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

ACC 133.25
APP 124.6
119.3
TWR 118.6 / 118.25

TRANSITION ALTITUDE
11 000ft

D-ATIS AP ID-WSSS
128.025

SINGAPORE/Singapore Changi
RWY 20R/C/L
ARAMA ONE BRAVO ARRIVAL
ARAMA 1B

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

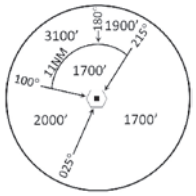
DISTANCES IN NM

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



MSA 25 NM
from TEKONG DVOR

A030 - F140
Max 220kts (IAS)
1 min

ARAMA
01° 36' 54" N
103° 07' 12" E
IAS 250kts

NYLON
01° 36' 57" N
104° 06' 24" E

FOR APPROACH RWY 20
EXPECT RADAR VECTORS

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

RADAR ROUTE

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

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

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

BOBAG
01° 02' 30" N
103° 29' 54" E
Cross 10,000ft or abv
IAS 220kts

BITAM
01° 08' 13" N
104° 07' 57" E
Cross 7000ft or abv
IAS 220kts

SAMKO
01° 05' 30" N
103° 52' 55" E

A060 - F140
Max 220kts (IAS)

F150 - F180
Max 250kts (IAS)

1 min

NOT TO SCALE

© 2024 Civil Aviation Authority Singapore

CHANGES : 1. Updated caution text
2. Removal of Runway 3 closure crosses "X"

ARAMA 1B (STAR) RNAV GNSS RWY 20R/20C/20L - DESCRIPTIONS

Formal & Abbreviated Descriptions

Formal Description	Abbreviated Description	Path Terminator	Fly-Over required
From ARAMA, speed 250kts.	ARAMA [K250] -	IF	N
To BOBAG at or above 10000ft, speed 220kts, turn left.	BOBAG [A100+; K220; L] -	TF	N
To SAMKO, turn left.	SAMKO [L] -	TF	N
To BITAM at or above 7000ft, speed 220kts, turn left.	BITAM [A070+; K220; L] -	TF	N
To DOVAN at or above 4000ft, turn left.	DOVAN [A040+; L] -	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	ARAMA	-	-	-	-	-	K250	RNAV1
TF	BOBAG	-	147(147.4)	41.0	L	A100+	K220	RNAV1
TF	SAMKO	-	082(082.4)	23.0	L	-	-	RNAV1
TF	BITAM	-	080(080.4)	15.0	L	A070+	K220	RNAV1
TF	DOVAN	-	023(023.4)	12.0	L	A040+	-	RNAV1
TF	BIPOP	-	348(348.4)	12.0	-	A030+	K190	RNAV1

Radio Communications Failure Procedure

1	**SET TRANSPONDER TO MODE A/C CODE 7600**
2	**When cleared via ARAMA 1B by Singapore ATC** **(a)** Maintain last assigned flight level or altitude and proceed on ARAMA 1B 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

© 2024 Civil Aviation Authority Singapore