INSTRUMENT APPROACH CHART

AERODROME ELEV 22ft
HEIGHT RELATED TO
THR RWY 02R - ELEV 16ft

MSA 25 NM from TEKONG DVOR

D-ATIS	AP ID WSSS 128.025
APP	124.05 124.6
TWR	131.4

SINGAPORE/ SINGAPORE CHANGI

RNP RWY 02R

104° 00' 104° 10'

Speed Control: 180KT BY 8NM FROM TOUCHDOWN AND THEREAFTER 150KT TILL 4NM FROM TOUCHDOWN

TEKONG DVOR/DME 116.5
VTK
01° 24' 55"N
104° 01' 20" E
60m

BEARINGS ARE MAGNETIC
ALTITUDES, ELEVATIONS
AND HEIGHTS ARE IN FEET

VAR 0° 23'E (2020)

IGODO
AT OR ABOVE
2 000ft
01°24' 03.18"N
104°05' 14.4"E

Pengerang Integrated Complex (PIC). Aircraft may overfly area at 2000ft and above.

PIC
2000ft
SFC

WSD34
500ft AMSL
GND

POSSIBLE VESSEL

Seletar
Paya Lebar

KUALA LUMPUR FIR
SINGAPORE FIR

01° 20'

WSR16
200ft ALT
GND

WSR38
10 000ft ALT
GND

3 NM 023°
2 NM 023°
10 NM

(MAPT) RW02R
01°19' 20.59"N
103°59' 59.44"E

(FAF) MOPSI
01°16' 34.76"N
103°58' 49.43"E
1 030

(IF) LUVUL
01°14' 44.21"N
103°58' 02.76"E
1700

NOTE:
MARITIME VESSELS OF VARIABLE HEIGHTS IN WATER NORTH AND SOUTH OF RWY

MNM ALT
7 000
079°
259°
HOSBA
01°19' 48"N
104°24' 18"E
MISSED APCH

SCALE 1 : 300,000
1 0 1 2 3 4 5 6 7 8 9 km
1 0 1 2 3 4 5 NM

EXPECT RADAR VECTORS TO LUVUL

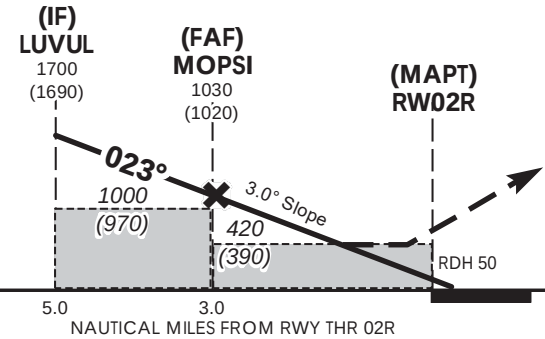
RADAR REQUIRED

1. This procedure requires a missed approach climb gradient of 5% (304 ft/NM) until passing 2,000ft. MAX IAS 185kts during turning missed approach.
2. For aircraft which can only achieve a 2.5% (152 ft/NM) climb gradient, the CAT I OCA (OCH) is 820ft (800ft) and aircraft shall climb straight to 1200ft before commencing right turn climbing to 7000ft to HOSBA.

Transition Level : FL 130
Transition Alt : 11 000

MINIMUM TEMPERATURE FOR BARO-VNAV APPROACHES: 5°C

ELEV 16
(THR RWY 02R)



MISSED APPROACH
Climb direct to IGODO at 2 000ft or above. Thereafter, turn right climbing to 7 000ft or above to HOSBA.
Hold at HOSBA or AS DIRECTED BY ATC.
No turn before MAPt.

CIRCLING NOT AUTHORIZED

		OCA (OCH)			
Category of Aircraft		A	B	C	D
LNAV/VNAV	5%	**330 (310)**			
LNAV	5%	**420 (390)**			

Distance			LUVUL		MOPSI	
Altitude (Height)			**1700 (1690)**		**1030 (1020)**	
Speed	knots	70	120	150	185	
FAF - MAPT 3.0nm	min : s *	**2 : 34**	**1 : 30**	**1 : 12**	**0 : 58**	
Rate of descent/GS	ft/min	**370**	**635**	**795**	**980**	

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CHANGES : Removal of Runway 2 closure annotation and crosses "X". Updated obstacle 279ft located between Runway 1 and Runway 2 to 240ft.

SINGAPORE CHANGI RNP-APCH RWY 02R – Approach from LUVUL

Path Terminator	Waypoint	Fly-Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA/ TCH(FT)	Navigation Specification
IF	LUVUL	-	023 (023.4)	-0.4	-	-	1700+	180	-	RNP APCH
TF	MOPSI	-	023 (023.4)	-0.4	2.0	-	1030+	150	-	RNP APCH
TF	RW02R	Y	023 (023.4)	-0.4	3.0	R	-	-	-3.0° / 50	RNP APCH
DF	IGODO	-	-	-0.4	-	R	2000+	185	-	RNP APCH
TF	HOSBA	-	103 (103.4)	-0.4	-	-	7000+	-	-	RNP APCH

Waypoint Coordinates

Name	Latitude	Longitude
LUVUL (IF)	01° 14’ 44.21” N	103° 58’ 02.76” E
MOPSI (FAF)	01° 16’ 34.76” N	103° 58’ 49.43” E
RW02R	01° 19’ 20.59” N	103° 59’ 59.44” E
IGODO	01° 24’ 03.18” N	104° 05’ 14.40” E
HOSBA	01° 19’ 48.00” N	104° 24’ 18.00” E

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