

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

|     |                |
|-----|----------------|
| TWR | 118.6 / 118.25 |
| APP | 120.3          |
|     | 124.05         |
| ACC | 133.25         |

|                     |                     |
|---------------------|---------------------|
| TRANSITION ALTITUDE | 11 000ft            |
| D-ATIS              | AP ID-WSSS<br>128.6 |

SINGAPORE/Singapore Changi  
RWY 02C  
TAROS DEPARTURES  
TAROS 1A

ELEV, ALT IN FEET

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

DISTANCES IN NM

GENERAL INFORMATION

INITIAL CLIMB  
3000FT

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

NOTE: RADAR REQUIRED

NOTE: RNAV-1 NAVIGATION SPECIFICATION  
GNSS REQUIRED

NOTE: CLOSE-IN OBSTACLES (AIRCRAFT UP TO 80FT)  
EXIST ON TAXIWAYS WEST OF RUNWAY 02C

NOTE: ACFT UNABLE TO FLY THE SID  
PROFILE SHALL INFORM ATC  
PRIOR TO DEPARTURE AND TO  
EXPECT RADAR VECTORING,  
IF NECESSARY

NOTE: WHEN TAKEN OFF THE SID,  
AS INSTRUCTED BY ATC,  
REFER TO ENR 1.5, SECTION 3,  
PARAGRAPH 3.3 [A] - FOR RWY 02C MINIMUM CLIMB GRADIENT

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

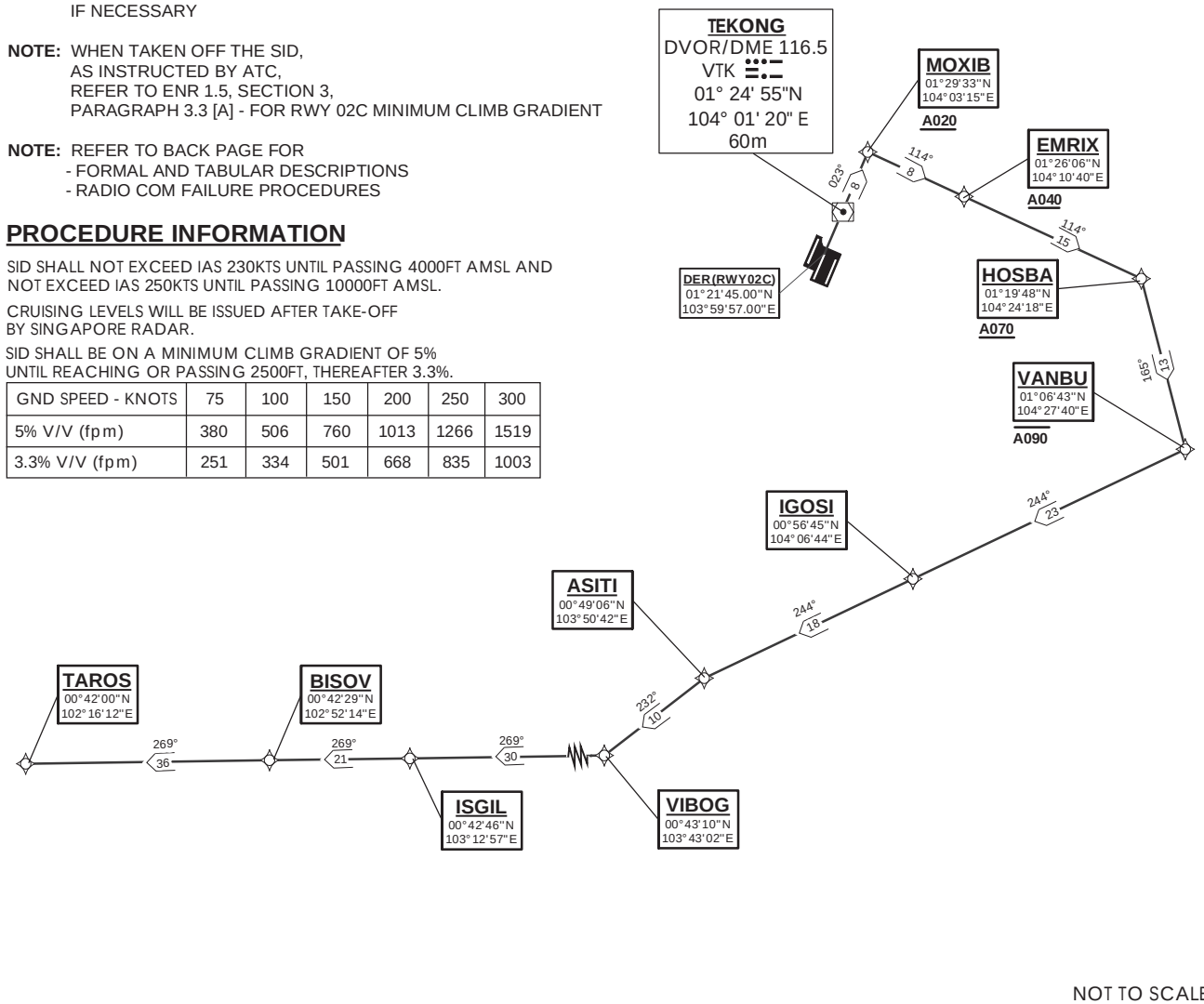
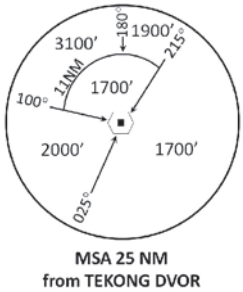
PROCEDURE INFORMATION

SID SHALL NOT EXCEED IAS 230KTS UNTIL PASSING 4000FT AMSL AND  
NOT EXCEED IAS 250KTS UNTIL PASSING 10000FT AMSL.

CRUISING LEVELS WILL BE ISSUED AFTER TAKE-OFF  
BY SINGAPORE RADAR.

SID SHALL BE ON A MINIMUM CLIMB GRADIENT OF 5%  
UNTIL REACHING OR PASSING 2500FT, THEREAFTER 3.3%.

|                   |     |     |     |      |      |      |
|-------------------|-----|-----|-----|------|------|------|
| GND SPEED - KNOTS | 75  | 100 | 150 | 200  | 250  | 300  |
| 5% V/V (fpm)      | 380 | 506 | 760 | 1013 | 1266 | 1519 |
| 3.3% V/V (fpm)    | 251 | 334 | 501 | 668  | 835  | 1003 |



TAROS 1A (SID) RNAV GNSS RWY 02C - DESCRIPTIONS

Formal & Abbreviated Descriptions

| Formal Description                                      | Abbreviated Description  | Path Terminator | Fly-Over required |
|---------------------------------------------------------|--------------------------|-----------------|-------------------|
| To MOXIB on course 023° at or above 2000ft, turn right. | MOXIB [M023; A020+; R] - | CF              | N                 |
| To EMRIX at or above 4000ft.                            | EMRIX [A040+] -          | TF              | N                 |
| To HOSBA at or above 7000ft, turn right.                | HOSBA [A070+; R] -       | TF              | N                 |
| To VANBU at or below 9000ft, turn right.                | VANBU [A090-; R] -       | TF              | N                 |
| To IGOSI.                                               | IGOSI -                  | TF              | N                 |
| To ASITI, turn left.                                    | ASITI [L] -              | TF              | N                 |
| To VIBOG, turn right.                                   | VIBOG [R] -              | TF              | N                 |
| To ISGIL.                                               | ISGIL -                  | TF              | N                 |
| To BISOV.                                               | BISOV -                  | TF              | N                 |
| To TAROS.                                               | TAROS                    | TF              | N                 |

Tabular Descriptions

| Path Term | Waypoint Name | Fly-Over | Course °M(°T) | Distance (NM) | Turn Direction | Altitude | Speed Limit | Navigation Spec |
|-----------|---------------|----------|---------------|---------------|----------------|----------|-------------|-----------------|
| CF        | MOXIB         | -        | 023(023.4)    | 8.0           | R              | A020+    | -           | RNAV1           |
| TF        | EMRIX         | -        | 114(114.4)    | 8.0           | -              | A040+    | -           | RNAV1           |
| TF        | HOSBA         | -        | 114(114.4)    | 15.0          | R              | A070+    | -           | RNAV1           |
| TF        | VANBU         | -        | 165(165.4)    | 13.0          | R              | A090-    | -           | RNAV1           |
| TF        | IGOSI         | -        | 244(244.4)    | 23.0          | -              | -        | -           | RNAV1           |
| TF        | ASITI         | -        | 244(244.4)    | 18.0          | L              | -        | -           | RNAV1           |
| TF        | VIBOG         | -        | 232(232.4)    | 10.0          | R              | -        | -           | RNAV1           |
| TF        | ISGIL         | -        | 269(269.4)    | 30.0          | -              | -        | -           | RNAV1           |
| TF        | BISOV         | -        | 269(269.4)    | 21.0          | -              | -        | -           | RNAV1           |
| TF        | TAROS         | -        | 269(269.4)    | 36.0          | -              | -        | -           | 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. |