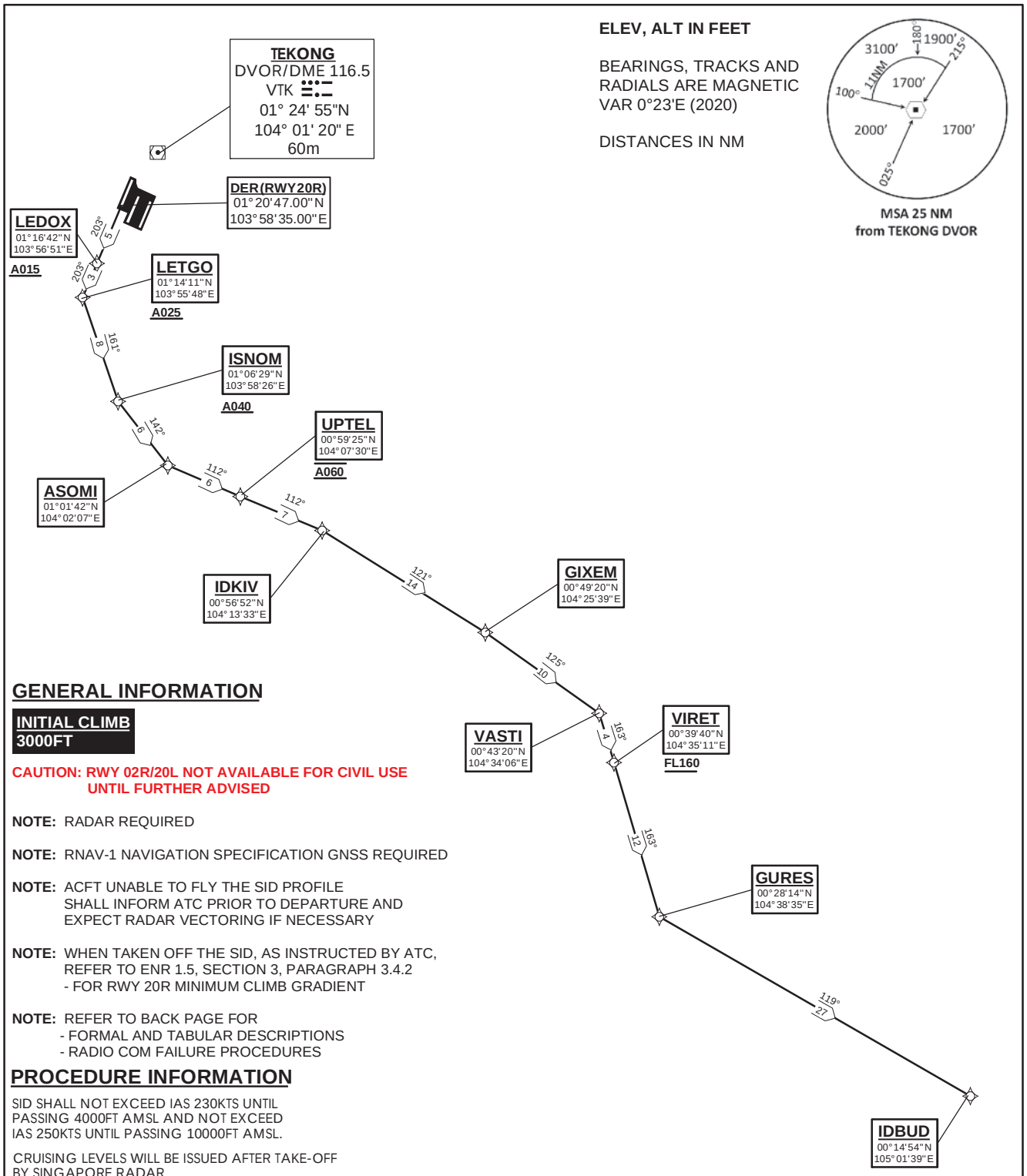
# STANDARD DEPARTURE CHART RNAV (GNSS) - INSTRUMENT (SID)

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 20R
## IDBUD DEPARTURES
## IDBUD 1F




**ELEV, ALT IN FEET**

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

DISTANCES IN NM




MSA 25 NM
from TEKONG DVOR

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

**NOTE:** WHEN TAKEN OFF THE SID, AS INSTRUCTED BY ATC, REFER TO ENR 1.5, SECTION 3, PARAGRAPH 3.4.2 - FOR RWY 20R 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 6% UNTIL REACHING OR PASSING 2500FT, THEREAFTER 3.3%.

| GND SPEED - KNOTS | 75 | 100 | 150 | 200 | 250 | 300 |
|---|---|---|---|---|---|---|
| 6% V/V (fpm) | 456 | 608 | 911 | 1215 | 1518 | 1821 |
| 3.3% V/V (fpm) | 251 | 334 | 501 | 668 | 835 | 1003 |

NOT TO SCALE

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

# IDBUD 1F (SID) RNAV GNSS RWY 20R - DESCRIPTIONS

**Formal & Abbreviated Descriptions**

| Formal Description | Abbreviated Description | Path Terminator | Fly-Over required |
|---|---|---|---|
| To LEDOX on course 203° at or above 1500ft. | LEDOX [M203; A015+] - | CF | N |
| To LETGO at or above 2500ft, turn left. | LETGO [A025+; L] - | TF | N |
| To ISNOM at or above 4000ft, turn left. | ISNOM [A040+; L] - | TF | N |
| To ASOMI, turn left. | ASOMI [L] - | TF | N |
| To UPTEL at 6000ft. | UPTEL [@A060] - | TF | N |
| To IDKIV, turn right. | IDKIV [R] - | TF | N |
| To GIXEM, turn right. | GIXEM [R] - | TF | N |
| To VASTI, turn right. | VASTI [R] - | TF | N |
| To VIRET at or above FL160. | VIRET [FL160+] - | TF | N |
| To GURES, turn left. | GURES [L] - | TF | N |
| To IDBUD. | IDBUD | TF | N |

**Tabular Descriptions**

| Path Term | Waypoint Name | Fly-Over | Course °M(°T) | Distance (NM) | Turn Direction | Altitude | Speed Limit | Navigation Spec |
|---|---|---|---|---|---|---|---|---|
| CF | LEDOX | - | 203(203.4) | 5.0 | - | A015+ | - | RNAV1 |
| TF | LETGO | - | 203(203.4) | 3.0 | L | A025+ | - | RNAV1 |
| TF | ISNOM | - | 161(161.4) | 8.0 | L | A040+ | - | RNAV1 |
| TF | ASOMI | - | 142(142.4) | 6.0 | L | - | - | RNAV1 |
| TF | UPTEL | - | 112(112.4) | 6.0 | - | @A060 | - | RNAV1 |
| TF | IDKIV | - | 112(112.4) | 7.0 | R | - | - | RNAV1 |
| TF | GIXEM | - | 121(121.4) | 14.0 | R | - | - | RNAV1 |
| TF | VASTI | - | 125(125.4) | 10.0 | R | - | - | RNAV1 |
| TF | VIRET | - | 163(163.4) | 4.0 | - | FL160+ | - | RNAV1 |
| TF | GURES | - | 163(163.4) | 12.0 | L | - | - | RNAV1 |
| TF | IDBUD | - | 119(119.4) | 27.0 | - | - | - | RNAV1 |

**Radio Communications Failure Procedure**

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


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