

STANDARD DEPARTURE CHART  
RNAV (GNSS) -  
INSTRUMENT (SID)

TWR 118.6 / 118.25  
APP 120.3  
124.05  
ACC 134.4

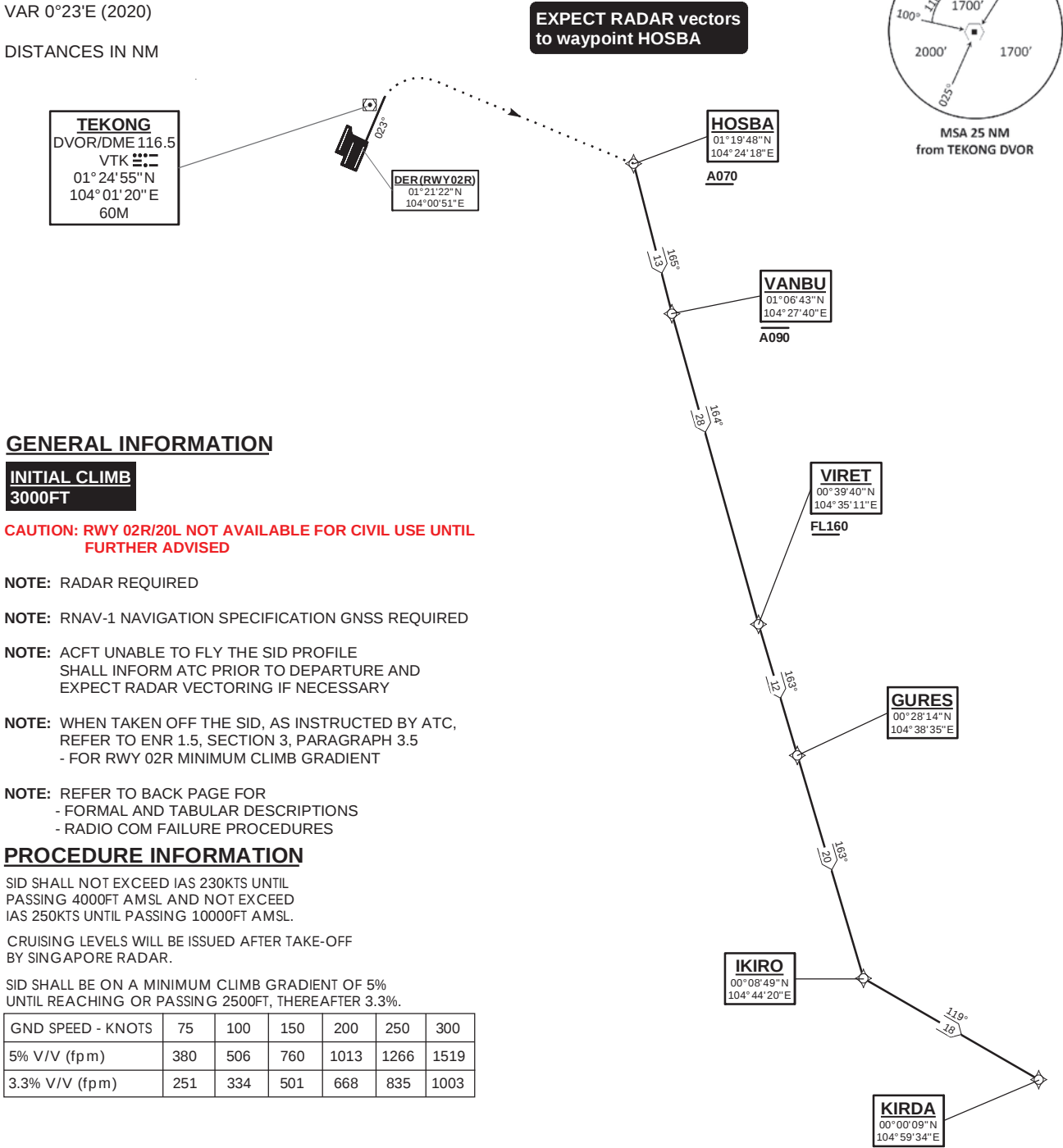
TRANSITION ALTITUDE  
11 000ft

D-ATIS AP ID-WSSS  
128.6

SINGAPORE/Singapore Changi  
RWY 02R  
KIRDA DEPARTURES (RADAR)  
KIRDA 1C

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

DISTANCES IN NM



KIRDA 1C (SID) RNAV GNSS RWY 02R - DESCRIPTIONS

Formal & Abbreviated Descriptions

| Formal Description                                                                              | Abbreviated Description | Path Terminator | Fly-Over required |
|-------------------------------------------------------------------------------------------------|-------------------------|-----------------|-------------------|
| Climb heading 023°, Gradient 5% to 2500ft, thence 3.3%. Expect radar vectors to waypoint HOSBA. | -                       | VA              | N                 |
| To HOSBA at or above 7000ft.                                                                    | HOSBA [A070+] -         | DF              | N                 |
| To VANBU at or below 9000ft, turn left.                                                         | VANBU [A090-; L] -      | TF              | N                 |
| To VIRET at or above FL160, turn left.                                                          | VIRET [FL160+; L] -     | TF              | N                 |
| To GURES.                                                                                       | GURES -                 | TF              | N                 |
| To IKIRO, turn left.                                                                            | IKIRO [L] -             | TF              | N                 |
| To KIRDA.                                                                                       | KIRDA                   | TF              | N                 |

Tabular Descriptions

| Path Term | Waypoint Name | Fly-Over | Course °M(°T) | Distance (NM) | Turn Direction | Altitude | Speed Limit | Navigation Spec |
|-----------|---------------|----------|---------------|---------------|----------------|----------|-------------|-----------------|
| VA        | -             | -        | 023(023.4)    | -             | -              | A030     | -           | -               |
| DF        | HOSBA         | -        | -             | -             | -              | A070+    | -           | RNAV1           |
| TF        | VANBU         | -        | 165(165.4)    | 13.0          | L              | A090-    | -           | RNAV1           |
| TF        | VIRET         | -        | 164(164.4)    | 28.0          | L              | FL160+   | -           | RNAV1           |
| TF        | GURES         | -        | 163(163.3)    | 12.0          | -              | -        | -           | RNAV1           |
| TF        | IKIRO         | -        | 163(163.3)    | 20.0          | L              | -        | -           | RNAV1           |
| TF        | KIRDA         | -        | 119(119.3)    | 18.0          | -              | -        | -           | RNAV1           |

Radio Communications Failure Procedure

|   |                                                                                                                                                                                                                                   |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | SET TRANSPONDER TO MODE A/C CODE 7600                                                                                                                                                                                             |
| 2 | COMMUNICATIONS FAILURE OCCURS IMMEDIATELY AFTER DEPARTURE:<br><br>PROCEED DIRECT TO NYLON HOLDING AREA (NHA) CLIMBING TO THE LAST ASSIGNED ALTITUDE, THEREAFTER REFER TO SINGAPORE AIP ON RADIO COMMUNICATIONS FAILURE PROCEDURE. |