

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.