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**BUREAU NOTAM INTERNATIONAL
DE L'AFRIQUE CENTRALE**

B.P. 660 BRAZZAVILLE - CONGO

CAMEROUN – CENTRAFRIQUE – CONGO – GABON – GUINEE ÉQUATORIALE – SAO TOME – TCHAD

AIRAC AIP SUP

NR 81/A/25FC

04 SEP 2025

SAO TOME/INTERNATIONAL - FPST

IMPLEMENTATION OF PERFORMANCE BASED NAVIGATION (PBN) PROCEDURES AT SAO TOME INTERNATIONAL AIRPORT-FPST

Effective date	30 OCT 2025
Validity	PERM

Ce supplément a pour objectif d'informer les usagers de la mise en œuvre des nouvelles procédures de vols PBN de l'aérodrome de Sao Tomé.

This supplement is published to inform users of the update of new flight PBN procedures of Sao Tomé aerodrome.

1. INTRODUCTION

Performance-Based Navigation (PBN) procedures for São Tomé International Airport have been implemented in accordance with ICAO Doc 9613 to enhance safety, efficiency, and accessibility.

2. PROCEDURES IMPLEMENTED

2.1 Conventional Approach

VOR/DME RWY 29

IAF/IF: LISUP – At or above 2500ft

IAF: TELKO – At or above 2500ft

FAF: 2000ft

MAPt: RW29 Threshold (Elev. 16ft)

Missed Approach: Turn right immediately and follow magnetic route 105° climbing to intercept and follow 060° to STM to TELKO at or above 2500ft, or as instructed by ATC.

2.2 PBN Approaches

RNP RWY 29:

IAFs: PODSU (At or above 2500ft, max IAS 230kt), EVDEK (At or above 3800ft, max IAS 230kt),

TUPEB (At or above 2500ft, max IAS 230kt)

IF: LISUP – At or above 2500ft

FAF : ST510 – 2000ft

- MAPt: RW29 Threshold
- Missed Approach: Turn right, climb to PODSU at or above 2500ft or as instructed by ATC.

Note: Baro-VNAV not authorized below +10°C.

RNP RWY 29

TRST ID	PATH Descriptor	WPT ID	F/O	Course °M (°T)	MAG Variation	Distance NM	Turn	ALT	Speed (KT)	VPA/ TCH (°/m)	Navigation Specification
TRANSITION FROM PODSU											
010	IF	PODSU	-	-	-	-	-	+2500	-230	-	RNP APCH
020	TF	LISUP	-	195 (193.4)	-	6.0	-	+2500	-	-	RNP APCH
TRANSITION FROM TUPEB											
010	IF	TUPEB	-	-	-	-	-	+2500	-230	-	RNP APCH
020	TF	LISUP	-	285 (283.4)	-	6.0	-	+2500		-	RNP APCH
TRANSITION FROM EVDEK											
010	IF	EVDEK	-	-	-	-	-	+3800	-230	-	RNP APCH
020	TF	LISUP	-	015 (013.4)	-	6.0	-	+2500		-	RNP APCH
TRANSITION FROM LISUP											
010	IF	LISUP	-	-	-	-	-	+2500		-	RNP APCH
020	TF	ST510	-	285 (283.4)	-	5.6	-	@2 000		-	RNP APCH

030	TF	RW29	Y	285 (283.4)	-	6.1	-	@66		3.0/15	RNP APCH
TRANSITION FROM RWY29											
010	IF	RWY29	-	-	-	-	-	-			RNP APCH
020	DF	PODSU	Y	100 (097.6)	-	-	R	+2500	-230	-	RNP APCH
010	IF	TUPEB	-	-	-	-	-	+2500	-230	-	RNP APCH
020	HM	TUPEB	Y	285 (283.4)	-	-	L	+2500	-230	-	RNP APCH

WAYPOINT INFORMATION

NAVAID / Fix / WPT	Fix type	IDENT	COORDINATES
WPT	IAF	PODSU	002541.10N 0065602.50E
WPT	IAF and holding fix	TUPEB	001825.10N 0070028.40E
WPT	IAF	EVDEK	001357.40N 0065315.40E
WPT	IF	LISUP	001949.20N 0065438.90E
WPT	FAF	ST510	002108.30N 0064910.40E
WPT	MAPt	RW29	002233.50N 0064316.40E

2.3 Standard Instrument Departures (SID)

RWY 11 (min climb gradient 3.3%) : POMEX 1C, MOPIX 1C, AGRUB 1C, ONLEN 1C

RWY 29 (min climb gradient 5.6% until 1300ft and then, 3.3%): POMEX 1D, MOPIX 1D, AGRUB 1D, ONLEN 1D

ILLUSTRATIVE CODING RWY11

POMEX 1C

Serial Nr	Path Descriptor	WPT ID	F/O	Course °M(°T)	MAG Variation	Distance (NM)	Turn	ALT	Speed Limit (Kt)	Navigation Specification
010	CF	ST420	-	105 (103.4)	-2.0	5.0	-		-265	RNP 1
020	TF	ST421	-	015 (013.4)	-	12.0	L		-	RNP 1
030	TF	POME X	-	296 (293.8)	-	41.2	L		-	RNP 1

MOPIX 1C

Serial Nr	Path Descriptor	WPT ID	F/O	Course °M(°T)	MAG Variation	Distance (NM)	Turn	ALT	Speed Limit (Kt)	Navigation Specification
010	CF	ST420	-	105(103.4)	-2.0	5.0	-		-265	RNP 1
020	TF	ST421	-	015(013.4)	-	12.0	L		-	RNP 1
030	TF	MOPIX	-	009(007.1)	-	28.1	L		-	RNP 1

AGRUB 1C

Serial Nr	Path Descriptor	WPT ID	F/O	Course °M(°T)	MAG Variation	Distance (NM)	Turn	ALT	Speed Limit (Kt)	Navigation Specification
010	CF	ST420	-	105 (103.4)	-2.0	5.0	-		-265	RNP 1
020	TF	AGRUB	-	089 (086.7)	-	77.1	L		-	RNP 1

ONLEN 1C

Serial Nr	Path Descriptor	WPT ID	F/O	Course °M(°T)	MAG Variation	Distance (NM)	Turn	ALT	Speed Limit (Kt)	Navigation Specification
010	CF	ST420	-	105 (103.4)	-2.0	5.0	-		-265	RNP 1
020	TF	ONLEN	-	148 (145.9)	-	149.7	R		-	RNP 1

WAYPOINT INFORMATION

NAVAID / Fix / WPT	Fix type	IDENT	COORDINATES
WPT	DWP	POMEX	004948.40N 0061314.80E
WPT	DWP	MOPIX	010108.30N 0065422.50E
WPT	DWP	AGRUB	002549.00N 0080500.00E
WPT	DWP	ONLEN	014313.00S 0081149.00E
WPT	DWP	ST420	002123.40N 0064807.70E
WPT	DWP	ST421	003307.10N 0065054.80E

ILLUSTRATIVE CODING RWY29

POMEX 1D

Serial Nr	PATH Descriptor	WPT ID	F/O	Course °M (°T)	Mag Variation	Distance NM	Turn	ALT	Speed (KT)	Navigation Specification
010	CF	ST410	-	285 (283.4)	-2.0	5.0	-	-	-265	RNP 1
020	TF	ST411	-	015 (013.4)	-	12.0	R	+FL080	-	RNP 1
030	TF	POMEX	-	300 (297.5)	-	30.3	L	-	-	RNP 1

MOPIX 1D

Serial Nr	PATH Descriptor	WPT ID	F/O	Course °M (°T)	Mag Variation	Distance NM	Turn	ALT	Speed (KT)	Navigation Specification
010	CF	ST410	-	285(283.4)	-2.0	5.0	-		-265	RNP 1
020	TF	ST411	-	015(013.4)	-	12.0	R	+FL080	-	RNP 1
030	TF	MOPIX	-	031(029.5)	-	29.1	R		-	RNP 1

AGRUB 1D

Serial Nr	PATH Descriptor	WPT ID	F/O	Course °M (°T)	Mag Variation	Distance NM	Turn	ALT	Speed (KT)	Navigation Specification
010	CF	ST410	-	285(283.4)	-2.0	5.0	-	-	-265	RNP 1
020	TF	ST411	-	015(013.4)	-	12.0	R	+FL080	-	RNP 1
030	TF	ST412	-	105(103.4)	-	15.4	R	-FL090	-	RNP 1
040	TF	ST413	-	105(103.4)	-	13.0	-	-	-	RNP 1
050	TF	AGRUB	-	095(093.2)	-	57.5	L	-	-	RNP 1

ONLEN 1D

TRST ID	PATH Descriptor	WPT ID	F/O	Course °M (°T)	Mag Variation	Distance NM	Turn	ALT	Speed (KT)	Navigation Specification
010	CF	ST410	-	285(283.4)	-2.0	5.0	-	-		RNP 1
020	TF	ST411	-	015(013.4)	-	12.0	R	+FL080		RNP 1
030	TF	ST412	-	105(103.4)	-	15.4	R	-FL090		RNP 1
040	TF	ST413	-	105(103.4)	-	13.0	-	-		RNP 1
050	TF	ST414	-	175(173.3)	-	8.0	R	-FL100		RNP 1
060	TF	ST415	-	175(173.3)	-	15.7	-	-		RNP 1

070	TF	ONLEN	-	152(150.4)	-	124.4	L	-		RNP 1
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WAYPOINT INFORMATION

NAVAID / Fix / WPT	Fix type	IDENT	COORDINATES
WPT	DWP	POMEX	004948.40N 0061314.80E
WPT	DWP	MOPIX	010108.30N 0065422.50E
WPT	DWP	AGRUB	002549.00N 0080500.00E
WPT	DWP	ONLEN	014313.00S 0081149.00E
WPT	DWP	ST410	002359.50N 0063719.20E
WPT	DWP	ST411	003543.20N 0064006.30E
WPT	DWP	ST412	003207.60N 0065501.90E
WPT	DWP	ST413	002905.30N 0070739.20E
WPT	DWP	ST414	002106.30N 0070835.30E
WPT	DWP	ST415	000527.20N 0071025.30E

2.4 Standard Arrival Routes (STAR)

RWY 29

KIMKI 1A: KIMKI → ST610 (+FL090) → PODSU (+2500ft, max IAS 230kt)

GALSA 1A: GALSA → ST611 (-FL080) → PODSU (+2500ft, max IAS 230kt)

MOSIM 1A: MOSIM → ST612 (-FL090) → TUPEB (+2500ft, max IAS 230kt)

KIMKI 1A

TRST ID	PATH Descriptor	WPT ID	F/O	Course °M (°T)	Mag Variation	Distance NM	Turn	ALT	Speed (KT)	Navigation Specification
010	IF	KIMKI	-	-	-	-	-	-	-	RNP 1
020	TF	ST610	-	112(109.9)	-	36.3	-	+FL090	-	RNP 1
030	TF	PODSU	-	105(103.4)	-	15.0	L	+2500	-230	RNP 1

GALSA 1A

TRST ID	PATH Descriptor	WPT ID	F/O	Course °M (°T)	Mag Variation	Distance NM	Turn	ALT	Speed (KT)	Navigation Specification
010	IF	GALSA	-	-	-	-	-	-	-	RNP 1
020	TF	ST611	-	195(193.4)	-	22.1	-	-FL080	-	RNP 1
030	TF	PODSU	-	195(193.4)	-	10.0	-	+2500	-230	RNP 1

MOSIM 1A

TRST ID	PATH Descriptor	WPT ID	F/O	Course °M (°T)	Mag Variation	Distance NM	Turn	ALT	Speed (KT)	Navigation Specification
010	IF	MOSIM	-	-	-	-	-	-	-	RNP 1
020	TF	ST612	-	285(283.4)	-	10.0	-	-FL080	-	RNP 1
030	TF	TUPEB	-	285(283.4)	-	11.7	-	+2500	-230	RNP 1

WAYPOINT INFORMATION

NAVAID / Fix / WPT	Fix type	IDENT	COORDINATES
WPT	AWP	KIMKI	004135.90N 0060729.20E
WPT	AWP	GALSA	005701.60N 0070329.10E
WPT	AWP	MOSIM	001320.60N 0072133.50E
WPT	AWP	ST610	002910.70N 0064131.50E
WPT	AWP	ST611	003527.50N 0065821.70E
WPT	AWP	ST612	001540.80N 0071151.00E
WPT	IAF	PODSU	002541.10N 0065602.50E
WPT	IAF	TUPEB	001825.10N 0070028.40E

3. OPERATIONAL REQUIREMENTS

- All PBN operations shall comply with published minima and ATC clearances.
- Aircraft and operators must hold PBN operational approval from their State of Registry.
- Pilots shall ensure that navigation databases are current, valid, and sourced from an approved supplier.
- Continuous monitoring of navigation system performance is required during PBN operations

4. CHARTS

The following instrument flight procedure charts are attached to this Supplement:

- VOR/DME RWY 29
- RNP RWY 29
- RNAV SID RWY 11 (POMEX 1C, MOPIX 1C, AGRUB 1C, ONLEN 1C)
- RNAV SID RWY 29 (POMEX 1D, MOPIX 1D, AGRUB 1D, ONLEN 1D)
- RNAV STAR RWY 29 (KIMKI 1A, GALSA 1A, MOSIM 1A)

FPST AD 2.24 CHARTS RELATED TO SAO TOME/International

AIP SAO TOME	NEW CHARTS INSERTION New edition of IFR flight procedures in SAO TOME aerodrome.	CHARTS WITHDRAWAL The following chart will be withdrawn to SAO TOME AIP
	– RNP RWY 29 – RNAV SID RWY 11 (POMEX 1C, MOPIX 1C, AGRUB 1C, ONLEN 1C) – RNAV SID RWY 29 (POMEX 1D, MOPIX 1D, AGRUB 1D, ONLEN 1D) – RNAV STAR RWY 29 (KIMKI 1A, GALSA 1A, MOSIM 1A)	INSTRUMENT APPROACH CHART-ICAO – DVOR/DME RWY 29 INSTRUMENT APPROACH CHART-ICAO – LOCATOR RWY 29

***CE SUP AIP COMPORTE 08 PAGES ET 05 ANNEXES /
THIS AIP SUP HAS 08 PAGES AND 05 ANNEXES***

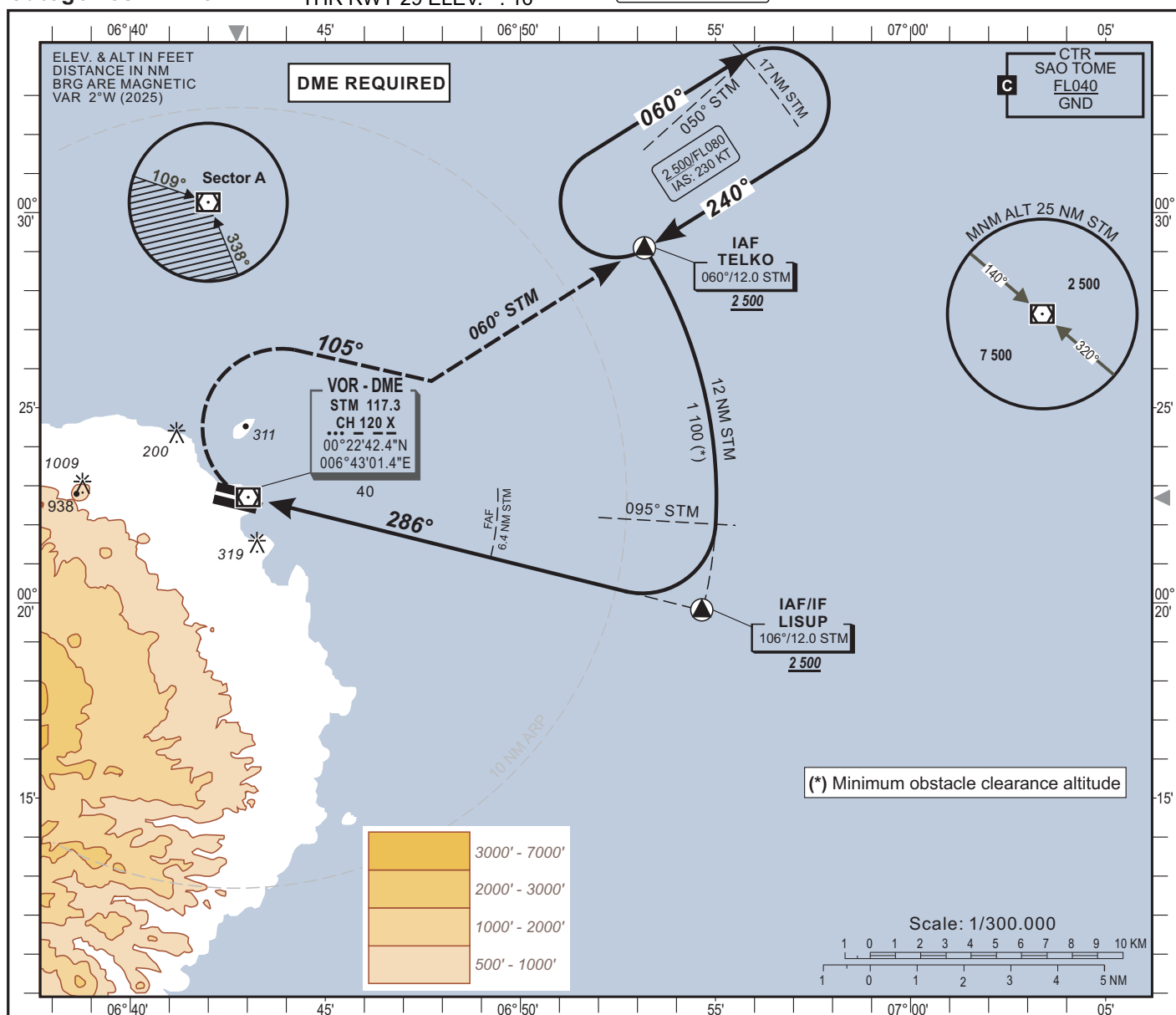
INSTRUMENT
APPROACH CHART
Categories A-B-C-D

AERODROME ELEV. : 39
HEIGHTS RELATED TO
THR RWY 29 ELEV. : 16

APP 127.5
TWR 118.9
GND

SAO TOME /Intl (FPST)

VOR RWY 29



TO STM DME (NM)	THR29	2	3	4	5	6	FAF
ALTITUDE (FT)		610	925	1 245	1 560	1 880	2 000

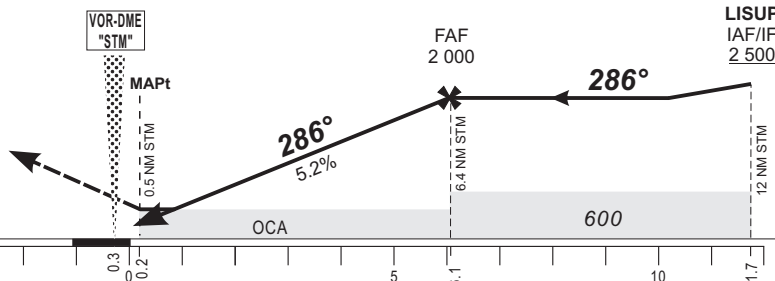
Transition Altitude - 4 000

MISSED APPROACH:

Turn right immediately and follow magnetic route 105° climbing to intercept and follow 060° STM to TELKO at or above 2 500 ft or as instructed by ATC.
Do not turn before the MAPt.

THR ELEV. 16

RWY 29



OCA(OCH)	A	B	C	D	Ground speed (kt)	kt	70	90	100	120	140	160
	-	-	-	-	Rate of descent (ft/min)	ft/min	370	475	530	630	740	845
VOR-DME	460 (440)				Timing FAF-MAPt (**)	min:sec	5:03	3:56	3:32	2:57	2:32	2:13
CIRCLING (*)	550 (510)	610 (570)	890 (850)	890 (850)								

Notes:

- (*) Day time only. OCH AAL. Within sector A (see plan view)
- (**) Timing not authorized for defining MAPt.

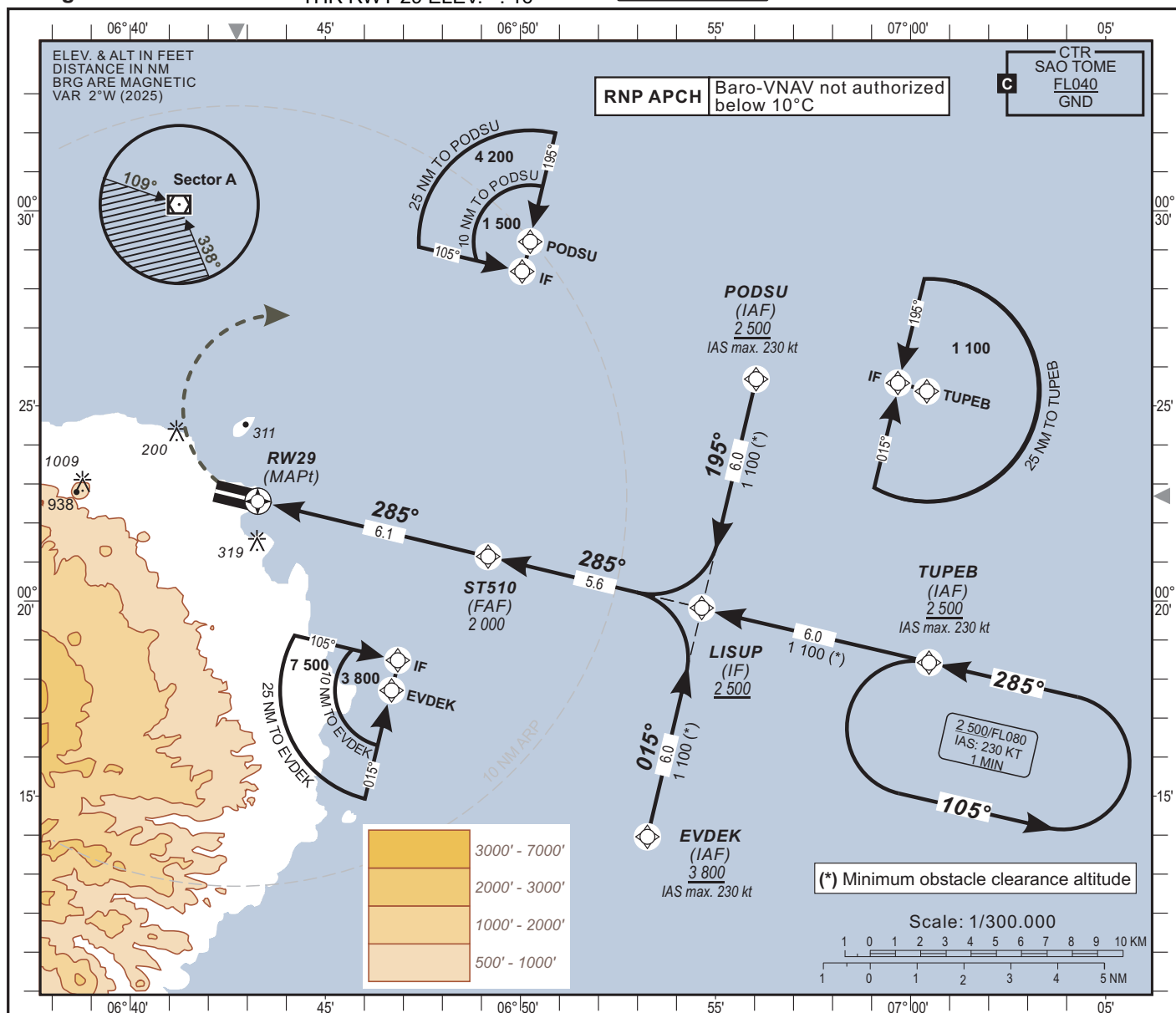
INSTRUMENT APPROACH CHART Categories A-B-C-D

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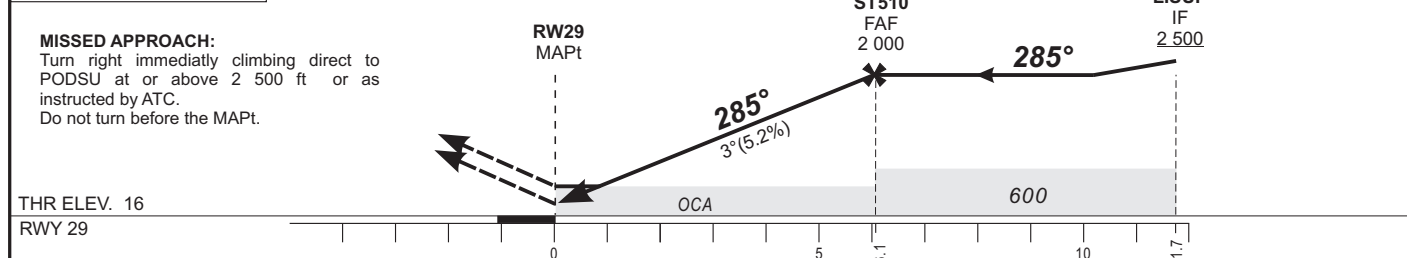
SAO TOME /Intl (FPST)

RNP RWY 29



TO RW29 (NM)	RW29	2	3	4	5	6	FAF
ALTITUDE (FT)		700	1 010	1 330	1 640	1 960	2 000

Transition Altitude - 4 000



OCA(OCH)	A	B	C	D	Ground speed (kt)	kt	70	90	100	120	140	160
LNAV/VNAV	370 (350)	380 (360)	390 (370)	400 (380)	Rate of descent (ft/min)	ft/min	370	475	530	630	740	845
LNAV	400 (380)				Timing FAF-MAPt (**)	min:sec	5:14	4:04	3:40	3:03	2:37	2:17
CIRCLING (*)	550 (510)	610 (570)	890 (850)	890 (850)								

Notes:

- RDH 15 m;
- (*) Day time only. OCH AAL. Within sector A (see plan view)
- (**) Timing not authorized for defining MAPt.

