

**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 02L  
KIRDA DEPARTURES  
KIRDA 1E**

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

DISTANCES IN NM

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

**DER (RWY 02L)**  
01°23'05.00"N  
103°59'33.00"E

**MOLVO**  
01°29'55"N  
104°02'27"E

**A020**

**EMRIX**  
01°26'06"N  
104°10'40"E

**A040**

**HOSBA**  
01°19'48"N  
104°24'18"E

**A070**

**VANBU**  
01°06'43"N  
104°27'40"E

**A090**

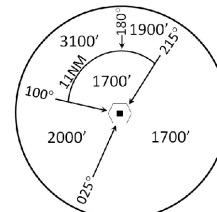
**VIRET**  
00°39'40"N  
104°35'11"E

**FL160**

**GURES**  
00°28'14"N  
104°38'35"E

**KIRO**  
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 VECTORING IF NECESSARY**

**NOTE: WHEN TAKEN OFF THE SID, AS INSTRUCTED BY ATC,  
REFER TO ENR 1.5, SECTION 3, PARAGRAPH 3.2 [A]  
- FOR RWY 02L 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