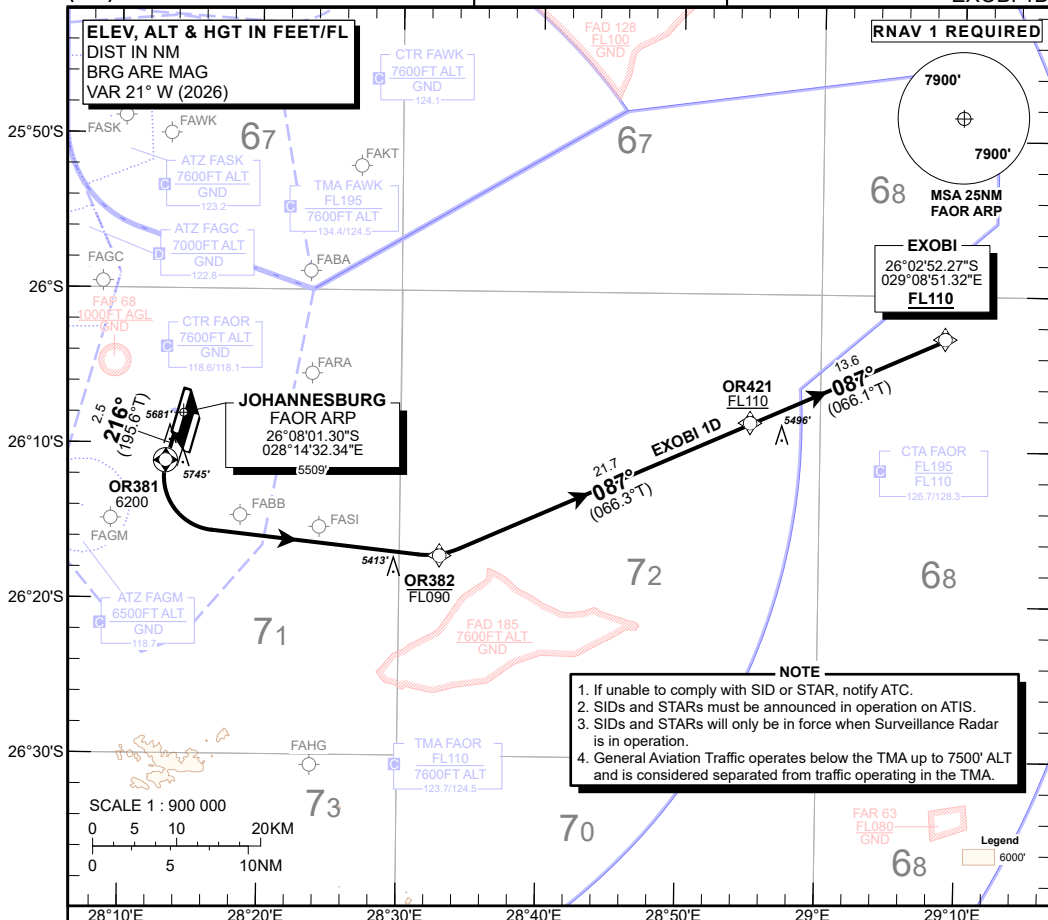


STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITIONAL ALTITUDE
8000'
TRANSITIONAL LEVEL
ATC

RADAR APP S: 124.50 TWR E: 118.60
E: 124.50 W: 118.10
W: 123.70 ATIS: 126.20
DIRECTOR: 121.40 SMC: 121.90
ACC NE: 134.40 ACC NW: 126.70

JOHANNESBURG
(O.R. TAMBO INTL)
(FAOR)
RNAV (GNSS) RWY 21R
EXOB1 1D



- 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 will only be 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.

**EXOB1 1D:
RWY 21R**

Climb to FL110. To OR381 on course 216°M, turn left direct to OR382 at or below FL090, turn left to OR421 at or above FL110, to EXOB1 at or above FL110. At EXOB1, set course as per flight plan.

Restricted to a minimum climb gradient of 4.1%, until reaching CTR BDRY.

**4.1% @ 140KT IAS = 582 FPM
4.1% @ 180KT IAS = 748 FPM
4.1% @ 220KT IAS = 914 FPM**

Note: This procedure is CO-DEPENDENT on the IBGUB 1B RNAV (GNSS) STAR RWY 21L procedure which needs to be published in order for the EXOB1 1D RNAV (GNSS) SID RWY 21R Communication Failure Procedure to be valid.

COMMUNICATION FAILURE PROCEDURE (Squawk 7600)

Comply with the **EXOB1 1D RNAV (GNSS) SID RWY 21R**. At EXOB1 set course as per flight plan and climb to flight plan level.

Aircraft wishing to return to FAOR must continue as per the EXOB1 1D RNAV (GNSS) SID to EXOB1. At EXOB1 proceed to IBGUB and enter the IBGUB 1B RNAV (GNSS) hold at **FL110**. Hold for 5 minutes. Thereafter, comply with the "After IBGUB" IBGUB 1B RNAV (GNSS) STAR Communication Failure Procedure.

CHANGE: New Procedure