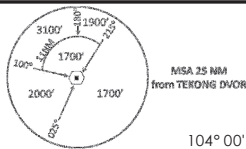
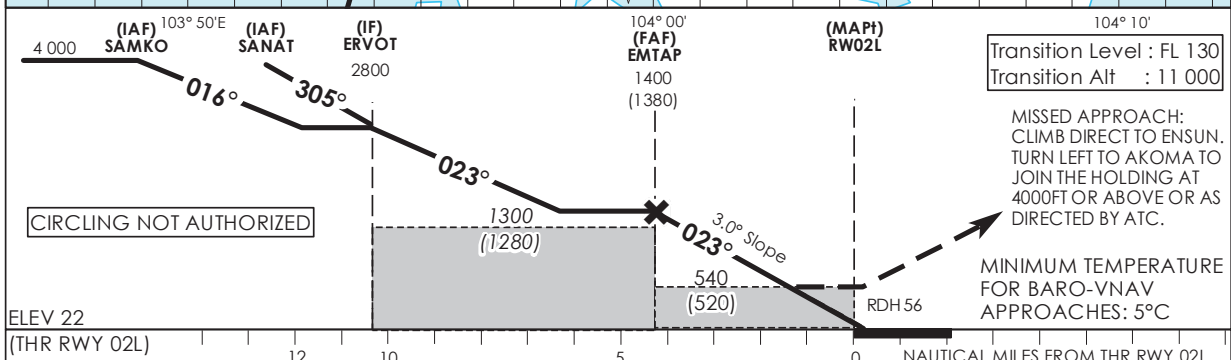
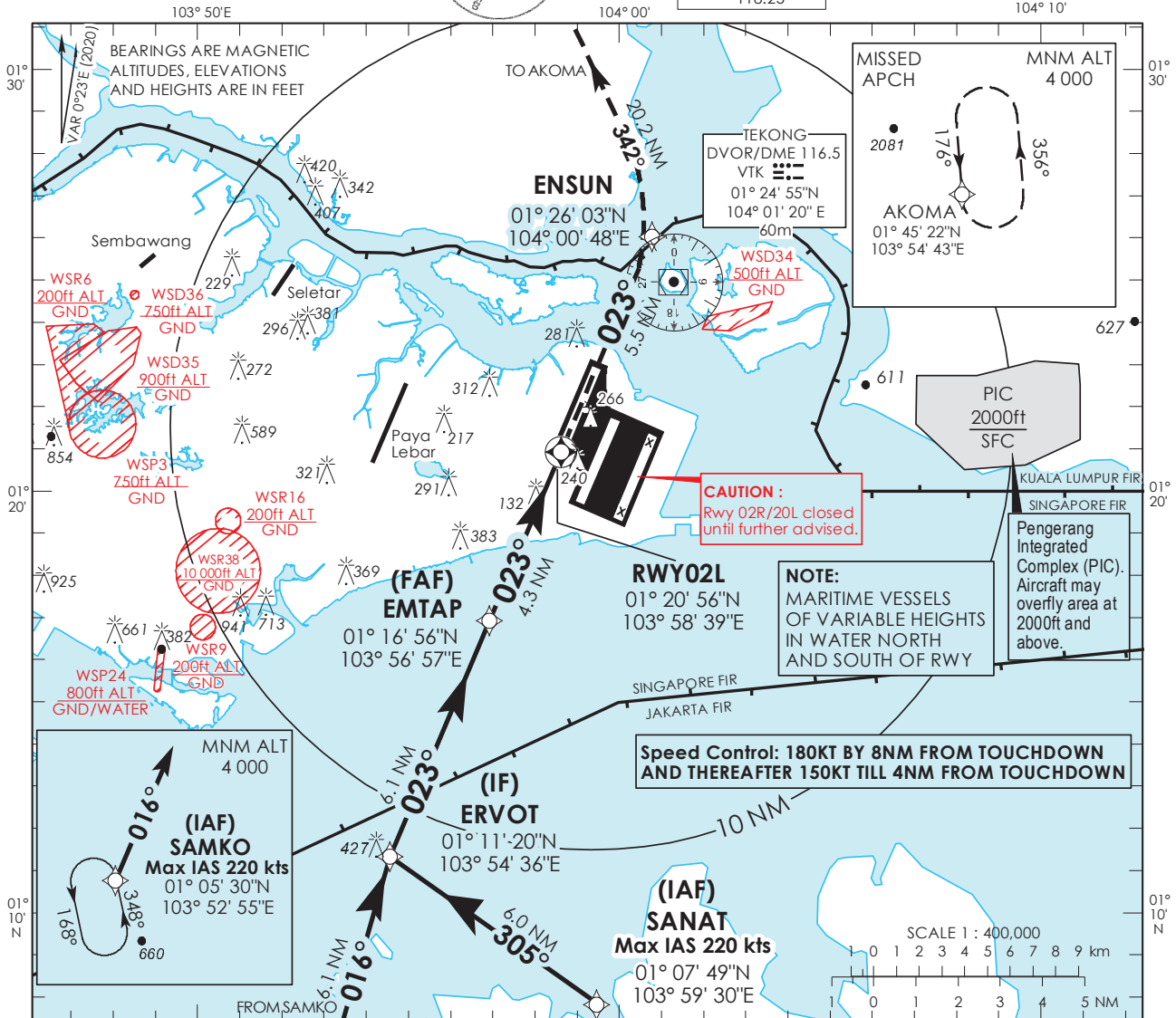


**INSTRUMENT APPROACH CHART - ICAO** AERODROME ELEV 22ft  
HEIGHT RELATED TO THR RWY 02L - ELEV 22ft



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

**SINGAPORE/ SINGAPORE CHANGI RNP RWY 02L**



		OCA (OCH)					
Category of Aircraft		A	B	C	D		
LNAV/VNAV	2.5%	450 (430)					
LNAV	2.5%	540 (520)					
Fix		SAMKO	SANAT	ERVOT	EMTAP	RW02L	ENSUN AKOMA
Altitude (Height)		4000 (3978)	4000 (3978)	2800 (2778)	1400 (1378)	540 (518)	880 (858) 4000 (3978)
Speed	knots	80		100	120	140	160 180
FAF - MAPt 4.3nm	min : s	3 : 14		2 : 35	2 : 09	1 : 51	1 : 37 1 : 26
Rate of descent/GS	ft/min	424		530	637	743	849 955

**SINGAPORE CHANGI RNP-APCH RWY 02L – Approach from SAMKO**

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	SAMKO	-	-	-0.4	-	-	A040+	220	-	RNP APCH
TF	ERVOT	-	016 (016.4)	-0.4	6.1	R	A028+	-	-	RNP APCH
TF	EMTAP	-	023 (023.4)	-0.4	6.1	-	A014+	-	-	RNP APCH
TF	RW02L	Y	023 (023.4)	-0.4	4.3	-	-	-	-3.0° / 50	RNP APCH
DF	ENSUN	-	-	-0.4	-	L	-	-	-	RNP APCH
TF	AKOMA	-	342 (342.4)	-0.4	20.2	-	A040+	-	-	RNP APCH

**SINGAPORE CHANGI RNP-APCH RWY 02L – Approach from SANAT**

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	SANAT	-	-	-0.4	-	-	A040+	220	-	RNP APCH
TF	ERVOT	-	305 (305.4)	-0.4	6.0	R	A028+	-	-	RNP APCH
TF	EMTAP	-	023 (023.4)	-0.4	6.1	-	A014+	-	-	RNP APCH
TF	RW02L	Y	023 (023.4)	-0.4	4.3	-	-	-	-3.0° / 50	RNP APCH
DF	ENSUN	-	-	-0.4	-	L	-	-	-	RNP APCH
TF	AKOMA	-	342 (342.4)	-0.4	20.2	-	A040+	-	-	RNP APCH

**Waypoint Coordinates**

Name	Latitude	Longitude
SAMKO (IAF)	01° 05' 30" N	103° 52' 55" E
SANAT (IAF)	01° 07' 49" N	103° 59' 30" E
ERVOT (IF)	01° 11' 20" N	103° 54' 36" E
EMTAP (FAF)	01° 16' 56" N	103° 56' 57" E
RW02L	01° 20' 56" N	103° 58' 39" E
ENSUN	01° 26' 03" N	104° 00' 48" E
AKOMA	01° 45' 22" N	103° 54' 43" E