STANDARD DEPARTURE CHART RNAV (GNSS) -INSTRUMENT (SID)

TWR 118.6 / 118.25 APP 120.3 124.05 ACC 133.25 TRANSITION ALTITUDE 11 000ft D-ATIS AP ID-WSSS

128 6

SINGAPORE/Singapore Changi RWY 20C MIBEL DEPARTURES MIBEL 1B

ELEV, ALT IN FEET 1900° 3100' BEARINGS, TRACKS AND 1700' RADIALS ARE MAGNETIC 100 VAR 0°23'E (2020) 2000 1700 DISTANCES IN NM **GENERAL INFORMATION** MSA 25 NM **INITIAL CLIMB** from TEKONG DVOR **TEKONG** CAUTION: RWY 02R/20L NOT AVAILABLE FOR CIVIL USE UNTIL DVOR/DME 116.5 VTK =:= **FURTHER ADVISED** 01° 24' 55"N NOTE: RADAR REQUIRED 104° 01' 20" E 60m NOTE: RNAV-1 NAVIGATION SPECIFICATION GNSS REQUIRED (•) NOTE: ACFT UNABLE TO FLY THE SID PROFILE SHALL INFORM ATC PRIOR TO DEPARTURE AND EXPECT RADAR VECTORING IF NECESSARY DER (RWY 20C 01°19'42.00"N 103°59'05.00"E NOTE: WHEN TAKEN OFF THE SID, AS INSTRUCTED BY ATC, REFER TO ENR 1.5, SECTION 3, PARAGRAPH 3.4.1 - FOR RWY 20C MINIMUM CLIMB GRADIENT **IBIXU** NOTE: REFER TO BACK PAGE FOR 2030 103° 57'40" E - FORMAL AND TABULAR DESCRIPTIONS - RADIO COM FAILURE PROCEDURES A015 **IBIVA PROCEDURE INFORMATION** 103° 56' 37" E SID SHALL NOT EXCEED IAS 230KTS UNTIL A025 PASSING 4000FT AMSL AND NOT EXCEED IAS 250KTS UNTIL PASSING 10000FT AMSL. CRUISING LEVELS WILL BE ISSUED AFTER TAKE-OFF BY SINGAPORE RADAR SID SHALL BE ON A MINIMUM CLIMB GRADIENT OF 7% SAMKO UNTIL REACHING OR PASSING 2500FT, THEREAFTER 3.3%. 01°05'30"N 103°52'55"E GND SPEED - KNOTS 75 100 150 200 250 300 A040 7% V/V (fpm) 532 709 2127 1063 1418 1772 3.3% V/V (fpm) 251 334 501 668 835 1003 MIBEL 2040 102° 08' 16" E **BISOV VIBOG** 0°43'10" |3°43'02 ISGIL 03° 12' 57" I

FL140

NOT TO SCALE

MIBEL 1B (SID) RNAV GNSS RWY 20C - DESCRIPTIONS

Formal & Abbreviated Descriptions

Formal Description	Abbreviated Description	Path Terminator	Fly-Over required
To IBIXU on course 203° at or above 1500ft.	IBIXU [M203; A015+] -	CF	N
To IBIVA at or above 2500ft, turn right.	IBIVA [A025+; R] -	TF	N
To SAMKO at or above 4000ft.	SAMKO [A040+] -	TF	N
To VIBOG, turn right.	VIBOG [R] -	TF	N
To ISGIL, between FL140 to FL160.	ISGIL [FL140+; FL160-] -	TF	N
To BISOV, turn right.	BISOV [R] -	TF	N
To MIBEL.	MIBEL	TF	N

Tabular Descriptions

Tubulai De	Tabular Descriptions							
Path Term	Waypoint Name	Fly-Over	Course °M(°T)	Distance (NM)	Turn Direction	Altitude	Speed Limit	Navigation Spec
CF	IBIXU		203(203.4)	4.0	-	A015+	-	RNAV1
TF	IBIVA	-	203(203.4)	3.0	R	A025+	-	RNAV1
TF	SAMKO	-	204(204.4)	9.0	-	A040+	-	RNAV1
TF	VIBOG	-	204(204.4)	24.0	R	-	-	RNAV1
TF	ISGIL	•	269(269.4)	30.0	1	FL140+ FL160-	•	RNAV1
TF	BISOV	-	269(269.4)	21.0	R	-	-	RNAV1
TF	MIBEL	-	313(313.4)	60.0	-	-	-	RNAV1

Radio Communications Failure Procedure

L	1	SET TRANSPONDER TO MODE A/C CODE 7600
ſ	2	COMMUNICATIONS FAILURE OCCURS IMMEDIATELY AFTER DEPARTURE:
		PROCEED DIRECT TO SAMKO HOLDING AREA (SHA) CLIMBING TO THE LAST ASSIGNED
		ALTITUDE, THEREAFTER REFER TO SINGAPORE AIP ON RADIO COMMUNICATIONS FAILURE
		PROCEDURE.