**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
ARR   128.025

**SINGAPORE/Singapore Changi
RWY 02L/C/R
ARAMA ONE ALPHA ARRIVAL
ARAMA 1A**

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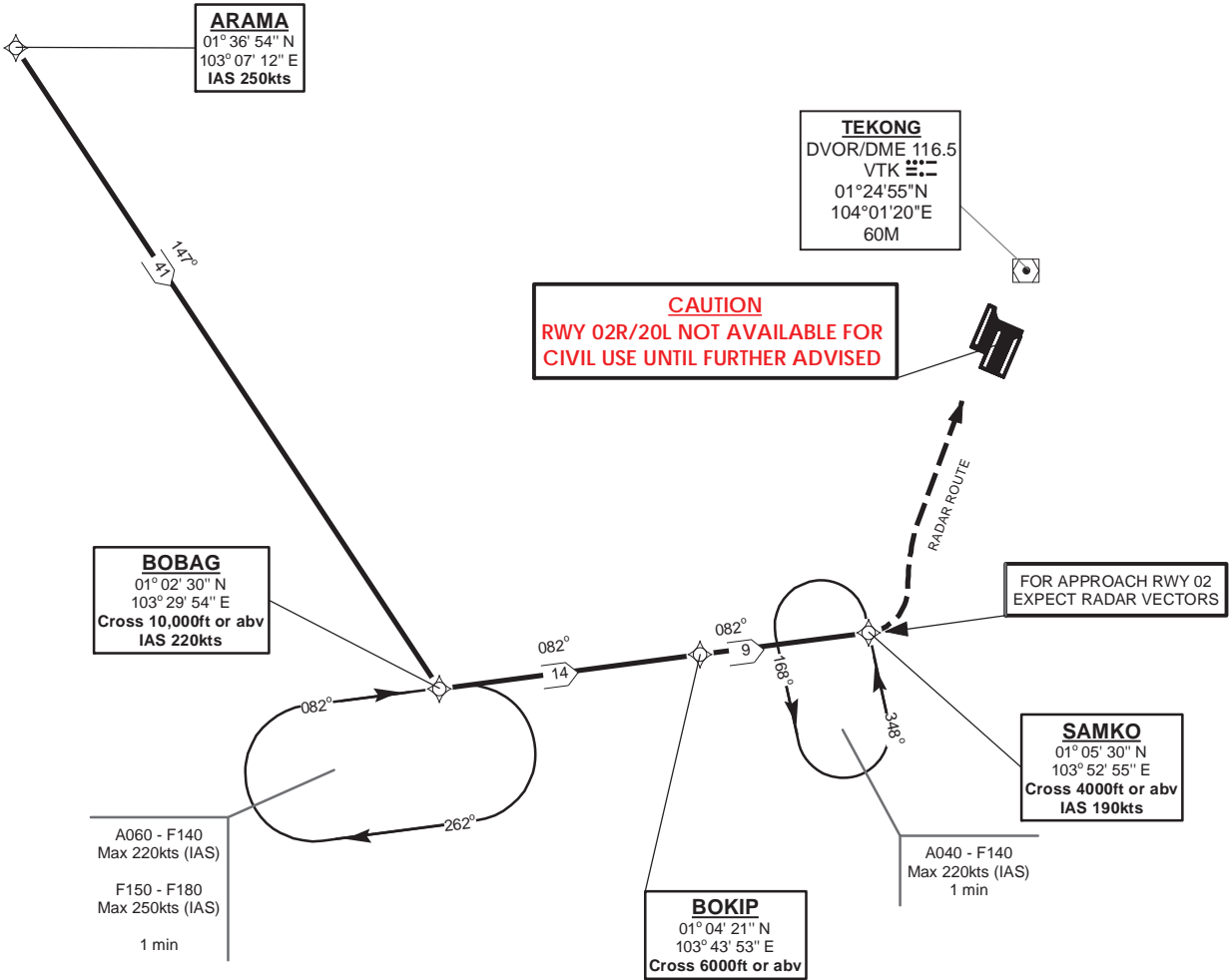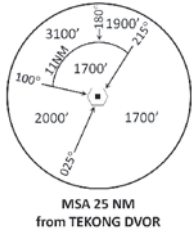RADIALS ARE MAGNETIC
VAR 0°23'E (2020)

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

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

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

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

147°
41

RADAR ROUTE

FOR APPROACH RWY 02
EXPECT RADAR VECTORS

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

082°
14

082°
9

082°

168°

348°

262°

SAMKO
01° 05' 30'' N
103° 52' 55'' E
**Cross 4000ft or abv
IAS 190kts**

A060 - F140
Max 220kts (IAS)

F150 - F180
Max 250kts (IAS)

1 min

A040 - F140
Max 220kts (IAS)
1 min

BOKIP
01° 04' 21'' N
103° 43' 53'' E
Cross 6000ft or abv

NOT TO SCALE

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

AIP AMDT 06/2024

ARAMA 1A (STAR) RNAV GNSS RWY 02L/02C/02R - 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 BOKIP at or above 6000ft.	BOKIP [A060+] -	TF	N
To SAMKO at or above 4000ft, speed 190kts.	SAMKO [A040+; 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	BOKIP	-	082(082.4)	14.0	-	A060+	-	RNAV1
TF	SAMKO	-	082(082.4)	9.0	-	A040+	K190	RNAV1

Radio Communications Failure Procedure

1	SET TRANSPONDER TO MODE A/C CODE 7600	
2	When cleared via ARAMA 1A by Singapore ATC	
	(a)	Maintain last assigned flight level or altitude and proceed on ARAMA 1A to SAMKO
	(b)	From SAMKO commence descent and carry out appropriate landing procedure for RWY 02 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