

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

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

TRANSITION ALTITUDE  
11000 FT

**RWY 22**  
TAMOS 1D RIGTO 1D DUBAX 1D  
SAGEL 1D GUTEB 1D OMBUL 1D  
AKMIS 1D

**TABULAR DESCRIPTION**

INITIAL CLIMB PROCEDURE	DESIGNATOR	SID DESCRIPTION
AFTER TAKE-OFF TRACK 222° AT 1500 TURN LEFT NOTE : MAXIMUM 250 KIAS	<b>GUTEB 1 DELTA</b>	TRACK 133° TO INTERCEPT RDL 163 VAS VOR OUTBOUND TO GUTEB THEN Y502 NOTE : MINIMUM CLIMB GRADIENT (PDG) 4.5% UNTIL PASSING 7000 FT DUE TO OBSTACLE AND AIRWAYS LOWER LIMIT
	<b>OMBUL 1 DELTA</b>	TRACK 158° TO INTERCEPT RDL 188 VAS VOR OUTBOUND TO OMBUL THEN A457 NOTE : MINIMUM CLIMB GRADIENT (PDG) 4.0% UNTIL PASSING 7000 FT DUE TO OBSTACLE AND AIRWAYS LOWER LIMIT
	<b>AKMIS 1 DELTA</b>	TRACK 161° TO INTERCEPT RDL 191 VAS VOR OUTBOUND TO AKMIS THEN Y508 NOTE : MINIMUM CLIMB GRADIENT (PDG) 4.0% UNTIL PASSING 7000 FT DUE TO OBSTACLE AND AIRWAYS LOWER LIMIT
AFTER TAKE-OFF TRACK 222° AT 1500 TURN RIGHT	<b>DUBAX 1 DELTA</b>	TRACK 002° TO INTERCEPT RDL 312 VAS VOR OUTBOUND TO DUBAX THEN R325 NOTE : MINIMUM CLIMB GRADIENT (PDG) 4.0% UNTIL PASSING 9000 FT DUE TO OBSTACLE AND AIRWAYS LOWER LIMIT
AFTER TAKE-OFF TRACK 222° AT 1500 TURN RIGHT NOTE : MINIMUM CLIMB GRADIENT (PDG) 4.0% UNTIL PASSING 1500 FT	<b>SAGEL 1 DELTA</b>	TRACK 315° TO INTERCEPT RDL 285 VAS VOR OUTBOUND TO SAGEL THEN W541
	<b>RIGTO 1 DELTA</b>	TRACK 014° TO INTERCEPT RDL 344 VAS VOR OUTBOUND TO RIGTO THEN M769
	<b>TAMOS 1 DELTA</b>	TRACK 030° TO INTERCEPT RDL 360 VAS VOR OUTBOUND TO TAMOS THEN A457

**WAYPOINT LIST**

FIX/POINT/NAVAID	COORDINATES
VAS VOR/DME 113.6 MHZ / CH83X	06°11'08.40" N 100°23'49.20" E
AKMIS RDL 191 / 25.0 NM VAS	05°46'32.03" N 100°18'46.10" E
DUBAX RDL 312 / 21.9 NM VAS	06°25'55.90" N 100°07'36.60" E
GUTEB RDL 163 / 25.0 NM VAS	05°47'03.43" N 100°30'57.45" E
OMBUL RDL 188 / 25.0 NM VAS	05°46'18.08" N 100°20'04.29" E
RIGTO RDL 344 / 32.4 NM VAS	06°42'28.22" N 100°15'04.23" E
SAGEL RDL 285 / 24.5 NM VAS	06°17'24.00" N 100°00'00.00" E
TAMOS RDL 360 / 20.5 NM VAS	06°31'46.00" N 100°23'41.00" E