

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

**ALOR SETAR/  
SULTAN ABDUL HALIM (WMKA)**

TRANSITION ALTITUDE  
11000 FT

**RNAV (GNSS) RWY22**

TAMOS 1B RIGTO 1B DUBAX 1B  
SAGEL 1B GUTEB 1B OMBUL 1B  
AKMIS 1B

**OMBUL 1B DEPARTURE**

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°	-	-	+1500	-	-	RNAV 1
DF	ISGOD	-	-	-	L	+4000	-	-	RNAV 1
TF	OMBUL	-	188°	9.8	R	+7000	-	-	RNAV 1

MINIMUM CLIMB GRADIENT (PDG) 4.5% UNTIL PASSING 7000 FT DUE TO OBSTACLE AND AIRWAYS LOWER LIMIT  
AIRWAYS LOWER LIMIT

**GUTEB 1B DEPARTURE**

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/TRACK °M	DISTANCE NM	TURN DIRECTION	ALTITUDE CONSTRAINT	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
CF	PEBDU	-	222°	-	-	+1500	-	-	RNAV 1
TF	GUTEB	-	149°	22.5	L	+7000	-	-	RNAV 1

MINIMUM CLIMB GRADIENT (PDG) 4.5% UNTIL PASSING 7000 FT DUE TO OBSTACLE AND AIRWAYS LOWER LIMIT

**AERONAUTICAL DATA TABULATION**

FIX/POINT/NAVAID	COORDINATES
VAS VOR/DME	06°11'08.40" N 100°23'49.20" E
AKMIS	05°46'32.03" N 100°18'46.10" E
DUBAX	06°25'55.90" N 100°07'36.60" E
GUTEB	05°47'03.43" N 100°30'57.45" E
ISGOD	05°56'03.41" N 100°21'32.58" E
OMBUL	05°46'18.08" N 100°20'04.29" E
PEBDU	06°06'23.55" N 100°19'20.06" E
RIGTO	06°42'28.22" N 100°15'04.23" E
SAGEL	06°17'24.00" N 100°00'00.00" E
TAMOS	06°31'46.00" N 100°23'41.00" E