

**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 15 FT
HEIGHTS RELATED TO DISP
THR RWY 03 - ELEV 16 FT

**LANGKAWI / LANGKAWI
INTERNATIONAL AIRPORT (WMKL)
RWY 03**

RNAV (RNP) Z

DAKOV TRANSITION

PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK / DISTANCE OR COURSE / TIME	ARC DIRECTION	ALTITUDE (FT)	MAX IAS (KT)	VPA	RNP
IF	DAKOV	-	N	IAF	-	-	+3000	-	-	-
TF	VIKEM	-	N	IF	33.0° M / 4.7NM	-	+2100	-	-	0.3
TF	LEBUK	-	N	FAF	34.8° M / 9.1NM	-	@1100	-	-2.80	0.3

KAPKO TRANSITION

PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK / DISTANCE OR COURSE / TIME	ARC DIRECTION	ALTITUDE (FT)	MAX IAS (KT)	VPA	RNP
IF	KAPKO	-	N	-	-	-	+4200	-	-	-
TF	SUNOG	-	N	IAF	313.6° M / 18.9NM	-	+2100	-	-	0.3
TF	KL430	-	N	IF	328.5° M / 2.0NM	-	+1800	-	-	0.3
RF	LEBUK	RKL01	N	FAF	3.8° RF / 4.4NM	R	@1100	-	-2.80	0.3

FINAL AND MISSED APPROACH

PATH TERM	ID	RF ARC CENTER	FLY OVER	WPT DESC	TRACK / DISTANCE OR COURSE / TIME	ARC DIRECTION	ALTITUDE (FT)	MAX IAS (KT)	VPA	RNP
IF	LEBUK	-	N	FAF	-	-	@1100	-	-	-
TF	RWY03	-	Y	MAPT	34.8° M / 3.5NM	-	069	-	-2.80	0.3
TF	KL412	-	N	-	34.8° M / 1.0NM	-	-	-	-	0.3
RF	KL418	RKL05	N	-	2.7NM RF / 6.3NM	R	+3000	185	-	0.3
TF	SATNI	-	N	-	168.9° M / 11.6NM	-	+3000	-	-	0.3

WAYPOINT COORDINATES

ID	COORDINATES
DAKOV	06°04'50.88"N 099°33'42.12"E
VIKEM	06°08'49.06"N 099°36'13.68"E
LEBUK	06°16'19.78"N 099°41'21.32"E
KAPKO	05°57'26.86"N 099°56'09.51"E
SUNOG	06°10'26.58"N 099°42'19.89"E
KL430	06°12'09.48"N 099°41'15.94"E
RKL01	06°14'10.49"N 099°44'30.33"E
RWY03	06°19'12.41"N 099°43'19.26"E
KL412	06°20'01.08"N 099°43'52.52"E
KL418	06°19'01.75"N 099°48'46.23"E
SATNI	06°07'40.54"N 099°51'15.02"E
RKLO5	06°18'29.20"N 099°46'06.82"E