

SINGAPORE/Singapore Changi
RWY 02L/C
LAVAX ONE ALPHA ARRIVAL
LAVAX 1A
RNAV(GNSS)

STANDARD ARRIVAL CHART -
INSTRUMENT (STAR)

ELEV. ALT IN FEET
BEARINGS, TRACKS AND
RADIALS ARE MAGNETIC
VAR 31E (2005)

DISTANCES IN NM

ACC 134.2 / 134.4
APP 124.05 / 120.3
ARR 119.3
TWR 118.6 / 118.25

TRANSITION ALTITUDE
11 000ft

D-ATIS AIP ID-WSSS
128.6

TEKONG
DVOR/DME T16.5
VTK 55-1
01° 24' 55" N
104° 01' 20" E
60M

SINJON
DVOR/DME T13.5
01° 13' 21" N
103° 51' 15" E
60M

SAMKO
01° 05' 30" N
103° 52' 55" E

SINJON
A040 - F140
Max 220kts (AS)
1 min

IGNON
01° 08' 47" N
104° 12' 57" E
Cross 7000ft or abv

IBILIA
00° 50' 36" N
104° 36' 00" E
Cross F180 or DIM

IKIMA
00° 43' 14" N
104° 55' 00" E

LAVAX
01° 09' 50" N
104° 27' 14" E
Max IAS 250kts

KEXAS
01° 10' 19" N
104° 48' 18" E
Cross F160 or DIM

KARIO
01° 11' 24" N
105° 33' 43" E

TOMAN
01° 21' 47" N
105° 47' 17" E

TOMAN TRANSITION
F260 - F310
Max 280kts (AS)
1.3 min

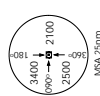
TOMAN TRANSITION
A070 - F140
Max 220kts (AS)
1 min

IBILIA TRANSITION
F150 - F200
Max 250kts (AS)
1.5 min

IGNON TRANSITION
F150 - F200
Max 250kts (AS)
1.5 min

IBILIA TRANSITION
F150 - F200
Max 250kts (AS)
1.5 min

**FOR ILS APPROACH RWY 02
EXPECT RADAR VECTORS**



NOTE: RADAR REQUIRED
NOTE: REFER TO BACK PAGE FOR
A) CONVENTIONAL
PROCEDURES
B) RADIO COM FAILURE
PROCEDURES
C) CROSS REFERENCE FROM
NAVAID

NOT TO SCALE

→ (A) BASIC RNAV ARRIVAL

For non-RNP1/P-RNAV approved aircraft or whose RNP1/P-RNAV capability have been degraded

TRANSITIONS/ROUTE		LAVAX ONE ALPHA ARRIVAL (LAVAX 1A)
ATVIX: (A464)	<u>FROM ATVIX TO LAVAX</u> TRACK 297° FROM ATVIX TO IKIMA, THEN TRACK 291° TO IBULA. CROSS IBULA AT OR BELOW F180. AT IBULA, TRACK 335° TO LAVAX. CROSS LAVAX AT MAX IAS 250KTS THEN FOLLOW APPROPRIATE LAVAX ARRIVAL.	AT LAVAX TRACK 266° TO IGNON AND THEN TO SANAT. CROSS IGNON AT OR ABOVE 7 00FT OR AS DIRECTED BY ATC. CROSS SANAT AT OR ABOVE 4 000FT AT MAX IAS 220KTS. FROM SANAT, EXPECT RADAR VECTORS FOR ILS APPROACH RWY02.
AKTOD: (A576)	<u>FROM AKTOD TO LAVAX</u> TRACK 316° FROM AKTOD TO IKIMA, THEN TRACK 291° TO IBULA. CROSS IBULA AT OR BELOW F180. AT IBULA, TRACK 335° TO LAVAX. CROSS LAVAX AT MAX IAS 250KTS THEN FOLLOW APPROPRIATE LAVAX ARRIVAL.	
GOBIK:	<u>FROM GOBIK TO LAVAX</u> TRACK 283° FROM GOBIK TO IKIMA, THEN TRACK 291° TO IBULA. CROSS IBULA AT OR BELOW F180. AT IBULA, TRACK 335° TO LAVAX. CROSS LAVAX AT MAX IAS 250KTS THEN FOLLOW APPROPRIATE LAVAX ARRIVAL.	
TOMAN:	<u>FROM TOMAN TO LAVAX</u> TRACK 233° FROM TOMAN TO KARTO. AT KARTO, TURN RIGHT TRACK 269° TO KEXAS THEN TO LAVAX. CROSS KEXAS AT OR BELOW F160 THEN FOLLOW APPROPRIATE LAVAX ARRIVAL.	

(B) RADIO COMMUNICATIONS FAILURE PROCEDURE

1	SET TRANSPONDER TO MODE A/C CODE 7600
2	When cleared via LAVAX 1A by Singapore ATC (a) Maintain last assigned flight level or altitude and proceed on LAVAX 1A to SANAT, then direct to SAMKO (b) From SAMKO commence descent and carry out appropriate landing procedure for RWY 02 as close as possible to EAT or ETA (c) If unable to effect a landing, refer to Singapore AIP for missed approach procedure
3	No clearance or instruction received from Singapore ATC - refer to Singapore AIP for radio communications failure procedure

(C) RADIAL AND DME FROM VOR/DME

WAY POINTS	VTK VOR/DME	SJ VOR/DME
AKTOD	VTK R-132.7/D161.1	SJ R-127.2/D161.4
ATVIX	VTK R-121.5/D157.0	SJ R-116.1/D160.3
GOBIK	VTK R-109.0/D259.3	SJ R-106.0/D265.5
IBULA	VTK R-134.5/D48.7	SJ R-116.8/D50.2
IGNON	VTK R-144.1/D19.8	SJ R-101.8/D22.2
IKIMA	VTK R-127.6/D67.9	SJ R-115.1/D70.5
KARTO	VTK R-098.3/D93.5	SJ R-091.1/D102.6
KEXAS	VTK R-107.2/D49.2	SJ R-093.0/D57.2
LAVAX	VTK R-120.1/D30.0	SJ R-095.5/D36.2
SAMKO	VTK R-203.5/D21.1	SJ R-168.0/D8.0
SANAT	VTK R-186.1/D17.1	SJ R-123.7/D9.9
TOMAN	VTK R-091.7/D106.2	SJ R-085.9/D116.5