

**STANDARD DEPARTURE CHART  
INSTRUMENT (SID) - ICAO**

**MALACCA/MALACCA (WMKM)  
RNAV (GNSS) RWY21**

TRANSITION ALTITUDE  
11 000 FT

RUSBU 1R    DOSIK 1R    IRMB 1R  
OGAKO 1R    SAPAT 1R

**TABULAR DESCRIPTION**

**RUSBU ONE ROMEO DEPARTURE (RUSBU 1R)**

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK (°M)	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
CA	RWY21	-	210°	-	-	+2500	-	-	-
DF	LAVIG	-	-	-	L	+5000	-	-	RNAV1
TF	RUSBU	-	089°	15.3	-	+7000	-	-	RNAV1

MINIMUM CLIMB GRADIENT (PDG) 4.5% UNTIL PASSING 5000FT DUE TO OBSTACLE AND RESTRICTED AREA UPPER LIMIT

**OGAKO ONE ROMEO DEPARTURE (OGAKO 1R)**

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK (°M)	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
CA	RWY21	-	210°	-	-	+2500	-	-	-
DF	LAVIG	-	-	-	L	+5000	-	-	RNAV1
TF	OGAKO	-	103°	11.0	-	+6000	-	-	RNAV1

MINIMUM CLIMB GRADIENT (PDG) 4.5% UNTIL PASSING 5000FT DUE TO OBSTACLE AND RESTRICTED AREA UPPER LIMIT

**DOSIK ONE ROMEO DEPARTURE (DOSIK 1R)**

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK (°M)	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
CA	RWY21	-	210°	-	-	+2500	-	-	-
DF	DOSIK	-	-	-	-	+7000	-	-	RNAV1

MINIMUM CLIMB GRADIENT (PDG) 4.5% UNTILL PASSING 2500 FT

**SAPAT ONE ROMEO DEPARTURE (SAPAT 1R)**

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK (°M)	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
CF	PUDOB	Y	210°	7.3	-	+1500	-	-	-
DF	KM501	-	-	-	R	+2500	-	-	RNAV1
TF	KM503	-	008°	12.9	R	+5000	-	-	RNAV1
TF	SAPAT	-	323°	9.0	L	+7000	-	-	RNAV1

MINIMUM CLIMB GRADIENT (PDG) 3.5% UNTIL PASSING 7000FT DUE TO AIRWAYS LOWER LIMIT

**CHANGES:** CHANGE PUDOB FLYOVER