

**INSTRUMENT  
APPROACH  
CHART - ICAO**AERODROME ELEV 10 FT  
HEIGHT RELATED TO  
THR RWY 22 - ELEV 10 FT**PENANG/PENANG  
INTERNATIONAL AIRPORT (WMKP)**

RNP Z RWY 22 (AR)

**AVGAT TRANSITION**

SEQ	PATH TERM	WAYPOINT IDENTIFIER	RF ARC CENTER	FLY OVER	WPT DESC	TRACK (M)/ DISTANCE (NM) OR COURSE/TIME	ARC DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KIAS)	VPA	RNP (NM)
010	IF	AVGAT	-	N	IAF	-	-	-8000 +7100	-	-	-
020	TF	KP516	-	N	-	269°/12.4	-	+4600	-	-	0.3
030	TF	KP515	-	N	-	269°/5.5	-	+3100	-	-	0.3
040	TF	KP514	-	N	-	269°/3.4	-	+2100	-	-	0.3
050	TF	KP511	-	N	IF	270°/2.0	-	+2100	-	-	0.3
060	RF	KP510	RKP18	N	-	6.9 RF/2.7	L	+1300	-	-2.8	0.3
070	RF	IKENU	RKP19	N	FAF	3.3 RF/1.5	L	@900	-	-2.8	0.3

**OLVIS TRANSITION**

SEQ	PATH TERM	WAYPOINT IDENTIFIER	RF ARC CENTER	FLY OVER	WPT DESC	TRACK (M)/ DISTANCE (NM) OR COURSE/TIME	ARC DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KIAS)	VPA	RNP (NM)
010	IF	OLVIS	-	N	IAF	-	-	+3100	-	-	-
020	TF	KP513	-	N	-	337°/3.4	-	+3000	-	-	0.3
030	RF	KP512	RKP28	N	-	4.1 RF/1.5	L	+2700	-	-	0.3
040	RF	KP511	RKP17	N	IF	3.3 RF/2.6	L	+2100	-	-	0.3
050	RF	KP510	RKP18	N	-	6.9 RF/2.7	L	+1300	-	-2.8	0.3
060	RF	IKENU	RKP19	N	FAF	3.3 RF/1.5	L	@900	-	-2.8	0.3

**FINAL AND MISSED APPROACH**

SEQ	PATH TERM	WAYPOINT IDENTIFIER	RF ARC CENTER	FLY OVER	WPT DESC	TRACK (M)/ DISTANCE (NM) OR COURSE/TIME	ARC DIRECTION	ALTITUDE (FT)	SPEED LIMIT (KIAS)	VPA	RNP (NM)
010	IF	IKENU	-	N	FAF	-	-	@900	-	-	-
020	TF	RWY22	-	Y	-	222°/2.8	-	@60	-	-	0.3
030	TF	KP520	-	N	-	222°/2.1	-	-	-	-2.8	0.3
040	TF	TOKUM	-	N	-	222°/2.5	-	-	-	-	0.5
050	RF	KP521	RKP13	N	-	4.3 RF/13.4	L	-	-	-	1.0
060	TF	OLVIS	-	N	-	044°/10.3	-	+3100	-	-	1.0

NEW CHART