

**STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO**

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

TRANSITION ALTITUDE
11000 FT

OMBOK 1F BETNU 1F MADUM 1F
LUNTU 1F GORVU 1F

TABULAR DESCRIPTION

OMBOK ONE FOXTROT ARRIVAL (OMBOK 1F) (FROM AIRWAY W525 SOUTHBOUND)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/ TRACK °M	TURN DIRECTION	DISTANCE (NM)	ALTITUDE	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
IF	OMBOK	-	-	-	-	+8000	-	-	RNAV1
TF	LUKMA	-	123°	-	21.0	+4100	-	-	RNAV1
TF	IGBEN	-	132°	R	7.0	+2500	-	-	RNAV1

LUNTU ONE FOXTROT ARRIVAL (LUNTU 1F) (FROM AIRWAY A457)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/ TRACK °M	TURN DIRECTION	DISTANCE (NM)	ALTITUDE	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
IF	LUNTU	-	-	-	-	+7000	-	-	RNAV1
TF	LUKMA	-	169°	-	8.7	+4100	-	-	RNAV1
TF	IGBEN	-	132°	L	7.0	+2500	-	-	RNAV1

BETNU ONE FOXTROT ARRIVAL (BETNU 1F) (FROM AIRWAY W546)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/ TRACK °M	TURN DIRECTION	DISTANCE (NM)	ALTITUDE 1	ALTITUDE 2	SPEED LIMIT (KT)	REC NAVAIDS	NAVIGATION SPECIFICATION
IF	BETNU	-	-	-	-	+11000	-	-	-	RNAV1
TF	AVGAT	-	260°	-	17.2	+7100	-8000	-	-	RNAV1
TF	NUSTO	-	283°	R	14.0	+3500	-	-	-	RNAV1
TF	IGBEN	-	292°	R	7.0	+2500	-	-	-	RNAV1

MADUM ONE FOXTROT ARRIVAL (MADUM 1F) (FROM AIRWAY G468)

PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY OVER	COURSE/ TRACK °M	TURN DIRECTION	DISTANCE (NM)	ALTITUDE	SPEED LIMIT (KT)	RECOMMENDED NAVAIDS	NAVIGATION SPECIFICATION
IF	MADUM	-	-	-	-	+11000	-	-	RNAV1
TF	KAMBU	-	073°	-	13.9	+9000	-	-	RNAV1
TF	LIPNU	-	042°	L	12.5	+7000	-	-	RNAV1
TF	NUSTO	-	042°	-	18.8	+3500	-	-	RNAV1
TF	IGBEN	-	292°	L	7.0	+2500	-	-	RNAV1