

**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**

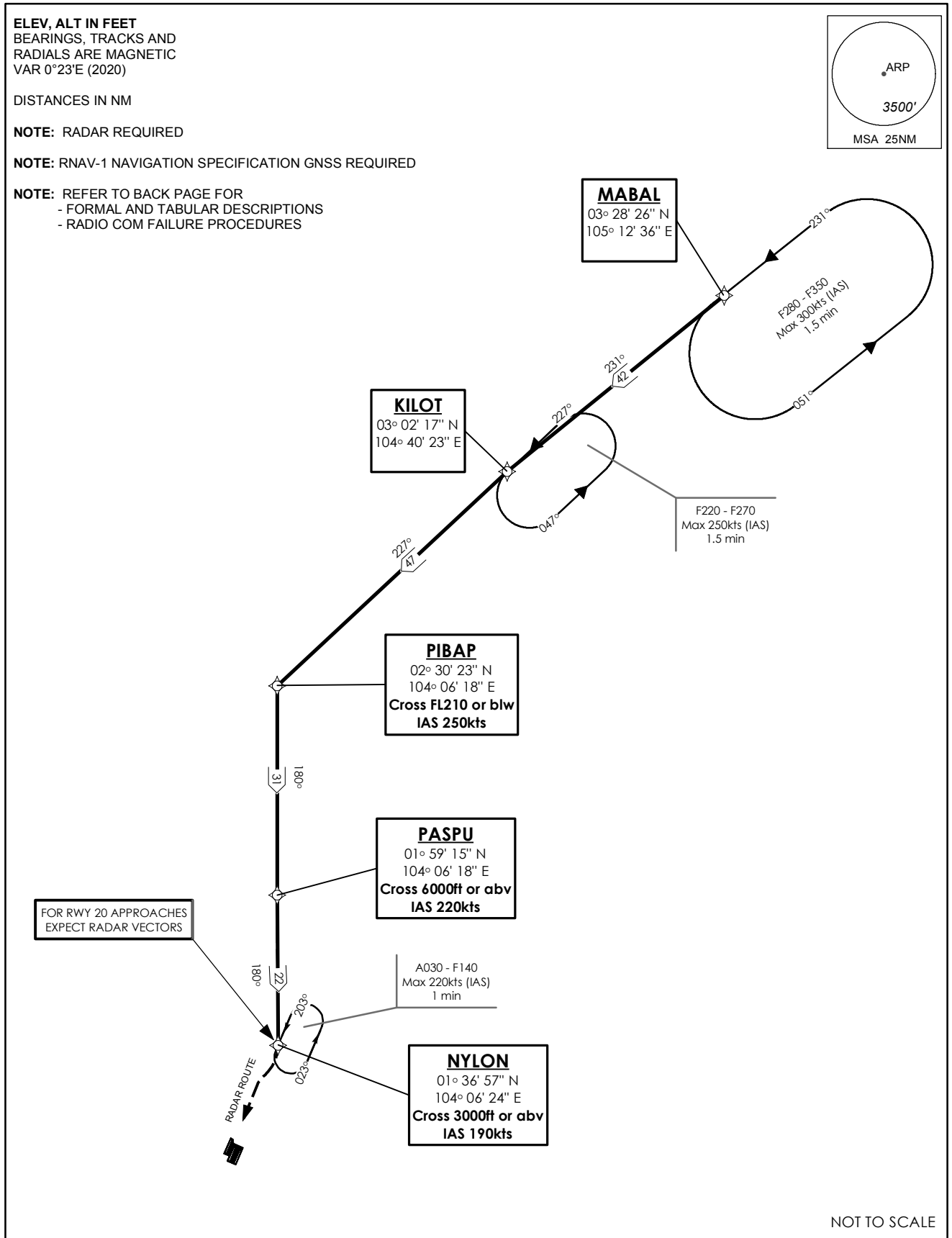
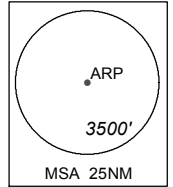
ELEV, ALT IN FEET  
BEARINGS, TRACKS AND  
RADIALS ARE MAGNETIC  
VAR 0°23'E (2020)

DISTANCES IN NM

**NOTE:** RADAR REQUIRED

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

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



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

**Formal & Abbreviated Descriptions**

| Formal Description   | Abbreviated Description   | Path Terminator            | Fly-Over required     |
|--|---|----------------------------|-----------------------|
| From MABAL. To KILOT, turn left. To PIBAP at or below FL210, speed 250kts, turn left. To PASPU, at or above 6000ft, speed 220kts. To NYLON at or above 3000ft, speed 190kts. | MABAL -<br>KILOT [L] -<br>PIBAP [FL210-; K250; L] -<br>PASPU [A060+; K220] -<br>NYLON [A030+; K190] | IF<br>TF<br>TF<br>TF<br>TF | N<br>N<br>N<br>N<br>N |

**Tabular Descriptions**

| Path Term | Waypoint Name | Fly-Over | Course °M(°T) | Magnetic Variation | Turn Direction | Altitude | Speed Limit | Navigation Spec |
|-----------|---------------|----------|---------------|--------------------|----------------|----------|-------------|-----------------|
| IF        | MABAL         | -        | -             | -                  | -              | -        | -           | RNAV1           |
| TF        | KILOT         | -        | 231(231.4)    | -0.4               | L              | -        | -           | RNAV1           |
| TF        | PIBAP         | -        | 227(227.4)    | -0.4               | L              | FL210-   | K250        | RNAV1           |
| TF        | PASPU         | -        | 180(180.4)    | -0.4               | -              | A060+    | K220        | RNAV1           |
| TF        | NYLON         | -        | 180(180.4)    | -0.4               | -              | A030+    | K190        | RNAV1           |

**RADIO COMMUNICATIONS FAILURE PROCEDURE**

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