigid) Strength: PCR 685 / R / C / W / U
2	Taxiway width, surface and strength	**Taxiway A** Width: 23 M Surface: Asphalt (Flexible) Strength: PCR 550 / F / A / W / U **Taxiway B** Width: 23 M Surface: Asphalt (Flexible) Strength: PCR 524 / F / B / W / U **Taxiway C** Width: 23 M Surface: Asphalt (Flexible) Strength: PCR 481 / F / A / W / U **Apron Taxiway B1** and **Aircraft Stand Taxilane C1** Width: 22 M Surface:Concrete (Rigid) Strength: PCR 685 / R / C / W / U
3	ACL location and elevation	Location: Terminal Apron Elevation: 9 M (30 FT)
4	VOR checkpoints	NIL
5	INS checkpoints	At aircraft parking stands (See AD 2-WMKL-2-3)
6	Remarks	1. Turn pad approximately 2439 M from RWY 21 closed permanently and area marked X. Turn pad edge light eliminated. 2. Taxiway C, Apron Taxiway B1 and Aircraft Stand Taxilane C1 are restricted to Code C aircraft or smaller.

WMKL AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Taxiing guidance signs at all intersection with TWY and RWY and at all holding positions. Guide lines at apron. Nose-in guidance at aircraft stands.
2	RWY and TWY markings and LGT	RWY Markings : Designation, threshold, side stripe, transverse stripe, centre line and runway turn pad markings. Touchdown zone, aiming point and arrows markings for RWY 03 only. Chevron markings at RWY 21 only. RWY LGT : Edge and end lights. Threshold and wing bar lights for RWY 03 only. TWY markings : Centre line, taxi side stripe, runway-holding position and transverse stripe markings. TWY LGT : Centre line (on curve and exit taxiway) and edge lights.
3	Stop bars	NIL

4	Remarks	Turn pad and marking RWY 03 and 21 to cater code C aircraft and below.

WMKL AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMKLOB001	RADAR ANTENNA	062015N 0994444E	HGT 486 FT	Marked, LGTD	Erected on hill, DIST 1.53 KM, BRG 076° from airport.
WMKLOB002	Hill Pulau Rebak,	NIL	HGT 472 FT AMSL	Not LGTD	DIST 6.63 KM BRG 225° from airport.
WMKLOB003	Hill Bukit Wang	NIL	HGT 856 FT AMSL	Not LGTD	DIST 5 KM, BRG 160° from airport.
WMKLOB004	Hill Pulau Rebak Kecil.	NIL	HGT 245 FT AMSL	Not LGTD	DIST 6.63 KM, BRG 210° from airport.
WMKLOB005	TELECOM TWR	062220.5N 0995147.6E	HGT 250 FT AMSL.	NIL	Erected at Kisap,
WMKLOB006	TELECOM TWR	062511.4N 0994808.6E	HGT 160 FT AMSL.	NIL	Erected at Padang Lalang.
WMKLOB007	TELECOM TWR	061831.8N 0995155.6E	HGT 80 FT AMSL.	NIL	Erected at Teluk Baru,
WMKLOB008	TELECOM TWR	062227.5N 0994035.6E	HGT 200 FT AMSL.	NIL	Erected at Ulu Melaka
WMKLOB009	TELECOM TWR	062410.4N 0995116.6E	HGT 200 FT AMSL.	NIL	Erected at Kampung Kilim
WMKLOB010	TELECOM TWR	061012.5N 0994411.6E	HGT 200 FT AMSL.	NIL	Erected at Teluk Baru,
WMKLOB011	TOWER MAST	061925.8N 0994753.4E	HGT 150 FT AMSL	NIL	NIL
WMKLOB012	TOWER MAST (GREY)	062132.4N 0994351E	HGT 150 FT AMSL	NIL	NIL
WMKLOB013	TOWER MAST (GREY)	062118.6N 0994351.0E	HGT 150 FT AMSL	NIL	NIL
WMKLOB014	TOWER MAST (GREY)	062101.2N 0994358.8E	HGT 150 FT AMSL	NIL	NIL
WMKLOB015	TOWER MAST (GREY)	062139N 0994433.6E	HGT 150 FT AMSL	NIL	NIL
WMKLOB016	TOWER MAST (GREY)	062143.8N 0994255.8E	HGT 150 FT AMSL	NIL	NIL
WMKLOB017	TOWER MAST (GREY)	062154N 0994457.6E	HGT 150 FT AMSL	NIL	NIL
WMKLOB018	TOWER MAST (RED)	0994444E 062106.6N	HGT 200 FT AMSL	NIL	NIL
WMKLOB019	TOWER MAST (BLACK)	062140.8N 0994218E	HGT 250FT AMSL	NIL	NIL
WMKLOB020	WATER TANK	062033.6N 0994326.4E	HGT 150 FT AMSL	NIL	NIL

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMKLOB021	HIGH BUILDING BRIDGE	062104.8N 0994312E	HGT 150 FT AMSL	NIL	NIL

In Area 3					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
NIL	NIL	NIL	NIL	NIL	NIL

WMKL AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMS LANGKAWI
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO BAYAN LEPAS H24 (0024 0606 1212 1818)
4	Trend forecast Interval of issuance	-
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts,Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and consultation but charts available upon request
8	Supplementary equipment available for providing information	Aviation Self-Briefing Terminal - ABT (Internet)
9	ATS units provided with information	Langkawi APP/TWR
10	Additional information (limitation of service, etc.)	TEL: +604 - 9551277 Telefax:+604 - 9554852

WMKL AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCR) surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
03	034.36°	3813 x 45	PCR 550 / F / A / W / U Asphalt (Flexible)	THR coordinates 061912.41N 0994319.27E RWY end coordinates 062038.46N 0994418.07E GUND: -16.0M	THR elevation: 5.0 M (16.4 FT) TDZ elevation: 5.0 M (16.4 FT)
21	214.36°	3813 x 45	PCR 550 / F / A / W / U Asphalt (Flexible)	THR coordinates 062038.46N 0994418.07E RWY end coordinates 061856.07N 0994308.03E GUND: -16.0M	THR elevation: 7.3 M (24.0 FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
0.07%	NIL	NIL	3933 x 280	NIL	RESA: 90 M X 90 M
-0.07%	NIL	NIL	3933 x 280	NIL	RESA: 90 M X 90 M

WMKL AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
03	NU	NU	NU	3203	THR RWY 03 displaced by 610M (2000FT). Marked and lighted accordingly.
21	3813	3813	3813	NU	-

WMKN AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	KUALA TERENGGANU CTR Commencing from 045350N 1030804E, clockwise along an arc of a circle 28 NM radius centered on VKR DVOR/DME 052138.4N 1030454.2E, to 050708N 1024104E, thence straight line to 055737N 1030656E, thence along the arc of a circle 36 NM radius centered on VKR DVOR/DME to 054331N 1033337E, thence a straight line to 045350N 1030804E.
2	Vertical limits	SFC to 10 000 FT AMSL
3	Airspace classification	C
4	ATS unit call sign Language(s)	TERENGGANU TOWER English
5	Transition altitude	11 000 FT AMSL
6	Remarks	NIL

WMKN AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
SMC	TERENGGANU GROUND	121.600 MHZ	2300 - 1400	-
TWR	TERENGGANU TOWER	123.600 MHZ 119.050 MHZ 235.320 MHZ 121.500 MHZ		Primary Secondary UHF Frequency Emergency Frequency
ATIS	TERENGGANU TERMINAL INFORMATION	126.650 MHZ		-

WMKN AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
ILS/LOC	IKTA	108.100 MHZ	H24	052339.76N 1030653.34E	-	
GP/DME	-	334.700 MHZ CH 18X		052221.28N 1030530.79E	20M / 66FT	
VOR/DME	VKR	112.900 MHZ CH 76X		052138.43N 1030454.18E	11.5M / 38FT	

WMKN AD 2.20 LOCAL AERODROME REGULATIONS

2.20.1 Visual Circling Restriction

a) Visual circling prohibited beyond 3 NM from threshold Runway 04 due high terrain (hill elevation 1145 FT) located about 4.8 NM Southwest of the aerodrome.
b) Cat C & D aircraft prohibited from visual circling Southwest of runway.

2.20.2 Arrivals

a) ATC SMC shall direct arriving aircraft to the main parking apron and assign the parking stand number. The pilot shall follow VDGS where provided or marshaller as appropriate.
b) General aviation light aircraft shall park at the flying school light aircraft apron unless directed otherwise by ATC SMC.

2.20.3 Departures

a) Departing IFR flights shall contact ATC SMC to obtain start-up and push back clearance. The pilot-in-command and marshallers shall be responsible for the safety of aircraft with respect to vehicles, persons and obstructions during start-up and pushback.
b) All aircraft at power-in and power-out parking bays shall taxi at minimum power until clear of the appropriate blast zone.

2.20.4 Procedures for VFR flights within the Kuala Terengganu CTR

a) A flight plan shall be filed for the flight.
b) ATC clearance shall be obtained from Terengganu TWR.
c) Any deviation from ATC clearance requires prior permission.
d) The flight shall be conducted with vertical visual reference to the ground.
e) Two – way communication shall be established with KualaTerengganu Approach on 123.600 MHZ or 235.320 MHZ prior to entering the Kuala Terengganu CTR.
f) All VFR flights shall follow the established VFR Routes for entering and exiting the CTR, as shown in Visual Chart as per AIP MALAYSIA, ENR 3.5-31. Any deviation outside these routes requires prior ATC permission.
g) All arriving aircraft shall hold at the designated VFR Holding area at 1000 feet and await onward ATC clearance for landing.
h) Aircraft shall track over the water from East of Kuala Terengganu Town to Kg. Chenering vice versa to avoid the Palace Area.

2.20.5 Arriving Aircraft Parking Arrangement

2.20.5.1 Parking at main apron

a) Bay 1A, Bay 2A, Bay 3 and Bay 4
   – Power in and push back mode

b) Bay 1, Bay 2, Bay 3A and Bay 4A
   – Power in and power out mode

2.20.5.2 When Bay 1, Bay 2, Bay 3, Bay 4 is occupied, no aircraft is allowed to be parked at Bay 1A, Bay 2A, Bay 3A, Bay 4A and vice versa.

2.20.5.3 No simultaneous aircraft movement is allowed either power-in, push back and power-out at the main apron.

2.20.5.4 No aircraft movement (power-out) is allowed at Bay 1 while aircraft entering or exiting at Bay 2A due to insufficient clearance.

2.20.6 Circuit Procedure (Pattern)

a) Heavy / Medium aircraft - 1500 FT on QNH, RWY 04 RIGHT-HAND circuit, RWY 22 LEFT-HAND circuit.
b) Light aircraft - 1000 FT on QNH, RWY 04 LEFT-HAND or RIGHT-HAND circuit, RWY 22 RIGHT-HAND or LEFT-HAND circuit.

WMKN AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WMKN AD 2.22 FLIGHT PROCEDURES

2.22.1. Communication failure procedures as per AIP Malaysia, ENR 1.6 - 3 Para 1.6.2.1 are to be adopted by pilots.

WMKN AD 2.23 ADDITIONAL INFORMATION

2.23.1 Kite Flying In The Vicinity Of The Airport

2.23.1.1 Kite flying at approach path RWY 04. Pilots to exercise caution.

2.23.2 Bird Concentration In The Vicinity Of The Airport

2.23.2.1 Presence of birds on runway and approach of Runway 04 and Runway 22. Pilots to exercise caution during landing and take-off.

2.23.3. All aircraft are not allowed to make locked wheel turn on the runway.

2.23.4 Circuit And Instrument Training

2.23.4.1 Circuit and instrument training are permitted with pre book slot that shall be made thru official CAAM websites.

2.23.4.2 Booking of training are subject to:

a) Training slot from 0100 - 1000.
b) Booking slot opened 5 days in advance.
c) 3-hours duration maximum per slot.

AERODROME/HELIPORT CHART - ICAO

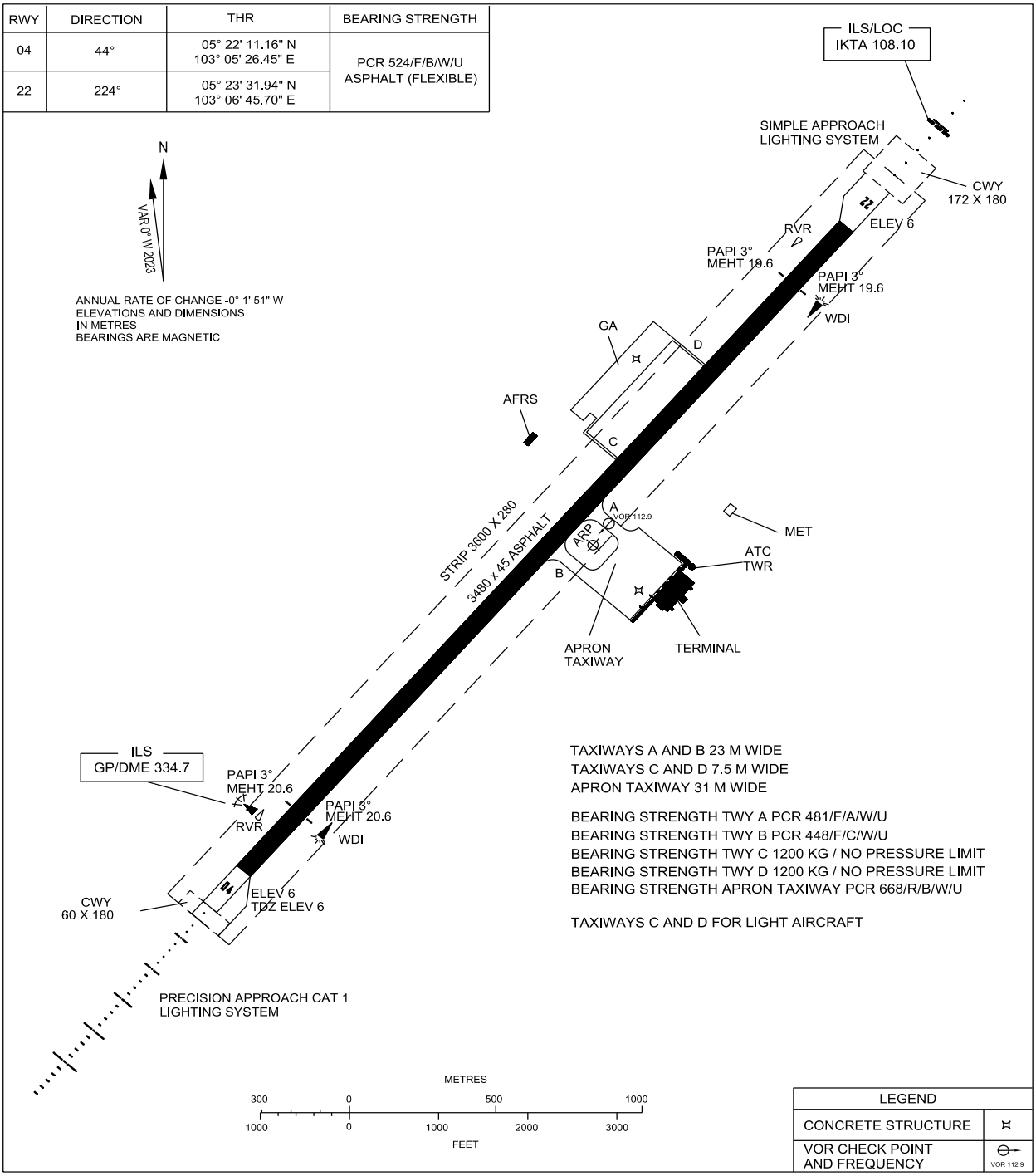
05° 22' 52" N
103° 06' 11" E

ELEV 6 M

TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

KUALA TERENGGANU/ SULTAN MAHMUD AIRPORT

RWY	DIRECTION	THR	BEARING STRENGTH
04	44°	05° 22' 11.16" N 103° 05' 26.45" E	PCR 524/F/B/W/U ASPHALT (FLEXIBLE)
22	224°	05° 23' 31.94" N 103° 06' 45.70" E	



CHANGES : ATS COMMUNICATION FREQUENCIES

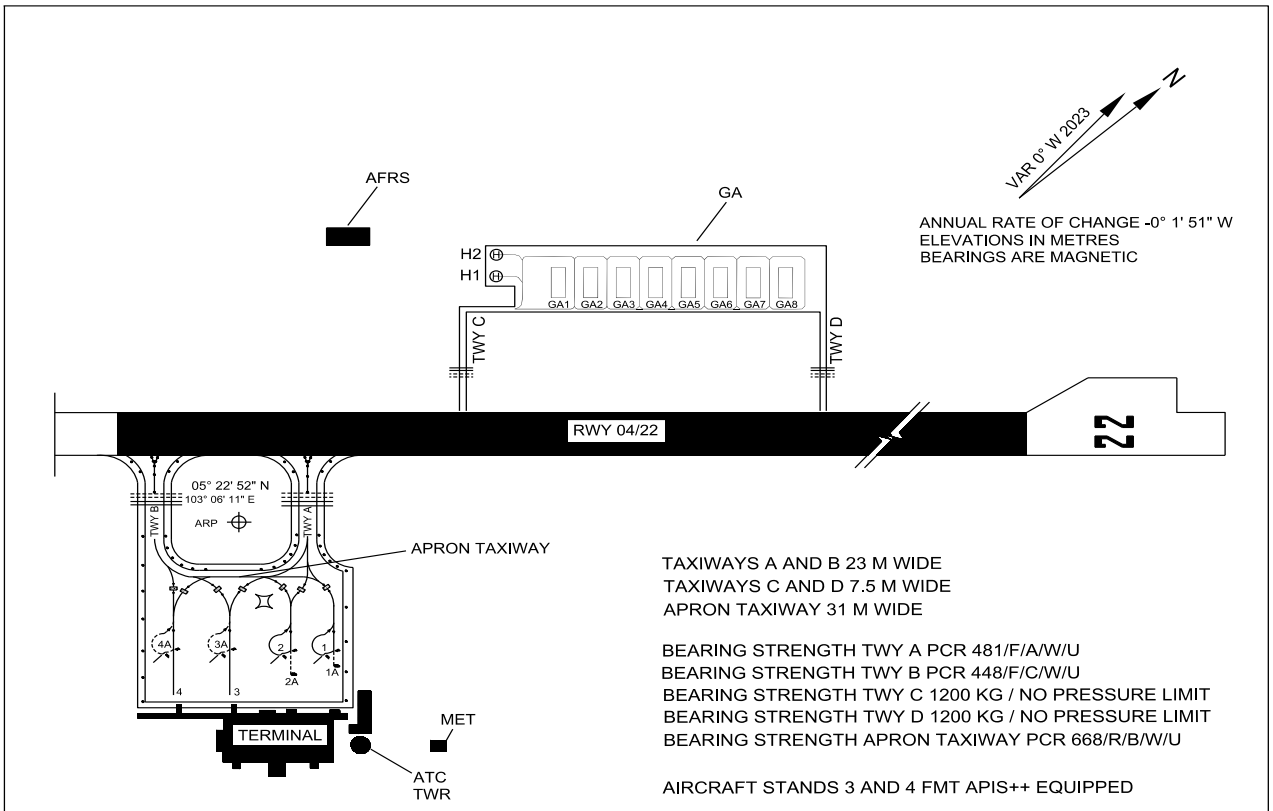
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AIRCRAFT PARKING/ DOCKING CHART - ICAO

APRON ELEV
5 M

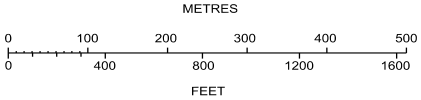
TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

KUALA TERENGGANU/ SULTAN MAHMUD AIRPORT



AIRCRAFT PARKING/DOCKING STAND POSITION

INS COORDINATES FOR AIRCRAFT STANDS			SURFACE & STRENGTH	AIRCRAFT TYPE
1	05° 22' 49.53" N	103° 06' 18.62" E	PCR 150/R/C/W/U	AT75, AT76
1A	05° 22' 49.43" N	103° 06' 19.28" E	PCR 685/R/C/W/U	B738, A320, A21N, AT75, AT76
2	05° 22' 48.21" N	103° 06' 17.35" E	PCR 150/R/C/W/U	AT75, AT76
2A	05° 22' 47.85" N	103° 06' 18.29" E	PCR 485/R/C/W/U	B738, A320, A21N, AT75, AT76
3	05° 22' 45.79" N	103° 06' 16.92" E	PCR 539/R/C/W/U	B738, A320, A21N
3A	05° 22' 46.70" N	103° 06' 15.43" E	PCR 150/R/C/W/U	AT75, AT76
4	05° 22' 44.10" N	103° 06' 15.27" E	PCR 524/R/B/W/U	B738, A320, A21N
4A	05° 22' 45.01" N	103° 06' 13.78" E	PCR 143/R/B/W/U	AT75, AT76
GA1	05° 23' 08.97" N	103° 06' 12.73" E	1200 KG / NO PRESSURE LIMIT (CONCRETE)	DIAMOND DA42
GA2	05° 23' 09.97" N	103° 06' 13.71" E	1200 KG / NO PRESSURE LIMIT (CONCRETE)	DIAMOND DA42
GA3	05° 23' 10.95" N	103° 06' 14.68" E	1200 KG / NO PRESSURE LIMIT (CONCRETE)	DIAMOND DA42
GA4	05° 23' 11.94" N	103° 06' 15.65" E	1200 KG / NO PRESSURE LIMIT (CONCRETE)	DIAMOND DA42
GA5	05° 23' 12.93" N	103° 06' 16.62" E	1200 KG / NO PRESSURE LIMIT (CONCRETE)	DIAMOND DA42
GA6	05° 23' 13.94" N	103° 06' 17.61" E	1200 KG / NO PRESSURE LIMIT (CONCRETE)	DIAMOND DA42
GA7	05° 23' 14.92" N	103° 06' 18.57" E	1200 KG / NO PRESSURE LIMIT (CONCRETE)	DIAMOND DA42
GA8	05° 23' 15.86" N	103° 06' 19.49" E	1200 KG / NO PRESSURE LIMIT (CONCRETE)	DIAMOND DA42
H1	05° 23' 07.34" N	103° 06' 10.70" E	5 TONNES (ASPHALT)	SIKORSKY 76
H2	05° 23' 08.06" N	103° 06' 09.96" E	5 TONNES (ASPHALT)	SIKORSKY 76



LEGEND	
AIRCRAFT STAND	4
TAXIWAY LIGHT	•
RUNWAY-HOLDING POSITION	

CHANGES : ATS COMMUNICATION FREQUENCIES

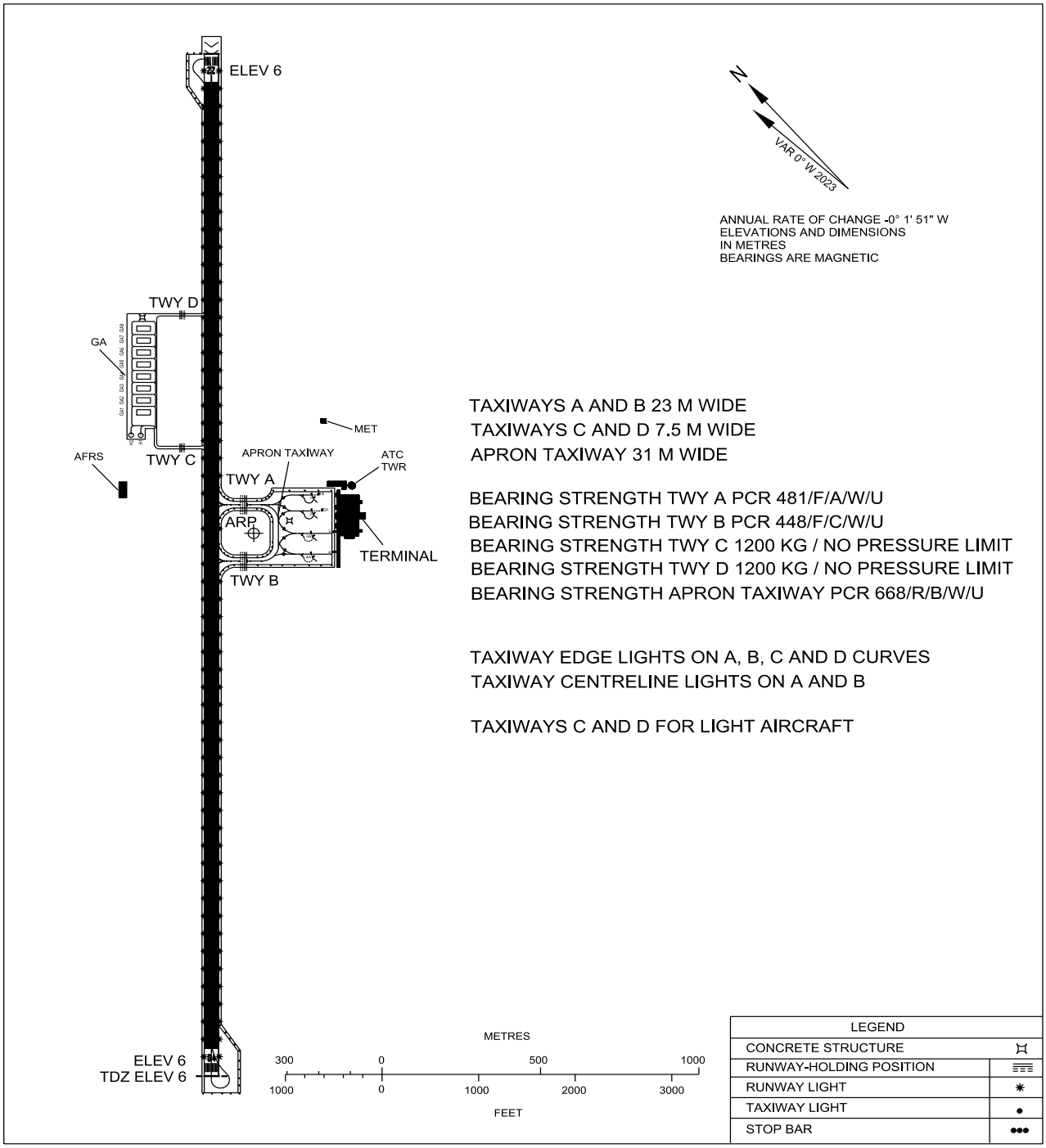
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AERODROME GROUND MOVEMENT CHART - ICAO

APRON ELEV
5 M

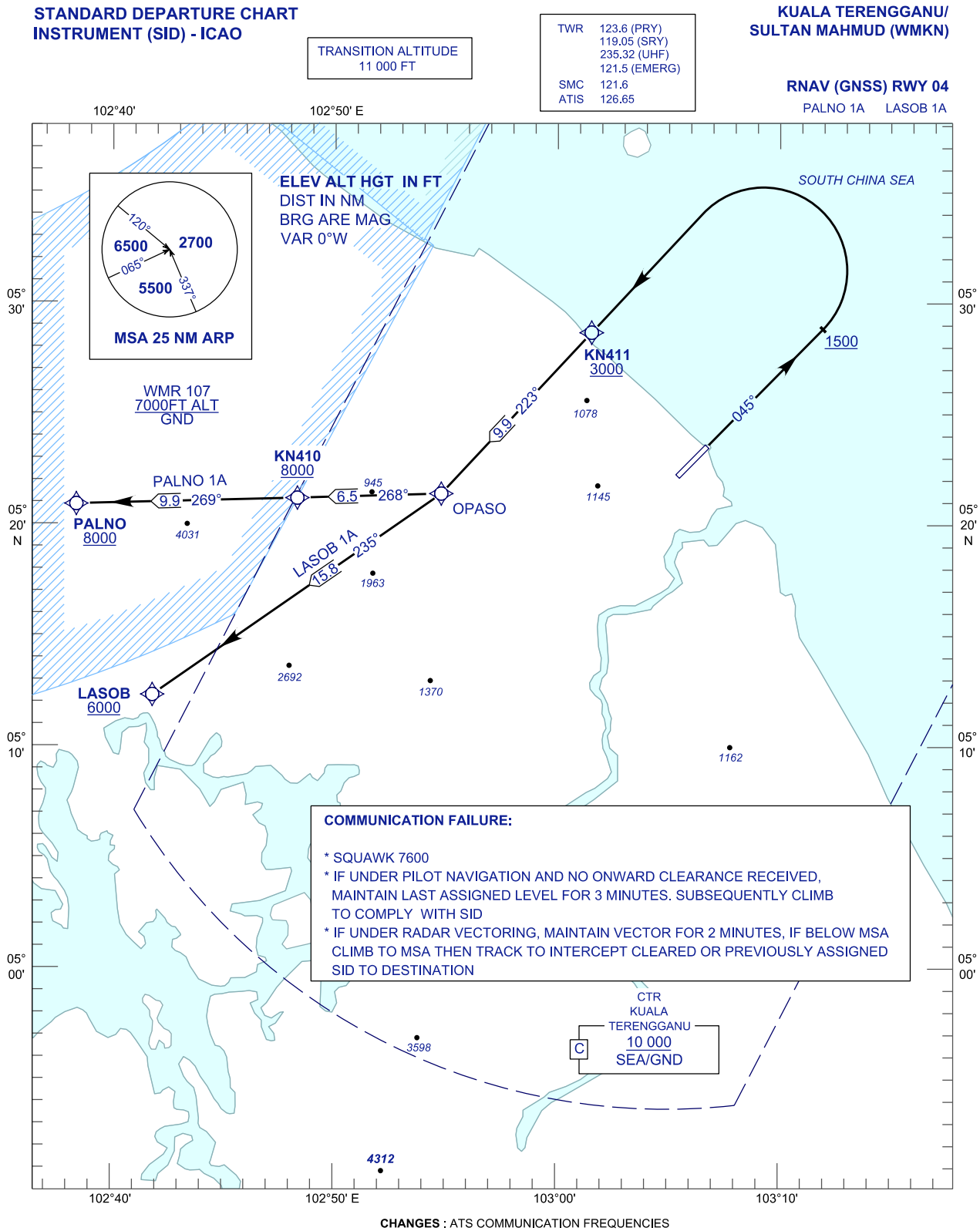
TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

KUALA TERENGGANU/ SULTAN MAHMUD AIRPORT



CHANGES : ATIS COMMUNICATION FREQUENCIES

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CHANGES : ATS COMMUNICATION FREQUENCIES

STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11 000 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN)

RNAV (GNSS) RWY 04

PALNO 1A LASOB 1A

TABULAR DESCRIPTION

PALNO 1A DEPARTURE FOR ROUTE W540/M751 NORTHBOUND

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CA	-	-	045°	-	-	+1500	-	RNAV 1
DF	KN411	-	-	-	L	+3000	-	RNAV 1
TF	OPASO	-	223°	9.9	-	-	-	RNAV 1
TF	KN410	-	268°	6.5	R	+8000	-	RNAV 1
TF	PALNO	-	269°	9.9	-	+8000	-	RNAV 1

LASOB 1A DEPARTURE FOR ROUTE Y346 AND W540/M751 SOUTHBOUND

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CA	-	-	045°	-	-	+1500	-	RNAV 1
DF	KN411	-	-	-	L	+3000	-	RNAV 1
TF	OPASO	-	223°	9.9	-	-	-	RNAV 1
TF	LASOB	-	235°	15.8	R	+6000	-	RNAV 1

WAYPOINT LIST

WAYPOINT IDENTIFIER	COORDINATES
PALNO	05°20'53.93" N 102°38'24.83" E
OPASO	05°21'22.95" N 102°54'48.99" E
LASOB	05°12'18.56" N 102°41'53.01" E
KN410	05°21'10.76" N 102°48'21.04" E
KN411	05°28'39.51" N 103°01'33.54" E

STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO

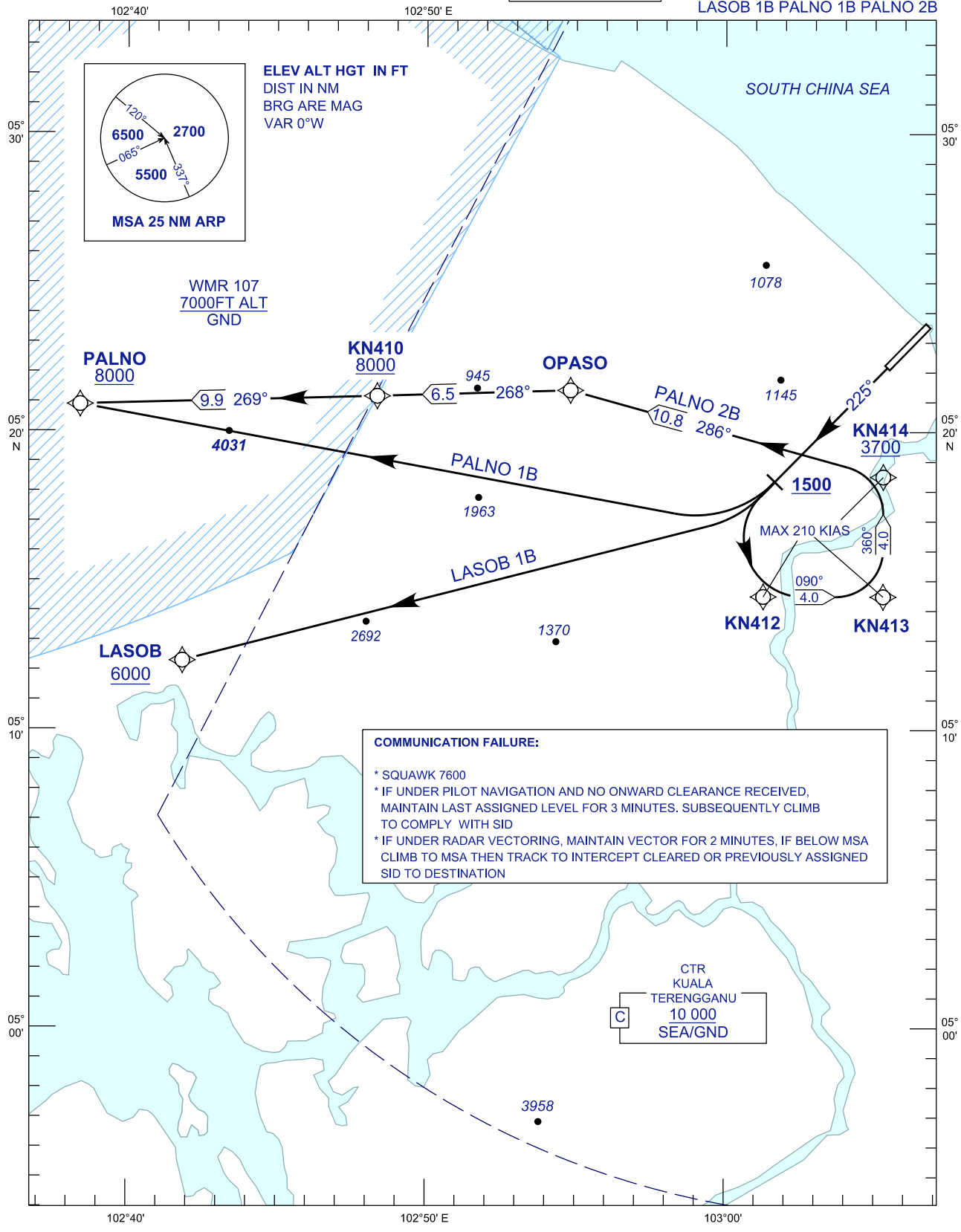
TRANSITION ALTITUDE
11 000 FT

TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN)

RNAV (GNSS) RWY 22

LASOB 1B PALNO 1B PALNO 2B



CHANGES : ATS COMMUNICATION FREQUENCIES

STANDARD ARRIVAL CHART INSTRUMENT (SID) - ICAO

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN)

TRANSITION ALTITUDE
11 000 FT

RNAV (GNSS) RWY 22

LASOB 1B PALNO 1B PALNO 2B

TABULAR DESCRIPTION

LASOB 1B DEPARTURE FOR ROUTE Y346 AND W540/M751 SOUTHBOUND

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CA	-	N	225°	-	-	+1500	-	RNAV 1
DF	LASOB	N	-	-	R	+6000	-	RNAV 1

MINIMUM CLIMB GRADIENT 4.0% UNTIL PASSING 6000 FT DUE TO AIRWAY LOWER LIMIT.

PALNO 1B DEPARTURE FOR ROUTE W540/M751 NORTHBOUND

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CA	-	N	225°	-	-	+1500	-	RNAV 1
DF	PALNO	N	-	-	R	+8000	-	RNAV 1

MINIMUM CLIMB GRADIENT 4.5% UNTIL PASSING 8000 FT DUE TO AIRWAY LOWER LIMIT.

PALNO 2B DEPARTURE FOR ROUTE W540/M751 NORTHBOUND

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
CA	-	N	225°	-	-	+1500	-	RNAV 1
DF	KN412	N	-	-	L	-	-210	RNAV 1
TF	KN413	N	090°	4.0	L	-	-210	RNAV 1
TF	KN414	N	360°	4.0	L	+3700	-210	RNAV 1
TF	OPASO	N	286°	10.8	L	-	-	RNAV 1
TF	KN410	N	268°	6.5	L	+8000	-	RNAV 1
TF	PALNO	N	269°	9.9	-	+8000	-	RNAV 1

MINIMUM CLIMB GRADIENT 4.0% UNTIL PASSING 8000 FT OR KN410 DUE TO MILITARY TRAINING AREA.

*TO BE USED DURING WMR107 ACTIVE

WAYPOINT LIST

WAYPOINT IDENTIFIER	COORDINATES	
PALNO	05°20'53.93" N	102°38'24.83" E
LASOB	05°12'18.56" N	102°41'53.01" E
OPASO	05°21'22.95" N	102°54'48.99" E
KN410	05°21'10.75" N	102°48'21.04" E
KN412	05°14'28.33" N	103°01'16.58" E
KN413	05°14'28.31" N	103°05'17.15" E
KN414	05°18'29.48" N	103°05'17.17" E

CHANGES : TABULAR DESCRIPTION ON PALNO 2B, AMEND KN804 TO KN410

STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 04

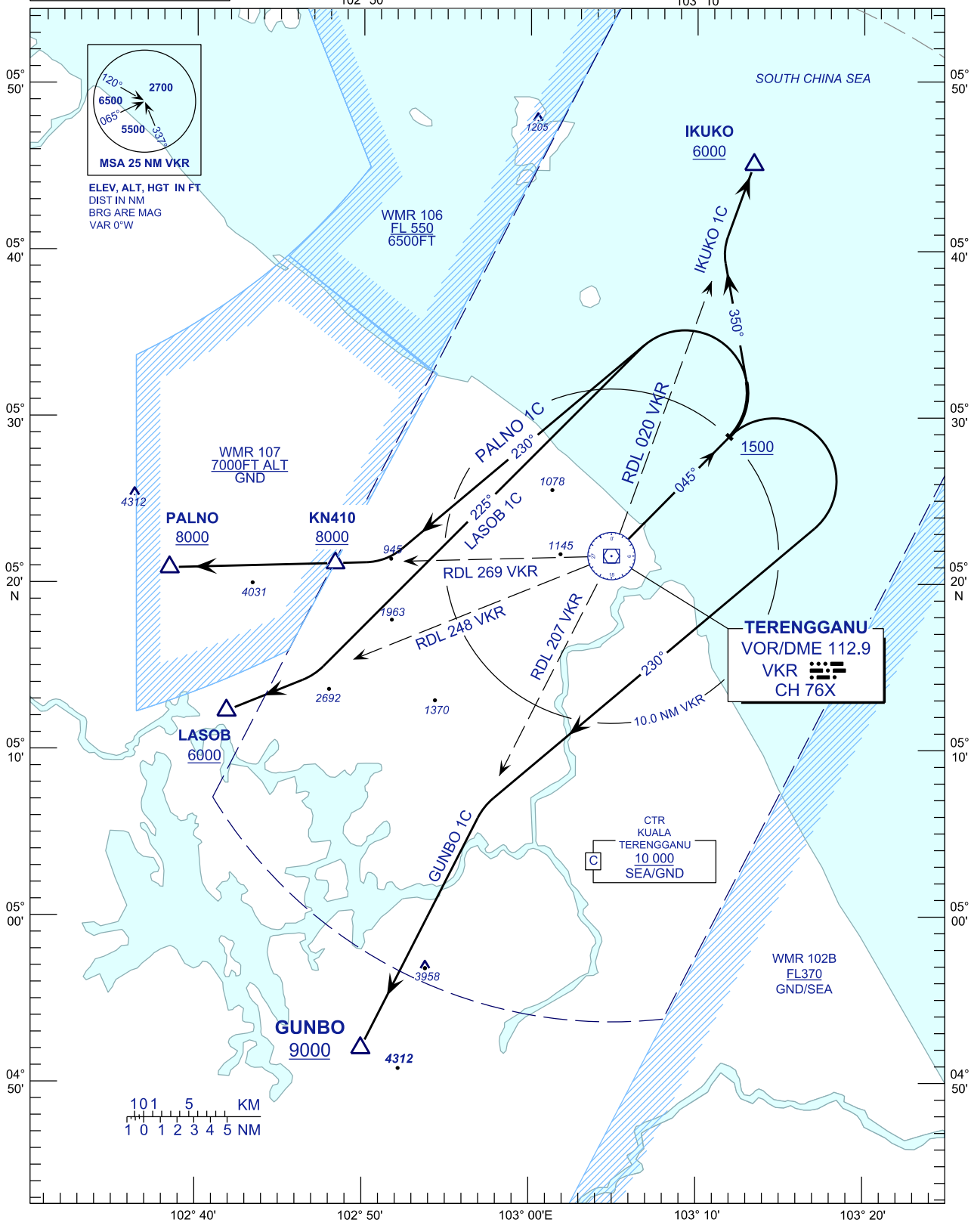
TRANSITION ALTITUDE
11 000 FT

TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

IKUKO 1C
GUNBO 1C

LASOB 1C
PALNO 1C

BANK ANGLE : 25° OR 3°/SEC



CHANGES : ATS COMMUNICATION FREQUENCIES

STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11 000 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 04

IKUKO 1C LASOB 1C
GUNBO 1C PALNO 1C

COMMUNICATION FAILURE :

SQUAWK 7600
- IF UNDER PILOT NAVIGATION AND NO ONWARD CLEARANCE RECEIVED, MAINTAIN LAST ASSIGNED LEVEL FOR 3 MINUTES. SUBSEQUENTLY CLIMB TO COMPLY WITH SID.
- IF UNDER RADAR VECTORING : MAINTAIN VECTOR FOR 2 MINUTES, IF BELOW MSA, CLIMB TO MSA, THEN TRACK TO INTERCEPT CLEARED OR PREVIOUSLY ASSIGNED SID TO DESTINATION.

DEPARTURE DESCRIPTION

INITIAL CLIMB PROCEDURE	DESIGNATOR	SID DESCRIPTION
TRACK 045° AT OR ABOVE 1500 FT THEN TURN LEFT	IKUKO 1C	TRACK 350° TO INTERCEPT RDL020 VKR VOR OUTBOUND TO IKUKO THEN R208
	PALNO 1C	TRACK 230° TO INTERCEPT RDL269 VKR VOR OUTBOUND TO KN410 AT 8000FT OR ABOVE THEN TO PALNO THEN W540/M751 (NORTHBOUND)
	LASOB 1C	TRACK 225° TO INTERCEPT RDL248 VKR VOR OUTBOUND TO LASOB THEN Y346 (SOUTHBOUND)
TRACK 045° AT OR ABOVE 1500 FT TURN RIGHT	GUNBO 1C	TRACK 230° TO INTERCEPT RDL207 VKR VOR OUTBOUND TO GUNBO THEN W540/M751 (SOUTHBOUND)

AERONAUTICAL DATA TABULATION

FIX / POINT / NAVAID		COORDINATES
VKR VOR/DME	112.9 MHz / CH76X	05°21'38.40"N 103°04'54.20"E
IKUKO	RDL020 VKR / 24.9 DME	05°45'11.88"N 103°13'23.88"E
PALNO	RDL268 VKR / 26.4 DME	05°20'53.93"N 102°38'24.83"E
LASOB	RDL248 VKR / 24.8 DME	05°12'18.56"N 102°41'53.01"E
GUNBO	RDL207 VKR / 33.0 DME	04°52'02.80"N 102°49'56.43"E
KN410	RDL269 VKR / 16.5 DME	05°21'10.75"N 102°48'21.04"E

STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO

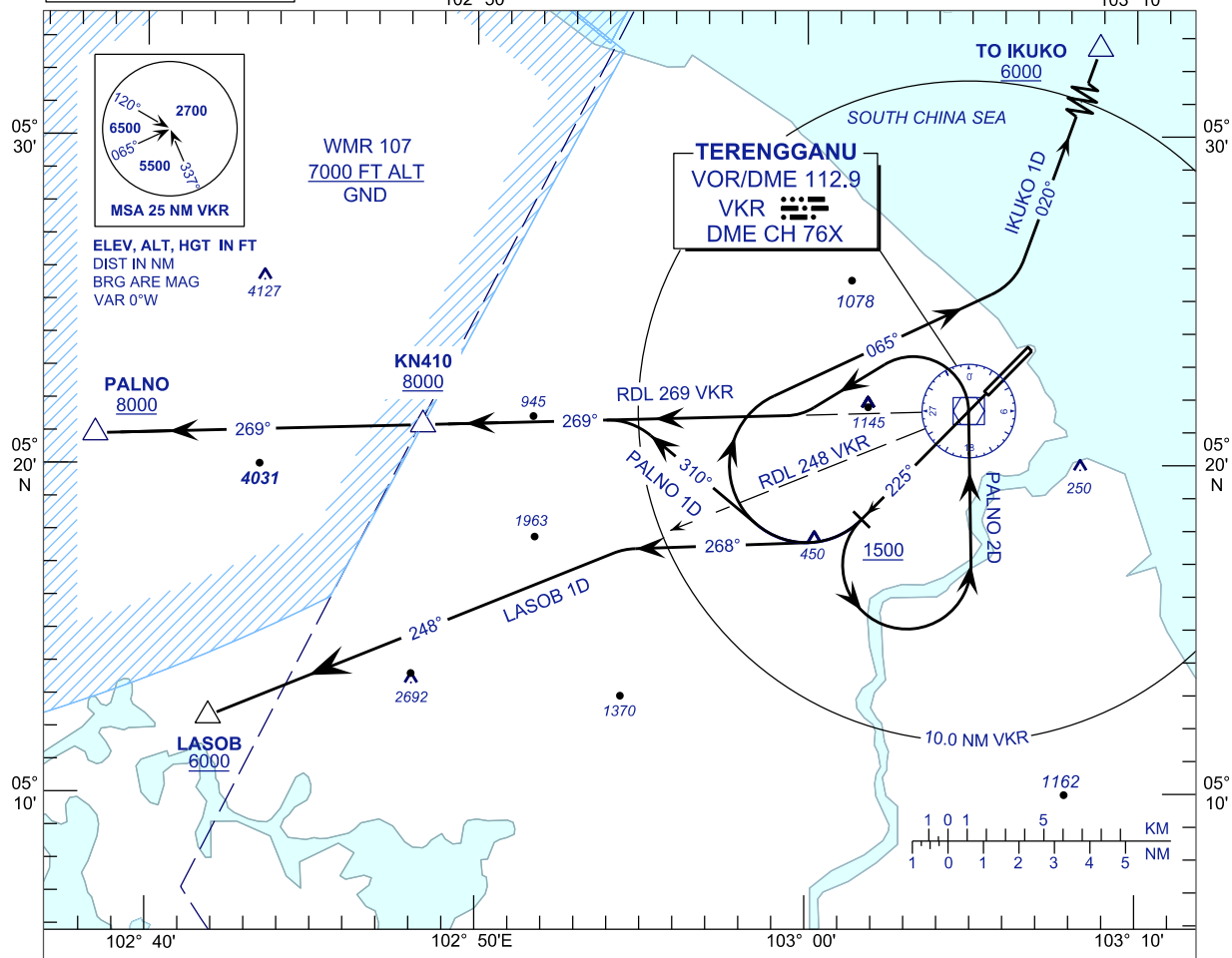
KUALA TERENGGANU/ SULTAN MAHMUD (WMKN)

RWY 22

PALNO 1D LASOB 1D IKUKO 1D
PALNO 2D

TRANSITION ALTITUDE
11 000 FT

TWR 123.6 (PRY)
119.05 (SRY)
235.32 (UHF)
121.5 (EMERG)
SMC 121.6
ATIS 126.65



INITIAL CLIMB PROCEDURE	DESIGNATOR	SID DESCRIPTION
TRACK 225° AT OR ABOVE 1500 FT THEN TURN RIGHT NOTE: MINIMUM CLIMB GRADIENT 4.5%	**IKUKO 1D**	TRACK 065° TO INTERCEPT RDL020 VKR VOR OUTBOUND TO IKUKO THEN R208 NOTE: MINIMUM CLIMB GRADIENT 4.5% UNTIL COMPLETE TURN
	PALNO 1D	TRACK 310° TO INTERCEPT RDL269 VKR VOR OUTBOUND TO PALNO THEN M751/W540 (NORTHBOUND) NOTE: MINIMUM CLIMB GRADIENT 4.5% UNTIL PALNO
	LASOB 1D	TRACK 268° TO INTERCEPT RDL248 VKR VOR OUTBOUND TO LASOB THEN Y346 (SOUTHBOUND) NOTE: MINIMUM CLIMB GRADIENT 4.0% UNTIL LASOB
TRACK 225° AT OR ABOVE 1500 FT THEN TURN LEFT NOTE: MINIMUM CLIMB GRADIENT 4.5%	**PALNO 2D** NOTE: TO BE USED DURING WMR107 ACTIVE	DIRECT TO VKR THEN CONTINUE ON RDL269 VKR VOR OUTBOUND TO KN410 AT 8000 FT OR ABOVE. AFTER THAT DIRECT TO PALNO THEN M751/W540 (NORTHBOUND) NOTE: MINIMUM CLIMB GRADIENT 4.5% UNTIL 5000FT

RATE OF CLIMB (FT/MIN)							
GND SPEED - KT		120	150	180	210	240	270
GRADIENT	3.3%	401	501	602	702	802	902
	4.0%	486	608	729	851	972	1094
	4.5%	547	684	820	957	1094	1230

CHANGES : ATS COMMUNICATION FREQUENCIES

STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11 000 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN)
RWY 22

PALNO 1D LASOB 1D IKUKO 1D
PALNO 2D

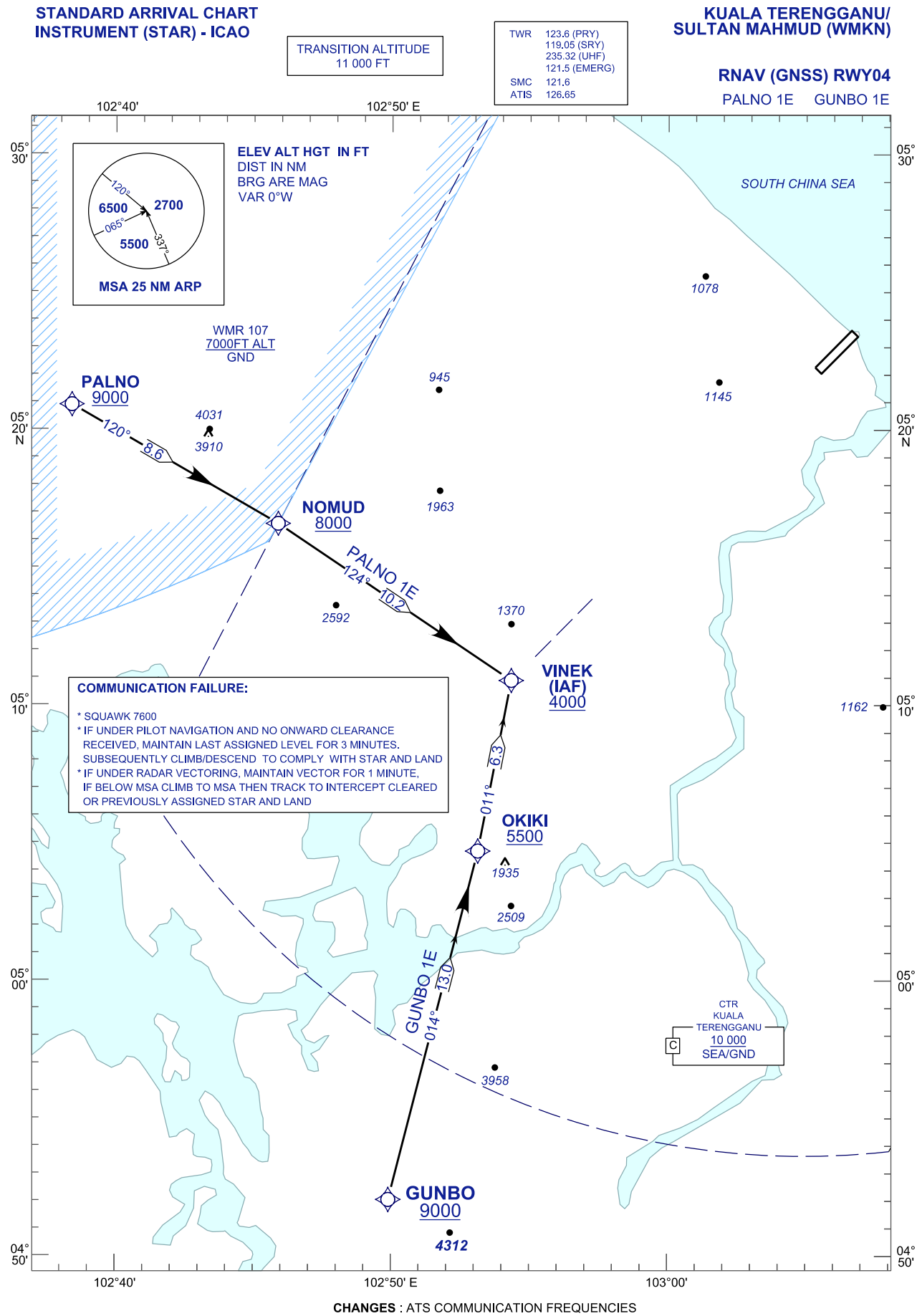
COMMUNICATION FAILURE :

SQUAWK 7600

- IF UNDER PILOT NAVIGATION AND NO ONWARD CLEARANCE RECEIVED, MAINTAIN LAST ASSIGNED LEVEL FOR 3 MINUTES. SUBSEQUENTLY CLIMB TO COMPLY WITH SID.
- IF UNDER RADAR VECTORING : MAINTAIN VECTOR FOR 2 MINUTES, IF BELOW MSA, CLIMB TO MSA, THEN TRACK TO INTERCEPT CLEARED OR PREVIOUSLY ASSIGNED SID TO DESTINATION.

AERONAUTICAL DATA TABULATION

FIX / POINT / NAVAID		COORDINATES
VKR VOR/DME	112.90 MHZ / CH76 X	05°21'38.40"N 103°04'54.20"E
IKUKO	RDL020 VKR / 24.9 DME	05°45'11.88"N 103°13'23.88"E
PALNO	RDL268 VKR / 26.4 DME	05°20'53.93"N 102°38'24.83"E
LASOB	RDL248 VKR / 24.8 DME	05°12'18.56"N 102°41' 53.01"E
KN410	RDL269 VKR / 16.5 DME	05°21'10.75" N 102°48'21.04" E



CHANGES : ATS COMMUNICATION FREQUENCIES

STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
11 000 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN)

RNAV (GNSS) RWY 04

PALNO 1E GUNBO 1E

TABULAR DESCRIPTION

GUNBO 1E ARRIVAL FROM ROUTE R208 & W540

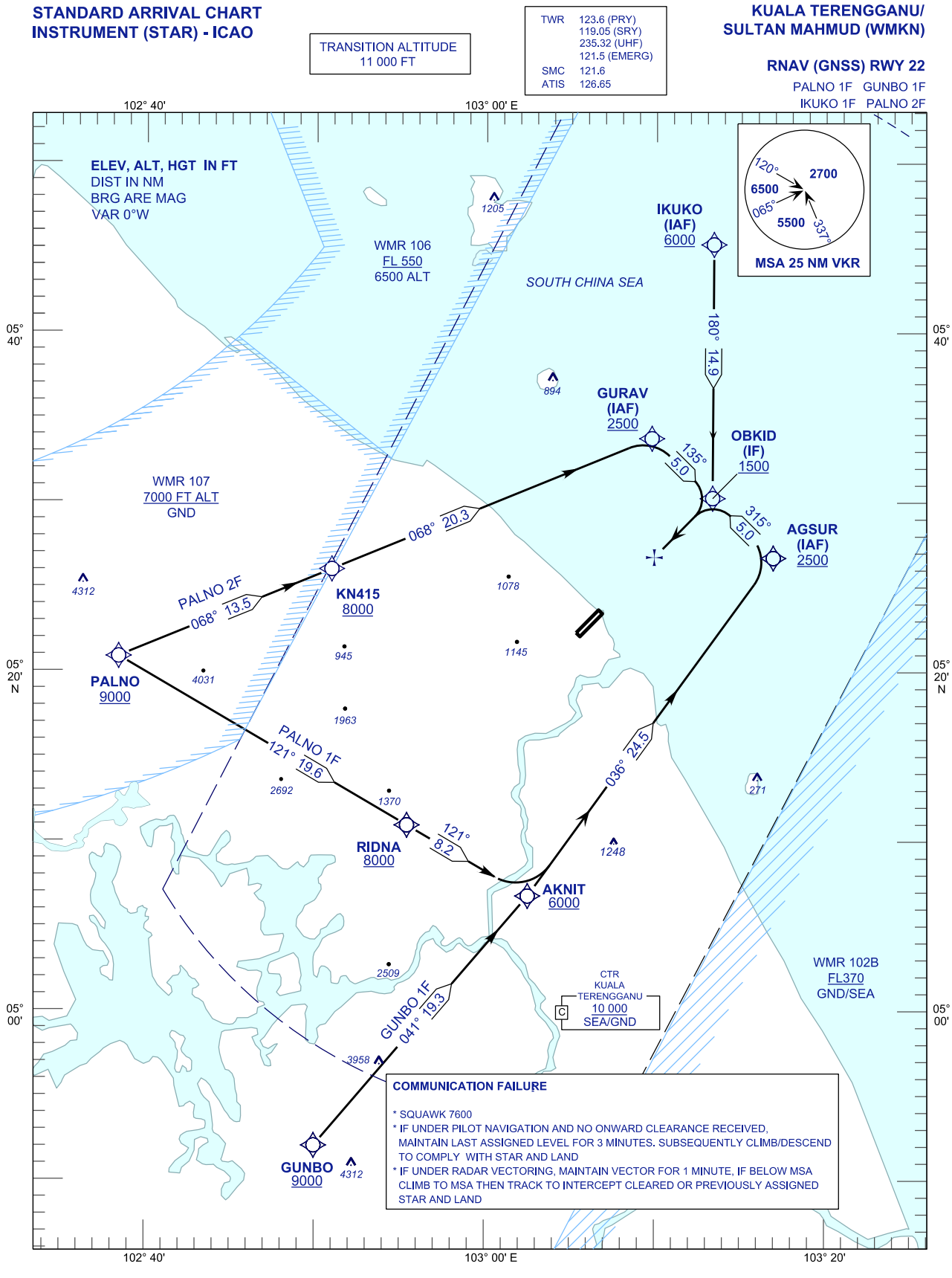
PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
IF	GUNBO	-	-	-	-	+9000	-	-
TF	OKIKI	-	014°	13.0	-	+5500	-	RNAV 1
TF	VINEK	-	011°	6.3	-	+4000	-	RNAV 1

PALNO 1E ARRIVAL FROM ROUTE W540

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
IF	PALNO	-	-	-	-	+9000	-	-
TF	NOMUD	-	120°	8.6	-	+8000	-	RNAV 1
TF	VINEK	-	124°	10.2	-	+4000	-	RNAV 1

WAYPOINT LIST

WAYPOINT IDENTIFIER	COORDINATES
GUNBO	04°52'02.80" N 102°49'56.43" E
PALNO	05°20'53.93" N 102°38'24.83" E
OKIKI	05°04'42.34" N 102°53'09.32" E
NOMUD	05°16'34.95" N 102°45'53.79" E
VINEK	05°10'54.16" N 102°54'21.08" E



CHANGES : ATS COMMUNICATION FREQUENCIES

STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
11 000 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN)

RNAV (GNSS) RWY 22

PALNO 1F GUNBO 1F
IKUKO 1F PALNO 2F

TABULAR DESCRIPTION

PALNO 1F ARRIVAL FROM ROUTE W540/M751

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
IF	PALNO	-	-	-	-	+9000	-	-
TF	RIDNA	-	121°	19.6	-	+8000	-	RNAV 1
TF	AKNIT	-	121°	8.2	-	+6000	-	RNAV 1
TF	AGSUR	-	036°	24.5	L	+2500	-	RNAV 1
TF	OBKID	-	315°	5.0	L	+1500	-	RNP APCH

GUNBO 1F ARRIVAL FROM ROUTE R208 AND W540/M751

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
IF	GUNBO	-	-	-	-	+9000	-	-
TF	AKNIT	-	041°	19.3	-	+6000	-	RNAV 1
TF	AGSUR	-	036°	24.5	-	+2500	-	RNAV 1
TF	OBKID	-	315°	5.0	L	+1500	-	RNP APCH

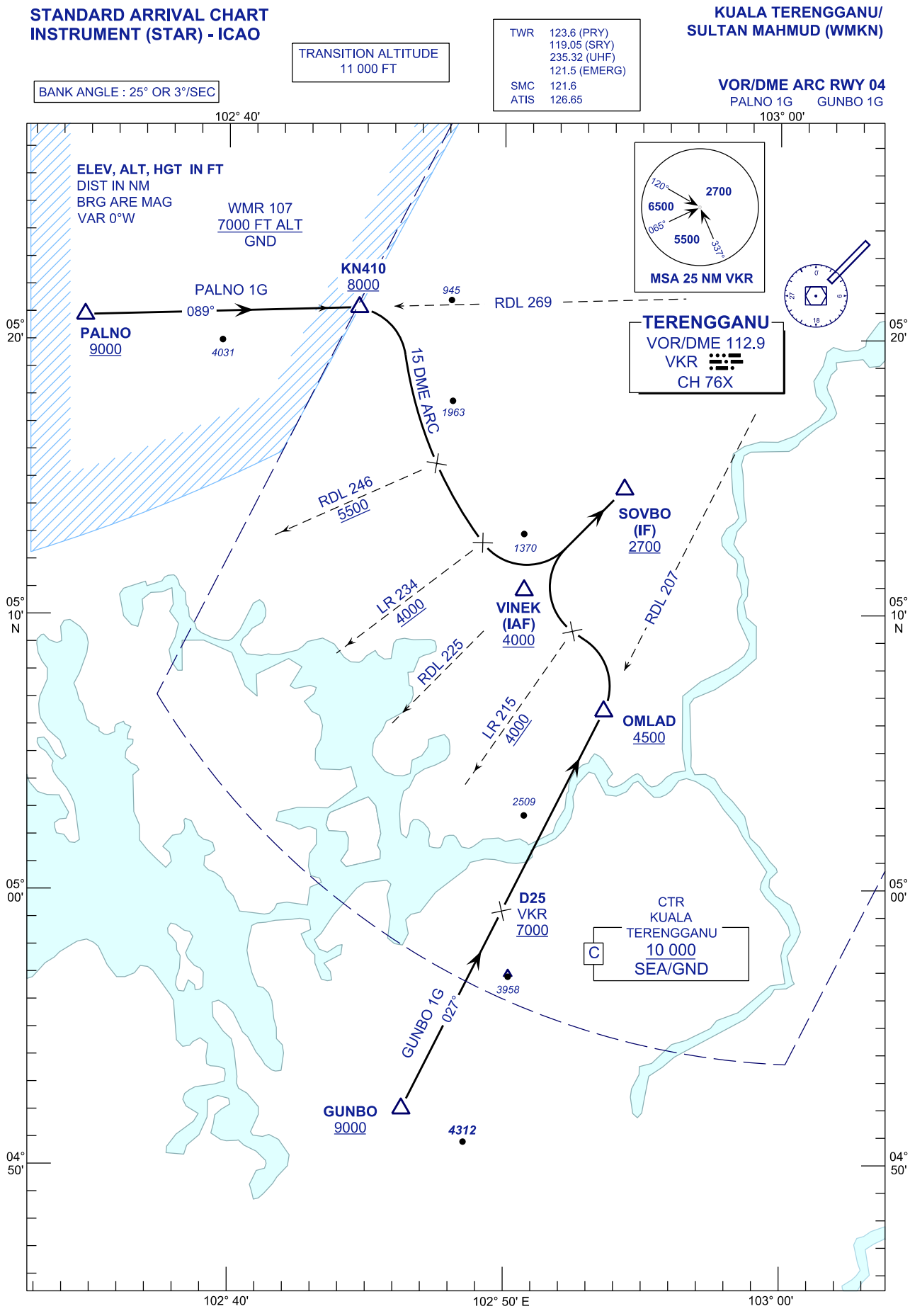
PALNO 2F ARRIVAL FROM ROUTE W540/M751

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
IF	PALNO	-	-	-	-	+9000	-	-
TF	KN415	-	068°	13.5	-	+8000	-	RNAV 1
TF	GURAV	-	068°	20.3	-	+2500	-	RNAV 1
TF	OBKID	-	135°	5.0	R	+1500	-	RNP APCH

IKUKO 1F ARRIVAL FROM ROUTE R208

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	NAVIGATION SPECIFICATION
IF	IKUKO	-	-	-	-	+6000	-	-
TF	OBKID	-	180°	14.9	-	+1500	-	RNP APCH

CHANGES : REPLACE WAYPOINT ISLIM TO AGSUR



CHANGES : ATS COMMUNICATION FREQUENCIES

STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE 11 000 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN)

VOR/DME ARC RWY 04
PALNO 1G GUNBO 1G

ARRIVALS DESCRIPTION:

DESIGNATOR	STAR DESCRIPTION
PALNO 1G	FROM PALNO TRACK INBOUND ON RDL 269 VKR VOR. AT KN410 VKR TURN RIGHT TO JOIN 15 DME ARC VKR TO VINEK FOR ILS OR VOR/DME APPROACH RWY 04
GUNBO 1G	FROM GUNBO TRACK INBOUND ON RDL 207 VKR VOR. AT OMLAD TURN LEFT TO JOIN 15 DME ARC VKR TO VINEK FOR ILS OR VOR/DME APPROACH RWY 04

VERTICAL RESTRICTION :

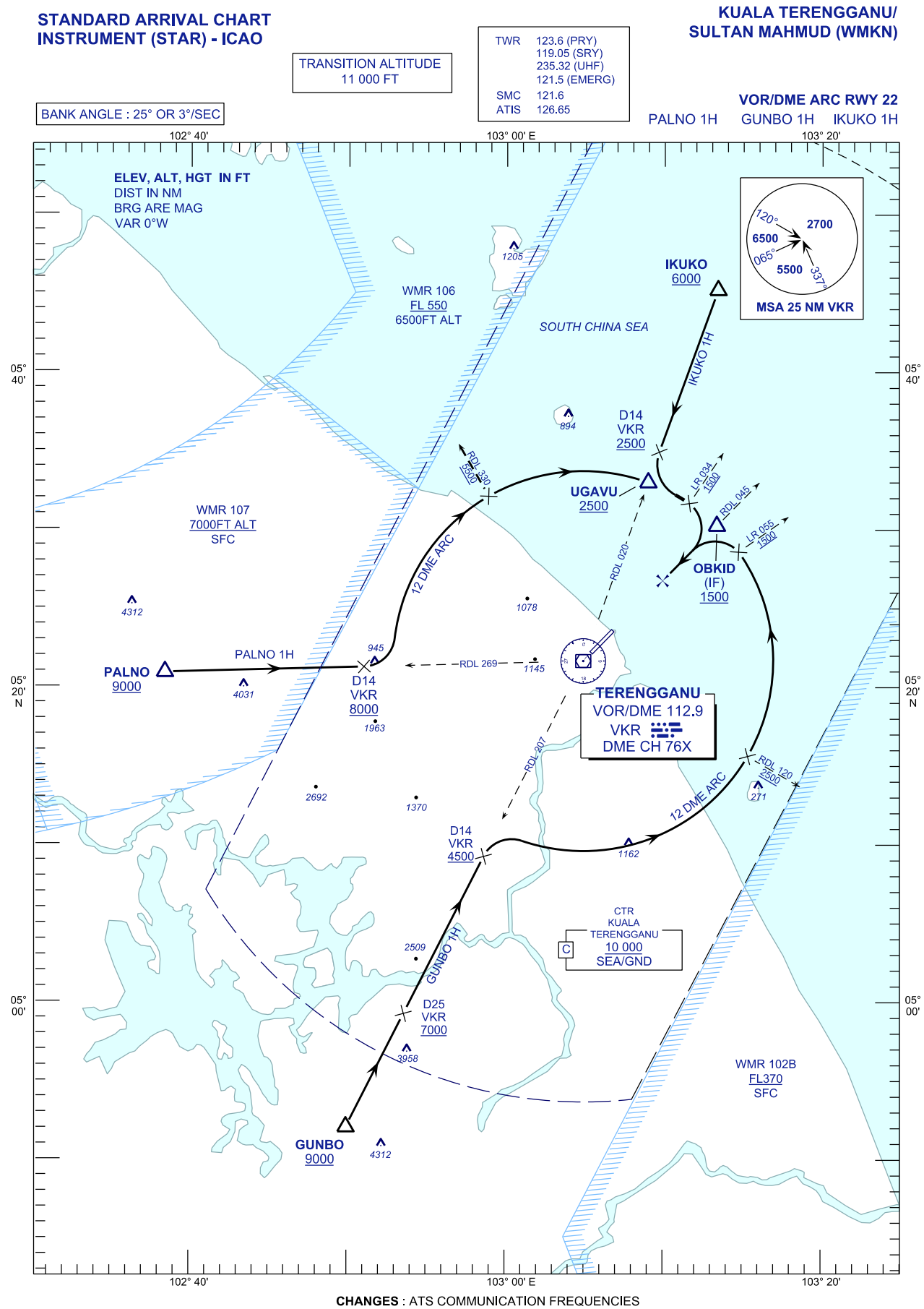
ADHERE TO VERTICAL RESTRICTIONS EG. 10 000 = NOT BELOW 10 000 FT ON DESCENT UNLESS SPECIFICALLY CANCELLED BY ATC

COMMUNICATION FAILURE :

SQUAWK 7600
- IF UNDER PILOT NAVIGATION AND NO ONWARD CLEARANCE RECEIVED, MAINTAIN LAST ASSIGNED LEVEL FOR 3 MINUTES. SUBSEQUENTLY CLIMB/DESCEND TO COMPLY WITH STAR AND LAND.
- IF UNDER RADAR VECTORING, MAINTAIN VECTOR FOR 1 MINUTE, IF BELOW MSA, CLIMB TO MSA, THEN TRACK TO INTERCEPT CLEARED OR PREVIOUSLY ASSIGNED STAR AND LAND.

AERONAUTICAL DATA TABULATION

FIX / POINT / NAVAID		COORDINATES
VKR VOR/DME	112.90 MHZ / CH76 X	05°21'38.43"N 103°04'54.18"E
PALNO	RDL268 VKR / 26.4 DME	05°20'53.93"N 102°38'24.83"E
GUNBO	RDL207 VKR / 33.0 DME	04°52'02.80"N 102°49'56.43"E
VINEK (IAF)	RDL225 VKR / 15.0 DME	05°10'54.16"N 102°54'21.08"E
SOVBO(IF)	RDL225 VKR / 9.8 DME	05°14'34.95"N 102°57'59.27"E
OMLAD	RDL207 VKR / 17.0 DME	05°06'24.29"N 102°57'11.80"E
KN410	RDL269 VKR / 16.5 DME	05°21'10.75"N 102°48'21.04"E



CHANGES : ATS COMMUNICATION FREQUENCIES

STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
11 000 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN)

VOR/DME ARC RWY 22
PALNO 1H GUNBO 1H IKUKO 1H

ARRIVALS DESCRIPTION

DESIGNATOR	STAR DESCRIPTION
PALNO 1H	FROM PALNO TRACK INBOUND ON RDL 269 VKR DVOR. AT 14 DME VKR TURN LEFT TO JOIN 12 DME ARC VKR TO OBKID FOR VOR/DME APCH RWY 22
GUNBO 1H	FROM GUNBO TRACK INBOUND ON RDL 207 VKR DVOR. AT 14 DME VKR TURN RIGHT TO JOIN 12 DME ARC VKR TO OBKID FOR VOR/DME APCH RWY 22
IKUKO 1H	FROM IKUKO TRACK INBOUND ON RDL 020 VKR DVOR. AT 14 DME VKR TURN LEFT TO JOIN 12 DME ARC VKR TO OBKID FOR VOR/DME APCH RWY 22

VERTICAL RESTRICTION :

ADHERE TO VERTICAL RESTRICTIONS EG. 10 000 = NOT BELOW 10 000 FT ON DESCENT UNLESS SPECIFICALLY CANCELLED BY ATC

COMMUNICATION FAILURE :

SQUAWK 7600
- IF UNDER PILOT NAVIGATION AND NO ONWARD CLEARANCE RECEIVED, MAINTAIN LAST ASSIGNED LEVEL FOR 3 MINUTES, SUBSEQUENTLY CLIMB/DESCEND TO COMPLY WITH STAR AND LAND.

- IF UNDER RADAR VECTORING, MAINTAIN VECTOR FOR 1 MINUTE, IF BELOW MSA, CLIMB TO MSA, THEN TRACK TO INTERCEPT CLEARED OR PREVIOUSLY ASSIGNED STAR AND LAND.

AERONAUTICAL DATA TABULATION

FIX / POINT / NAVAID		COORDINATES	
VKR VOR/DME	112.90 MHZ / CH76 X	05°21'38.43"N	103°04'54.18"E
PALNO	RDL268 VKR / 26.4 DME	05°20'53.93"N	102°38'24.83"E
IKUKO	RDL020 VKR / 24.9 DME	05°45'11.88"N	103°13'23.88"E
GUNBO	RDL207 VKR / 33.0 DME	04°52'02.80"N	102°49'56.43"E
OBKID (IF)	RDL045 VKR / 12.0 DME	05°30'13.96"N	103°13'20.67"E

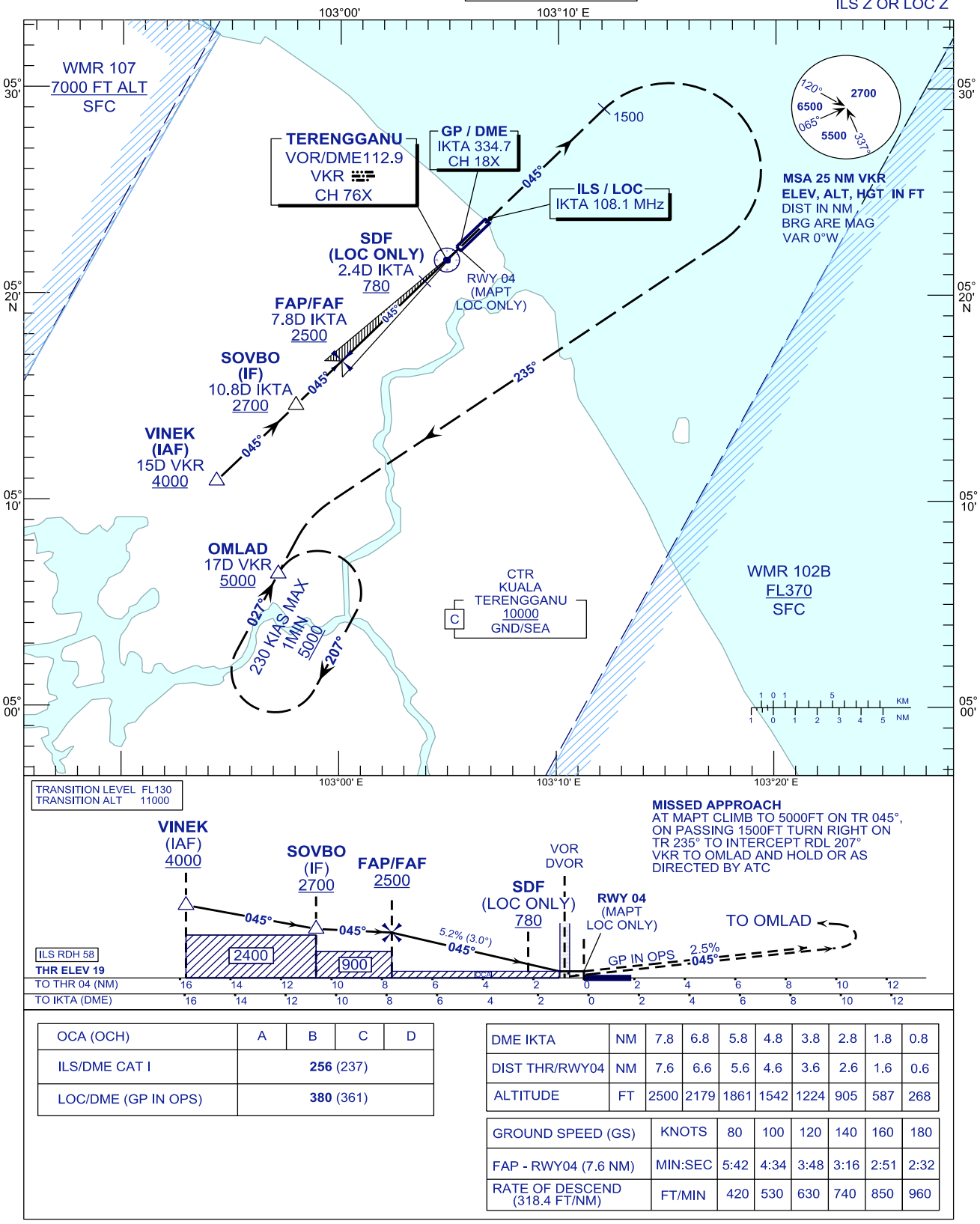
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 04 - ELEV 19 FT

TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 04

ILS Z OR LOC Z



TRANSITION LEVEL FL130
TRANSITION ALT 11000

MISSED APPROACH
AT MAPT CLIMB TO 5000FT ON TR 045°, ON PASSING 1500FT TURN RIGHT ON TR 235° TO INTERCEPT RDL 207° VKR TO OMLAD AND HOLD OR AS DIRECTED BY ATC

OCA (OCH)	A	B	C	D
ILS/DME CAT I	**256** (237)			
LOC/DME (GP IN OPS)	**380** (361)			

DME IKTA	NM	7.8	6.8	5.8	4.8	3.8	2.8	1.8	0.8
DIST THR/RWY04	NM	7.6	6.6	5.6	4.6	3.6	2.6	1.6	0.6
ALTITUDE	FT	2500	2179	1861	1542	1224	905	587	268

GROUND SPEED (GS)	KNOTS	80	100	120	140	160	180
FAP - RWY04 (7.6 NM)	MIN:SEC	5:42	4:34	3:48	3:16	2:51	2:32
RATE OF DESCEND (318.4 FT/NM)	FT/MIN	420	530	630	740	850	960

CHANGES : ATS COMMUNICATION FREQUENCIES

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 04 - ELEV 19 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 04

ILS Z OR LOC Z

AERONAUTICAL DATA TABULATION

FIX / POINT		COORDINATES
VKR VOR/DME	112.90MHZ / CH76X	05°21'38.43"N 103°04'54.18"E
SOVBO (IF)	10.8D IKTA	05°14'34.95"N 102°57'59.27"E
FAP/FAF	7.8D IKTA	05°16'44.22"N 103°00'05.30"E
SDF	2.4D IKTA	05°20'36.28"N 103°03'53.41"E
VINEK (IAF)	RDL 225 VKR/15.0D VKR	05°10'54.16"N 102°54'21.08"E
OMLAD	RDL 207 VKR / 17.0D VKR	05°06'24.29"N 102°57'11.80"E
GP / DME	IKTA 334.7 MHz / CH 18X	05° 22' 21.3"N 103° 05' 30.8"E
ILS / LOC	IKTA 108.10 MHz	05° 23' 39.8"N 103° 06' 53.3"E
RWY 04 (MAPT LOC ONLY)		05°22'11.16"N 103°05'26.45"E

CHANGES : AERODROME AND THRESHOLD ELEVATION.

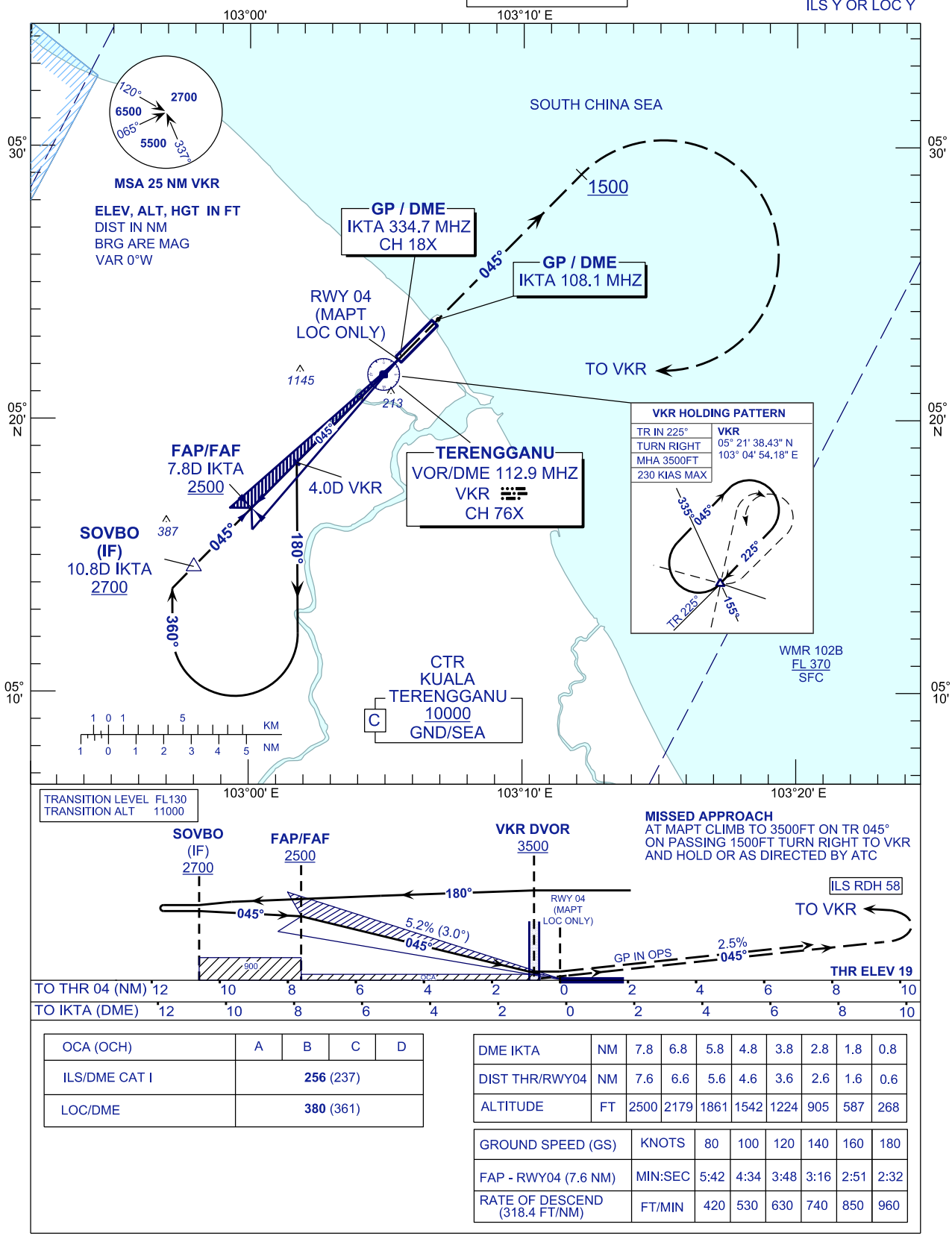
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 04 - ELEV 19 FT

TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 04

ILS Y OR LOC Y



TRANSITION LEVEL FL130
TRANSITION ALT 11000

MISSED APPROACH
AT MAPT CLIMB TO 3500FT ON TR 045°
ON PASSING 1500FT TURN RIGHT TO VKR
AND HOLD OR AS DIRECTED BY ATC

ILS RDH 58
TO VKR
THR ELEV 19

OCA (OCH)	A	B	C	D
ILS/DME CAT I	**256** (237)			
LOC/DME	**380** (361)			

DME IKTA	NM	7.8	6.8	5.8	4.8	3.8	2.8	1.8	0.8
DIST THR/RWY04	NM	7.6	6.6	5.6	4.6	3.6	2.6	1.6	0.6
ALTITUDE	FT	2500	2179	1861	1542	1224	905	587	268

GROUND SPEED (GS)	KNOTS	80	100	120	140	160	180
FAP - RWY04 (7.6 NM)	MIN:SEC	5:42	4:34	3:48	3:16	2:51	2:32
RATE OF DESCEND (318.4 FT/NM)	FT/MIN	420	530	630	740	850	960

CHANGES : ATS COMMUNICATION FREQUENCIES

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 04 - ELEV 19 FT

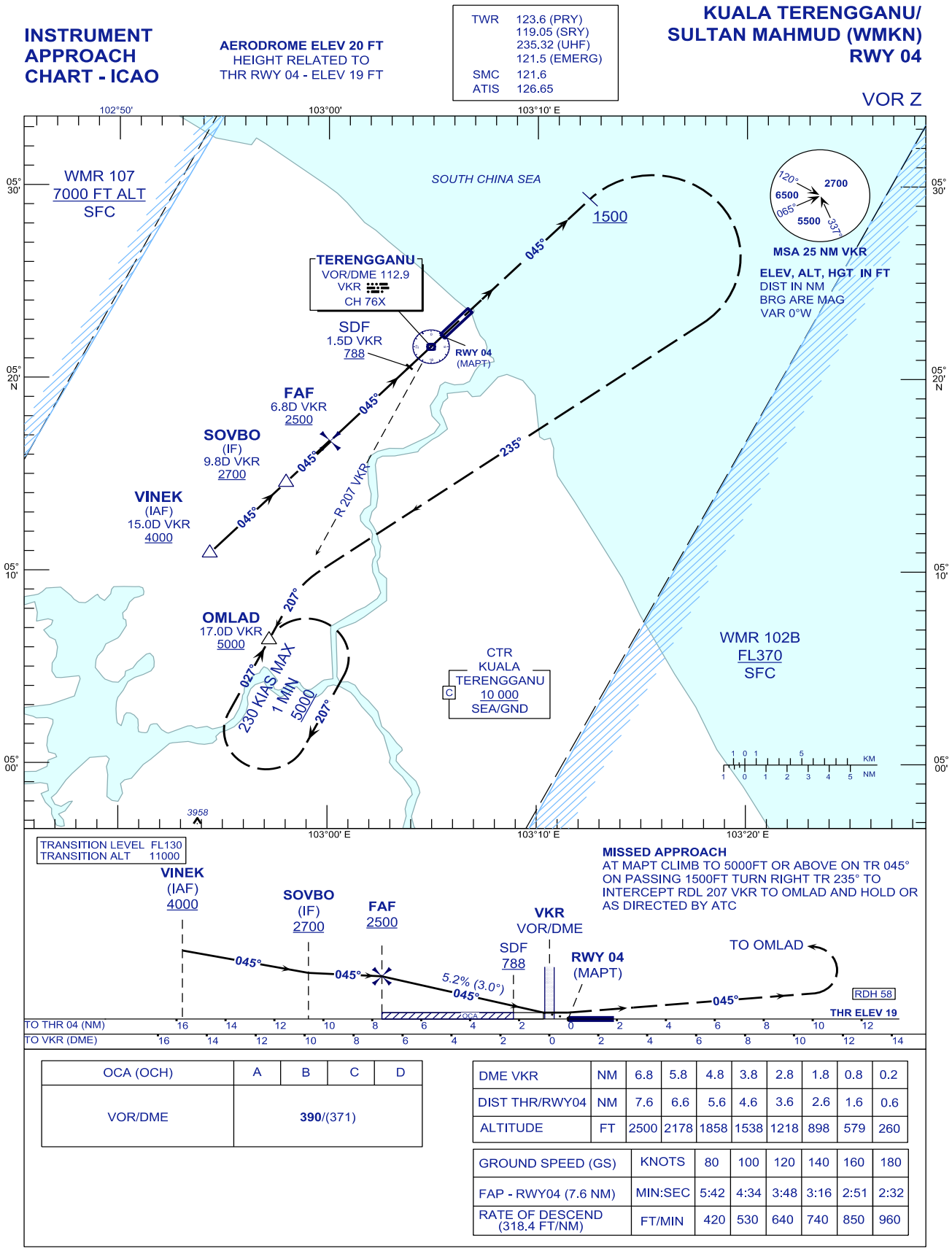
KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 04

ILS Y OR LOC Y

AERONAUTICAL DATA TABULATION

FIX/POINT/NAVAID		COORDINATES	
VKR VOR/DME	112.90MHZ / CH76X	05°21'38.43"N	103°04'54.18"E
SOVBO(IF)	RDL 225 VKR/10.8D IKTA	05°14'34.95"N	102°57'59.27"E
FAP/FAF	RDL 225 VKR/7.80D IKTA	05°16'44.22"N	103°00'05.30"E
GP / DME	IKTA 334.7 MHZ / CH 18X	05°22'21.28"N	103°05'30.79"E
ILS / LOC	IKTA 108.10 MHZ	05°23'39.76"N	103°06'53.34"E
RWY 04 (MAPT LOC ONLY)		05°22'11.16"N	103°05'26.45"E

CHANGES : AERODROME AND THRESHOLD ELEVATION.



OCA (OCH)	A	B	C	D
VOR/DME	**390**/(371)			

DME VKR	NM	6.8	5.8	4.8	3.8	2.8	1.8	0.8	0.2
DIST THR/RWY04	NM	7.6	6.6	5.6	4.6	3.6	2.6	1.6	0.6
ALTITUDE	FT	2500	2178	1858	1538	1218	898	579	260

GROUND SPEED (GS)	KNOTS	80	100	120	140	160	180
FAP - RWY04 (7.6 NM)	MIN:SEC	5:42	4:34	3:48	3:16	2:51	2:32
RATE OF DESCEND (318.4 FT/NM)	FT/MIN	420	530	640	740	850	960

CHANGES : ATS COMMUNICATION FREQUENCIES

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 04 - ELEV 19 FT

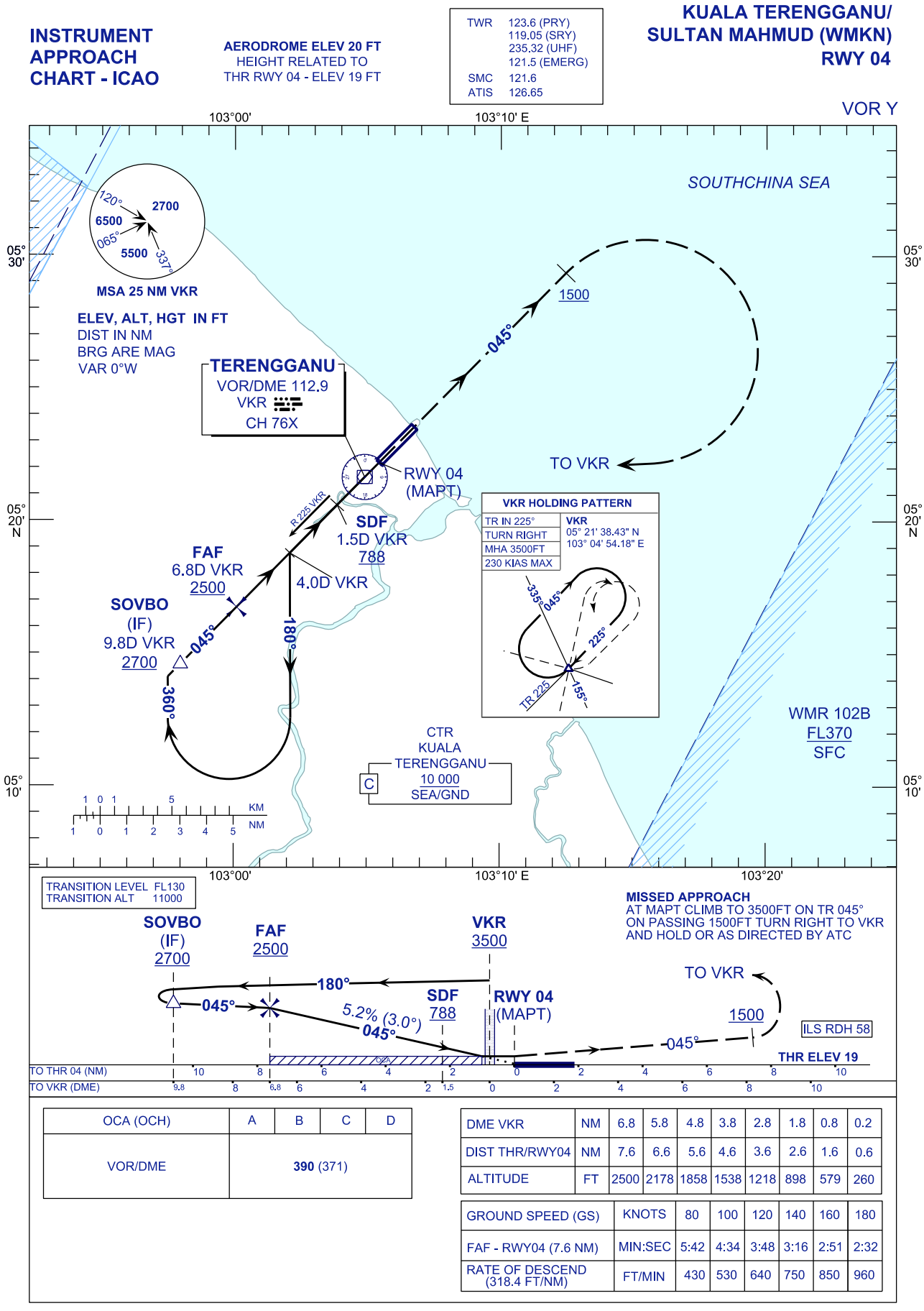
KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 04

VOR Z

AERONAUTICAL DATA TABULATION

FIX/POINT/NAVAID		COORDINATES	
VKR VOR/DME	112.90MHZ / CH76X	05°21'38.43"N	103°04'54.18"E
SOVBO (IF)	RDL 225 / 9.8D VKR	05°14'34.95"N	102°57'59.27"E
FAF	RDL 225 / 6.8D VKR	05°16'44.22"N	103°00'05.30"E
SDF	RDL 225 / 1.5D VKR	05°20'36.28"N	103°03'53.41"E
VINEK	RDL 225 / 15.0D VKR	05°10'54.16"N	102°54'21.08"E
OMLAD	RDL 207 / 17.0D VKR	05°06'24.29"N	102°57'11.80"E
RWY 04 (MAPT)		05°22'11.16"N	103°05'26.45"E

CHANGES : AERODROME AND THRESHOLD ELEVATION



OCA (OCH)	A	B	C	D
VOR/DME	**390** (371)			

DME VKR	NM	6.8	5.8	4.8	3.8	2.8	1.8	0.8	0.2
DIST THR/RWY04	NM	7.6	6.6	5.6	4.6	3.6	2.6	1.6	0.6
ALTITUDE	FT	2500	2178	1858	1538	1218	898	579	260

GROUND SPEED (GS)	KNOTS	80	100	120	140	160	180
FAF - RWY04 (7.6 NM)	MIN:SEC	5:42	4:34	3:48	3:16	2:51	2:32
RATE OF DESCEND (318.4 FT/NM)	FT/MIN	430	530	640	750	850	960

CHANGES : ATS COMMUNICATION FREQUENCIES

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 04 - ELEV 19 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 04

VOR Y

AERONAUTICAL DATA TABULATION

FIX/POINT		COORDINATES	
VKR VOR/DME	112.90MHZ / CH76X	05°21'38.43"N	103°04'54.18"E
SOVBO (IF)	RDL 225 VKR/9.8D VKR	05°14'34.95"N	102°57'59.27"E
FAF	RDL 225 VKR/6.8D VKR	05°16'44.00"N	103°00'05.70"E
SDF	RDL 225 VKR/1.5D VKR	05°20'35.46"N	103°03'52.10"E
RWY 04 (MAPT)		05°22'11.16"N	103°05'26.45"E

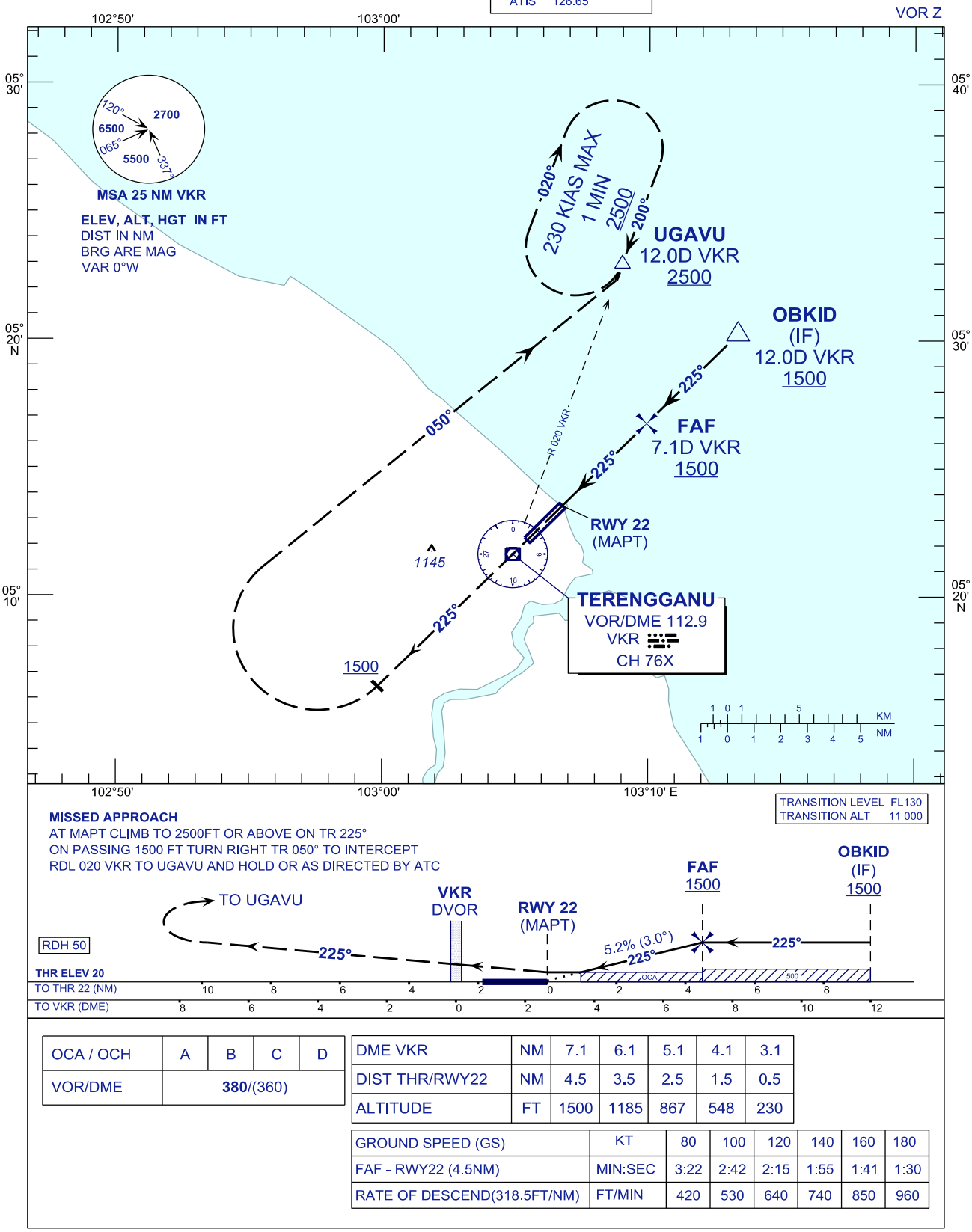
CHANGES : AERODROME AND THRESHOLD ELEVATION

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 22 - ELEV 20 FT

TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 22



OCA / OCH	A	B	C	D
VOR/DME	**380**/(360)			

DME VKR	NM	7.1	6.1	5.1	4.1	3.1
DIST THR/RWY22	NM	4.5	3.5	2.5	1.5	0.5
ALTITUDE	FT	1500	1185	867	548	230

GROUND SPEED (GS)	KT	80	100	120	140	160	180
FAF - RWY22 (4.5NM)	MIN:SEC	3:22	2:42	2:15	1:55	1:41	1:30
RATE OF DESCEND(318.5FT/NM)	FT/MIN	420	530	640	740	850	960

CHANGES : ATS COMMUNICATION FREQUENCIES

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 22 - ELEV 20 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 22

VOR Z

AERONAUTICAL DATA TABULATION

FIX/POINT/NAVAID		COORDINATES	
VKR VOR/DME	112.90MHZ / CH76X	05°21'38.43"N	103°04'54.18"E
OBKID(IF)	RDL 045 VKR/12.0 VKR	05°30'13.96"N	103°13'20.67"E
FAF	RDL 045 VKR/7.1D VKR	05°26'44.80"N	103°09'55.13"E
RWY 22 (MAPT)		05°23'31.96"N	103°06'45.68"E

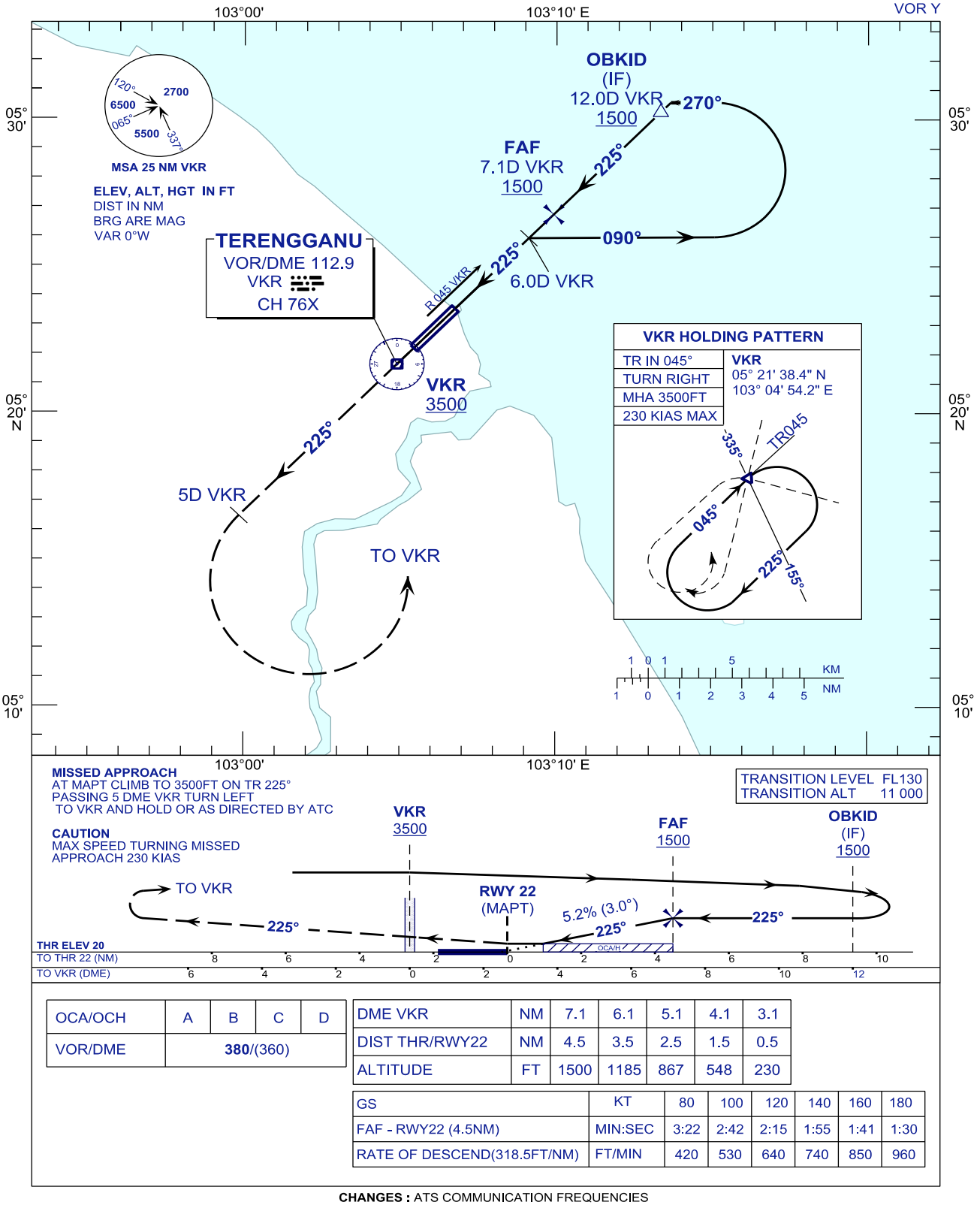
CHANGES : AERODROME AND THRESHOLD ELEVATION

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 22 - ELEV 20 FT

TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 22



OCA/OCH	A	B	C	D
VOR/DME	**380**/(360)			

DME VKR	NM	7.1	6.1	5.1	4.1	3.1
DIST THR/RWY22	NM	4.5	3.5	2.5	1.5	0.5
ALTITUDE	FT	1500	1185	867	548	230

GS	KT	80	100	120	140	160	180
FAF - RWY22 (4.5NM)	MIN:SEC	3:22	2:42	2:15	1:55	1:41	1:30
RATE OF DESCEND(318.5FT/NM)	FT/MIN	420	530	640	740	850	960

CHANGES : ATS COMMUNICATION FREQUENCIES

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 22 - ELEV 20 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 22

VOR Y

AERONAUTICAL DATA TABULATION

FIX/POINT		COORDINATES	
VKR VOR/DME	112.90MHZ / CH76X	05°21'38.43"N	103°04'54.18"E
OBKID(IF)	RDL 045 /12.0D VKR	05°30'13.96"N	103°13'20.67"E
FAF	RDL 045 / 7.1D VKR	05°26'44.80"N	103°09'55.13"E
RWY 22 (MAPT)		05°23'31.96"N	103°06'45.68"E

CHANGES : AERODROME AND THRESHOLD ELEVATION

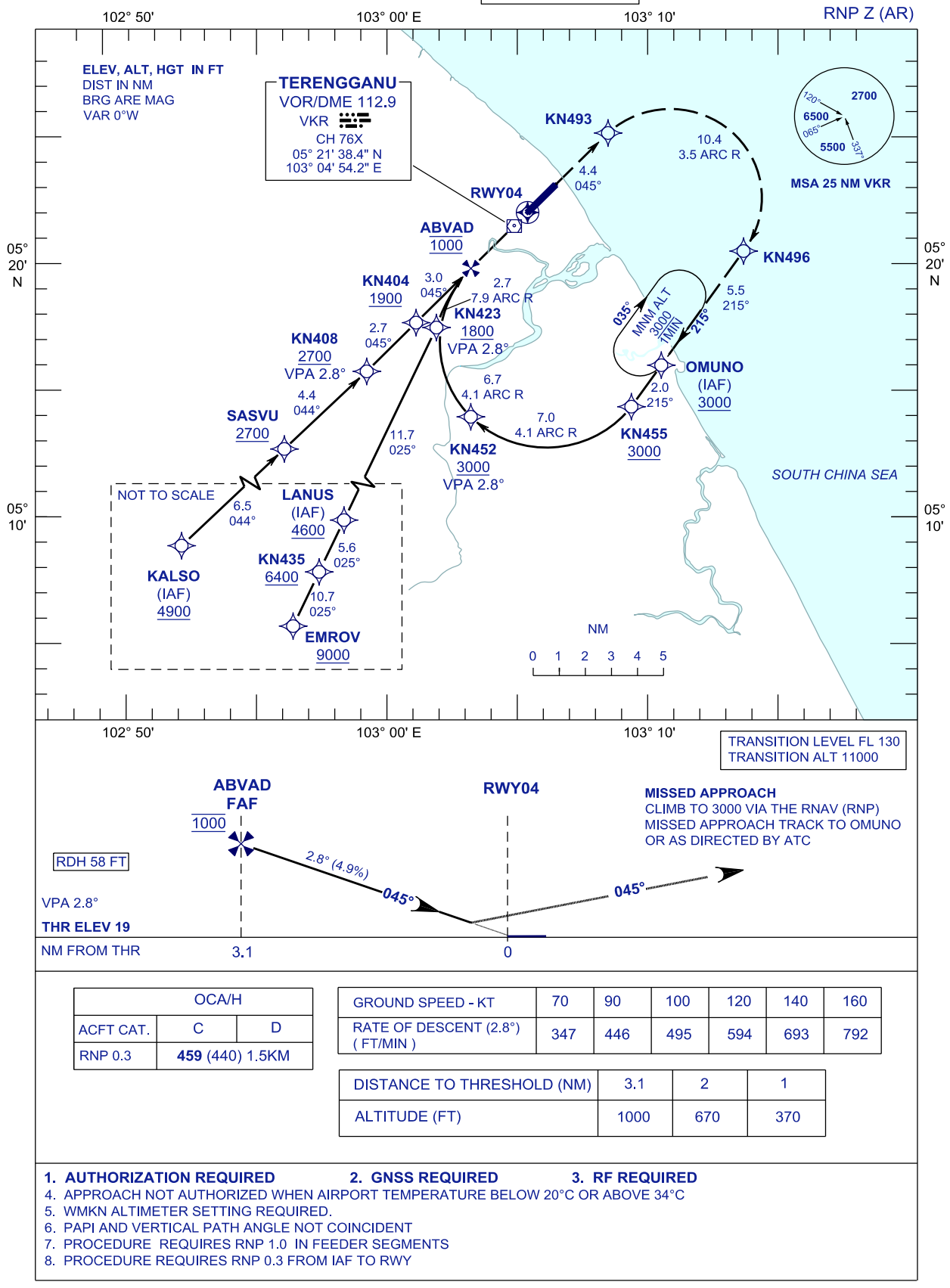
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 04 - ELEV 19 FT

TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN)
RWY 04

RNP Z (AR)



TRANSITION LEVEL FL 130
TRANSITION ALT 11000

MISSED APPROACH
CLIMB TO 3000 VIA THE RNAV (RNP)
MISSED APPROACH TRACK TO OMUNO
OR AS DIRECTED BY ATC

OCA/H		
ACFT CAT.	C	D
RNP 0.3	**459** (440) 1.5KM	

GROUND SPEED - KT	70	90	100	120	140	160
RATE OF DESCENT (2.8°) (FT/MIN)	347	446	495	594	693	792

DISTANCE TO THRESHOLD (NM)	3.1	2	1
ALTITUDE (FT)	1000	670	370

1. **AUTHORIZATION REQUIRED** 2. **GNSS REQUIRED** 3. **RF REQUIRED**
4. APPROACH NOT AUTHORIZED WHEN AIRPORT TEMPERATURE BELOW 20°C OR ABOVE 34°C
5. WMKN ALTIMETER SETTING REQUIRED.
6. PAPI AND VERTICAL PATH ANGLE NOT COINCIDENT
7. PROCEDURE REQUIRES RNP 1.0 IN FEEDER SEGMENTS
8. PROCEDURE REQUIRES RNP 0.3 FROM IAF TO RWY

CHANGES : ATS COMMUNICATION FREQUENCIES

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 04 - ELEV 19 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 04

RNP Z (AR)

EMROV TRANSITION

NO	PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK / DIST OR COURSE / TIME	ARC DIRECTION	ALTITUDE (FT)	IAS (KT)	VPA (°)	RNP
001	IF	EMROV	-	N	-	-	-	+9000	-	-	-
002	TF	KN435	-	N	-	25.0°M / 10.7NM	-	+6400	-	-	1.0
003	TF	LANUS	-	N	IAF	25.0°M / 5.6NM	-	+4600	-	-	1.0
004	TF	KN423	-	N	-	25.0°M / 11.7NM	-	+1800	-	-	0.3
005	RF	ABVAD	RKN42	N	-	7.9NM RF / 2.7NM	R	@1000	-	-2.80	0.3

KALSO TRANSITION

NO	PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK / DIST OR COURSE / TIME	ARC DIRECTION	ALTITUDE (FT)	IAS (KT)	VPA (°)	RNP
001	IF	KALSO	-	N	IAF	-	-	+4900	-	-	-
002	TF	SASVU	-	N	-	44.4°M / 6.5NM	-	+2700	-	-	0.3
003	TF	KN408	-	N	-	44.1°M / 4.4NM	-	+2700	-	-	0.3
004	TF	KN404	-	N	-	44.5°M / 2.7NM	-	+1900	-	-2.80	0.3
005	TF	ABVAD	-	N	-	44.5°M / 3.0NM	-	@1000	-	-2.80	0.3

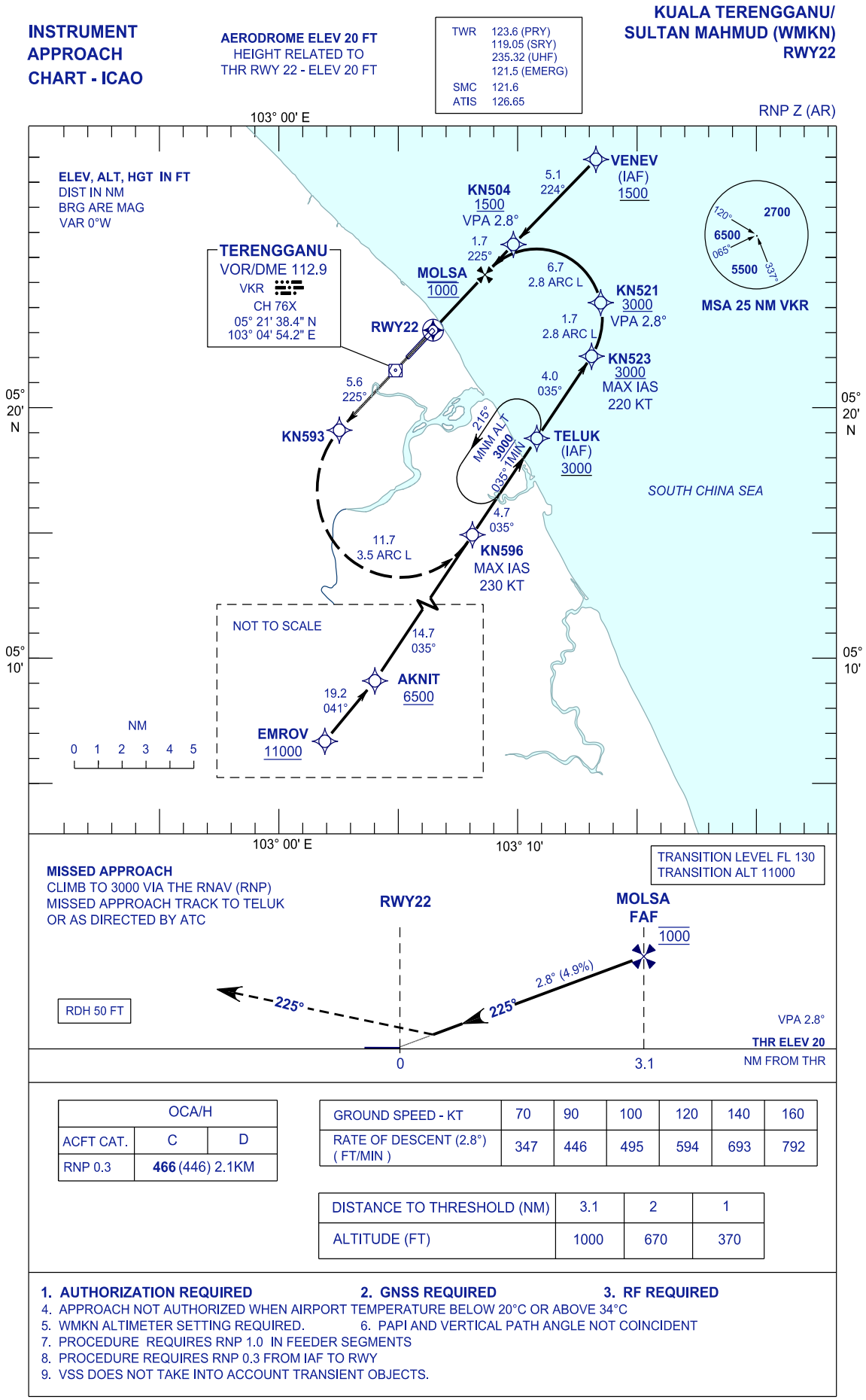
OMUNO TRANSITION

NO	PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK / DIST OR COURSE / TIME	ARC DIRECTION	ALTITUDE (FT)	IAS (KT)	VPA (°)	RNP
001	IF	OMUNO	-	N	IAF	-	-	+3000	-	-	-
002	TF	KN455	-	N	-	214.9°M / 2.0NM	-	+3000	-	-	0.3
003	RF	KN452	RKN45	N	-	4.1NM RF / 7.0NM	R	+3000	-	-	0.3
004	RF	ABVAD	RKN45	N	-	4.1NM RF / 6.7NM	R	@1000	-	-2.80	0.3

FINAL AND MISSED APPROACH

NO	PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK / DIST OR COURSE / TIME	ARC DIRECTION	ALTITUDE (FT)	IAS (KT)	VPA (°)	RNP
001	IF	ABVAD	-	N	FAF	-	-	@1000	-	-	-
002	TF	RWY04	-	Y	MAP	44.6°M / 3.1NM	-	0078	-	-2.80	0.3
003	TF	KN493	-	N	-	44.6°M / 4.4NM	-	-	-	-	1.0
004	TF	KN496	RKN49	N	-	3.5NM RF / 10.4NM	R	-	-	-	1.0
005	TF	OMUNO	-	N	-	214.9°M / 5.5NM	-	+3000	-	-	1.0

CHANGES : AERODROME AND THRESHOLD ELEVATION



	OCA/H	
ACFT CAT.	C	D
RNP 0.3	**466** (446) 2.1KM	

GROUND SPEED - KT	70	90	100	120	140	160
RATE OF DESCENT (2.8°) (FT/MIN)	347	446	495	594	693	792

DISTANCE TO THRESHOLD (NM)	3.1	2	1
ALTITUDE (FT)	1000	670	370

1. **AUTHORIZATION REQUIRED** 2. **GNSS REQUIRED** 3. **RF REQUIRED**
4. APPROACH NOT AUTHORIZED WHEN AIRPORT TEMPERATURE BELOW 20°C OR ABOVE 34°C
5. WMKN ALTIMETER SETTING REQUIRED. 6. PAPI AND VERTICAL PATH ANGLE NOT COINCIDENT
7. PROCEDURE REQUIRES RNP 1.0 IN FEEDER SEGMENTS
8. PROCEDURE REQUIRES RNP 0.3 FROM IAF TO RWY
9. VSS DOES NOT TAKE INTO ACCOUNT TRANSIENT OBJECTS.

CHANGES : ATS COMMUNICATION FREQUENCIES

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 22 - ELEV 20 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY22

RNP Z (AR)

EMROV TRANSITION

NO	PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK / DIST OR COURSE / TIME	ARC DIRECTION	ALTITUDE (FT)	IAS (KT)	VPA (°)	RNP
001	IF	EMROV	-	N	-	-	-	+11000	-	-	-
002	TF	AKNIT	-	N	-	41.1°M / 19.2NM	-	+6500	-	-	1.0
003	TF	TELUK	-	N	IAF	35.1°M / 14.7NM	-	+3000	-	-	1.0
004	TF	KN523	-	N	-	35.1°M / 4.0NM	-	+3000	-220	-	0.3
005	RF	KN521	RKN52	N	-	2.8NM RF / 1.7NM	L	+3000	-220	-	0.3
006	RF	MOLSA	RKN52	N	-	2.8NM RF / 6.7NM	L	@1000	-	-2.80	0.3

VENEV TRANSITION

NO	PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK / DIST OR COURSE / TIME	ARC DIRECTION	ALTITUDE (FT)	IAS (KT)	VPA (°)	RNP
001	IF	VENEV	-	N	IAF	-	-	+1500	-	-	-
002	TF	KN504	-	N	-	224.4°M / 5.1NM	-	+1500	-	-	0.3
003	TF	MOLSA	-	N	-	224.6°M / 1.7NM	-	@1000	-	-2.80	0.3

FINAL AND MISSED APPROACH

NO	PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK / DIST OR COURSE / TIME	ARC DIRECTION	ALTITUDE (FT)	IAS (KT)	VPA (°)	RNP
001	IF	MOLSA	-	N	FAF	-	-	@1000	-	-	-
002	TF	RWY22	-	Y	MAP	224.6°M / 3.1NM	-	0071	-	-2.80	0.3
003	TF	KN593	-	N	-	224.6°M / 5.6NM	-	-	-	-	0.5
004	RF	KN596	RKN59	N	-	3.5NM RF / 11.7NM	L	-	-230	-	1.0
005	TF	TELUK	-	N	-	35.1°M / 4.7NM	-	+3000	-	-	1.0

CHANGES : AERODROME AND THRESHOLD ELEVATION

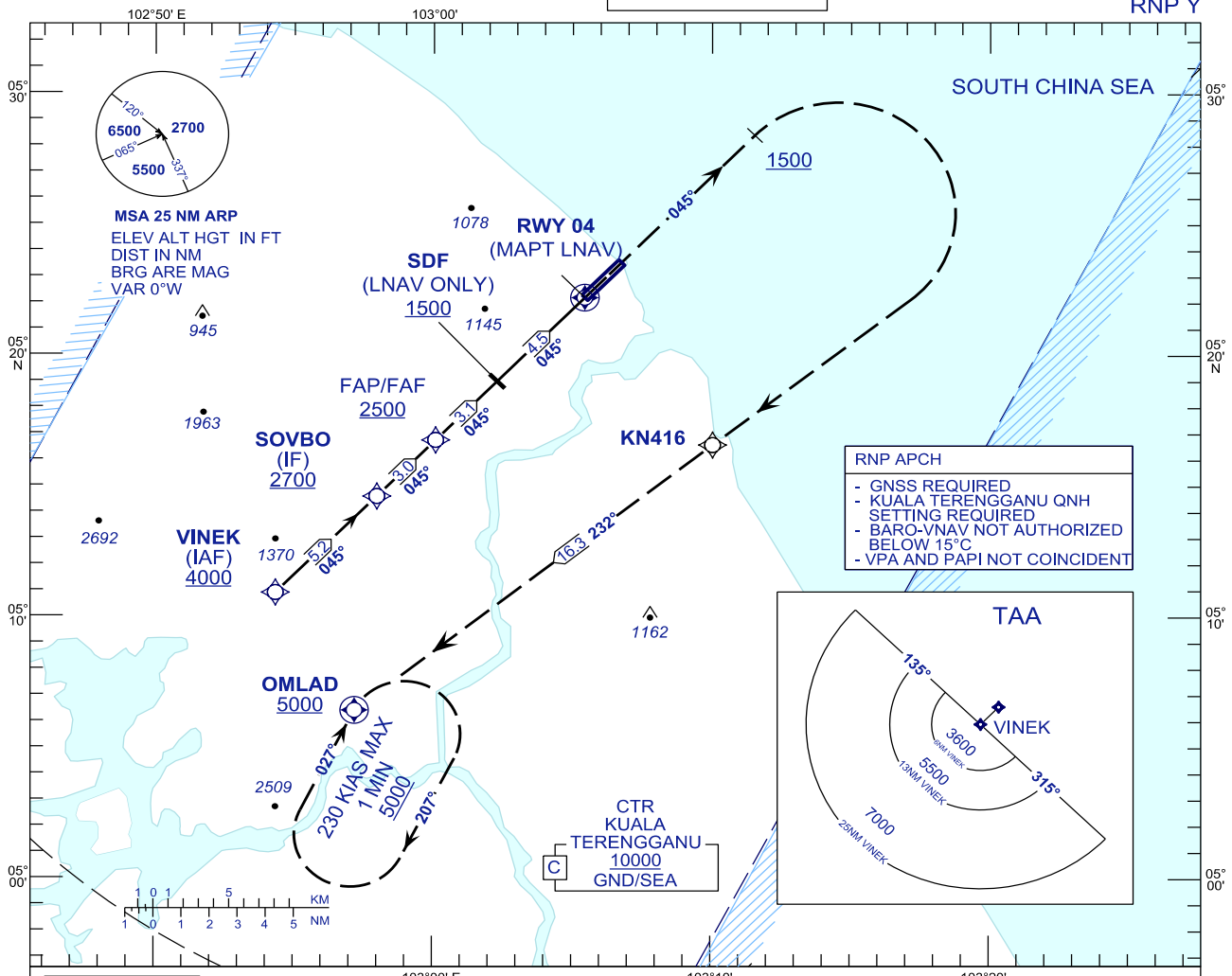
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 04 - ELEV 19 FT

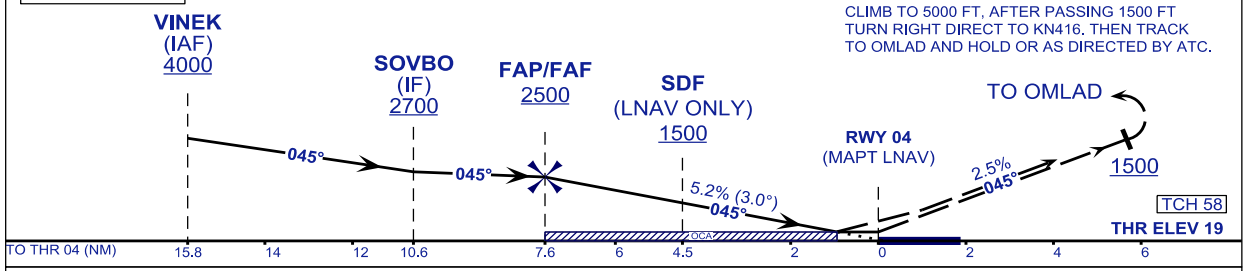
TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 04

RNP Y



TRANSITION LEVEL FL 130
TRANSITION ALT 11000



MISSED APPROACH
CLIMB TO 5000 FT, AFTER PASSING 1500 FT TURN RIGHT DIRECT TO KN416, THEN TRACK TO OMLAD AND HOLD OR AS DIRECTED BY ATC.

OCA/H				
ACFT CAT.	A	B	C	D
STRAIGHT IN APPROACH — LNAV	**374** (355)			
STRAIGHT IN APPROACH — LNAV/VNAV	**374** (355)			

DISTANCE TO THRESHOLD (NM)	7.6	6.6	5.6	4.6	3.6	2.6	1.6	0.6
ALTITUDE (FT)	2500	2179	1861	1542	1224	905	587	269

GROUND SPEED (GS)	KTS	80	100	120	140	160	180
FAP - RWY04 (7.6 NM)	MIN:SEC	5:42	4:34	3:48	3:16	2:51	2:32
RATE OF DESCEND (318.4 FT/NM)	FT/MIN	420	530	640	740	850	960

CHANGES : ATS COMMUNICATION FREQUENCIES

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 04 - ELEV 19 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 04

RNP Y

TABULAR DESCRIPTION

SEQ.	PATH TERM.	WAYPOINT IDENTIFIER	FLY OVER	WPT. DESC.	COURSE/ TRACK (°M)	DISTANCE (NM)	TURN DIR.	ALTITUDE (FT)	SPEED LIMIT (KT)	VPA/TCH	NAV. SPEC.
010	IF	VINEK	N	IAF	-	-	-	+4000	-250	-	-
020	TF	SOVBO	N	IF	045°	5.2	-	+2700	-	-	RNP APCH
030	TF	FAP/FAF	N	FAF	045°	3.0	-	+2500	@185	-	RNP APCH
040	TF	SDF	N	SDF	045°	3.1	-	+1500	-	-3.00°	RNP APCH
050	TF	RWY 04	Y	MAPT	045°	4.5	-	-	-	-3.00°/58	RNP APCH
020	VA	-	N	-	045°	-	-	+1500	-	-	RNP APCH
030	DF	KN416	N	-	-	-	R	-	-	-	RNP APCH
040	TF	OMLAD	Y	-	232°	16.3	-	+5000	-	-	RNP APCH
050	HM	OMLAD	Y	HF	-	-	R	+5000	-230	-	RNAV 1

WAYPOINT LIST

FIX/POINT	COORDINATES	
VINEK (IAF)	05°10'54.16"N	102°54'21.08"E
SOVBO (IF)	05°14'34.95"N	102°57'59.27"E
FAP/FAF	05°16'44.00"N	103°00'05.70"E
SDF	05°18'59.04"N	103°02'18.07"E
RWY04 (MAPT LNAV)	05°22'11.16"N	103°05'26.45"E
KN416	05°16'33.94"N	103°10'02.71"E
OMLAD	05°06'24.29"N	102°57'11.80"E

CHANGES : AERODROME AND THRESHOLD ELEVATION

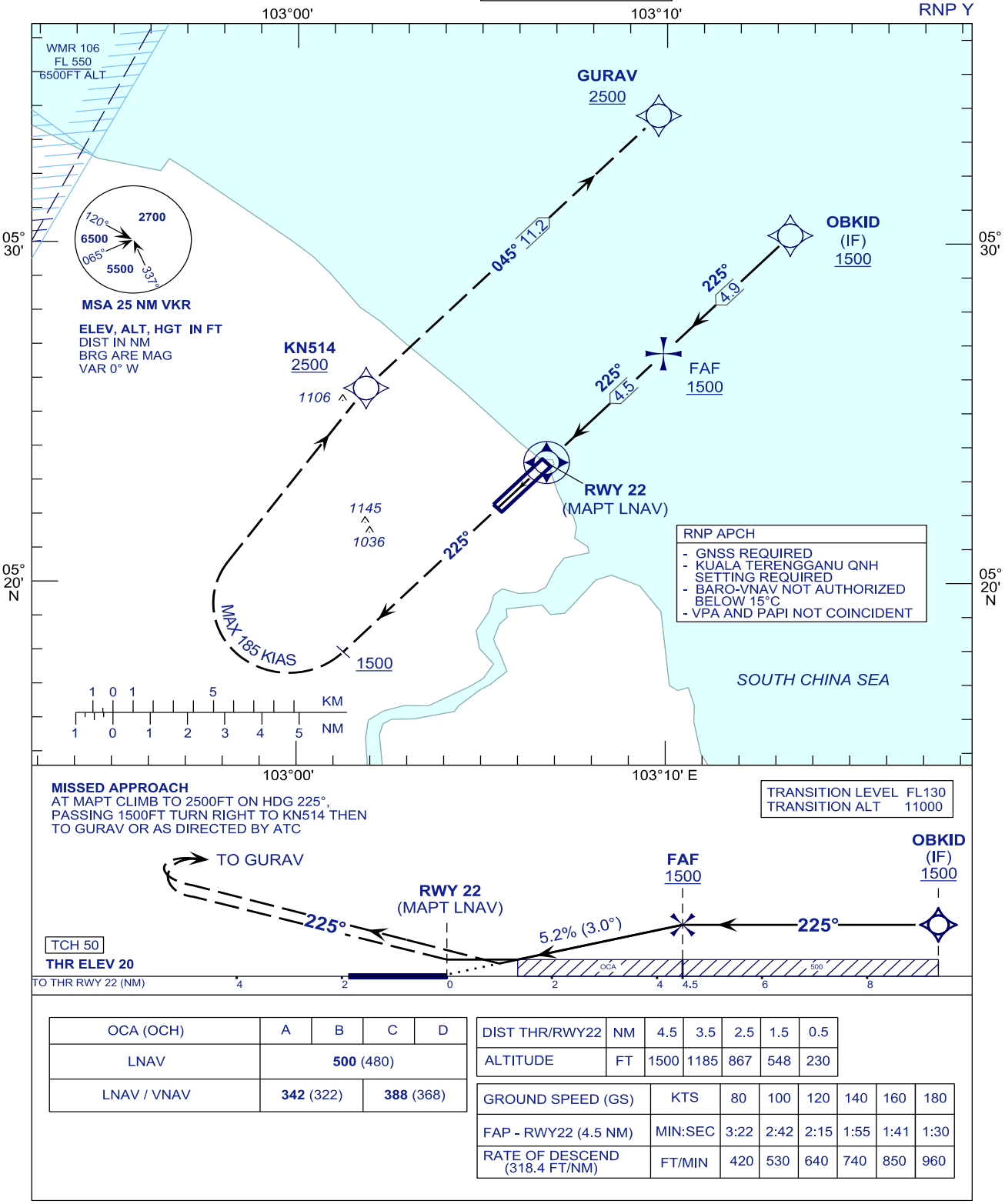
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 22 - ELEV 20 FT

TWR	123.6 (PRY) 119.05 (SRY) 235.32 (UHF) 121.5 (EMERG)
SMC	121.6
ATIS	126.65

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 22

RNP Y



MISSED APPROACH
AT MAPT CLIMB TO 2500FT ON HDG 225°,
PASSING 1500FT TURN RIGHT TO KN514 THEN
TO GURAV OR AS DIRECTED BY ATC

TRANSITION LEVEL FL130
TRANSITION ALT 11000

OCA (OCH)	A	B	C	D
LNAV	**500** (480)			
LNAV / VNAV	**342** (322)		**388** (368)	

DIST THR/RWY22	NM	4.5	3.5	2.5	1.5	0.5
ALTITUDE	FT	1500	1185	867	548	230

GROUND SPEED (GS)	KTS	80	100	120	140	160	180
FAP - RWY22 (4.5 NM)	MIN:SEC	3:22	2:42	2:15	1:55	1:41	1:30
RATE OF DESCEND (318.4 FT/NM)	FT/MIN	420	530	640	740	850	960

CHANGES : ATS COMMUNICATION FREQUENCIES

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 20 FT
HEIGHT RELATED TO
THR RWY 22 - ELEV 20 FT

KUALA TERENGGANU/ SULTAN MAHMUD (WMKN) RWY 22

RNP Y

TABULAR DESCRIPTION

SEQ.	PATH TERM.	WAYPOINT IDENTIFIER	FLY OVER	WPT. DESC.	COURSE/ TRACK (°M)	DISTANCE (NM)	TURN DIR.	ALTITUDE (FT)	SPEED LIMIT (KT)	VPA/TCH	NAV. SPEC.
010	IF	OBKID	N	IF	-	-	-	+1500	-	-	-
020	TF	FAF	N	FAF	225°	4.9	-	+1500	-	-	RNP APCH
030	TF	RWY 22	Y	MAPT	225°	4.5	-	-	-	-3.00°/50	RNP APCH
040	CA	-	N	-	225°	-	-	+1500	-	-	RNP APCH
050	DF	KN514	N	-	-	-	R	+2500	-185	-	RNP APCH
060	TF	GURAV	N	-	045°	11.2	-	+2500	-	-	RNP APCH

WAYPOINT LIST

FIX/POINT	COORDINATES
OBKID(IF)	05°30'13.96"N 103°13'20.67"E
FAF	05°26'44.80"N 103°09'55.13"E
RWY 22 (MAPT LNAV)	05°23'31.94"N 103°06'45.70"E
KN514	05°25'42.60"N 103°01'51.93"E
GURAV	05°25'42.60"N 103°09'46.18"E

CHANGES : AERODROME AND THRESHOLD ELEVATION

2	RWY and TWY markings and LGT	RWY: Designation, threshold, side stripe, transverse stripe, touchdown zone, aiming point and chevron markings. TWY: Centre line, taxi side stripe, intermediate holding position and runway-holding position markings. TWY LGT: Centre line, exit and edge lights. RWY LGT: Edge, threshold lights and end lights.
3	Stop bars	NIL
4	Remarks	B747-800 Operations refer to Aerodrome Ground Movement Chart - ICAO

WMKP AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMKPOB001	HILL	051845N 1001650E	HGT 390 FT AMSL.	NIL	DIST 1.81 KM, BRG 004° (T) FM ARP
WMKPOB002	HILL	051925N 1001910E	HGT 693 FT AMSL.	NIL	DIST 5.39 KM, BRG 058° (T) FM ARP
WMKPOB003	HILL	051702N 1001508E	HGT 563 FT AMSL.	NIL	DIST 3.32 KM, BRG 239° (T) FM ARP, HGT
WMKPOB004	HILL	051540N 1001645E	HGT 693 FT AMSL.	NIL	DIST 3.99 KM, BRG 178° (T) FM ARP
WMKPOB005	HILL	051615N 1001640E	HGT 517 FT AMSL.	NIL	DIST 2.89 KM, BRG 184° (T) FM ARP
WMKPOB006	Aerial Mast	NIL	HGT 2200FT MSL.	LGTD	DIST 10.2 KM, BRG 349° FM ARP
WMKPOB007	BUILDING	051742.7N 1001511.4E	HGT 220 FT MSL.	LGTD	NIL
WMKPOB008	BUILDING	051742.7N 1001644.4E	HGT 266 FT 8 IN MSL.	LGTD	NIL
WMKPOB009	BUILDING	050858.8N 1001325.4E	HGT 289 FT MSL.	LGTD	NIL
WMKPOB010	BUILDING	051932.7N 1001701.4E	HGT 412 FT MSL.	LGTD	NIL
WMKPOB011	BUILDING	051958.7N 1001725.4E	HGT 317 FT MSL.	LGTD	NIL
WMKPOB012	BUILDING	052016.7N 1001701.4E	HGT 450 FT MSL.	LGTD	NIL
WMKPOB013	BUILDING	051934.7N 1001631.4E	HGT 255 FT MSL.	LGTD	NIL
WMKPOB014	BUILDING	051828.7N 1001610.4E	HGT 270 FT MSL.	LGTD	NIL
WMKPOB015	BUILDING	052000.7N 1001730.4E	HGT 390.4 FT MSL.	LGTD	NIL
WMKPOB016	BUILDING	051904.7N 1001617.4E	HGT 253 FT MSL.	LGTD	NIL
WMKPOB017	BUILDINGS	051840.8N 1001643E - 051939.2N 1001738.4E - 052055.3N 1001806.0E - 052057.6N 1001625.5E - 051959N 1001506E	HGT 100 M AGL	NIL	Erected within coordinate.
WMKPOB018	BUILDING	051955N 1001833E	HGT 295 FT AMSL	LGTD	NIL
WMKPOB019	HILL	051957N 1001834E	HGT 390 FT AMSL.	NIL	DIST 1.81 KM, BRG 004° (T) FM ARP

WMKP AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMO BAYAN LEPAS
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO BAYAN LEPAS H24 (0024 0606 1212 1818)
4	Trend forecast Interval of issuance	TREND Half hourly
5	Briefing/consultation provided	Provided
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	Flight Level Wind/Temp FL050, FL100, FL140, FL180, FL240, FL270, FL300, FL320, FL340, FL360, FL390, FL410, FL450 and FL530, SIGWX, Volcanic Ash/Tropical Cyclone Advisory Bulletin, SIGMET, AIRMET, Aerodrome Warning, METAR Bulletin, TAFOR Bulletin, WMKP Take-Off Data, Area QNH for Kuala Lumpur FIR and Kota Kinabalu FIR, Radar and Satellite Pictures.
8	Supplementary equipment available for providing information	Doppler Weather Radar and Aviation Self-Briefing Terminal - ABT (Internet)
9	ATS units provided with information	Penang APP/TWR
10	Additional information (limitation of service, etc.)	TEL: +604 - 6438302 / 6456194 Telefax:+604 - 6449076 / 6804

WMKP AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCR) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
04	42.24°	3354 x 46	PCR 787 / R / A / W / U - 50 M Concrete(Rigid) PCR 577 / F / A / W / U - 3304 M Asphalt(Flexible)	THR coordinates 051709.41N 1001600.14E RWY end coordinates 051830.25N 1001713.37E GUND -11.6M	THR: 2.7 M (8.9 FT) TDZ: 2.7 M (8.9 FT)
22	222.24°	3354 x 46	PCR 787 / R / A / W / U - 50 M Asphalt(Flexible) PCR 577 / F / A / W / U - 3304 M Concrete(Rigid)	THR coordinates 051830.25N 1001713.37E RWY end coordinates 051709.41N 1001600.14E GUND -12M	THR: 3 M(10FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
+0.012%	NIL	NIL	3474 x 280	NIL	RESA: 90M x 92M
-0.012%	NIL	NIL	3474 x 280	NIL	RESA: 90M x 92M

WMKP AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)		TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2		3	4	5	6
	FROM	TORA				
04	THRESHOLD	3354	3354	3354	3354	NIL
	INTERSECTION B	2686	2686	2686	N/A	NIL
22	THRESHOLD	3354	3354	3354	3354	NIL
	INTERSECTION D	2283	2283	2283	N/A	NIL

WMKP AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
04	CAT1 918.5 M LIH	Green -	PAPI Left & Right / Slope 3° 17.6 M (57.7 FT)	NIL	NIL	3354 M 60 M Variable White/ Yellow LIH	Red	NIL	Inconsistent Interval Distance of Runway 04 Approach Light Mast From Row No. 21 to Row No. 30
22	SALS 420 M LIH	Green -	PAPI Left & Right / Slope 3° 18.4 M (60.4 FT)	NIL	NIL	3354 M 60 M Variable White/ Yellow LIH	Red	NIL	NIL

WMKP AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	ABN: Available on top of Control Tower, FLG Green and WHITE 20 to 30 per minute.ON at night and during bad weather. IBN:Nil
2	LDI location and LGT Anemometer location and LGT	LDI: NIL Wind-direction indicator (WDI) RWY 04: 305 M from THR on left side, 130 M from RWY centre line and lighted. RWY 22: 351 M from THR on left side, 100 M from RWY centre line and lighted.
3	TWY edge and centre line lighting	TWY Edge Lights - At exit curve TWY Centre line lights - All TWY
4	Secondary power supply/switch-over time	Secondary power supply: Available to all AGL at AD. Switch-over time: Maximum 15 seconds
5	Remarks	NIL

WMKP AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL

3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WMKP AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	BUTTERWORTH CTR Semi-circle of 15 NM radius centred on VBT (052837.19N 1002335.81E) from 053653N 1001113E clockwise to 051947N 1003555E thence a straight line to 050817N 1002755E thence a semi-circle of 15 NM radius centred VPG (051646.7N 1001537.4E) clockwise to 052517N 1000319E thence a straight line to 053654N 1001118E.
2	Vertical limits	SFC to 5 500 FT AMSL
3	Airspace classification	Class C
4	ATS unit call sign Language(s)	BUTTERWORTH RADAR, PENANG TOWER, PENANG GROUND English
5	Transition altitude	11 000 FT AMSL
6	Remarks	NIL

WMKP AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
SMC	PENANG GROUND	121.600 MHZ 121.900 MHZ	H24	121.600 MHZ - For acft use. 121.900 MHZ - for vehicles use.
TWR	PENANG TOWER	121.100 MHZ		-
ATIS	PENANG INFORMATION	126.400 MHZ		-

WMKP AD 2.19 RADIO NAVIGATION AND LANDING AIDS

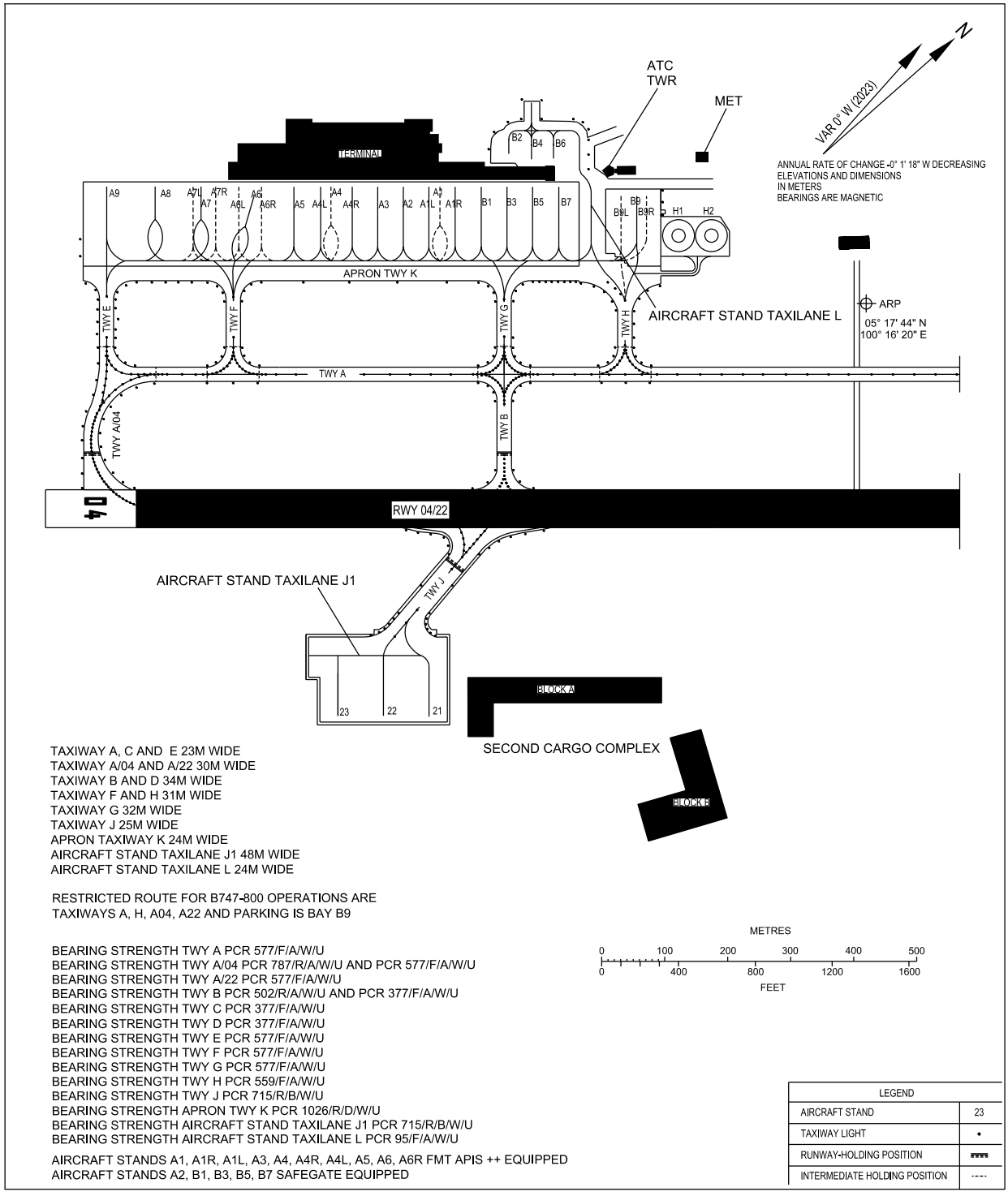
Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
ILS	IPG	109.900 MHZ	H24	051839.87N 1001722.00E	-	Alignment 042° / 222°
GP/DME	-	333.800 MHZ CH 36X		051716.7N 1001613.4E	-	G/P 3°. DME located at G/P.
DVOR/DME	VPG	116.200 MHZ CH 109X		051645.84N 1001538.78E	-	222° MAG / 0.53NM to THR RWY 04.

AIRCRAFT PARKING/ DOCKING CHART - ICAO

APRON ELEV
4 M

TWR 121.1
SMC 121.6
121.9
ATIS 126.4

PENANG/PENANG INTERNATIONAL AIRPORT



TAXIWAY A, C AND E 23M WIDE
TAXIWAY A/04 AND A/22 30M WIDE
TAXIWAY B AND D 34M WIDE
TAXIWAY F AND H 31M WIDE
TAXIWAY G 32M WIDE
TAXIWAY J 25M WIDE
APRON TAXIWAY K 24M WIDE
AIRCRAFT STAND TAXILANE J1 48M WIDE
AIRCRAFT STAND TAXILANE L 24M WIDE

RESTRICTED ROUTE FOR B747-800 OPERATIONS ARE
TAXIWAYS A, H, A04, A22 AND PARKING IS BAY B9

METRES
0 100 200 300 400 500
0 400 800 1200 1600
FEET

BEARING STRENGTH TWY A PCR 577/F/A/W/U
BEARING STRENGTH TWY A/04 PCR 787/R/A/W/U AND PCR 577/F/A/W/U
BEARING STRENGTH TWY A/22 PCR 577/F/A/W/U
BEARING STRENGTH TWY B PCR 502/R/A/W/U AND PCR 377/F/A/W/U
BEARING STRENGTH TWY C PCR 377/F/A/W/U
BEARING STRENGTH TWY D PCR 377/F/A/W/U
BEARING STRENGTH TWY E PCR 577/F/A/W/U
BEARING STRENGTH TWY F PCR 577/F/A/W/U
BEARING STRENGTH TWY G PCR 577/F/A/W/U
BEARING STRENGTH TWY H PCR 559/F/A/W/U
BEARING STRENGTH TWY J PCR 715/R/B/W/U
BEARING STRENGTH APRON TWY K PCR 1026/R/D/W/U
BEARING STRENGTH AIRCRAFT STAND TAXILANE J1 PCR 715/R/B/W/U
BEARING STRENGTH AIRCRAFT STAND TAXILANE L PCR 95/F/A/W/U

AIRCRAFT STANDS A1, A1R, A1L, A3, A4, A4R, A4L, A5, A6, A6R FMT APIS ++ EQUIPPED
AIRCRAFT STANDS A2, B1, B3, B5, B7 SAFEGATE EQUIPPED

LEGEND	
AIRCRAFT STAND	23
TAXIWAY LIGHT	•
RUNWAY-HOLDING POSITION	
INTERMEDIATE HOLDING POSITION	----

CHANGES: UPDATE BEARING STRENGTH TAXIWAY

AIRCRAFT PARKING/ DOCKING CHART - ICAO

APRON ELEV
4 M

PENANG/PENANG INTERNATIONAL AIRPORT

AIRCRAFT PARKING/DOCKING STAND POSITION

INS COORDINATES FOR AIRCRAFT STANDS			SURFACE & STRENGTH	AIRCRAFT TYPE
A1	5°17'34.83"N	100°16'01.00"E	PCR 1360/R/D/W/U	B77W, B744, B773, A350, A333
A1R	5°17'35.22"N	100°16'01.74"E	PCR 685/R/C/W/U	A21N, B738, B739, A320, A319, AT76
A1L	5°17'34.21"N	100°16'00.83"E	PCR 685/R/C/W/U	B38M, A21N, B738, B739, A320, A321, AT76
A2	5°17'33.30"N	100°15'59.88"E	PCR 685/R/C/W/U	B38M, A21N B738, B739, A320, A321, A319,
A3	5°17'32.31"N	100°15'59.01"E	PCR 685/R/C/W/U	A21N, B738, B739, A320, A321
A4	5°17'30.59"N	100°15'57.30"E	PCR 1360/R/D/W/U	B77W, B744, B773, A350, A333
A4R	5°17'31.35"N	100°15'58.10"E	PCR 685/R/C/W/U	B38M, A21N, B738, B739, A320, A321
A4L	5°17'30.06"N	100°15'57.13"E	PCR 685/R/C/W/U	B38M, A21N, B738, B739, A320, A321
A5	5°17'29.13"N	100°15'56.10"E	PCR 685/R/C/W/U	B38M, A21N, B738, B739, A320, A321
A6	5°17'27.77"N	100°15'54.63"E	PCR 1360/R/D/W/U	B77W, B744, B773, A333
A6R	5°17'27.97"N	100°15'54.90"E	PCR 704/R/D/W/U	A21N, B738, B739, A320, A321,
A6L	5°17'26.69"N	100°15'54.39"E	PCR 157/R/D/W/U	AT76
A7	5°17'25.64"N	100°15'52.78"E	PCR 1360/R/D/W/U	B77W, B733, B734, B744, B773, A333
A7R	5°17'25.74"N	100°15'53.51"E	PCR 157/R/D/W/U	AT76
A7L	5°17'24.88"N	100°15'52.74"E	PCR 157/R/D/W/U	AT76
A8	5°17'23.89"N	100°15'51.20"E	PCR 1360/R/D/W/U	B77W, B744, B772, B773, A333
A9	5°17'22.04"N	100°15'49.56"E	PCR 1111/R/D/W/U	B77W, B744, B752, B772, B773, A333, A306
B1	5°17'36.19"N	100°16'02.66"E	PCR 704/R/D/W/U	B38M, A21N, B738, A320, AT76
B3	5°17'37.20"N	100°16'03.51"E	PCR 704/R/D/W/U	A21N, B738, A320, AT76
B5	5°17'38.14"N	100°16'04.46"E	PCR 704/R/D/W/U	A21N, B738, A320, AT76
B7	5°17'39.16"N	100°16'05.33"E	PCR 704/R/D/W/U	A21N, B738, A320, AT76
B9	5°17'41.79"N	100°16'08.12"E	PCR 1026/R/D/W/U	B748, B744, B773, B77W, A333
B9R	5°17'42.17"N	100°16'08.46"E	PCR 704/R/D/W/U	B38M, A21N, B733, B734, B738, B739, A320, A319, AT76
B9L	5°17'41.19"N	100°16'07.57"E	PCR 704/R/D/W/U	B38M, A21N, B733, B734, B738, B739, A320, A319, AT76
B2	5°17'38.81"N	100°16'02.15"E	PCR 116/F/B/X/U	AT76
B4	5°17'39.48"N	100°16'03.15"E	PCR 116/F/B/X/U	AT76
B6	5°17'40.33"N	100°16'03.92"E	PCR 116/F/B/X/U	AT76
H1	5°17'41.84"N	100°16'11.25"E	13 TONNES	MI-17
H2	5°17'43.12"N	100°16'12.41"E	13 TONNES	MI-17
21	5°17'14.95"N	100°16'19.87"E	PCR 801/R/C/W/U	A333, B752, B762, B763, A306
22	5°17'13.20"N	100°16'18.29"E	PCR 715/R/B/W/U	A333, B752, B762, B763, A306
23	5°17'11.45"N	100°16'16.70"E	PCR 715/R/B/W/U	A333, B752, B762, B763, A306

CHANGES: UPDATE BEARING STRENGTH APN BAY

6	Remarks	NIL

WMBT AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Yellow taxiing guidelines at apron. Nose wheel guidance line for all parking bays.
2	RWY and TWY markings and LGT	RWY: Runway designation, Centre line, Transverse and RWY Side Stripe Marking. Aiming point and Threshold Marking at RWY 20 only., TWY: Centre line, Side Stripe and RWY Holding Position. LGT not available
3	Stop bars	NIL
4	Remarks	Turn Pad at RWY 02.

WMBT AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMBTOB001	High concentration of tall trees	NIL	1600 FT	NIL	Away from the beginning of RWY 20 and on the eastern side of the approaches.
WMBTOB002	Coconut palms	NIL	50 FT - 80 FT	NIL	Long the side of flight strips.
WMBTOB003	A building and a mosque with cluster of fruit trees	NIL	20 FT	NIL	Away on the approach of RWY 20.
WMBTOB004	High Terrain - Hills	NIL	250 FT and 1000 FT	NIL	At 3/4 mile and a mile away from airfield towards NNE direction.
WMBTOB005	Security Fencing	NIL	4 FT AGL	NIL	Chain link and barbed wires on the top, above AD level on the approach ends marked by red/white/red indicators boards.
WMBTOB006	Obstacle	NIL	118 FT.	NIL	Painted orange and white and lighted

WMBT AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	NIL
2	Hours of service MET Office outside hours	NIL
3	Office responsible for TAF preparation Periods of validity	AMO KUANTAN H24 (0024 0606 1212 1818)
4	Trend forecast Interval of issuance	NIL
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and consultation but charts available upon request

8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	Tioman APP/TWR
10	Additional information (limitation of service, etc.)	NIL

WMBT AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
02	026.40°T	913 x 32	Asphalt (Flexible)	**THR Coordinates** 024852.40N 1040929.59E **RWY End** 024919.01N 1040942.73E **GUND** +7.979M	THR elevation: 9.352 M (30.682 FT)
20	206.40°T	913 x 32	Asphalt (Flexible)	**THR Coordinates** 024919.01N 1040942.73E **RWY End** 024852.40N 1040929.59E **GUND** +7.969M	THR elevation: 6.130 M (20.112 FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
-0.353%	NIL	NIL	973 x 60	NIL	Ground markers position on both sides of RWY 20 to denotes touchdown pt. One direction airfield due hill terrain. TKOF: RWY 02 and LDG: RWY 20 An apron (Tarmac) of dimension 250FT X 140FT and 240FT x 243FT are provided with 3 stub TWYs. Holding positions are marked. Overnight ACFT is to have their tail pushed on to the grass area to give space for other acft to manoeuvre. ACFT OPS in and out of Pulau Tioman are not permitted to make lock wheel turns whilst on the RWY and apron.
+0.353%	NIL	NIL	973 x 60	NIL	

WMBT AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
02	913	913	913	N/U	NIL

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
20	N/U	N/U	N/U	913	NIL

WMBT AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
02	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NIL
20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NIL

WMBT AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	LDI not available. Wind Direction Indicator (WDI) RWY 20 : 145.71 M FM THR on left, 35.81 M FM RWY CL and not LGTD.
3	TWYedge and centre line lighting	Not available
4	Secondary power supply/switch-over time	NIL
5	Remarks	NIL

WMBT AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WMBT AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	TIOMAN AFIS and lateral limits includes the Uncontrolled Aerodrome circle of 10NM radius centered from Tioman ARP (024908.6N 1040936.3E) and also covers until Mersing, Endau, Rompin, Nenasi and Pekan.
2	Vertical limits	From SFC to 3000FT ALT for aerodrome and up to 6000FT ALT for FIZ
3	Airspace classification	G
4	ATS unit call sign Language(s)	TIOMAN INFORMATION English

5	Transition altitude	-
6	Remarks	VFR/IFR are allowed and traffic information will be given when required.

WMBT AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
AFIS	TIOMAN INFORMATION	122.8MHZ 6781KHZ	00:00 - 10:00	NIL

WMBT AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NIL	NIL	NIL	NIL	NIL	NIL	NIL

WMBT AD 2.20 LOCAL TRAFFIC REGULATIONS

2.20.1 Local Flying Restriction.

2.20.1.1 Uni-directional runway in used due to hilly terrain:

- Landing Runway 20
- Take-off Runway 02

2.20.1.2 Circuits:

- Aircraft that intend to do/exercise circuit and landing at Pulau Tioman has to depart from RWY 02. Turn left to join left down wind RWY 02 and at mid down wind make a right 1 minute tear drop to joint right down wind RWY 20 before joining right base or final RWY 20 for a full stop landing.

2.20.1.3 Missed Approach

- Aircraft intending to carry out a missed approach must inform Tioman information earlier and make a high missed approach due to high trees along the starboard side of the runway and to join right down wind RWY 20.

2.20.1.4 All aircraft are informed that two way communication with Tioman Information from the East of the island will not be available due to high terrain.

2.20.1.5 Aircraft that has been allowed for 'Clock Wise Island Tour' will track via Kg. Salang, Tg. Gua Layang, Kg. Juara, Kg.Mukut and to hold at Kg. Genting for traffic information from Tioman Information before they can proceed to Kg. Paya and right down wind RWY 20.

2.20.1.6 Aircraft that has been allowed for Anti Clock Wise Island Tour, will track via Kg. Paya, Kg. Genting, Kg. Mukut. Kg. Juara, Tg. Gua Layang and to hold at Kg. Salang for traffic information from Tioman Information before they can proceed to joint right base RWY 20 for landing.

2.20.1.7 All aircraft must hold either at Kg. Salang or Kg. Genting based on their island tour approval before setting course to their destination (landing at Pulau Tioman or other destination aerodrome).

2.20.2. Normal turns on the runway are permitted.

WMBT AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WMBT AD 2.22 FLIGHT PROCEDURES

N/A

WMAP AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	NIL
2	RWY and TWY markings and LGT	NIL
3	Stop bars	NIL
4	Remarks	NIL

WMAP AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMAPOB001	Aerial Mast	020205.7N 1031842.0E	296 FT AMSL	Marked and LGTD	NIL
WMAPOB002	Aerial Mast	020202.7N 1031843.0E	370 FT AMSL	Not LGTD	NIL
WMAPOB003	Aerial Mast	020042.7N 1031617.0E	297 FT AMSL	LGTD	NIL
WMAPOB004	Trans Mast	020039.7N 1031629.0E	350 FT AMSL	Not LGTD	NIL
WMAPOB005	Aerial Mast	015931.7N 1031539.0E	417 FT AMSL	Painted red and white and lighted.	NIL
WMAPOB006	Aerial Mast	015454.7N 1031100.1E	279 FT AMSL	NIL	NIL

WMAP AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMS KLUANG
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO KLIA H24 (0024 0606 1212 1818)
4	Trend forecast Interval of issuance	-
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and consultation but charts available upon request
8	Supplementary equipment available for providing information	Aviation Self-Briefing Terminal - ABT (Internet)
9	ATS units provided with information	Kluang APP/TWR
10	Additional information (limitation of service, etc.)	TEL: +607 - 7727177 Telefax:+607 - 7727177

WMAP AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
05	NIL	1250 x 37	Grass	NIL	NIL
23	NIL	1250 x 37	Grass	NIL	NIL

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
NIL	NIL	NIL	NIL	NIL	Concrete RWY Number protuding approximately 4 in above the ground. On the centre at the beginning of RWY 05/23 painted white. Area measuring 16FT by 11FT. Width of No: 1.5FT. Grass strip restricted for Helicopter operations only due to nil LCN and soggy areas> For emergency purpose, aircraft at pilot discretion.
NIL	NIL	NIL	NIL	NIL	

WMAP AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
05	N/A	N/A	N/A	N/A	NIL
23	N/A	N/A	N/A	N/A	NIL

WMAP AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
05	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NIL
23	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NIL

WMAP AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	NIL
3	TWY edge dan centre line lighting	NIL
4	Secondary power supply/switch-over time	NIL
5	Remarks	NIL

4	Remarks	NIL

WMPR AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMPROB001	High concentration of mangrove trees	NIL	8 M AMSL	NIL	Located along the eastern side of RWY 02
WMPROB002	Cut slopes	NIL	58 M AMSL	NIL	Located along the western side of RWY 02
WMPROB003	The hilly topography of the island	NIL	150 M to 350 M AMSL	NIL	Located along the western & eastern side surrounding the airstrip
WMPROB004	Air Terminal Building	NIL	7.5 M AMSL	NIL	Located at 135 M north-west from the end of RWY 02.
WMPROB005	AFRS Building	NIL	9 M	NIL	High located 35 M east of the end of RWY 02.
WMPROB006	Buildings	054624N 1030037E	18 M AMSL	NIL	Located to the north at approximately 750 M from the end of RWY 02
WMPROB007	Mosque	054624N 1030037E	30 M AMSL	NIL	Located to the north about 1 KM from the end of RWY 02
WMPROB008	Microwave Tower	054601N 1030034E	97 M AMSL	NIL	Located approximately 350 M to the east of the end of RWY 02
WMPROB009	Microwave Tower	054701N 1030044E	91 M AMSL	NIL	Located approximately 1.8 KM to the north from the end of RWY 02
WMPROB0010	Chalets and clusters of trees	NIL	38 M to 42 M AMSL	NIL	Located at about 80 M from approach path and about 500 M from threshold of RWY 02
WMPROB0011	Checkered Board	054542N 1030006E	24.5 M AMSL	NIL	Located on western side of approach path at approximately 100 M from centreline of runway at 225 M from threshold of RWY 02

WMPR AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	NIL
2	Hours of service MET Office outside hours	NIL
3	Office responsible for TAF preparation Periods of validity	NIL
4	Trend forecast Interval of issuance	NIL
5	Briefing/consultation provided	NIL

6	Flight documentation Language(s) used	NIL
7	Charts and other information available for briefing or consultation	NIL
8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	NIL
10	Additional information (limitation of service, etc.)	NIL

WMPR AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
02	019.85°	1 101 x 30	PCN 14 / F / C / Y / T Asphalt (Flexible)	THR Coordinates 054536.65N 1030011.48E RWY End coordinates 054610.37N 1030023.64E GUND -3 M	THR elevation: 8 M (26 FT)
20	199.85°	1 101 x 30	PCN 14 / F / C / Y / T Asphalt (Flexible)	THR Coordinates 054610.37N 1030023.64E RWY End coordinates 054536.65N 1030011.48E GUND -3 M	THR elevation: 6 M (20 FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
-0.149%	NIL	NIL	1 221 x 80	NIL	NIL
+0.149%	NIL	NIL	1 221 x 80	NIL	

WMPR AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
02	NU	NU	NU	1 101	Runway 02 arrival only
20	1161	1161	1161	NU	Runway 20 for departure only

WMPR AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

WMPR AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	Wind direction indicator (WDI): RWY 02: 434.39 M from THR on right, 39.11 M from RWY centre line and not lighted. Anemometer: NIL
3	TWY edge and centre line lighting	NIL
4	Secondary power supply/switch-over time	NIL
5	Remarks	NIL

WMPR AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WMPR AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	NIL
2	Vertical limits	NIL
3	Airspace classification	NIL
4	ATS unit call sign Language(s)	NIL
5	Transition altitude	NIL
6	Remarks	NIL

WMPR AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
NIL	NIL	NIL	NIL	NIL
NIL	NIL	NIL	NIL	NIL

WMPR AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NIL	NIL	NIL	NIL	NIL	NIL	NIL

WMPR AD 2.20 LOCAL AERODROME REGULATIONS

2.20.1 Arriving Aircraft

2.20.1.1 Arriving aircraft to track on Radial 345 from VKR VOR/DME and to obtain descent clearances from WMKN Tower.

2.20.2 Departing Aircraft

2.20.2.1 Departing aircraft to make left turn after departure and track for Pulau Bidong (9 NM east of Pulau Redang) climb not above 2500 FT and contact Terengganu Tower for ATC clearance.

Note:

1. *Restricted Area WMR 106A is situated above Pulau Redang, lower limit is 5500 FT and upper limit is FL 130. (Pilots are advised to keep a listening watch on Gong Kedak Approach frequency).*
2. *Pilot to notify Terengganu Tower if there is any delay in departure from Pulau Redang.*
3. *Traffic Advisory transmission to be broadcasted blind on 126.1 MHz.*

2.20.3 Local Flying Restrictions

2.20.3.1 Uni-directional runway in use due to resettlement area:

- Landing RWY 02
- Take-off RWY 20

2.20.3.2 Aerodrome limited to single aircraft operations only.

WMPR AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WMPR AD 2.22 FLIGHT PROCEDURES

NIL

WMPR AD 2.23 ADDITIONAL INFORMATION

2.23.1. Pilot to exercise caution on the aerodrome non-conforming issues as follows:

1. Pilot to exercise extreme caution due to protruding of object in vicinity of aerodrome

   a) Object within RWY strips:

      i. Perimeter fencing.
      ii. AFRS building.
      iii. Elevated water tank.
      iv. Tractor Garage.

v. Wind direction indicator (WDI).

a) Object protruding transitional surface slope:

1. Hill.
2. Trees.

2.23.2. All aircraft are not allowed to make locked wheel turn on the runway and apron.

2.23.3. Bird concentration in the vicinity of the airport.

2.23.3.1 Concentration of birds within the vicinity of the aerodrome. Pilot to exercise caution during landing and take-off.

2.23.4. Limited ramp area for GSE parking.

WMPR AD 2.24 CHARTS RELATED TO AN AERODROME

Chart name	Page
AERODROME/HELIPORT CHART (WMPR) - ICAO	AD 2-WMPR-2-1
AIRCRAFT PARKING/DOCKING CHART (WMPR) - ICAO	AD 2-WMPR-2-3
AERODROME GROUND MOVEMENT CHART (WMPR) - ICAO	AD 2-WMPR-2-5

5	Transition altitude	11 000FT AMSL
6	Remarks	NIL

WBGJ AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
SMC	LIMBANG GROUND	121.950 MHZ	2230 - 1030	-
TWR	LIMBANG TOWER	124.300 MHZ		PRY
		118.500 MHZ		SRY
Emergency	LIMBANG TOWER	* 121.500 MHZ		* Emergency frequency

WBGJ AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
DVOR/DME	VLG	113.400 MHZ CH 81X	H24	044750.2N 1150008.4E	12.5M / 41FT	100W / 1KW

WBGJ AD 2.20 LOCAL AERODROME REGULATIONS

2.20.1 Circuit Patterns

2.20.1.1 Circuit patterns are Right Hand Circuit for RWY 04 and Left Hand Circuit for RWY 22. Circuit altitude 1500FT.

2.20.2 Procedures for VFR Flights within Limbang CTR

a) A flight plan shall be filed for the flight concerned.
b) ATC clearance shall be obtained from Limbang CTR.
c) Any deviation from ATC clearance requires prior permission.
d) The flight shall be conducted with vertical visual reference to the ground.
e) Two-way radio communication shall be established with Limbang TWR on 124.300 MHZ prior to entering Limbang CTR.

2.20.3 Arriving Aircraft Parking Arrangement

2.20.3.1 DHC-6 not allowed to park at Bay 3 when ATR 72 taxing out (power out) at Bay 2 due to insufficient clearance.

2.20.3.2 No simultaneous aircraft movement (power-in and power-out operations) at the apron.

WBGJ AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WBGJ AD 2.22 FLIGHT PROCEDURES

2.22.1. Communication failure procedures as per AIP Malaysia, ENR 1.6 - 3 para 1.6.2.1.

WBGJ AD 2.23 ADDITIONAL INFORMATION

2.23.1. Birds concentration within the vicinity of aerodrome. Pilot to exercise caution during landing and take-off.

2.23.2. Lock wheel turn are not permitted on the runway.

2.23.3. Due to only one taxiway accessible to the runway from the apron and vise versa, departing aircraft are required to hold at apron to facilitate landing aircraft taxiing in.

2.23.4. Aiming point marking is located 300 M from the threshold of RWY 04 / RWY 22 and is not coincident with the PAPI slope origin.

2.23.5. Existence portion of the perimeter road located within the runway strips on the Runway 04 and Runway 22 approach. No vehicle movement is allowed during aircraft take-off and landing.

2.23.6. Mandatory Sign and Information Sign at Taxiway A are not located at each side of runway holding position marking.

WBGJ AD 2.24 CHARTS RELATED TO AN AERODROME

Chart name	Page
AERODROME/HELIPORT CHART (WBGJ) - ICAO	AD 2-WBGJ-2-1
AIRCRAFT PARKING/DOCKING CHART (WBGJ) - ICAO	AD 2-WBGJ-2-3
AERODROME GROUND MOVEMENT CHART (WBGJ) - ICAO	AD 2-WBGJ-2-5
AERODROME OBSTACLE CHART - ICAO - TYPE A	AD 2-WBGJ-3-1
LIMBANG CONTROL ZONE	AD 2-WBGJ-4-1
STANDARD DEPARTURE CHART - ICAO - RWY 04 KINABALU 1E DEP, MIRI 1E DEP	AD 2-WBGJ-6-1
STANDARD DEPARTURE CHART - ICAO - RWY 22 KINABALU 1F DEP, MIRI 1F DEP	AD 2-WBGJ-6-3
STANDARD ARRIVAL CHART - ICAO - RWY 04 RNAV TRACKING, KINABALU 1A ARR, MIRI 1A ARR	AD 2-WBGJ-7-1
STANDARD ARRIVAL CHART - ICAO - RWY 04 VOR/DME KINABALU 1C ARR, MIRI 1C ARR	AD 2-WBGJ-7-3
STANDARD ARRIVAL CHART - ICAO - RWY 22 RNAV TRACKING, KINABALU 1B ARR, MIRI 1B ARR	AD 2-WBGJ-7-5
STANDARD ARRIVAL CHART - ICAO - RWY 22 VOR/DME KINABALU 1D ARR, MIRI 1D ARR	AD 2-WBGJ-7-7
INSTRUMENT APPROACH CHART - ICAO - RWY 04 RUNAM VOR/DME ARC	AD 2-WBGJ-8-1
INSTRUMENT APPROACH CHART - ICAO - RWY 04 VOR/DME	AD 2-WBGJ-8-3
INSTRUMENT APPROACH CHART - ICAO - RWY 04 VOR	AD 2-WBGJ-8-5
INSTRUMENT APPROACH CHART - ICAO - RWY 22 RUNAM VOR/DME ARC	AD 2-WBGJ-8-7
INSTRUMENT APPROACH CHART - ICAO - RWY 22 VOR/DME	AD 2-WBGJ-8-9
INSTRUMENT APPROACH CHART - ICAO - RWY 22 VOR	AD 2-WBGJ-8-11

WBKD AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	Bay 1 and Bay 2 Apron Surface: Asphalt (Flexible) Strength: PCR 116 / F / B / W / U
2	Taxiway width, surface and strength	**Taxiway A** Width:16 M Surface: Asphalt (Flexible) Strength: PCR 116 / F / B / W / U
		Taxiway B TWY Width: 17 M Surface: Asphalt (Flexible) Strength: PCR 116 / F / B / W / U
		Taxiway C TWY Width: 10 M Surface: Asphalt (Flexible) Strength: 11 Tonnes
3	Altimeter checkpoint location and elevation	Location: At main apron Elevation: 14M (46FT)
4	VOR checkpoints	NIL
5	INS checkpoints	At aircraft parking stands (See AD 2-WBKD-2-3)
6	Remarks	NIL

WBKD AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	TWY guideline to all parking bays. Aircraft lead-in line, turn bar, turning line, alignment bar, stop line and lead-out line for all parking bays.
2	RWY and TWY markings and LGT	RWY : Runway designation, threshold, transverse stripe, aiming point, centre line, side stripe and turn pad markings. Chevron marking at RWY 29 only. TWY : Centre line, runway-holding position, taxi side stripe and mandatory instruction markings LGT : NIL
3	Stop bars	NIL
4	Remarks	Pilot to exercise caution when taxing to holding position

WBKD AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WBKDOB001	Telecom Tower	050150.9N 1182018.2E	89 FT AGL	Painted red / white	NIL
WBKDOB002	Power Transmission Line (T1)	050137.4N 1182034.6E	41.4 M	NIL	NIL
WBKDOB003	Power Transmission Line (T2)	050147.4N 1182039.5E	62.87 M	NIL	NIL

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WBKDOB004	Power Transmission Line (T3)	050148.2N 1182050.0E	94.24 M	NIL	NIL
WBKDOB005	Power Transmission Line (T4)	050146.6N 1182055.8E	104.53 M	NIL	NIL
WBKDOB006	Power Transmission Line (T5)	050143.9N 1182105.7E	93.59 M	NIL	NIL
WBKDOB007	Power Transmission Line (T6)	050151.9N 1182111.0E	90.83 M	NIL	NIL
WBKDOB008	Power Transmission Line (T7)	050159.4N 1182115.7E	58.41 M	NIL	NIL
WBKDOB009	Building	NIL	75 M	NIL	Erected on the right of RWY 11
WBKDOB010	High-Mast LGT	NIL	13.5 M	NIL	Taking place at location at forward OPR base (FOB) Royal Malaysian Air Force Area, APRX 65 M FM RCL on the Right Handside RWY 29.
WBKDOB011	Structure	NIL	NIL	NIL	Structure APRX 77.24 M FM RCL on the RWY11 PARX 815 M FM THR.

WBKD AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMS TAWAU
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO KOTA KINABALU H24(0024 0606 1212 1818)
4	Trend forecast Interval of issuance	-
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and counsultation but charts available upon request
8	Supplementary equipment available for providing information	Aviation Self-Briefing Terminal - ABT (Interet)
9	ATS units provided with information	LAHAD DATU TWR
10	Additional information (limitation of service, etc.)	TEL: +6089 - 950569 Telefax:+6089 - 950561

WBKD AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCR) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
11	115.35°	1380 x 30	PCR 116 / F / B / W / U Asphalt (Flexible)	THR coordinates 050205.88N 1181906.25E RWY end coordinates 050146.30N 1181946.59E GUND +59M	THR elevation: 11M(36FT)
29	295.35°	1380 x 30	PCR 116 / F / B / W / U Asphalt (Flexible)	THR coordinates 050146.30N 1181946.59E RWY end coordinates 050205.88N 1181906.25E GUND +59M	THR elevation: 15M(49FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
-0.260%	NIL	NIL	1440 X 60	NIL	NIL
+0.260%	NIL	NIL	1440 X 60	NIL	NIL

WBKD AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
11	1380	1380	1380	1380	NIL
29	1380	1380	1380	1380	NIL

WBKD AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
11	NIL	NIL	PAPI Left Slope 3° 6.9M (22.6FT)	NIL	NIL	NIL	NIL	NIL	NIL

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
29	NIL	NIL	PAPI Right Slope 3° 6.9 M (22.6 FT)	NIL	NIL	NIL	NIL	NIL	NIL

WBKD AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	Wind direction indicator (WDI): RWY 11: 197.5 M from THR on left, 61.5 M from RWY centre line and not lighted. RWY 29: 211 M from THR on right, 61.5 M from RWY centre line and not lighted.
3	TWY edge and centre line lighting	NIL
4	Secondary power supply/switch-over time	Secondary power supply: Available - PAPI only Switch-over time: 15 seconds
5	Remarks	NIL

WBKD AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WBKD AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	LAHAD DATU CTR A Circle 5NM radius centered on Lahat Datu ARP (050146N 1181945E)
2	Vertical limits	SFC to 1500FT AMSL
3	Airspace classification	C
4	ATS unit call sign Language(s)	LAHAD DATU TOWER English
5	Transition altitude	NIL
6	Remarks	NIL

WBKD AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
GROUND	LAHAD DATU GROUND	121.900 MHZ	HJ	-
TWR	LAHAD DATU TOWER	122.300 MHZ	HJ	-

WBKD AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
L	LHD	334KHZ	HJ	050129.1N 1182010.8E	-	114° MAG / 1464 M to RWY 29. 100 W Antenna Elevation: 29M

WBKD AD 2.20 LOCAL AERODROME REGULATIONS

2.20.1. Aerodrome is not avbl to aircraft with multiple wheel undercarriage systems.

2.20.2. Arriving aircraft Parking Arrangement

2.20.2.1 No simultaneous aircraft movement (power-in and power-out operations) at the main apron.

2.20.2.2 The aerodrome operates with Aerodrome Reference Code (ARC) 1B and non-instrument runway operations.

WBKD AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WBKD AD 2.22 FLIGHT PROCEDURES

NIL

WBKD AD 2.23 ADDITIONAL INFORMATION

2.23.1. Bird Concentration In The Vicinity Of The Airport

2.23.1.1 Concentration of birds within the vicinity of the aerodrome. Pilot to exercise caution during landing and take-off.

2.23.2. Pilot to exercise caution and follow local procedure on

a) Aircraft taxiing and parking (Apron management procedure)

2.23.3. All aircraft are not allowed to make locked wheel turns on the runway.

2.23.4. The runway turn pads at RWY 11 and 29 are not provided with a shoulder.

2.23.5. Circuit Pattern

a) Runway 11 - Left hand circuit
b) Runway 29 - Right hand circuit

2.23.6. Engine run procedure

a) Full thrust engine procedure is only allowed when aircraft on Runway (Take-off position).

2.23.7. Manually Transmit Weather Information

a) At first contact, pilot will request for Lahad Datu weather information and Lahad Datu Air Traffic Controller will transmit Lahad Datu weather information by following AWS information given.

Air Traffic Controller will transmit weather info based on format below;

i. Surface wind
ii. Visibility
iii. Lowest cloud formation
iv. Temperature
v. Dew Point
vi. QNH

Note: *Visibility and cloud based on tower observation*

WBKD AD 2.24 CHARTS RELATED TO AN AERODROME

Chart name	Page
AERODROME/HELIPORT CHART (WBKD) - ICAO	AD 2-WBKD-2-1
AERODROME GROUND MOVEMENT CHART (WBKD) - ICAO	AD 2-WBKD-2-3
INSTRUMENT APPROACH CHART - ICAO - RWY 29 LOCATOR	AD 2-WBKD-8-1

INTENTIONALLY BLANK

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11,000 FT

KOTA KINABALU/KOTA KINABALU (WBKK)
RWY 02

DEPARTURES (LEFT TURN)
(RNAV 1)

TUSVU 1F	010	CA	-	-	022°	-	-	-	+1500	205	VJN DVOR/DME	RNAV 1
	020	DF	BITON	-	-	-	-	L	+4000	-	-	RNAV 1
	030	TF	VJN	-	151°	-	10.2	L	+7000	-	-	RNAV 1
	040	TF	TOMEL	-	110°	-	10	L	+9000	-	-	RNAV 1
	050	TF	TUSVU	-	110°	-	30	-	+11000	-	-	RNAV 1

MAKSU 2F	010	CA	-	-	022°	-	-	-	+1500	205	VJN DVOR/DME	RNAV 1
	020	DF	BITON	-	-	-	-	L	+4000	-	-	RNAV 1
	030	TF	VJN	-	151°	-	10.2	L	+7000	-	-	RNAV 1
	040	TF	TOMEL	-	110°	-	10	L	+9000	-	-	RNAV 1
	050	TF	MAKSU	-	132°	-	30.6	R	+11000	-	-	RNAV 1

NOTE : INITIAL CLIMB AT MNM GR. 5% ON RWY HDG TILL 1500 FT; TURN LEFT CONTINUE AT 5% MNM PDG UNTIL 7000 FT. RESUME NORMAL CLIMB THEREAFTER.

WAYPOINT COORDINATES

WAYPOINT	COORDINATES	
BITON	06° 02' 54.27"N	115° 57' 09.01" E
UKALO	06° 00' 21.38"N	115° 45' 20.97" E
ADLEX	05° 55' 31.65"N	115° 15' 12.46" E
EGENU	05° 45' 00.00"N	115° 23' 06.00" E
KILOB	05° 33' 52.84"N	115° 43' 12.26" E
SUKUS	05° 29' 11.55"N	115° 30' 25.62" E
UKBON	05° 44' 48.25"N	115° 48' 22.60" E
DULIM	05° 27' 00.00"N	115° 32' 12.00" E
OREKO	05° 24' 32.74"N	115° 34' 41.00" E
PIMEP	05° 22' 16.22"N	115° 37' 20.74" E
DOVID	05° 33' 09.49"N	115° 51' 29.97" E
ELADO	05° 14' 08.92"N	115° 56' 27.48" E
VJN	05° 53' 57.27"N	116° 02' 02.32" E
TOMEL	05° 50' 27.58"N	116° 11' 26.87" E
ANLOD	05° 53' 55.82"N	116° 42' 11.00" E
TUSVU	05° 40' 11.13"N	116° 39' 44.83" E
MAKSU	05° 29' 44.92"N	116° 34' 04.62" E

CHANGES : AMEND WAYPOINT UKBON TO READ AS VJN & WAYPOINT DOVID TO READ AS TOMEL.

INTENTIONALLY BLANK

STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO

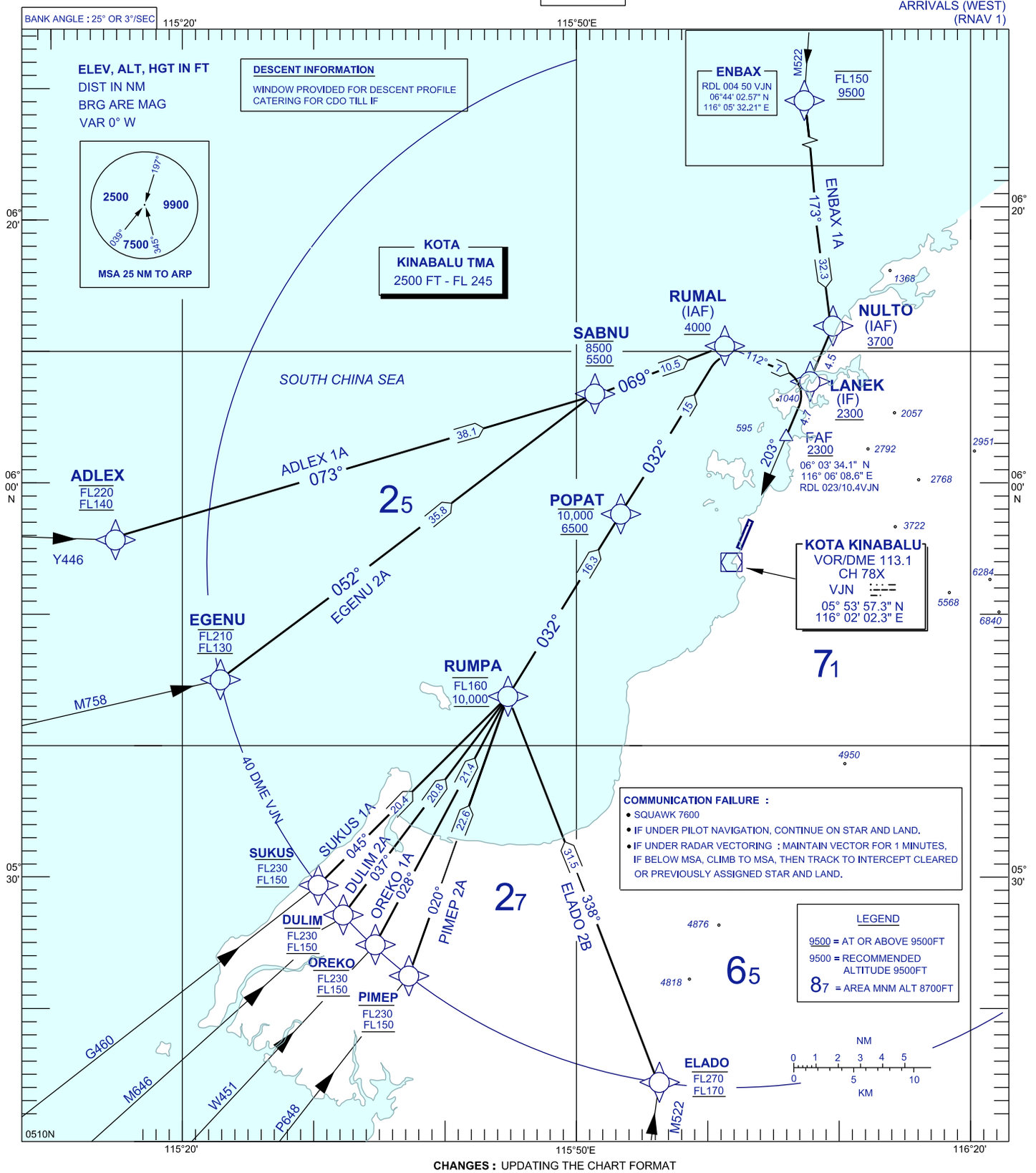
TRANSITION ALTITUDE
11,000 FT

APP	119.1
TWR	118.3
GND	121.6
ATIS	127.4

KOTA KINABALU/KOTA KINABALU (WBKK)

RWY 20

ARRIVALS (WEST)
(RNAV 1)



CHANGES : UPDATING THE CHART FORMAT

STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO

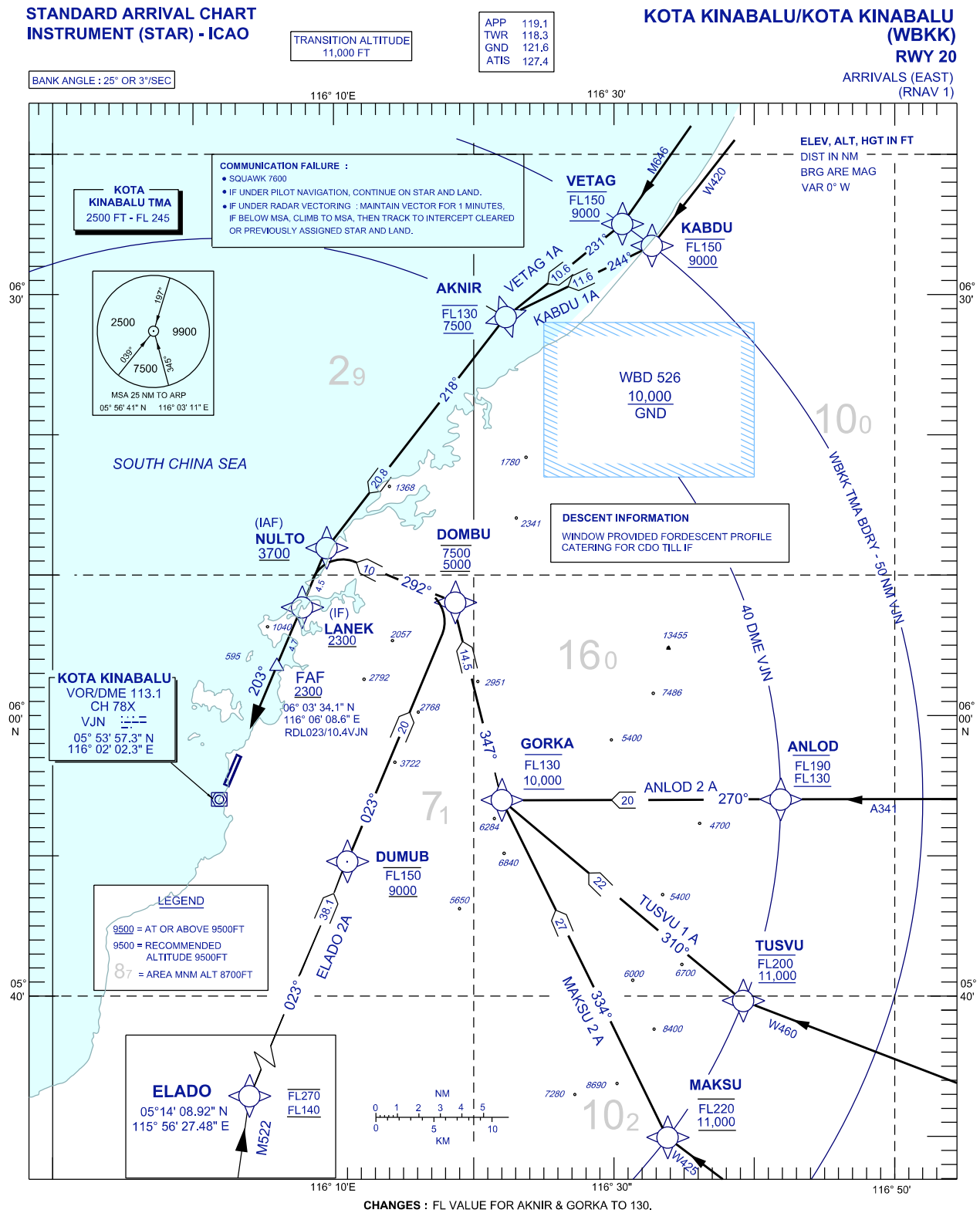
TRANSITION ALTITUDE
11,000 FT

KOTA KINABALU/KOTA KINABALU (WBKK)
RWY 20
ARRIVALS (WEST)
(RNAV 1)

TABULAR DESCRIPTION

ROUTE DESIGNATOR	SERIAL NUMBER	PATH DESCRIPTOR	WP IDENTIFIER	FLY OVER	COURSE/ °M(°T)	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED (KT) IAS MAX	NAVIGATION SPECIFICATION
ADLEX 1A	010	IF	ADLEX	-	-	-	-	-	- FL220 +FL140	-	RNAV 1
	020	TF	SABNU	-	073°	-	38.1	-	- 8500 +5500	-	RNAV 1
	030	TF	RUMAL	-	069°	-	10.5	L	+4000	185	RNAV 1
	040	TF	LANEK	-	112°	-	7	R	+2300	185	RNAV 1
EGENU 2A	010	IF	EGENU	-	-	-	-	-	- FL210 +FL130	-	RNAV 1
	020	TF	SABNU	-	052°	-	35.8	-	- 8500 +5500	-	RNAV 1
	030	TF	RUMAL	-	069°	-	10.5	R	+4000	185	RNAV 1
	040	TF	LANEK	-	112°	-	7	R	+2300	185	RNAV 1
SUKUS 1A	010	IF	SUKUS	-	-	-	-	-	- FL230 +FL150	-	RNAV 1
	020	TF	RUMPA	-	045°	-	20.4	L	- FL160 +10000	-	RNAV 1
	030	TF	POPAT	-	032°	-	16.3	L	- 10000 +6500	185	RNAV 1
	040	TF	RUMAL	-	032°	-	15	-	+4000	185	RNAV 1
	050	TF	LANEK	-	112°	-	7	R	+2300	185	RNAV 1
DULIM 2A	010	IF	DULIM	-	-	-	-	-	- FL230 +FL150	-	RNAV 1
	020	TF	RUMPA	-	037°	-	20.8	L	- FL160 +10000	-	RNAV 1
	030	TF	POPAT	-	032°	-	16.3	L	- 10000 +6500	185	RNAV 1
	040	TF	RUMAL	-	032°	-	15	-	+4000	185	RNAV 1
	050	TF	LANEK	-	112°	-	7	R	+2300	185	RNAV 1
OREKO 1A	010	IF	OREKO	-	-	-	-	-	- FL230 +FL150	-	RNAV 1
	020	TF	RUMPA	-	028°	-	21.4	L	- FL160 +10000	-	RNAV 1
	030	TF	POPAT	-	032°	-	16.3	R	- 10000 +6500	185	RNAV 1
	040	TF	RUMAL	-	032°	-	15	-	+4000	185	RNAV 1
	050	TF	LANEK	-	112°	-	7	R	+2300	185	RNAV 1
PIMEP 2A	010	IF	PIMEP	-	-	-	-	-	- FL230 +FL150	-	RNAV 1
	020	TF	RUMPA	-	020°	-	22.6	L	- FL160 +10000	-	RNAV 1
	030	TF	POPAT	-	032°	-	16.3	R	- 10000 +6500	185	RNAV 1
	040	TF	RUMAL	-	032°	-	15	-	+4000	185	RNAV 1
	050	TF	LANEK	-	112°	-	7	R	+2300	185	RNAV 1
ELADO 2B	010	IF	ELADO	-	-	-	-	-	- FL270 +FL170	-	RNAV 1
	020	TF	RUMPA	-	338°	-	31.5	L	-FL160 +10000	-	RNAV 1
	030	TF	POPAT	-	032°	-	16.3	R	- 10000 +6500	185	RNAV 1
	040	TF	RUMAL	-	032°	-	15	-	+4000	185	RNAV 1
	050	TF	LANEK	-	112°	-	7	R	+2300	185	RNAV 1
ENBAX 1A	010	IF	ENBAX	-	-	-	-	-	- FL150 +9500	-	RNAV 1
	020	TF	NULTO	-	173°	-	32.3	L	+3700	185	RNAV 1
	030	TF	LANEK	-	203°	-	4.5	R	+2300	185	RNAV 1

CHANGES : ALLTITUDE FOR WAYPOINT LANEK,FOR ADLEX 1A,EGENU 2A,SUKUS 1A,DULIM 2A,OREKO 1A,PIMEP 2A,ELADO 2B AND EMBAX 1A,ALTITUDE 2300 FT TO READ AS 2300 FT OR ABOVE.


STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO
TRANSITION ALTITUDE
11,000 FT
APP 119.1
TWR 118.3
GND 121.6
ATIS 127.4
KOTA KINABALU/KOTA KINABALU
(WBKK)
RWY 20
ARRIVALS (EAST)
(RNAV 1)
BANK ANGLE : 25° OR 3°/SEC
116° 10'E
116° 30'
116° 50'
06° 30'
06° 00' N
05° 40'
ELEV, ALT, HGT IN FT
DIST IN NM
BRG ARE MAG
VAR 0° W
COMMUNICATION FAILURE :
• SQUAWK 7600
• IF UNDER PILOT NAVIGATION, CONTINUE ON STAR AND LAND.
• IF UNDER RADAR VECTORING : MAINTAIN VECTOR FOR 1 MINUTES, IF BELOW MSA, CLIMB TO MSA, THEN TRACK TO INTERCEPT CLEARED OR PREVIOUSLY ASSIGNED STAR AND LAND.
KOTA KINABALU TMA
2500 FT - FL 245
2500
9900
7500
197°
089°
345°
MSA 25 NM TO ARP
05° 56' 41" N 116° 03' 11" E
SOUTH CHINA SEA
VETAG
FL150
9000
M646
W420
KABDU
FL150
9000
AKNIR
FL130
7500
VETAG 1A
KABDU 1A
231°
244°
10.6
11.6
218°
20.8
WBD 526
10,000
GND
DESCENT INFORMATION
WINDOW PROVIDED FORDESCENT PROFILE CATERING FOR CDO TILL IF
WBKK TMA BDRY - 50 NM VJN
40 DME VJN
(IAF)
NULTO
3700
DOMBU
7500
5000
292°
10
(IF)
LANEK
2300
14.5
KOTA KINABALU
VOR/DME 113.1
CH 78X
VJN
05° 53' 57.3" N
116° 02' 02.3" E
203°
FAF
2300
06° 03' 34.1" N
116° 06' 08.6" E
RDL023/10.4VJN
GORKA
FL130
10,000
347°
ANLOD
FL190
FL130
ANLOD 2 A
270°
A341
DUMUB
FL150
9000
023°
ELADO 2A
38.1
TUSVU 1A
310°
TUSVU
FL200
11,000
W460
MAKSU 2 A
334°
MAKSU
FL220
11,000
W425
ELADO
05°14' 08.92" N
115° 56' 27.48" E
FL270
FL140
M522
LEGEND
9500 = AT OR ABOVE 9500FT
9500 = RECOMMENDED ALTITUDE 9500FT
87 = AREA MNM ALT 8700FT
NM
KM
CHANGES : FL VALUE FOR AKNIR & GORKA TO 130.

STANDARD ARRIVAL CHART INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
11,000 FT

KOTA KINABALU / KOTA KINABALU (WBKK)

RWY 20
ARRIVALS (EAST)
(RNAV 1)

TABULAR DESCRIPTION

ROUTE DESIGNATOR	SERIAL NUMBER	PATH DESCRIPTOR	WP IDENTIFIER	FLY OVER	COURSE/ °M(°T)	MAGNETIC VARIATION	DISTANCE (NM)	TURN DIRECTION	ALTITUDE (FT)	SPEED (KT) IAS MAX	NAVIGATION SPECIFICATION
ELADO 2A	010	IF	ELADO	-	-	-	-	-	- FL270 + FL140	-	RNAV 1
	020	TF	DUMUB	-	023°	-	38.1	R	- FL150 +9000	-	RNAV 1
	030	TF	DOMBU	-	023°	-	20	-	- 7500 + 5000	185	RNAV 1
	040	TF	NULTO	-	292°	-	10	L	+ 3700	185	RNAV 1
	050	TF	LANEK	-	203°	-	4.5	L	+2300	185	RNAV 1
VETAG 1A	010	IF	VETAG	-	-	-	-	-	- FL150 + 9000	-	RNAV 1
	020	TF	AKNIR	-	231°	-	10.6	R	- FL130 + 7500	-	RNAV 1
	030	TF	NULTO	-	218°	-	20.8	L	+ 3700	185	RNAV 1
	040	TF	LANEK	-	203°	-	4.5	L	+2300	185	RNAV 1
KABDU 1A	010	IF	KABDU	-	-	-	-	-	- FL150 + 9000	-	RNAV 1
	020	TF	AKNIR	-	244°	-	11.6	R	- FL130 + 7500	-	RNAV 1
	030	TF	NULTO	-	218°	-	20.8	L	+3700	185	RNAV 1
	040	TF	LANEK	-	203°	-	4.5	L	+2300	185	RNAV 1
ANLOD 2A	010	IF	ANLOD	-	-	-	-	-	- FL190 + FL130	-	RNAV 1
	020	TF	GORKA	-	270°	-	20	-	- FL130 + 10000	-	RNAV 1
	030	TF	DOMBU	-	347°	-	14.5	R	- 7500 + 5000	-	RNAV 1
	040	TF	NULTO	-	292°	-	10	L	+3700	185	RNAV 1
	050	TF	LANEK	-	203°	-	4.5	L	+2300	185	RNAV 1
TUSVU 1A	010	IF	TUSVU	-	-	-	-	-	- FL200 + 11000	-	RNAV 1
	020	TF	GORKA	-	310°	-	22	R	- FL130 + 10000	-	RNAV 1
	030	TF	DOMBU	-	347°	-	14.5	R	- 7500 + 5000	-	RNAV 1
	040	TF	NULTO	-	292°	-	10	L	+3700	185	RNAV 1
	050	TF	LANEK	-	203°	-	4.5	L	+2300	185	RNAV 1
MAKSU 2A	010	IF	MAKSU	-	-	-	-	-	- FL220 + 11000	-	RNAV 1
	020	TF	GORKA	-	334°	-	27	R	- FL130 + 10000	-	RNAV 1
	030	TF	DOMBU	-	347°	-	14.5	R	- 7500 + 5000	-	RNAV 1
	040	TF	NULTO	-	292°	-	10	L	+ 3700	185	RNAV 1
	050	TF	LANEK	-	203°	-	4.5	L	+2300	185	RNAV 1

CHANGES : ALTITUDE FOR WAYPOINT LANEK,FOR ELADO 2A,VETAG 1A,KABDU 1A,ANDLOD 2A,TUSVU 1A AND MAKSU 2A,ALTITUDE 2300 FT TO READ AS 2300 FT OR ABOVE.

WBKS AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	Bay 1, Bay 1A and Bay 1B Surface: Concrete (Rigid and) Asphalt (Flexible) Strength: PCR 157 / R / D / W / U and PCR 135 / F / C / W / U Bay 2 Surface: Concrete (Rigid) and Asphalt (Flexible) Strength: PCR 704 / R / D / W / U and PCR 574 / F / C / W / U Bay 3 Surface: Concrete (Rigid) and Asphalt (Flexible) Strength: PCR 704 / R / D / W / U and PCR 524 / F / B / W / U Bay 4 and Bay 5 Surface: Concrete (Rigid) and Asphalt (Flexible) Strength: PCR 704 / R / D / W / U and PCR 524 / F / B / W / U Bay 5A Surface: Concrete (Rigid) and Asphalt (Flexible) Strength: PCR 354 / R / D / W / U and PCR 292 / F / B / W / U Bay H1 Surface: Asphalt (Flexible) Strength: 7 Tonnes
2	Taxiway width, surface and strength	Taxiway **A** Width: 29 M Surface: Asphalt (Flexible) Strength: PCR 524 / F / B / W / U Taxiway B and Apron Taxiway Width: 15 M Surface: Asphalt (Flexible) Strength: PCR 574 / F / C / W / U Aircraft Stand Taxilane B1 Width: 15 M Surface: Asphalt (Flexible) Strength: 7 Tonnes
3	Altimeter checkpoint location and elevation	Location: Apron Elevation: 13 M
4	VOR checkpoints	NIL
5	INS checkpoints	Refer to Aircraft Parking Docking Chart (See AD 2-WBKS-2-3)
6	Remarks	1. Parking Bay 1A and Bay 1B is restricted to AT75 or smaller aircraft. 2. H1 and Aircraft Stand Taxilane B1 are available for daylight operation only.

WBKS AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Taxiing guidance signs at RWY Holding Position. Guide lines at apron for all parking bays. VDGS for Bay 2 and 3. Nose wheel guidance line.
2	RWY and TWY markings and LGT	RWY markings : Designation, threshold, side stripe, transverse stripe, centre line, touchdown zone, aiming point and runway turn pad markings. RWY LGT : Threshold, edge and end lights. Stopway light for RWY 08 only. TWY markings : Centre line, taxi side stripe, runway-holding position, intermediate holding position and transverse stripe markings. TWY LGT : Centre line (on curve and exit taxiway) and edge lights.
3	Stop bars	NIL
4	Remarks	Pilot to exercise caution when taxing to holding position.

WBKS AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WBKSOB001	Aerial Mast	055814.6N 1180058.4E	HGT 150 M	Painted red and white and LGTD.	NIL
WBKSOB002	Antenna	055402.41N 1180257.64E	HGT 16.5 M	Marked and LGTD.	DIST 295.2 M FM THR RWY 08 and 120 M FM RCL.
WBKSOB003	Windsock Aerial Mask	055033.7N 1180542.4E	HGT 1140 FT (347 M) MSL.	LGTD and painted red and white.	On MT Mekarah, 5 NM south of Sandakan AD.
WBKSOB004	Antenna	0553.409N 11803.608E	HGT 37 M	NIL	No. 211, Jalan Kem 22 RAMD.
WBKSOB005	Antenna	0553.434N 11804.926E	HGT 17 M.	NIL	No. 155 Jalan Tinusa.
WBKSOB006	Building	0554.386N 11802.821E	HGT 40 M	NIL	105 Kampung. Sungai Kayu.
WBKSOB007	ATC Tower	0553.797N 11803.918E	HGT 26 M	NIL	NIL
WBKSOB008	Antenna07 WBKS	0553.820N 11803.529E	HGT 26 M	NIL	At the Airport Rescue and Fire Fighting Services Building.
WBKSOB009	Telecommunication Tower	055248N 1180359E	HGT 59 M	LGTD	ATM Sri Kinabatangan Camp.
WBKSOB010	Telecommunication Tower	055243N 1180140E	HGT 54.2 M	LGTD	8 Mile, Sandakan.

WBKS AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMS SANDAKAN
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO KOTA KINABALU H24(0024 0606 1212 1818)
4	Trend forecast Interval of issuance	-
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and consultation but charts available upon request
8	Supplementary equipment available for providing information	Aviation Self-Briefing Terminal - ABT (Internet)
9	ATS units provided with information	Sandakan APP / TWR
10	Additional information (limitation of service, etc.)	TEL: +6089 - 660535 Telefax:+6089 - 669479 Wind and RWY Visual Range (WRVR) System equipped for RWY08 and RWY26

WBKS AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCR) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
08	80.26°	2500 x 45	PCR 574 / F / C / W / U - 367 M Asphalt (Flexible) PCR 524 / F / B / W / U - 1983 M Asphalt (Flexible) PCR 685 / R / C / W / U - 150 M Concrete (Rigid)	THR coordinates 055357.15N 1180248.95E RWY end coordinates 055410.24N 1180409.00E THR GUND +66.7 M	THR elevation: 9.6 M 31.6 FT TDZ elevation: 13.0 M 42.7 FT
26	260.26°	2500 x 45	PCR 685 / R / C / W / U - 150 M Concrete (Rigid) PCR 524 / F / B / W / U - 1983 M Asphalt (Flexible) PCR 574 / F / C / W / U - 367 M Asphalt (Flexible)	THR coordinates 055410.24N 1180409.00E RWY end coordinates 055357.15N 1180248.95E THR GUND +54 M	THR elevation: 6 M 20 FT

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
-0.141%	60 x 45	NIL	2680 x 280	NIL	RESA 90 M x 90 M
+0.141%	NIL	NIL	2680 x 280	NIL	RESA 90 M x 90 M

WBKS AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)		TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2		3	4	5	6
	FROM	TORA				
08	THRESHOLD	2500	2500	2500	2500	NIL
26	THRESHOLD	2500	2500	2500	2500	NIL
	TWY A	1575	1575	1575	NIL	NIL
	TWY B	1975	1975	1975	NIL	NIL

WBKS AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ LGT LEN	RWY Centre Line LGT LEN, Spacing, colour, INTST	RWY edge LGT LEN, spacing, colour, INTST	RWY End LGT colour WBAR	SWY LGT LEN colour	Remarks
1	2	3	4	5	6	7	8	9	10
08	CAT1 900M LIH	Green -	PAPI Left & Right / Slope 3° 15.2 M (49.9 FT)	NIL	NIL	2500 M, 60 M, Variable White/ Yellow, LIH	Red -	61 M Red	NIL
26	SALS 420M LIH	Green -	PAPI Left & Right / Slope 3° 14.3 M (46.9 FT)	NIL	NIL	2500 M, 60 M, Variable White/ Yellow, LIH	Red -	NIL	NIL

WBKS AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	ABN: Available on top of Control Tower, FLG Green and White 20 to 30 per minute IBN: NIL ON at night and during bad weather.
2	LDI location and LGT Anemometer location and LGT	LDI: NIL Wind direction indicator (WDI) RWY 08: 301.25M from THR on right, 118M from RWY centre line and lighted. RWY 26: 356M from THR on left,122M from RWY centre line and lighted.
3	TWY edge and centre line lighting	TWY edge lights - TWY A & TWY B TWY centre line lights - TWY A & TWY B (on curve and exit)
4	Secondary power supply/switch-over time	Secondary power supply to all AGL at AD Switch-over time: Maximum 15 seconds
5	Remarks	NIL

WBKS AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL

5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	Helicopter parking is available at Helipad (H1) with D-value of 17M and below.

WBKS AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	SANDAKAN CTR A circle of 25NM radius centred from VSN DVOR/DME (055413.62N 1180429.55E).
2	Vertical limits	SFC to 7 500 FT AMSL
3	Airspace classification	C
4	ATS unit call sign Language(s)	SANDAKAN TOWER English
5	Transition altitude	11 000 FT AMSL
6	Remarks	Transition Level FL130

WBKS AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
SMC	SANDAKAN GROUND	121.900 MHZ	2300 - 1400	-
TWR	SANDAKAN TOWER	122.050 MHZ * 121.500 MHZ		* Emergency frequency
APP	SANDAKAN APPROACH	123.200 MHZ		-
ATIS	SANDAKAN INFORMATION	128.200 MHZ		

WBKS AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
ILS/LOC	ISKN	109.300 MHZ	H24	055411.73N 1180418.67E	-	ILS reference Datum 51 FT. Antenna Elevation: 17.06 M
GP/DME	-	332.000 MHZ CH 30X		055402N 1180258E	-	Antenna Elevation: 23.61M
DVOR/DME	VSN	114.000 MHZ CH 87X		055413.62N 1180429.55E	-	Antenna Elevation: 19.88 M

WBKS AD 2.20 LOCAL AERODROME REGULATIONS

2.20.1. No back tracking on runway for aircraft type B737 and above. Use runway turn pads.

2.20.2. Restricted route for C130 operations is Taxiway A and parking at Bay 5A.

2.20.3. **Arriving Aircraft Parking Arrangement at Main Apron**

2.20.3.1 When Bay 1 is occupied, no aircraft are allowed to be parked at Bay 1A and Bay 1B.

2.20.3.2 When Bay 1A is occupied, no aircraft is allowed to be parked at Bay 1B and vice versa.

2.20.3.3 When Bay 2 is occupied, no aircraft is allowed to be parked at Bay 1A and vice versa.

2.20.3.4 When Bay 5 is occupied, no aircraft are allowed to be parked at Bay 5A and vice versa.

2.20.3.5 No simultaneous aircraft movement is allowed either power-in, push back and power-out at the apron.

2.20.4. Arriving Aircraft Parking Arrangement at H1 and Aircraft Stand Taxilane B1

2.20.4.1 Helicopters that are larger than AW139 are not allowed to operate at the helipad (H1) without proper coordination and arrangement with the ATC and the Operations Unit of Malaysia Airports.

2.20.4.2 Helicopters intended to use the Helipad (H1) shall hold short at runway-holding position Taxiway A or Taxiway B and pilots shall obtain approval from ATC to enter the Helipad (H1).

2.20.4.3 No simultaneous aircraft movements are allowed either power-in or power-out at Bay 1B and Helicopters at Aircraft Stand Taxilane B1 & Helipad (H1).

2.20.4.4 No simultaneous aircraft movements are allowed at Taxiway B and Helicopters at Aircraft Stand Taxilane B1 & Helipad (H1).

WBKS AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WBKS AD 2.22 FLIGHT PROCEDURES

NIL

WBKS AD 2.23 ADDITIONAL INFORMATION

2.23.1. Concentration of birds within the vicinity of the Aerodrome. Pilot to exercise caution during landing and take-off.

2.23.2. All aircraft are not allowed to make locked wheel turn on the runway.

2.23.3. Pilot to exercise caution on the aerodrome non-conforming issues as follows:

2.23.3.1 The spacing of runway edge lights are not uniformly spaced and the distance between lights is within 60 M.

2.23.3.2 Portion of the perimeter road and security fencing located within runway strips at RWY 26.

2.23.3.3 The runway turn pad at RWY 08 is not provided with a shoulder.

WBGI AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WMGIOB001	Hill	NIL	700 FT (213 M)	NIL	1.5 mile to the north.
WMGIOB002	Long house	NIL	NIL	NIL	At portside of APCH RWY 22.
WMGIOB003	Hill	NIL	700 FT	NIL	About half mile on the APCH of RWY 04.
WMGIOB004	Windsock PSN	NIL	90 FT	NIL	Adjacent to the THR marker on East side of RWY 22.

WBGI AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMS MIRI
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO KUCHING H24 (0024 0606 1212 1818)
4	Trend forecast Interval of issuance	NIL
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and consultation but charts available upon request
8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	NIL
10	Additional information (limitation of service, etc.)	NIL

WBGI AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	**TRUE & MAG BRG**	**Dimensions of RWY(M)**	**Strength (PCN) and surface of RWY and SWY**	**THR coordinates RWY end coordinates THR geoid undulation**	**THR elevation and highest elevation of TDZ of precision APP RWY**
1	**2**	**3**	**4**	**5**	**6**
04	36.52°	548 x 19	Asphalt (Flexible)	THR coordinates: 035827.15N 1150357.31E RWY end coordinates: 035841.49N 1150407.89E GUND +48.31M	THR elevation: 190.79M(625.9FT)

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
22	216.52°	548 x 19	Asphalt (Flexible)	THR coordinates: 035841.49N 1150407.89E RWY end coordinates: 035827.15N 1150357.31E GUND +48.31M	THR elevation: 192.81M(632.6FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
+0.368%	NIL	NIL	608 x 60	NIL	NIL
-0.368%	NIL	NIL	608 x 60	NIL	NIL

WBGI AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
04	548	548	548	548	NIL
22	548	548	548	548	NIL

WBGI AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
04	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
22	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

WBGI AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	NIL RWY 22: 57M from THR (30M from RWY centerline. WDI located outside fencing.
3	TWY lighting	NIL
4	Secondary power supply/switch-over time	NIL
5	Remarks	NIL

WBGI AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WBGI AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	NIL
2	Vertical limits	NIL
3	Airspace classification	NIL
4	ATS unit call sign Language(s)	NIL
5	Transition altitude	NIL
6	Remarks	NIL

WBGI AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
NIL	NIL	NIL	NIL	NIL

WBGI AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NIL	NIL	NIL	NIL	NIL	NIL	NIL

WBGI AD 2.20 LOCAL TRAFFIC REGULATIONS

NIL

WBGI AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WBGI AD 2.22 FLIGHT PROCEDURES

NIL

WBGI AD 2.23 ADDITIONAL INFORMATION

2.23.1. The southern APCH is through a narrow valley

2.23.2. Pilot to exercise caution on the aerodrome non-conforming issues:

1. Pilot to exercise extreme caution due to protruding of object in vicinity of aerodrome.
2. AFRS not complying with critical aircraft requirement (Twin Otter) but minimum fire fighting is provided with three wheel motor cycle with 50KG (4 unit) dry chemical powders.

WBGI AD 2.24 CHARTS RELATED TO AN AERODROME

Chart name	Page
AERODROME/HELIPORT CHART (WBGI) - ICAO	AD 2-WBGI-2-1
AERODROME GROUND MOVEMENT CHART (WBGI) - ICAO	AD 2-WBGI-2-3

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WBGA AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WBGAOB001	Aerial Mast	NIL	HGT 66 FT (20 M)	Painted orange and white	PSN behind TWY 47 M FM edge of strip.
WBGAOB002	Telecommunication Tower	031805.33N 1144704.31E	Height 532 FT	Marked	Erected distance 770 M south of THR RWY03.

WBGA AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMS MIRI
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO KUCHING H24 (0024 0606 1212 1818)
4	Trend forecast Interval of issuance	NIL
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and consultation but charts available upon request
8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	NIL
10	Additional information (limitation of service, etc.)	NIL

WBGA AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	**TRUE & MAG BRG**	**Dimensions of RWY(M)**	**Strength (PCN) and surface of RWY and SWY**	**THR coordinates RWY end coordinates THR geoid undulation**	**THR elevation and highest elevation of TDZ of precision APP RWY**
1	**2**	**3**	**4**	**5**	**6**
03	32.14°	679 x 18	Asphalt (Flexible) PCN 12/F/C/Y/U	THR coordinates: 031830.24N 1144702.46E RWY end coordinates 031848.96N 1144714.17E GUND: +48.95M	THR elevation: 92.91M(304.8FT)
21	212.14°	679 x 18	Asphalt (Flexible) PCN 12/F/C/Y/U	THR coordinates: 031848.96N 1144714.17E RWY end coordinates 031830.24N 1144702.46E GUND: +48.94M	THR elevation: 92.89M(304.7FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
-0.004%	NIL	NIL	739 x 60	NIL	NIL
+0.004%	NIL	NIL	739 x 60	NIL	NIL

WBGA AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
03	679	679	679	679	NIL
21	679	679	679	679	NIL

WBGA AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
03	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
21	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

WBGA AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	NIL RWY 21 : 52M from THR.
3	TWY lighting	NIL
4	Secondary power supply/switch-over time	NIL
5	Remarks	NIL

WBGA AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WBGM AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Taxiing guidance signs at RWY Holding positions. Yellow taxiing guidelines at aprons
2	RWY and TWY markings and LGT	RWY markings : Designation, threshold, transverse stripe, centre line aiming point markings. TWY markings : Centre line, taxi side stripe and runway - holding position markings. LGT : NIL
3	Stop bars	NIL
4	Remarks	NIL

WBGM AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WBGMOB001	Telecom Tower	041126.2N 1142621.1E	HGT 127 FT (389 M) AMSL	Marked and LGTD	At Bukit Dabei
WBGMOB002	Telecom Tower	041129.2N 1142621.1E	HGT 1201 FT (366.20 M) AMSL	Marked and LGTD	At Bukit Dabei
WBGMOB003	Telecom Tower	041129.2N 1140256.2E	HGT 1033 FT (315 M) AMSL	Marked and LGTD	At Miri Bukit Lambir
WBGMOB004	Telecom Tower	041331.2N 1140632.2E	HGT 956 FT (291.44 M) AMSL	Marked and LGTD	At Bukit Pantu Buri
WBGMOB005	Telecom Tower	041114.2N 1142010.1E	HGT 170 FT (51.72 M) AMSL	Marked and LGTD	At Marudi Town
WBGMOB006	Crane	041039.0N 1141919.0E	HGT 250 FT AGL	NIL	Erected at the bridge construction site at Baram River Ferry Terminal
WBGMOB007	Incinerator	NIL	HGT 20 M AGL	NIL	Erected Marudi Hospital, APRX 70 M right of centreline RWY 10 and 250 M fm airport terminal building.

WBGM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMS MIRI
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO KUCHING H24(0024 0606 1212 1818)
4	Trend forecast Interval of issuance	NIL
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and consultation but charts available upon request

8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	MARUDI TWR
10	Additional information (limitation of service, etc.)	NIL

WBGM AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
10	103.15°	834 x 24	5670 KG / 0.50 MPa Asphalt (Flexible)	THR Coordinate 041046.57N 1141935.92E RWY End coordinate 041040.39N 1142002.26E GUND +44M	THR elevation: 23M (75FT)
28	283.15°	834 x 24	5670 KG / 0.50 MPa Asphalt (Flexible)	THR Coordinate 041040.39N 1142002.26E RWY End coordinate 041046.57N 1141935.92E GUND +44M	THR elevation: 24M (79FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
+0.151%	NIL	NIL	894 x 60	NIL	NIL
-0.151%	NIL	NIL	894 x 60	NIL	NIL

WBGM AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
10	834	834	834	834	NIL
28	834	834	834	834	NIL

WBGM AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
10	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
28	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

WBGM AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	LDI: NIL Wind direction indicator (WDI: RWY 10: 417M from THR on left, 30M from RWY centreline and not lighted
3	TWY lighting	NIL
4	Secondary power supply/switch-over time	NIL
5	Remarks	NIL

WBGM AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WBGM AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	A Circle of 5NM radius on Marudi
2	Vertical limits	ATZ: GND to 1500FT
3	Airspace classification	C
4	ATS unit call sign Language(s)	English
5	Transition altitude	NIL
6	Remarks	NIL

WBGM AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
ATZ	MARUDI TOWER	122.4 MHZ	HJ	NIL

WBGM AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NIL	NIL	NIL	NIL	NIL	NIL	NIL

WBGM AD 2.20 LOCAL AERODROME REGULATIONS

2.20.1. Arriving Aircraft Parking Arrangement

2.20.1.1 No simultaneous aircraft movement (power-in and power-out operations) at the apron.

WBGM AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WBGM AD 2.22 FLIGHT PROCEDURES

NIL

WBGM AD 2.23 ADDITIONAL INFORMATION

2.23.1. Pilot to exercise caution on the aerodrome non-conforming issues:

a) Pilot to exercise extreme caution due to protruding of objects in the vicinity of the aerodrome.

b) AFRS not complying with critical aircraft requirements (Twin Otter) but minimum fire fighting provided 4 x 4 vehicle equipped with 50KG (3 units) dry chemical powders.

2.23.2. Presence of birds in the vicinity of the airport. Pilots exercise caution during landing and take-off.

2.23.3. Due to only one taxiway accessible to the runway from the apron and vise versa, departing aircraft are required to hold at apron to facilitate landing aircraft taxiing in.

2.23.4. All aircraft are not allowed to make locked wheel turns on the runway.

2	RWY and TWY markings	RWY: Runway designation, Threshold, Aiming point, Centre line,Transverse stripe Marking. LGT not available
3	Stop bars	NIL
4	Remarks	NIL

WBGW AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WBGWOB001	Ducts and drainage pipes	NIL	NIL	NIL	At 61 M intervals abutting.
WBGWOB002	A/F fencing	NIL	HGT 5 FT	NIL	DIST 800 FT FM THR RWY 19. Across APCH area.
WBGWOB003	Telecom Tower	044937.0N 1151807.7E	HGT 695 FT (211.92 M).	LGTD	At Bukit Siang Siang
WBGWOB004	Telecom Tower	045255.0N 1152345.6E	HGT 544 FT (166 M) AMSL.	Marked and LGTD	Erected at Bukit Tiong
WBGWOB005	Telecom Tower	045253.0N 1152342.6E	HGT 501 FT (152.7 M) AMSL.	Marked and LGTD	At Bukit Tiong
WBGWOB006	Telecom Tower	045124.0N 1152448.6E	HGT 153 FT (46.71 M) AMSL.	Marked and LGTD	Erected Shangsan Hotel
WBGWOB007	Telecom Tower	045323.0N 1151230.7E	HGT 166 FT (50.72 M) AMSL.	Marked and LGTD	Erected Pekan Sundar
WBGWOB008	Telecom Tower .	045124.0N 1152448.6E	HGT 153 FT (46.71 M) AMSL.	Marked and LGTD	At Lawas.
WBGWOB009	Microwave Tower	044936.0N 1151805.7E	HGT 730 FT (222.56 M) AMSL.	Marked and LGTD	At Bukit Siang Siang

WBGW AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMS MIRI
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO KUCHING H24 (0024 0606 1212 1818)
4	Trend forecast Interval of issuance	NIL
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and consultation but charts available upon request
8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	Lawas TWR

10	Additional information (limitation of service, etc.)	NIL

WBGW AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
01	8.41°	758 x17	Asphalt (Flexible)	THR Coordinates 045046.67N 1152426.94E RWY end coordinates 045111.08N 1152430.54E GUND 47 M	THR elevation 6 M (18 FT)
19	188.41°	758 x17	Asphalt (Flexible)	THR Coordinates 045109.47N 1152430.30E RWY end coordinates 045046.67N 1152426.94E GUND 47 M	THR elevation 5 M (17 FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
0.027%	NIL	NIL	818 x 60	NIL	NIL
- 0.027%	NIL	NIL	818 x 60	NIL	NIL

WBGW AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
01	758	758	758	758	NIL
19	758	758	758	708	Displaced Threshold 50 M

WBGW AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
01	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
19	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

WBGZ AD 2.1 AERODROME LOCATION INDICATOR AND NAME

WBGZ - BARIO

WBGZ AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	034407N 1152840E Site 38.10M from RWY Centreline and 45.26M from TWY A Centreline
2	Direction and distance from (city)	1.32KM (0.71NM), Bearing 116°07'24" from Bario Health Clinic.
3	Elevation/Reference temperature	1060M(3476.39FT) / 32°C
4	Geoid undulation at AD ELEV PSN	51.62M
5	MAG VAR/Annual change	0° W (2017) annual change 0.08° decreasing per year
6	AD operator, address, telephone, telefax, e-mail address, AFS and website address	Operator: Malaysia Airports Sdn Bhd Padang Terbang Bario, Sarawak, Malaysia Http: www.malaysiaairports.com.my ATC Services: Not Available
7	Types of traffic permitted (IFR/VFR)	VFR
8	Remarks	FIS available through Miri Tower

WBGZ AD 2.3 OPERATIONAL HOURS

1	AD Operator	HJ
2	Customs and immigration	NIL
3	Health and sanitation	Available on request.
4	AIS Briefing Office	NIL
5	ATS Reporting Office (ARO)	NIL
6	MET Briefing Office	NIL
7	ATS	NIL
8	Fuelling	NIL
9	Handling	Handling facilities available prior arrangement.
10	Security	H24
11	De-icing	NIL
12	Remarks	NIL

WBGZ AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	NIL
2	Fuel/oil types	NIL
3	Fuelling facilities/capacity	NIL
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

WBGZ AD 2.5 PASSENGER FACILITIES

1	Hotels	NIL
2	Restaurants	NIL
3	Transportation	NIL
4	Medical facilities	Bario Government Clinic in town.
5	Bank and Post Office	NIL
6	Tourist Office	NIL
7	Remarks	NIL

WBGZ AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	NIL
2	Rescue equipment	Type of vehicle: Fire Tricycle with DCP 50KG (2 Unit) and 9KG (2 Unit)
3	Capability for removal of disabled aircraft	NIL
4	Remarks	Available three wheel motor cycle vehicle equipped with 300KG dry chemical powders.

WBGZ AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	NIL
2	Clearance priorities	NIL
3	Remarks	NIL

WBGZ AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	Bay 1 Surface: Asphalt (Flexible) Strength: NIL
2	Taxiway width, surface and strength	Taxiway A TWY Width:11M Surface: Asphalt (Flexible) Strength: NIL
3	Altimeter checkpoint location and elevation	NIL
4	VOR checkpoints	NIL
5	INS checkpoints	Coordinates for aircraft stands: 034407.44N 1152841.94E
6	Remarks	NIL

WBGZ AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Yellow taxiing guidelines at apron. Nose wheel guidance line for parking bay
2	RWY and TWY markings	RWY markings: Designation, threshold, transverse stripe, centre line and aiming point markings. TWY markings: Centre line, taxi side stripe and runway-holding position markings. LGT : NIL
3	Stop bars	NIL
4	Remarks	NIL

WBGZ AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WBGZOB001	Aerial Mast	NIL	HGT 66 FT (20 M)	Painted orange and white	PSN behind TWY, 47 M FM edge of strip.
WBGZOB002	Obstacle	034551N 1152635E	HGT 1375 M	NIL	At Bario Hill

WBGZ AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMS MIRI
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO KUCHING H24 (0024 0606 1212 1818)
4	Trend forecast Interval of issuance	NIL
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and consultation but charts available upon request
8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	NIL
10	Additional information (limitation of service, etc.)	NIL

WBGZ AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	**TRUE BRG**	**Dimensions of RWY(M)**	**Strength (PCN) and surface of RWY and SWY**	**THR coordinates RWY end coordinates THR geoid undulation**	**THR elevation and highest elevation of TDZ of precision APP RWY**
1	**2**	**3**	**4**	**5**	**6**
11	108.51°	671 x 18	Asphalt (Flexible)	THR 034408.47N 1152831.86E RWY End 034401.54N 1152852.47E GUND 52 M	THR : 1 060 M (3476 FT) TDZ : 1 060M (3476 FT)

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
29	288.51°	671 x 18	Asphalt (Flexible)	THR 034401.54N 1152852.47E RWY End 034408.47N 1152831.86E GUND 52 M	THR : 1 059 M (3475 FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
-0.081%	NIL	NIL	731 x 60	NIL	NIL
+0.081%	NIL	NIL	731 x 60	NIL	NIL

WBGZ AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
11	671	671	671	671	NIL
29	671	671	671	671	NIL

WBGZ AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
11	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
29	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

WBGZ AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	LDI: NIL Wind Direction Indicator (WDI): RWY 11: 70.98 m from THR on left, 51.97 m from RWY centreline and not lighted RWY 29: 71.04M from THR on left, 47.45 m from RWY centreline and not lighted
3	TWY lighting	NIL
4	Secondary power supply/switch-over time	NIL
5	Remarks	NIL

WBGZ AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WBGZ AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	NIL
2	Vertical limits	NIL
3	Airspace classification	NIL
4	ATS unit call sign Language(s)	NIL
5	Transition altitude	NIL
6	Remarks	NIL

WBGZ AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
NIL	NIL	NIL	NIL	NIL

WBGZ AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NIL	NIL	NIL	NIL	NIL	NIL	NIL

WBGZ AD 2.20 LOCAL AERODROME REGULATIONS

2.20.1. Arriving Aircraft Parking Arrangement

2.20.1.1 No simultaneous aircraft movement (power-in and power-out operations) at the apron.

WBGZ AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WBGZ AD 2.22 FLIGHT PROCEDURES

NIL

WBGZ AD 2.23 ADDITIONAL INFORMATION

2.23.1. Pilot to exercise caution on the aerodrome non-conforming issues:

a) Pilot to exercise extreme caution due to protruding of object in vicinity of aerodrome.

b) AFRS not complying with critical aircraft requirement (Twin Otter) but minimum fire fighting provided three wheel motor cycle with 300 KG dry chemical powders.

2.23.2. Presence of birds in the vicinity of the airport. Pilots exercise caution during landing and take-off.

2.23.3. Due to only one taxiway accessible to the runway from the apron and vice versa, departing aircraft are required to hold at apron to facilitate landing aircraft taxiing in.

2.23.4. All aircraft are not allowed to make locked wheel turns on the runway.

WBGZ AD 2.24 CHARTS RELATED TO AN AERODROME

Chart name	Page
AERODROME/HELIPORT CHART (WBGZ) - ICAO	AD 2-WBGZ-2-1
AERODROME GROUND MOVEMENT CHART (WBGZ) - ICAO	AD 2-WBGZ-2-3

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WBKT AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID/ Designation	**OBST type**	**OBST position**	**ELEV/HGT**	**Marking/Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
WBKTOB001	Aerial Mast	NIL	HGT 66 FT (20 M)	Painted orange and white	PSN behind TWY 47 M FM edge of strip.

WBKT AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	AMO KOTA KINABALU
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF preparation Periods of validity	AMO KOTA KINABALU H24 (0024 0606 1212 1818)
4	Trend forecast Interval of issuance	NIL
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	Charts, Tabular Form and Abbreviated Plain Language Text English
7	Charts and other information available for briefing or consultation	No briefing and counsultation but charts available upon request
8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	NIL
10	Additional information (limitation of service, etc.)	NIL

WBKT AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	**TRUE & MAG BRG**	**Dimensions of RWY(M)**	**Strength (PCN) and surface of RWY and SWY**	**THR coordinates RWY end coordinates THR geoid undulation**	**THR elevation and highest elevation of TDZ of precision APP RWY**
1	**2**	**3**	**4**	**5**	**6**
04	40.72°	729 x 18	Asphalt (Flexible)	THR coordinates: 065517.56N 1165005.67E RWY end coordinates: 065535.55N 1165021.16E GUND +49.45M	THR elevation: 6.27M(20.6FT)
22	220.72°	729 x 18	Asphalt (Flexible)	THR coordinates: 065535.55N 1165021.16E RWY end coordinates: 065517.56N 1165005.67E GUND +49.45M	THR elevation: 5.32M(17.4FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
-0.131%	NIL	NIL	789 x 60	NIL	NIL
+0.131%	NIL	NIL	789 x 60	NIL	NIL

WBKT AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
04	729	729	729	729	NIL
22	729	729	729	729	NIL

WBKT AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
04	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
22	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

WBKT AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	NIL
3	TWY lighting	NIL
4	Secondary power supply/switch-over time	NIL
5	Remarks	NIL

WBKT AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WBTM AD 2.1 AERODROME LOCATION INDICATOR AND NAME

WBTM - TANJUNG MANIS

WBTM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	021036N 1111208E Located at Apron Edge, approx 86 M from runway centerline
2	Direction and distance from (city)	59° , 5 KM (2.7 NM) from Tanjung Jerijeh Light House Belawai
3	Elevation/Reference temperature	5 M (16 FT) / 31° C
4	Geoid undulation at AD ELEV PSN	35 M
5	MAG VAR/Annual change	0° E (2021) / 0° 3' 21" W decreasing
6	AD operator, address, telephone, telefax, e-mail address, AFS and website address	Operator: Post: Tanjung Manis Development Sdn Bhd Lapangan Terbang Tanjung Manis Bandar Baru Tanjung Manis, 96150 Tanjung Manis Sarawak TEL: 084-613512 Telefax:084-613510 e-mail: tmairport.tmd@gmail.com
7	Types of traffic permitted (IFR/VFR)	VFR
8	Remarks	NIL

WBTM AD 2.3 OPERATIONAL HOURS

1	AD Operator	0000 - 0900
2	Customs and immigration	Available prior arrangement
3	Health and sanitation	Available on request
4	AIS Briefing Office	NIL
5	ATS Reporting Office (ARO)	NIL
6	MET Briefing Office	NIL
7	ATS	NIL
8	Fuelling	NIL
9	Handling	NIL
10	Security	H24
11	De-icing	NIL
12	Remarks	NIL

WBTM AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	NIL
2	Fuel/oil types	NIL
3	Fuelling facilities/capacity	NIL
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

WBTM AD 2.5 PASSENGER FACILITIES

1	Hotels	Resort Nearby Village (Belawai)
2	Restaurants	Restaurant nearby Village
3	Transportation	NIL
4	Medical facilities	Belawai Health Clinic nearby Airport
5	Bank and Post Office	Bank And Post Office Nearby Town (Tanjung Manis)
6	Tourist Office	NIL
7	Remarks	NIL

WBTM AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 2
2	Rescue equipment	Adequately provided as recommended by ICAO
3	Capability for removal of disabled aircraft	With arrangement with respective airline and ground handler. Largest Aircraft : DHC 6 - Twin Otter
4	Remarks	Mini Rapid Intenvention Vehicle CAT 2 with 670 L Water, 75 L AFF and 90 KG DCP. All personnel are to be well trained in rescue and fire - fighting as well as medical first aid.

WBTM AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	NIL
2	Clearance priorities	NIL
3	Remarks	NIL

WBTM AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	BAY 1 AND BAY 2 Surface: Interlocking Brick Strength: PCN 17 / R / C / Y / T Surface: Asphalt (Flexible) Strength: PCN 17 / F / C / Y / T
2	Taxiway width, surface and strength	TWY A Width: 15 M Surface: Asphalt (Flexible) Strength: PCN 10 F / C / Y / T
3	Altimeter checkpoint location and elevation	NIL
4	VOR checkpoints	NIL
5	INS checkpoints	BAY 1 : 021036.12N 1111209.87E BAY 2 : 021036.88N 1111210.71E
6	Remarks	NIL

WBTM AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	Taxiway Centreline marking, Holding position marking, apron marking guideline and nosewheel guidance line for all parking bays.
2	RWY and TWY markings and LGT	RWY : Runway Designation Touch Down zone, Aiming Point, Centre Line, Side stripe and Tranverse stripe marking. RWY turnpad marking 'X' cross marking at old runway turnpad TWY : Centre line, RWY Holding position and Taxi side stripe marking LGT : Not available
3	Stop bars	NIL
4	Remarks	NIL

WBTM AD 2.10 AERODROME OBSTACLES

In Area 2					
OBST ID / Designation	**OBST Type**	**OBST Position**	**ELEV / HGT**	**Markings / Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
TGCA001	Telecommunication Tower	021151.98N 1111319.13E	HGT 76.2 M (250 FT)	GROUND LEVEL, MARKED AND LGT	

In Area 3					
OBST ID / Designation	**OBST Type**	**OBST Position**	**ELEV / HGT**	**Markings / Type, colour, lighting (LGT)**	**Remarks**
a	**b**	**c**	**d**	**e**	**f**
TGCB001	AFRS Fire Vehicle SHED	021036.52N 11111212.11E	4.50 M (14.9 FT)	NOT LGT	
TGCB002	Wind Sensor MAST	021048.08N 1111220.80E	13.64 M (44.77 FT)	LGT	
TGCB003	RVR	021048.53N 1111221.31E	5.94 M (19.48 FT)	LGT	

WBTM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	NIL
2	Hours of service MET Office outside hours	NIL
3	Office responsible for TAF preparation Periods of validity	NIL
4	Trend forecast Interval of issuance	NIL
5	Briefing/consultation provided	NIL
6	Flight documentation Language(s) used	NIL
7	Charts and other information available for briefing or consultation	NIL
8	Supplementary equipment available for providing information	NIL
9	ATS units provided with information	NIL

10	Additional information (limitation of service, etc.)	NIL

WBTM AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
05	48.59°	1 500 x 30	PCN 17 / F / C / Y / T Asphalt	THR 021023.57N 1111149.27E RWY End 021055.87N 1111225.69E Geoid Undulation: 35 M	THR Elevation: 5.13 M (16.84 FT)
23	228.59°	1 500 x 30	PCN 17 / F / C / Y / T Asphalt	THR 021055.87N 1111225.69E RWY End 021023.57N 1111149.27E Geoid Undulation: 35 M	THR Elevation: 5.26 M (17.27 FT)

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
+ 0.009%	NIL	NIL	1 620 x 80	NIL	NIL
- 0.009%	NIL	NIL	1 620 x 80	NIL	NIL

WBTM AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
05	1 500	1 500	1 500	1 500	NIL
23	1 500	1 500	1 500	1 500	NIL

WBTM AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
05	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
23	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

WBTM AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and operational hours	NIL
2	LDI location and LGT Anemometer location and LGT	WDI RWY 05: 128 M from THR on left side, not lighted WDI RWY 23: 128 M from THR on left side, not lighted
3	TWY lighting	NIL
4	Secondary power supply/switch-over time	NIL
5	Remarks	NIL

WBTM AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

WBTM AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	NIL
2	Vertical limits	NIL
3	Airspace classification	NIL
4	ATS unit call sign Language(s)	NIL
5	Transition altitude	NIL
6	Remarks	NIL

WBTM AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
RADIO COMMUNICATION (AIRFIELD ATTENDANT)	NIL	118.200 MHZ 121.800 MHZ	HJ	Primary Secondary
FIS	NIL	6589 KHZ	HJ	NIL

WBTM AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR, CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NIL	NIL	NIL	NIL	NIL	NIL	NIL

WBTM AD 2.20 LOCAL TRAFFIC REGULATIONS

NIL

WBTM AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

WBTM AD 2.22 FLIGHT PROCEDURES

2.22.1. Departing aircraft to contact Sibu (Eastbound) (122.600 MHZ / 123.200 MHZ)

2.22.2. Departing aircraft to contact Kuching (Westbound) (134.750 MHZ)

WBTM AD 2.23 ADDITIONAL INFORMATION

2.23.1. Due to presence of bird around the aerodrome, pilot to exercise caution during take off and landing.

WBTM AD 2.24 CHARTS RELATED TO AN AERODROME

Chart name	Page
AERODROME/HELIPORT CHART - ICAO	AD 2-WBTM-2-1

AERODROME/HELIPORT CHART - ICAO

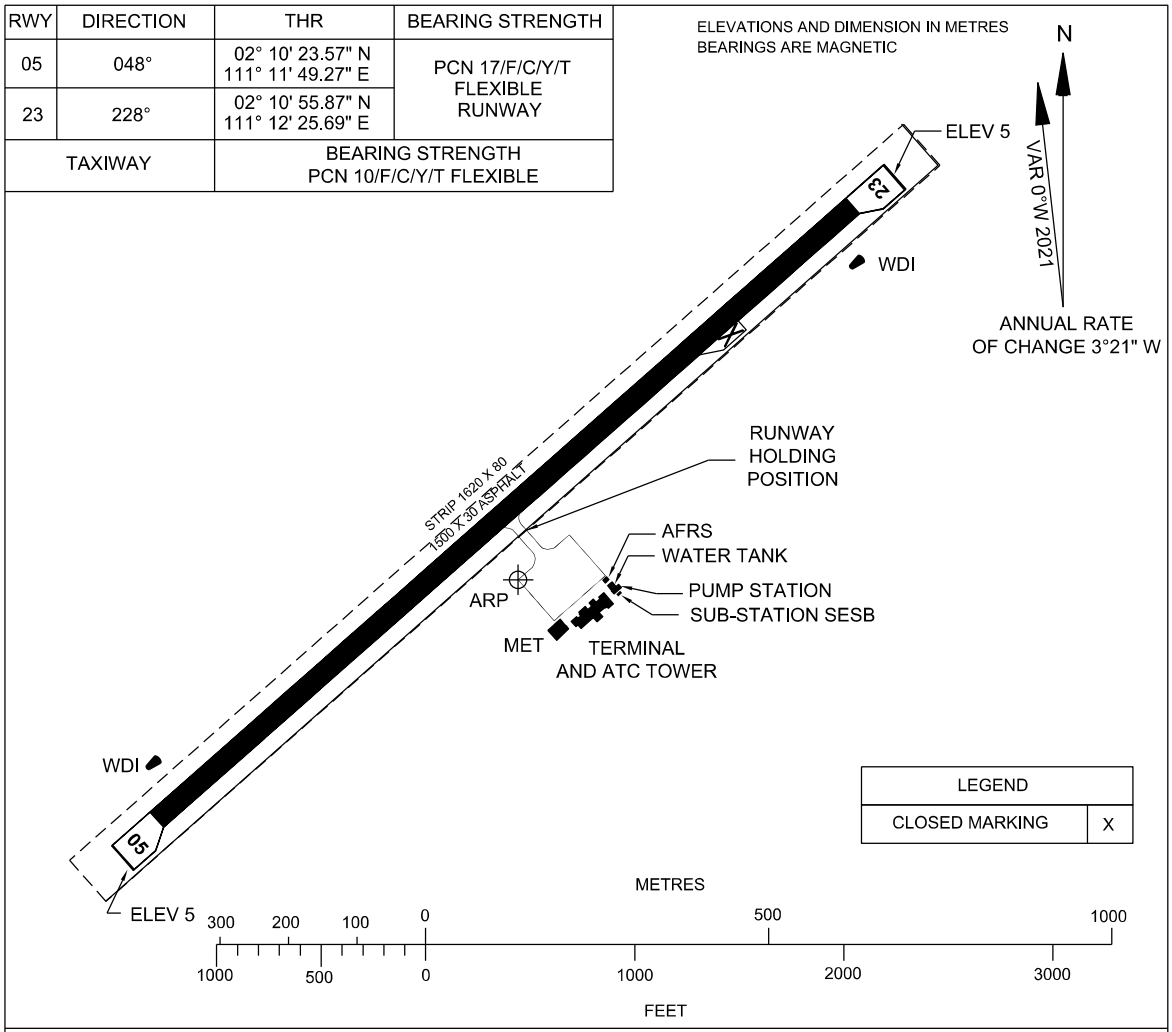
02° 10' 37" N
111° 12' 08" E

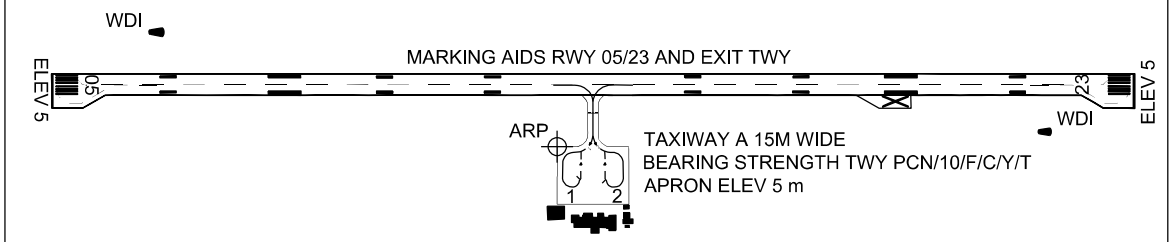
ELEV 5 M

TWR	118.2
APRON	121.8

TANJUNG MANIS AIRPORT

RWY	DIRECTION	THR	BEARING STRENGTH
05	048°	02° 10' 23.57" N 111° 11' 49.27" E	PCN 17/F/C/Y/T FLEXIBLE RUNWAY
23	228°	02° 10' 55.87" N 111° 12' 25.69" E	
TAXIWAY		BEARING STRENGTH PCN 10/F/C/Y/T FLEXIBLE	





INS	COORDINATES FOR AIRCRAFT STANDS	BEARING STRENGTH	AIRCRAFT TYPE
1	02° 10' 36.12" N 111° 12' 09.87" E	PCN 17/F/C/Y/T FLEXIBLE PCN 17/R/C/Y/T INTERLOCKING BRICK	DHC-6 (TWIN OTTER)
2	02° 10' 36.88" N 111° 12' 10.73" E		

CHANGES : TAXIWAY A BEARING STRENGHT
ANNUAL RATE OF CHANGE

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