

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

**PENANG/PENANG
INTERNATIONAL AIRPORT (WMKP)
RWY 22**

TRANSITION ALTITUDE
11000 FT

OMBOK 1D BETNU 1D KABOT 1D MADUM 1D
LUNTU 1D BOGUK 1D UDIKO 1D

TABULAR DESCRIPTION

INITIAL CLIMB PROCEDURE	DESIGNATOR	SID DESCRIPTION
AFTER TAKE-OFF TRACK 222°, AT 2200FT OR ABOVE TURN RIGHT THEN FOLLOW THE ASSIGNED SID	OMBOK 1 DELTA	TRACK 005° TO INTERCEPT RDL 335 VPG VOR OUTBOUND TO OMBOK, THEN CONTINUE ON AIRWAY W525.
	LUNTU 1 DELTA	TRACK 039° TO INTERCEPT RDL 009 VPG VOR OUTBOUND TO LUNTU, THEN CONTINUE ON AIRWAY A457.
AFTER TAKE-OFF TRACK 222°, AT 1200FT OR ABOVE TURN LEFT THEN FOLLOW THE ASSIGNED SID MINIMUM CLIMB GRADIENT (PDG) 5.0% DUE TO OBSTACLE UNTIL PASSING 7000 FT.	BETNU 1 DELTA	TRACK 050° TO INTERCEPT RDL 080° VPG VOR OUTBOUND TO BETNU, THEN CONTINUE ON AIRWAY W546.
	UDIKO 1 DELTA	TRACK 160° TO INTERCEPT RDL 190° VPG VOR OUTBOUND TO UDIKO, THEN CONTINUE ON AIRWAY Y508.
AFTER TAKE-OFF TRACK 222°, AT 1200FT OR ABOVE TURN LEFT THEN FOLLOW THE ASSIGNED SID.	BOGUK 1 DELTA	TRACK 090° TO INTERCEPT RDL 120° VPG VOR OUNBOUND TO BOGUK, THEN CONTINUE ON AIRWAY Y507.
	KABOT 1 DELTA	TRACK 100° TO INTERCEPT RDL 130° VPG VOR OUTBOUND TO KABOT, THEN CONTINUE ON AIRWAY W530.
AFTER TAKE-OFF TRACK 222°, THEN FOLLOW THE ASSIGNED SID MINIMUM CLIMB GRADIENT (PDG) 5.0% UNTIL PASSING 7000FT.	MADUM 1 DELTA	INTERCEPT RDL 222° VPG TO MADUM, THEN CONTINUE ON AIRWAY G468.

WAYPOINT LIST

FIX/POINT/NAVAID	COORDINATES
VPG 116.2 MHZ / CH109X	05°16'45.80" N 100°15'38.80" E
BETNU RDL 080 / 48.4 NM VPG	05°25'38.33" N 101°03'18.60" E
BOGUK RDL 120 / 38.2 NM VPG	04°57'45.35" N 100°48'51.82" E
KABOT RDL 130 / 35.0 NM VPG	04°54'04.60" N 100°42'26.85" E
LUNTU RDL 009 / 25.0 NM VPG	05°41'35.88" N 100°19'19.92" E
MADUM RDL 222 / 25.4 NM VAS	04°58'09.12" N 099°58'14.16" E
OMBOK RDL 335 / 30.0 NM VPG	05°43'56.58" N 100°02'37.98" E
UDIKO RDL 190 / 23.4 NM VPG	04°53'31.90" N 100°11'47.10" E

CHANGES: CHANGE COORDINATE FOR BETNU & MADUM.