

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

**PENANG/PENANG
INTERNATIONAL AIRPORT (WMKP)
RNAV (GNSS) RWY 04**

TRANSITION ALTITUDE
11000 FT

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

BOGUK ONE ALPHA DEPARTURE (BOGUK 1A) 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 04		042°			+1200	-	VPG	RNAV1
DF	LIDPI		-	-	R	-5000	-	-	RNAV1
TF	MAGTU		132°	6.0		-6000	-	-	RNAV1
TF	BOGUK		133°	24.6	R	+7000	-	-	RNAV1

NOTE : MINIMUM CLIMB GRADIENT (PDG) 5.0% UNTIL PASSING 3500 FT.

KABOT ONE ALPHA DEPARTURE (KABOT 1A) 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 04	-	042°	-	-	+1200	-	VPG	RNAV1
DF	LIDPI	-	-	-	R	-5000	-	-	RNAV1
TF	MAGTU	-	132°	6.0	-	-6000	-	-	RNAV1
TF	KABOT	-	151°	23.5	R	+7000	-	-	RNAV1

NOTE : MINIMUM CLIMB GRADIENT (PDG) 5.0% UNTIL PASSING 3500 FT.

UDIKO ONE ALPHA DEPARTURE (UDIKO 1A) 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 04	-	042°	-	-	+1200	-	VPG	RNAV1
DF	LIDPI	-	-	-	R	-5000	-	-	RNAV1
TF	MAGTU	-	132°	6.0	-	-6000	-	-	RNAV1
TF	KAPMA	-	222°	15.3	R	+8000	-	-	RNAV1
TF	UDIKO	-	222°	10.0	-	+11000	-	-	RNAV1

NOTE : MINIMUM CLIMB GRADIENT (PDG) 5.0% UNTIL PASSING 3500 FT.

MADUM ONE ALPHA DEPARTURE (MADUM 1A) 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 04	-	042°	-	-	+1200	-	VPG	RNAV1
DF	LIDPI	-	-	-	R	-5000	-	-	RNAV1
TF	MAGTU	-	132°	6.0	-	-6000	-	-	RNAV1
TF	KAPMA	-	222°	15.3	R	+8000	-	-	RNAV1
TF	DABSI	-	222°	10.0	-	+11000	-	-	RNAV1
TF	MADUM	-	279°	15.7	R	+11000	-	-	RNAV1

NOTE : MINIMUM CLIMB GRADIENT (PDG) 5.0% UNTIL PASSING 3500 FT.

CHANGES: REPLACE WAYPOINT BUBRA WITH LIDPI.