

**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