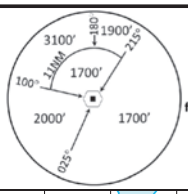
INSTRUMENT APPROACH CHART

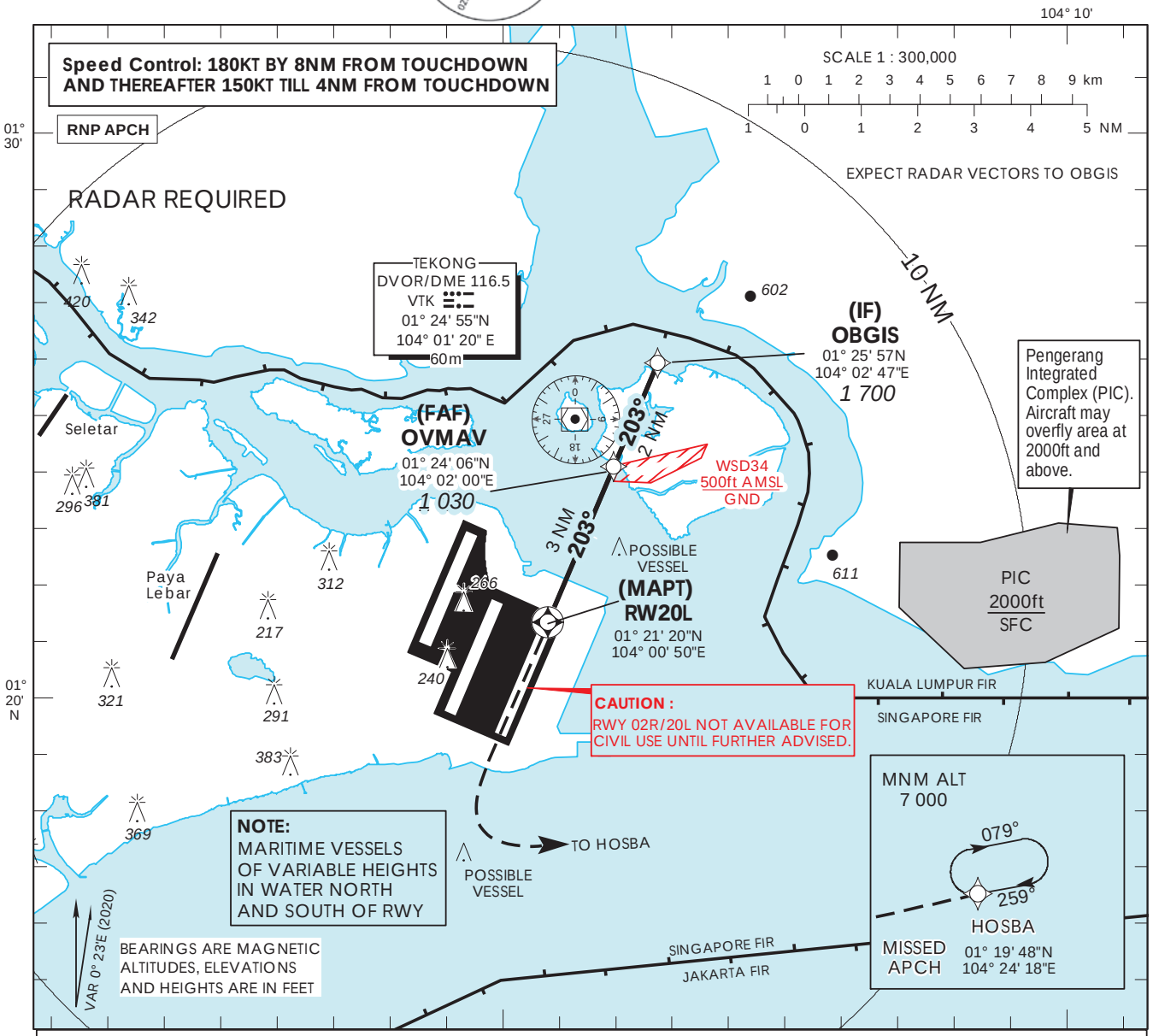
AERODROME ELEV 22ft
HEIGHT RELATED TO
THR RWY 20L - ELEV 16ft



D-ATIS	AP ID WSSS
	128.6
APP	124.05
	119.3
TWR	131.4

SINGAPORE/ SINGAPORE CHANGI

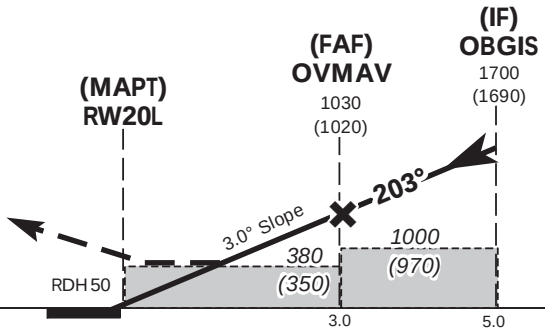
RNP RWY 20L



This procedure requires a missed approach climb gradient of 5% (304 ft/NM) until passing 3,000ft.
For aircraft which can only achieve a 2.5% (152 ft/NM) climb gradient, the OCA (OCH) is 1080ft (1050ft).

Transition Level	: FL 130
Transition Alt	: 11 000

MISSED APPROACH
Climb straight to 1 500ft, turn left climbing to 7 000ft or above to HOSBA.
Hold at HOSBA or AS DIRECTED BY ATC.
No turn before MAPt.



MINIMUM TEMPERATURE FOR BARO-VNAV APPROACHES: 5°C

CIRCLING NOT AUTHORIZED

ELEV 16
(THR RWY 20L)

		OCA (OCH)			
Category of Aircraft		A	B	C	D
LNAV/VNAV	5%	**280 (260)**			
LNAV	5%	**380 (350)**			

Distance			OBGIS		OVMAV
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 : 1. Updated caution text
2. Removal of Runway 3 closure crosses "X"

SINGAPORE CHANGI RNP-APCH RWY 20L – Approach from OBGIS

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	OBGIS	-	203 (203.4)	-0.4	-	-	1700+	180	-	RNP APCH
TF	OVMAV	-	203 (203.4)	-0.4	2.0	-	1030+	150	-	RNP APCH
TF	RW20L	Y	203 (203.4)	-0.4	3.0	-	-	-	-3.0° / 50	RNP APCH
CA	-	-	203 (203.4)	-0.4	-	L	1500+	-	-	RNP APCH
DF	HOSBA	-	-	-	-	-	7000+	-	-	RNP APCH

Waypoint Coordinates

Name	Latitude	Longitude
OBGIS (IF)	01° 25’ 57” N	104° 02’ 47” E
OVMAV (FAF)	01° 24’ 06” N	104° 02’ 00” E
RW20L	01° 21’ 20” N	104° 00’ 50” E
HOSBA	01° 19’ 48” N	104° 24’ 18” E

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