

**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

**TABULAR DESCRIPTION**

**OMBOK ONE BRAVO DEPARTURE (OMBOK 1B) TO CONTINUE ON AIRWAY W525**

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°	-	-	+2200	-	VPG	RNAV1
DF	ADLUN	-	-	-	R	+4500	-	-	RNAV1
TF	OMBOK	-	354°	17.1	L	+7000	-	-	RNAV1

**GOGOM ONE BRAVO DEPARTURE (GOGOM 1B) TO CONTINUE ON AIRWAY Y351**

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°	-	-	+2200	-	VPG	RNAV1
DF	ADLUN	-	-	-	R	+4500	-	-	RNAV1
TF	GOGOM	-	027°	18.0	R	+7000	-	-	RNAV1

**UGAMO ONE BRAVO DEPARTURE (UGAMO 1B) TO CONTINUE ON AIRWAY Y350**

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°	-	-	+2200	-	VPG	RNAV1
DF	ADLUN	-	-	-	R	+4500	-	-	RNAV1
TF	UGAMO	-	038°	18.0	R	+7000	-	-	RNAV1

**LUNTU ONE BRAVO DEPARTURE (LUNTU 1B) TO CONTINUE ON AIRWAY A457**

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°	-	-	+2200	-	VPG	RNAV1
DF	ADLUN	-	-	-	R	+4500	-	-	RNAV1
TF	LUNTU	-	046°	20.9	R	+7000	-	-	RNAV1

**MADUM ONE BRAVO DEPARTURE (MADUM 1B) TO CONTINUE ON AIRWAY G468**

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°	-	-	+2200	-	VPG	RNAV1
DF	MADUM	-	-	-	-	+7000	-	-	RNAV1

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