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

ACC 133.8
APP 124.05
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
MABAL TWO BRAVO ARRIVAL
MABAL 2B

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

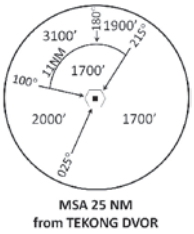
DISTANCES IN NM

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

MABAL
03° 28' 26" N
105° 12' 36" E

231°
F280 - F350
Max 300kts (IAS)
1.5 min
051°

231°
42

KILOT
03° 02' 17" N
104° 40' 23" E

227°
047°
F220 - F270
Max 250kts (IAS)
1.5 min

227°
47

PIBAP
02° 30' 23" N
104° 06' 18" E
Cross FL210 or blw
IAS 250kts

31
180°

PASPU
01° 59' 15" N
104° 06' 18" E
Cross 6000ft or abv
IAS 220kts

FOR APPROACH RWY 20
EXPECT RADAR VECTORS

180°
22

A030 - F140
Max 220kts (IAS)
1 min

203°
023°

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

RADAR ROUTE

NYLON
01° 36' 57" N
104° 06' 24" E
Cross 3000ft or abv
IAS 190kts

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

NOT TO SCALE

© 2024 Civil Aviation Authority Singapore

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

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

Formal & Abbreviated Descriptions

Formal Description	Abbreviated Description	Path Terminator	Fly-Over required
From MABAL.	MABAL -	IF	N
To KILOT, turn left.	KILOT [L] -	TF	N
To PIBAP at or below FL210, speed 250kts, turn left.	PIBAP [FL210-; K250; L] -	TF	N
To PASPU, at or above 6000ft, speed 220kts.	PASPU [A060+; K220] -	TF	N
To NYLON at or above 3000ft, speed 190kts.	NYLON [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	MABAL	-	-	-	-	-	-	RNAV1
TF	KILOT	-	231(231.4)	42.0	L	-	-	RNAV1
TF	PIBAP	-	227(227.4)	47.0	L	FL210-	K250	RNAV1
TF	PASPU	-	180(180.4)	31.0	-	A060+	K220	RNAV1
TF	NYLON	-	180(180.4)	22.0	-	A030+	K190	RNAV1

Radio Communications Failure Procedure

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