

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

TWR 118.6 / 118.25  
APP 120.3  
ACC 133.8

TRANSITION ALTITUDE  
11 000ft

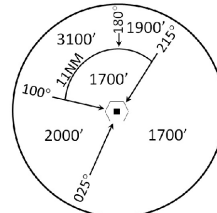
D-ATIS AP ID-WSSS  
128.6

**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

**EXPECT RADAR vectors  
to waypoint HOSBA**



MSA 25 NM  
from TEKONG DVOR

**TEKONG**  
DVOR/DME 116.5  
VTK   
01°24'55"N  
104°01'20"E  
60M

**DER(RWY02R)**  
01°21'22.24"N  
104°00'50.81"E

**HOSBA**  
01°19'48"N  
104°24'18"E  
**A070**

**VANBU**  
01°06'43"N  
104°27'40"E  
**A090**

**VIRET**  
00°39'40"N  
104°35'11"E  
**FL160**

**GURES**  
00°28'14"N  
104°38'35"E

**IKIRO**  
00°08'49"N  
104°44'20"E

**KIRDA**  
00°00'00"N  
104°59'36"E

**GENERAL INFORMATION**

**INITIAL CLIMB  
3000FT**

- CAUTION: RWY 02R/20L CLOSED 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 VECTORED IF NECESSARY
- NOTE:** WHEN TAKEN OFF THE SID, AS INSTRUCTED BY ATC, REFER TO ENR 1.5, SECTION 3, PARAGRAPH 3.5 - FOR RWY 02R 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

NOT TO SCALE