

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

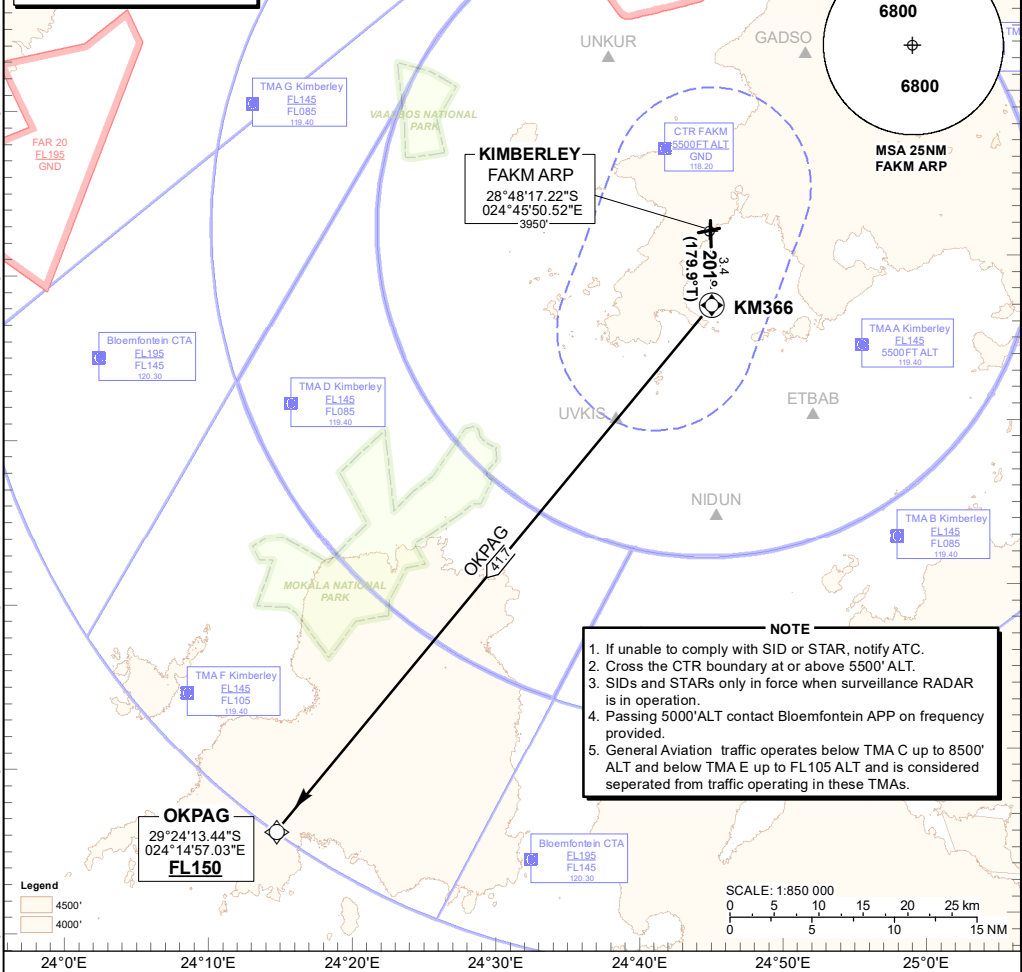
TRANSITIONAL ALTITUDE
7000'
TRANSITIONAL LEVEL
ATC

KIMBERLEY TWR: 118.20
APN: 122.65
APP: 119.40
BLOEMFONTEIN APP: 124.30

**KIMBERLEY
RNAV (GNSS) RWY 20
OKPAG 1B**

ELEV, ALT & HGT IN FEET
DIST IN NM
BRG ARE MAG
VAR 22°W (2020)

RNAV 1 REQUIRED



**OKPAG 1B:
RWY 20**

Climb to FL150. Maintain RWY track 201°M to KM366. At KM366 turn right direct to OKPAG.

Restricted to a minimum climb gradient of 4.1% .

4.1% @ 140KT IAS = 582 FPM
4.1% @ 160KT IAS = 665 FPM
4.1% @ 180KT IAS = 748 FPM
4.1% @ 200KT IAS = 831 FPM
4.1% @ 220KT IAS = 914 FPM

COMMUNICATION FAILURE PROCEDURE (Squawk 7600)

Comply with the OKPAG 1B RNAV (GNSS) SID. At OKPAG climb to flight plan level and set course as per flight plan.

Aircraft wishing to return to FAKM must continue as per the OKPAG 1B SID. At OKPAG turn right to IBKEL. At IBKEL comply with the IBKEL 1B RNAV (GNSS) STAR RWY 20 Communication Failure Procedure.

CHANGE: NEW Procedure

RNAV (GNSS) DEPARTURE FROM FAKM RWY 20 TO OKPAG													
Serial Number	Path Descriptor	Waypoint Identifier	Latitude	Longitude	Flyover	Turn Direction	Bearing °M (°T)	Distance (NM)	Altitude (FT)	Speed (KT IAS)	VPA/TCH	Magnetic Variation	Navigation Specification
10	IF	KM2DR	28°49'16.2926"S	024°45'54.6437"E	-	-	-	-	-	-	-	21.76	RNAV 1
20	CF	KM366	28°52'43.5019"S	024°45'55.1982"E	Y	R	201 (179.87)	3.44	-	-	-	21.76	RNAV 1
30	DF	OKPAG	29°24'13.4422"S	024°14'57.0255"E	-	-	-	41.70	+15000	-	-	21.76	RNAV 1
40	TF	IBKEL	29°07'58.9157"S	023°59'33.9043"E	-	-	342 (320.35)	21.06	-	-	-	21.76	RNAV 1

* Communication Failure Waypoint

* RNAV 1 REQUIRED

CHANGE: NEW