# 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
## ASUNA TWO ALPHA ARRIVAL
## ASUNA 2A

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

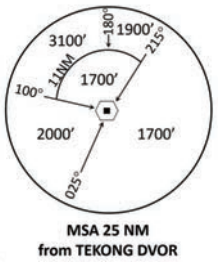
DISTANCES IN NM

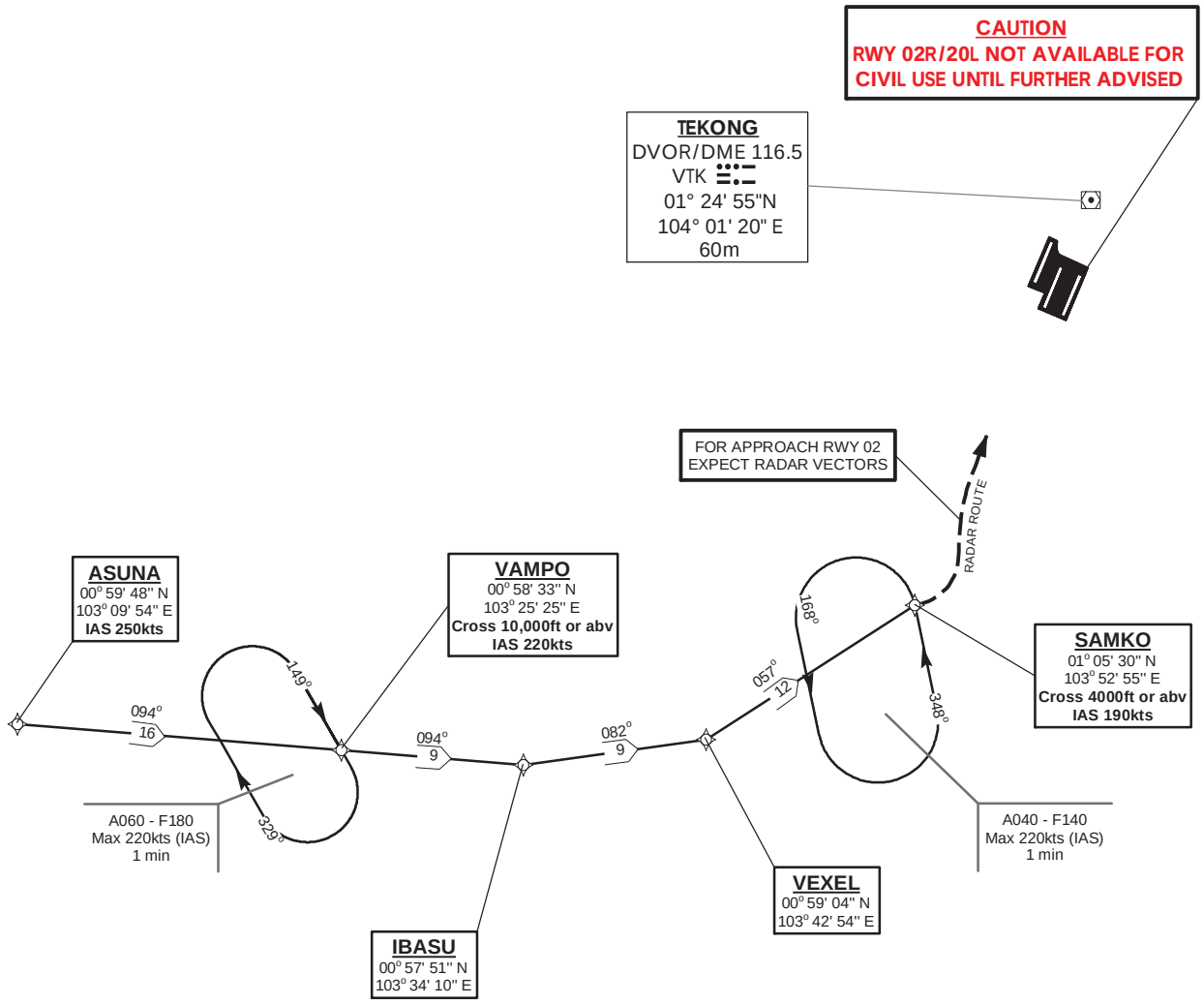
**CAUTION: RWY 02R/20L NOT AVAILABLE FOR CIVIL USE UNTIL FURTHER ADVISED**

**NOTE:** RADAR REQUIRED

**NOTE:** RNAV-1 NAVIGATION SPECIFICATION GNSS REQUIRED

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




NOT TO SCALE

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

# ASUNA 2A (STAR) RNAV GNSS RWY 02L/02C/02R - DESCRIPTIONS

**Formal & Abbreviated Descriptions**

| Formal Description | Abbreviated Description | Path Terminator | Fly-Over required |
|---|---|---|---|
| From ASUNA, speed 250kts. | ASUNA [K250] - | IF | N |
| To VAMPO at or above 10000ft, speed 220kts. | VAMPO [A100+; K220] - | TF | N |
| To IBASU, turn left. | IBASU [L] - | TF | N |
| To VEXEL, turn left. | VEXEL [L] - | 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 | ASUNA | - | - | - | - | - | K250 | RNAV1 |
| TF | VAMPO | - | 094(094.4) | 16.0 | - | A100+ | K220 | RNAV1 |
| TF | IBASU | - | 094(094.4) | 9.0 | L | - | - | RNAV1 |
| TF | VEXEL | - | 082(082.4) | 9.0 | L | - | - | RNAV1 |
| TF | SAMKO | - | 057(057.4) | 12.0 | - | A040+ | K190 | RNAV1 |

**Radio Communications Failure Procedure**

| | |
|---|---|
| **1** | **SET TRANSPONDER TO MODE A/C CODE 7600** |
| **2** | **When cleared via ASUNA 2A by Singapore ATC**<br>**(a)** Maintain last assigned flight level or altitude and proceed on ASUNA 2A to SAMKO<br>**(b)** From SAMKO commence descent and carry out appropriate landing procedure for RWY 02 as close as possible to EAT or ETA<br>**(c)** If unable to effect a landing, refer to Singapore AIP for missed approach procedure |
| **3** | **No clearance or instruction received from Singapore ATC**<br>**-** Refer to Singapore AIP for radio communications failure procedure |


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