

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

ACC 134.4  
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  
OBDOS ONE BRAVO ARRIVAL  
OBDOS 1B

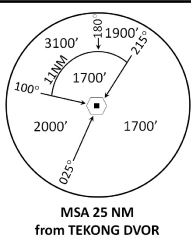
ELEV, ALT IN FEET  
BEARINGS, TRACKS AND  
RADIALS ARE MAGNETIC  
VAR 0°23'E (2020)

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



## **OBDOS 1B (STAR) RNAV GNSS RWY 20R/20C/20L - DESCRIPTIONS**

### **Formal & Abbreviated Descriptions**

| Formal Description                                                                                                                                                                                                                                    | Abbreviated Description   | Path Terminator | Fly-Over required |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------|-------------------|
| From OBDOS. To IKAGO. To IKIMA, turn right. To IBULA at or below FL180, speed 250kts, turn right. To LAVAX, speed 220kts, turn left. To RUVIK at or above 8000ft. To DOVAN at or above 4000ft, turn right. To BIPOP at or above 3000ft, speed 190kts. | OBDOS -                   | IF              | N                 |
|                                                                                                                                                                                                                                                       | IKAGO -                   | TF              | N                 |
|                                                                                                                                                                                                                                                       | IKIMA [R] -               | TF              | N                 |
|                                                                                                                                                                                                                                                       | IBULA [FL180-; K250; R] - | TF              | N                 |
|                                                                                                                                                                                                                                                       | LAVAX [K220; L] -         | TF              | N                 |
|                                                                                                                                                                                                                                                       | RUVIK [A080+] -           | TF              | N                 |
|                                                                                                                                                                                                                                                       | DOVAN [A040+; R] -        | TF              | N                 |
|                                                                                                                                                                                                                                                       | BIPOP [A030+; K190]       | TF              | N                 |

### **Tabular Descriptions**

| Path Term | Waypoint Name | Fly-Over | Course °M(°T) | Magnetic Variation | Turn Direction | Altitude | Speed Limit | Navigation Spec |
|-----------|---------------|----------|---------------|--------------------|----------------|----------|-------------|-----------------|
| IF        | OBDOS         | -        | -             | -                  | -              | -        | -           | RNAV1           |
| TF        | IKAGO         | -        | 279(279.4)    | -0.4               | -              | -        | -           | RNAV1           |
| TF        | IKIMA         | -        | 279(279.4)    | -0.4               | R              | -        | -           | RNAV1           |
| TF        | IBULA         | -        | 291(291.4)    | -0.4               | R              | FL180-   | K250        | RNAV1           |
| TF        | LAVAX         | -        | 335(335.4)    | -0.4               | L              | -        | K220        | RNAV1           |
| TF        | RUVIK         | -        | 304(304.4)    | -0.4               | -              | A080+    | -           | RNAV1           |
| TF        | DOVAN         | -        | 304(304.4)    | -0.4               | R              | A040+    | -           | RNAV1           |
| TF        | BIPOP         | -        | 348(348.4)    | -0.4               | -              | A030+    | K190        | RNAV1           |

## **RADIO COMMUNICATIONS FAILURE PROCEDURE**

|   |                                                                                                                                                                                                                                                                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>SET TRANSPONDER TO MODE A/C CODE 7600</b>                                                                                                                                                                                                                                                                                                                                                        |
| 2 | <b>When cleared via OBDOS 1B by Singapore ATC</b> <p>(a) Maintain last assigned flight level or altitude and proceed on OBDOS 1B to BIPOP, then direct 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> |
| 3 | <b>No clearance or instruction received from Singapore ATC</b> <p>- Refer to Singapore AIP for radio communications failure procedure</p>                                                                                                                                                                                                                                                           |