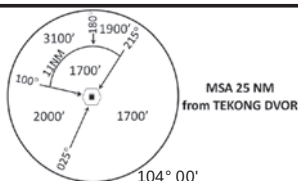


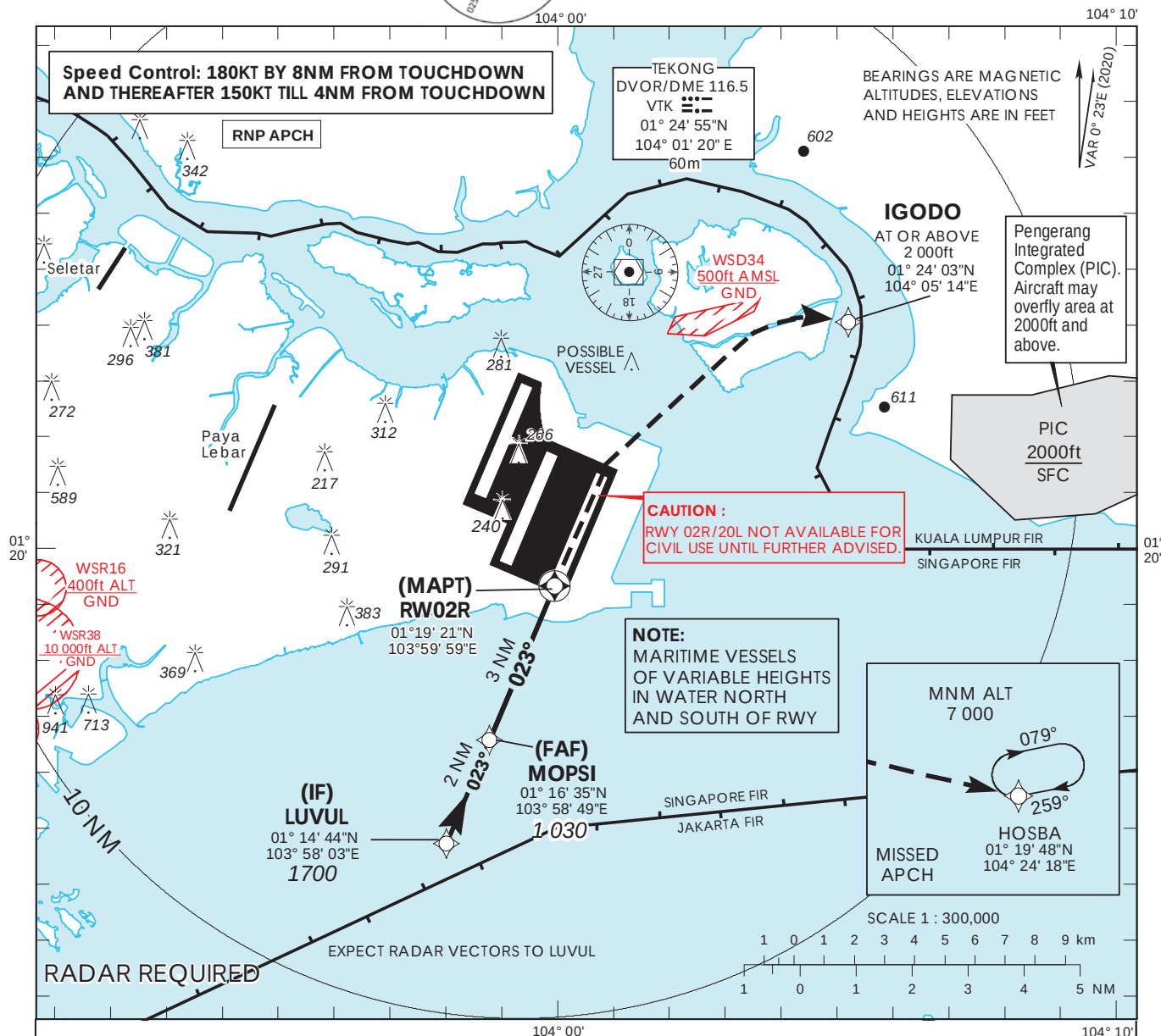
INSTRUMENT APPROACH CHART

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



D-ATIS	AP ID WSSS
	128.025
APP	124.05
	119.3
TWR	131.4

SINGAPORE/
SINGAPORE CHANGI
RNP RWY 02R



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 OCA (OCH) is 820ft (800ft) and aircraft shall climb straight to 1200ft before commencing right turn climbing to 7000ft or above to HOSBA.

Transition Level : FL 130
Transition Alt : 11 000

MINIMUM TEMPERATURE
FOR BARO-VNAV
APPROACHES: 5°C

ELEV 16

(THR RWY 02R)

(IF)
LUVUL
1700
(1690)

(FAF)
MOPSI
1030
(1030)

(MAPT)
RW02R

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

NAUTICAL MILES FROM RWY THR 02R

		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	

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" N	103° 58' 03" E
MOPSI (FAF)	01° 16' 35" N	103° 58' 49" E
RW02R	01° 19' 21" N	103° 59' 59" E
IGODO	01° 24' 03" N	104° 05' 14" E
HOSBA	01° 19' 48" N	104° 24' 18" E