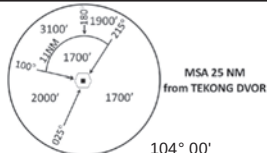


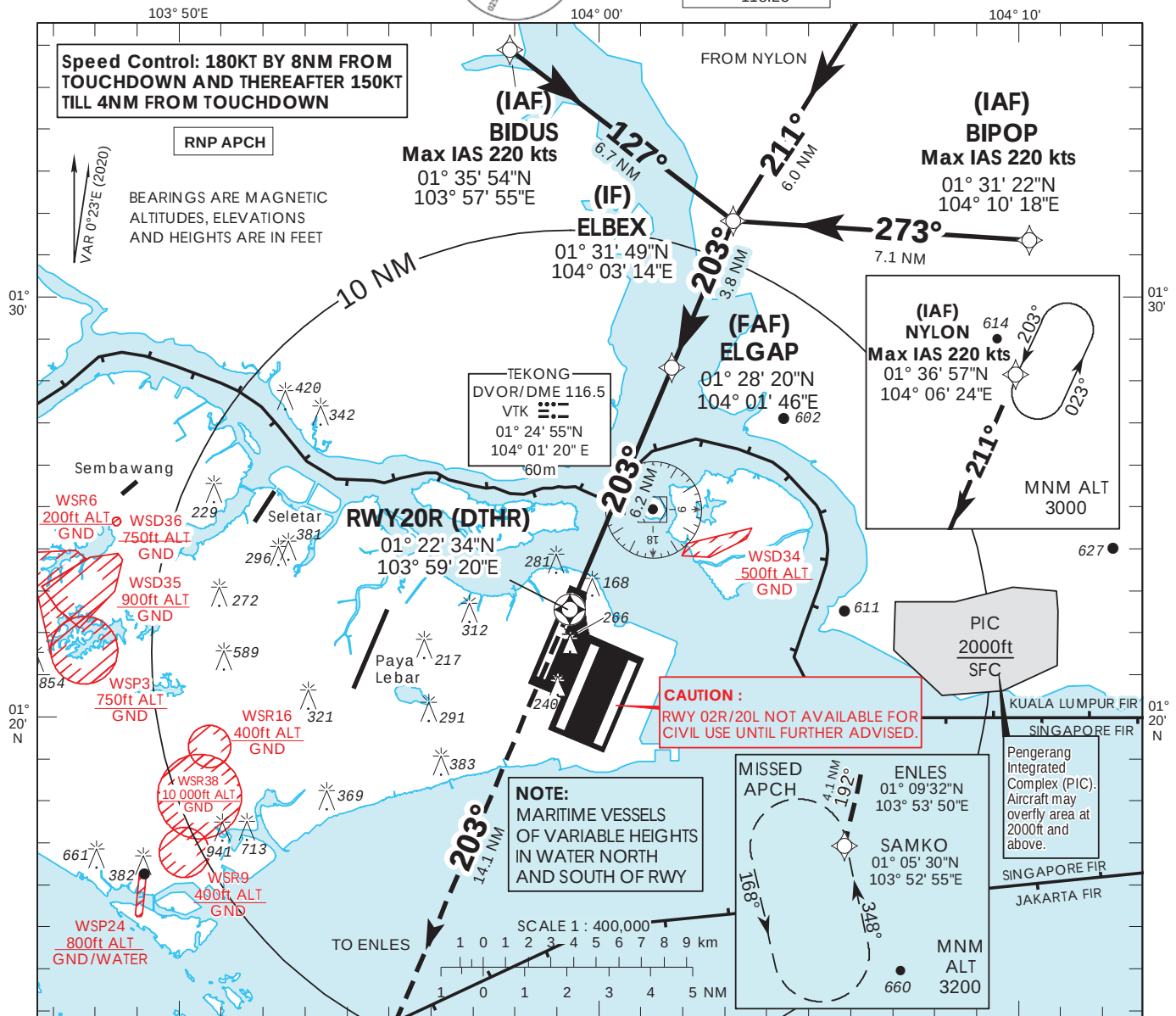
**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 22ft
HEIGHT RELATED TO
DTHR RWY 20R - ELEV 13ft



D-ATIS AP ID WSSS
128.025
APP 124.05
119.3
TWR 118.6
118.25

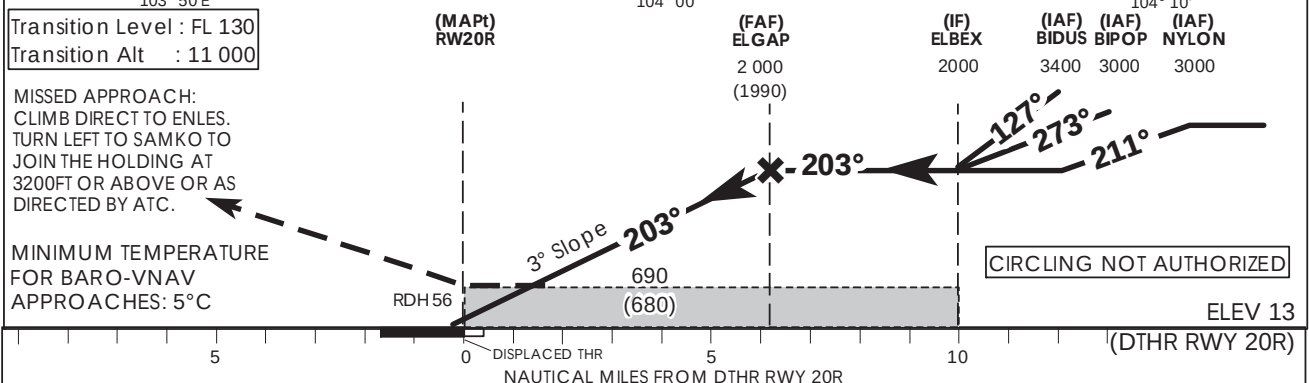
**SINGAPORE/
SINGAPORE CHANGI
RNP RWY 20R**



Transition Level : FL 130
Transition Alt : 11 000

MISSED APPROACH:
CLIMB DIRECT TO ENLES.
TURN LEFT TO SAMKO TO
JOIN THE HOLDING AT
3200FT OR ABOVE OR AS
DIRECTED BY ATC.

**MINIMUM TEMPERATURE
FOR BARO-VNAV
APPROACHES: 5°C**



OCA (OCH)												
Category of Aircraft			A		B		C		D			
LNAV/VNAV		2.5%		690 (680)								
LNAV		2.5%		690 (680)								
Fix	BIDUS		NYLON	BIPOP	ELBEX	ELGAP	RW20R	ENLES	SAMKO			
Altitude (Height)	3400 (3387)		3000 (2987)	3000 (2987)	2000 (1987)	2000 (1987)	690 (680)	2180 (2167)	3200 (3187)			
Speed	knots	80		100		120		140		160	180	
FAF - MAPt 6.2 nm	min : s		4 : 39		3 : 44		3 : 06		2 : 40		2 : 20	2 : 04
Rate of descent/GS	ft/min		425		531		637		743		849	955

SINGAPORE CHANGI RNP-APCH RWY 20R – Approach from BIDUS

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	BIDUS	-	-	-0.4	-	-	A034+	220	-	RNP APCH
TF	ELBEX	-	127 (127.4)	-0.4	6.7	R	A020+	-	-	RNP APCH
TF	ELGAP	-	203 (203.4)	-0.4	3.8	-	A020+	-	-	RNP APCH
TF	RW20R	Y	203 (203.4)	-0.4	6.2	-	-	-	-3.0° / 50	RNP APCH
DF	ENLES	-	-	-0.4	-	L	-	-	-	RNP APCH
TF	SAMKO	-	192 (192.4)	-0.4	4.1	-	A032+	-	-	RNP APCH

SINGAPORE CHANGI RNP-APCH RWY 20R – Approach from NYLON

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	NYLON	-	-	-0.4	-	-	A030+	220	-	RNP APCH
TF	ELBEX	-	211 (211.4)	-0.4	6.0	L	A020+	-	-	RNP APCH
TF	ELGAP	-	203 (203.4)	-0.4	3.8	-	A020+	-	-	RNP APCH
TF	RW20R	Y	203 (203.4)	-0.4	6.2	-	-	-	-3.0° / 50	RNP APCH
DF	ENLES	-	-	-0.4	-	L	-	-	-	RNP APCH
TF	SAMKO	-	192 (192.4)	-0.4	4.1	-	A032+	-	-	RNP APCH

SINGAPORE CHANGI RNP-APCH RWY 20R – Approach from BIPOP

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	BIPOP	-	-	-0.4	-	-	A030+	220	-	RNP APCH
TF	ELBEX	-	273 (273.4)	-0.4	7.1	L	A020+	-	-	RNP APCH
TF	ELGAP	-	203 (203.4)	-0.4	3.8	-	A020+	-	-	RNP APCH
TF	RW20R	Y	203 (203.4)	-0.4	6.2	-	-	-	-3.0° / 50	RNP APCH
DF	ENLES	-	-	-0.4	-	L	-	-	-	RNP APCH
TF	SAMKO	-	192 (192.4)	-0.4	4.1	-	A032+	-	-	RNP APCH

Waypoint Coordinates

Name	Latitude	Longitude
BIDUS (IAF)	01° 35' 54" N	103° 57' 55" E
NYLON (IAF)	01° 36' 57" N	104° 06' 24" E
BIPOP (IAF)	01° 31' 22" N	104° 10' 18" E
ELBEX (IF)	01° 31' 49" N	104° 03' 14" E
ELGAP (FAF)	01° 28' 20" N	104° 01' 46" E
RW20R	01° 22' 34" N	103° 59' 20" E
ENLES	01° 09' 32" N	103° 53' 50" E
SAMKO	01° 05' 30" N	103° 52' 55" E