

APIRG/15 LIST OF AIR NAVIGATION DEFICIENCIES IN THE AFI REGION

State	Air Navigation Field	Requirements	Facilities or Services	Description of Deficiency	Date first reported	Comments on Deficiency	Description of Corrective action	Executing Body	Target date for implementation	Priority
1	2	3	4	5	6	7	8	9	10	11
Angola										
	<i>AIS</i>									
		Annex 4, 3.2 and 13.2 AFI/7 Rec. 12/31	ICAO Mandatory Charts	Non-availability of the ICAO Aerodrome Chart and the ICAO Aerodrome Obstacle Chart - Type A for Huambo	1990	Lack of charts affects safety	Publish these Charts for Luanda and Huambo	Angola	15-Jun-06	U
	<i>AOP</i>			and Luanda						
		Pavement strength AFI/7 Conc. 4/4 and 4/10 Annex 14 Vol. I para 2.5.1 - 2 6 8	Luanda	<p>1-Parallel txyw to Rwy 23 required.</p> <p>2-Runway needs resurfacing.</p> <p>3-Runway shoulders and clear-way need stabilizing.</p> <p>4- Apron uneven.</p>	1998	Delays inevitable. Aircraft vibrating at take-off and landing. FOD risks.	Develop master plan and corresponding financial investment required.		<p>1-A new Twy "E" done from RWY 23 to apron 2011.</p> <p>2- there is a project to the RWY 23 until the end of 2020</p> <p>3- The shoulders were marked and the CWY is included in the project referred to above (point "2")</p> <p>4- leveling works were done at the apron from 2017</p>	A

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		Bird Hazard control and reduction, AFI/7 Conc. 4/2 and 4/7; Annex 14 vol.I, para.9.4.1 - 9.4.4	Luanda	Inadequate bird hazard control.	1998	1-Grain seeds available close to aircraft manoeuvring areas. 2-Slum development close to airport.	Control measures to be implemented and monitored. Land use plan for airport environs required.	ENANA	1-Airport have fixed and mobile sound Equipment for bird dispersal, since 2012. The airport has also grass cutting program 2-XXXX	A
		Aerodrome certification Annex 14, Vol.I, Para 1.4.1 - 1.4.6	Luanda, Huambo	Procedures for aerodrome certification not in place.	2004	The development of procedures have not started.	Develop the procedures and implement requirement	DCA	2004 INAVIC	U
		Emergency plan; Annex 14 vol.I para. 9.1.1 - 9.1.15	Luanda	1-No aerodrome emergency plan. No grid map available. Emergency 2-exercises not conducted.	1995	ICAO guidance material cannot be used due to language problems.	Develop an emergency plan. Conduct a full scale emergency exercise.	ENANA	1-Emergency plan with grid map available since July 2018. 2-last full scale emergency exercise realized at December 2017	U
		Power supply; AFI Conc. 4/2 and 4/8; Annex 14 Vol. 1 para. 8.1.1 - 8.1.5	Luanda	Primary power supply unreliable.	1995	Although substantial backup system in place, reliability of power supply still precarious.	Negotiate with primary power supply company for reliability.	ENANA	The Primary power supply is already reliable. There are two backup units (generators and ups).	A
	ATM									
		AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474	RNAV UM731	-	1996	Aircraft subjected to fly non-economical routes	States concerned to coordinate common implementation date	Angola-BotswanaCentral African Republic-Congo(DRC)-ChadLibya-Niger-South Africa-Zambia	15-Jun-06	A

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		AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474	RNAV UM998	Gaborone- MaunLuena-Kinshasa	1996	Aircraft subjected to fly non-economic routes	States concerned to coordinate common implementation dates	Angola-Botswana- D. R. Congo	15-Jun-06	A
		AFI/7 Rec.5/21	Provision of ATC 150 NM concept	Non-provision of ATC service 150 NM of Huambo	1998	Steep descent for arrival and steep climb for departure.	Implement as required.	Angola	15-Jun-06	U
	<i>CNS</i>									
		Nav aids AFI/7, Rec. 10 / 4	Luena	VOR/DME	1998	Not implemented	Implement facility	ENANA		U
		AMS AFI/7 Rec. 9/12	Luanda FIC	HF poor quality and unavailable in oceanic area	2004	Improve facilities	Install adequate equipment	ENANA		U
		AFTN Plan, AFI/7 Rec. 9/7	Luanda AFTN centre	Circuit Luanda/Brazzaville	1998	Not implemented	To implement VSAT	Angola, ASECNA		U
		ATS Direct Speech Circuits Plan, AFI/7 Rec. 9/9	Luanda FIC	Circuit Luanda/Accra	1998	Inmarsat phone used from Luanda. Inmarsat Phone also available in Accra	VSAT under consideration	Angola, Ghana		U
		ATS Direct Speech Circuits Plan, AFI/7 Rec. 9/9	Luanda FIC	Circuit Luanda/Atlantico	1998	Not implemented	Implement circuit	Angola, Brazil		A
		ATS Direct Speech Circuits Plan, AFI/7 Rec. 9/9	Luanda FIC	Circuit Luanda/Brazzaville	1998	PSTN used via Inmarsat	To implement LTF circuit	Angola, ASECNA		A
		AMS AFI/7 Rec. 9/12	Luanda ACC	Inadequate VHF coverage of busy ATS routes	1998	Implement remote VHF stations	5 VHF stations to be installed	ENANA		U
		Nav aids AFI/7, Rec. 10 / 4	Cuito Cuanavale	VOR/DME	1998	Not implemented	Implement facility	ENANA		U

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		Nav aids AFI/7, Rec. 10 / 4	Huambo	VOR/DME	1998	Not implemented	Implement facility	ENANA		A
		Nav aids AFI/7, Rec. 10 / 4	Kuito	VOR/DME	1998	Not implemented	Implement facility	ENANA		A
		Nav aids AFI/7, Rec. 10 / 4	Saurimo	VOR/DME	1998	Not implemented	Implement facility	ENANA		U
	<i>MET</i>									
		Requirement to provide aerodrome forecasts (AFI FASID Table MET 1 A)	Angola/Luanda 4 de Fevereiro	TAF of Luanda not regularly available	2003	Advice given by correspondence	Improve reliability of telecomm equipment	INAMET and ENANA	2005	A
	<i>SAR</i>									
		This State has no deficiencies in this field.								