

STANDARD ARRIVAL CHART - INSTRUMENT (STAR)

TRANSITION ALTITUDE
8000'
TRANSITION LEVEL
ATC

RADAR APP S 124.50 TWR E 118.60
E 124.50 W 118.10
W 123.70 ATIS 126.20
DIR 121.40 115.20
ACC N 126.70 SMC 121.90

JOHANNESBURG
(O.R. TAMBO INTERNATIONAL)
RNAV (GNSS) RWY 21L
AVAGO 1D

ELEV, ALT & HGT IN FEET
DIST IN NM
BRG ARE MAG
VAR 18°W (2010)

AVAGO
25°43'09.90"S
027°26'39.36"E
R320/50DME JSV

8400
8400

MSA 25 NM
FAOR ARP

- SPEED RESTRICTION**
1. Pass AVAGO 250KT IAS or less.
 2. Pass JS033 210KT IAS or less.
 3. On LOC maintain 180KT IAS until 10 DME.

- NOTE**
1. If unable to comply with SID or STAR, notify ATC.
 2. SIDs and STARs must be announced in operation on ATIS.
 3. SIDs and STARs only in force when Surveillance Radar is in operation.
 4. General Aviation Traffic operates below the TMA up to 7500' ALT and is considered separated from traffic operating in the TMA.

AVAGO 1D, RWY 21L Leave AVAGO for JS033. At JS033 turn left to JS034 for radar vectoring onto the ILS LOC RWY 21L.

COMMUNICATION FAILURE PROCEDURE (Squawk 7600)

Before AVAGO: Proceed to AVAGO and enter the AVAGO RNAV (GNSS) hold. Hold at last assigned level for minimum 5 MIN then descend to FL130 in the hold or maintain last assigned level if below FL130. Leave AVAGO on the "After AVAGO" Communication Failure Procedure.

After AVAGO: Continue on the AVAGO 1D RNAV (GNSS) STAR. At JS034 proceed to UVLOG and continue on the RNAV (GNSS) RWY 21L and intercept the ILS LOC RWY 21L and land RWY 21L.

Note: Aircraft entering the TMA at FL 110 and below are to enter the AVAGO RNAV (GNSS) hold at last assigned level and continue on the routing for the AVAGO 1D STAR.

Caution: Holding patterns below FL110 will be conducted outside of controlled airspace. Pilots to take note of the appropriate FADs, FAPs, FARs as well as the Magalies Glider Window (FL110 - FL145).

In the event of a missed approach with the intention of diverting to an alternate aerodrome, proceed as follows:

- To the North and North-West: Follow the routing for the VASUR 3B SID.
- To the North-East: Follow the routing for the EGMEN 2B SID (Jet ACFT) or EXOBI 3B SID (Turboprop ACFT).
- To the South-East: Follow the routing for the APDAK 2B SID.
- To the East and South-East: Follow the routing for the RAGUL 3B SID.

CHANGE: SPEED RESTRICTION BLOCK

RNAV (GNSS) ARRIVAL FROM AVAGO TO FAOR RWY 21L					
FIX/WAYPOINT	LATITUDE	LONGITUDE	COURSE (°T)	DISTANCE (NM)	PATH TERMINATOR
AVAGO	25°43'09.90"S	027°26'39.36"E	121.8	39.8	TF
JS033	26°04'07.72"S	028°04'16.26"E	015.5	7.0	TF
JS034	25°57'20.19"S	028°06'21.02"E	048.2	6.0	TF
UVLOG	25°53'18.64"S	028°11'19.61"E			

* Communication Failure Way Point

ENR HOLDING			
FACILITY	INBOUND HEADING/RADIAL	MAX FL	FACILITY
AVAGO 25°43'09.90"S 027°26'39.36"E R320/50 DME JSV	140°M/R320	FL280 FL110	Left hand racecourse pattern. 13NM outbound leg.

CHANGE: Location Indicator FAOR