

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

**PENANG/PENANG
INTERNATIONAL AIRPORT (WMKP)**

RNAV (GNSS) RWY 22

TRANSITION ALTITUDE
11000 FT

OMBOK 1B GOGOM 1B UGAMO 1B
LUNTU 1B BETNU 1B BOGUK 1B
KABOT 1B UDIKO 1B MADUM 1B

UDIKO ONE BRAVO DEPARTURE (UDIKO 1B) TO CONTINUE ON AIRWAY Y508

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK (°M)	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
CA	RWY 22	-	222°	-	-	+1200	-	VPG	RNAV1
DF	UDIKO	-	-	-	L	+7000	-	-	RNAV1

NOTE : MINIMUM CLIMB GRADIENT (PDG) 5.0% UNTIL PASSING 7000 FT DUE TO AIRWAYS LOWER LIMIT

KABOT ONE BRAVO DEPARTURE (KABOT 1B) TO CONTINUE ON AIRWAY W530

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK (°M)	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
CA	RWY 22	-	222°	-	-	+1200	-	VPG	RNAV1
DF	KAPMA	-	-	-	R	+6000	-	-	RNAV1
TF	KABOT	-	113°	23.7	-	+7000	-	-	RNAV1

BOGUK ONE BRAVO DEPARTURE (BOGUK 1B) TO CONTINUE ON AIRWAY Y507

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK (°M)	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
CA	RWY 22	-	222°	-	-	+1200	-	VPG	RNAV1
DF	KAPMA	-	-	-	R	+6000	-	-	RNAV1
TF	BOGUK	-	101°	28.8	-	+7000	-	-	RNAV1

BETNU ONE BRAVO DEPARTURE (BETNU 1B) TO CONTINUE ON AIRWAY W546

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK (°M)	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
CA	RWY 22	-	222°	-	-	+1200	-	VPG	RNAV1
DF	KAPMA	-	-	-	L	+6000	-	-	RNAV1
TF	ESNUL	-	047°	25.8	L	+7000	-	-	RNAV1
TF	BETNU	-	080°	24.4	R	+11000	-	-	RNAV1

NOTE : MINIMUM CLIMB GRADIENT (PDG) 5.0% UNTIL PASSING 7000 FT.

CHANGES: CHANGE DISTANCE FROM ESNUL TO BETNU.