

SINGAPORE/Singapore Changi
RWY 20R/C/L
KARTO TWO BRAVO ARRIVAL
KARTO 2B

STANDARD ARRIVAL CHART
RNAV (GNSS) -
INSTRUMENT (STAR)

ACC 134.2
APP 124.05
119.3
TWR 118.6 / 118.25

TRANSITION ALTITUDE
11 000ft

D-ATIS AP ID-WSSS
128.025

ELEV. ALT IN FEET
BEARINGS, TRACKS AND
RADIALS ARE MAGNETIC
VAR 0°23'E (2020)

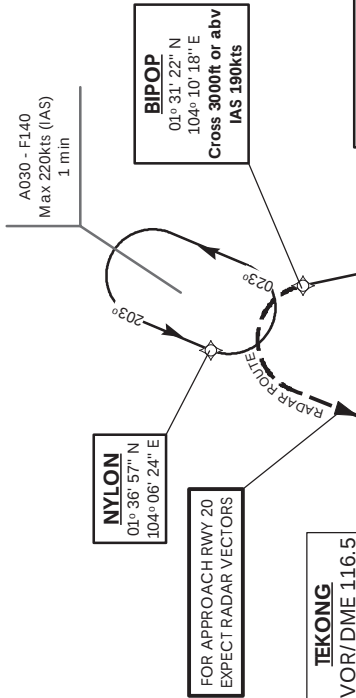
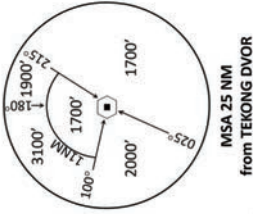
DISTANCES IN NM

**CAUTION: RWY 02R/20L NOT AVAILABLE FOR CIVIL USE UNTIL
FURTHER ADVISED**

NOTE: RADAR REQUIRED

NOTE: RNAV-1 NAVIGATION SPECIFICATION GNSS REQUIRED

NOTE: REFER TO BACK PAGE FOR
- FORMAL AND TABULAR DESCRIPTIONS
- RADIO COM FAILURE PROCEDURES



TEKONG
DVOR/DME 116.5
VTK ---
01° 24' 55"N
104° 01' 20" E
60m

NYLON
01° 36' 57" N
104° 06' 24" E

BIPOP
01° 31' 22" N
104° 10' 18" E
Cross 3000ft or abv
IAS 190kts

DOVAN
01° 19' 38" N
104° 12' 49" E
Cross 4000ft or abv

LAVAX
01° 09' 50" N
104° 27' 14" E
Cross 10000ft or abv

KEXAS
01° 10' 19" N
104° 48' 18" E
Cross F160 or b/w
IAS 220kts

GUNUD
01° 10' 42" N
105° 06' 18" E
IAS 250kts

KARTO
01° 11' 24" N
105° 33' 43" E

TOMAN
01° 21' 47" N
105° 47' 17" E

CAUTION
RWY 02R/20L NOT AVAILABLE FOR
CIVIL USE UNTIL FURTHER ADVISED

A110 - F160
Max 220kts (IAS)
1 min

F170 - F310
Max 250kts (IAS)
1.5 min

NOT TO SCALE

KARTO 2B (STAR) RNAV GNSS RWY 20R/20C/20L - DESCRIPTIONS

Formal & Abbreviated Descriptions

Formal Description	Abbreviated Description	Path Terminator	Fly-Over required
From TOMAN.	TOMAN -	IF	N
To KARTO, turn right.	KARTO [R] -	TF	N
To GUNUD, speed 250kts.	GUNUD [K250] -	TF	N
To KEXAS at or below FL160, speed 220kts.	KEXAS [FL160-; K220] -	TF	N
To LAVAX at or above 10000ft, turn right.	LAVAX [A100+; R] -	TF	N
To DOVAN at or above 4000ft, turn right.	DOVAN [A040+; R] -	TF	N
To BIPOP at or above 3000ft, speed 190kts.	BIPOP [A030+; K190]	TF	N

Tabular Descriptions

Path Term	Waypoint Name	Fly-Over	Course °M(°T)	Distance (NM)	Turn Direction	Altitude	Speed Limit	Navigation Spec
IF	TOMAN	-	-	-	-	-	-	RNAV1
TF	KARTO	-	232(232.4)	17.0	R	-	-	RNAV1
TF	GUNUD	-	268(268.4)	27.0	-	-	K250	RNAV1
TF	KEXAS	-	268(268.4)	18.0	-	FL160-	K220	RNAV1
TF	LAVAX	-	268(268.4)	21.0	R	A100+	-	RNAV1
TF	DOVAN	-	304(304.4)	17.0	R	A040+	-	RNAV1
TF	BIPOP	-	347(347.4)	12.0	-	A030+	K190	RNAV1

Radio Communications Failure Procedure

1	SET TRANSPONDER TO MODE A/C CODE 7600
2	When cleared via KARTO 2B by Singapore ATC (a) Maintain last assigned flight level or altitude and proceed on KARTO 2B to BIPOP, then direct to NYLON (b) From NYLON commence descent and carry out appropriate landing procedure for RWY 20 as close as possible to EAT or ETA (c) If unable to effect a landing, refer to Singapore AIP for missed approach procedure
3	No clearance or instruction received from Singapore ATC - Refer to Singapore AIP for radio communications failure procedure