## A-1 APPENDIX A

## SHORTCOMINGS/DEFICIENCIES IN THE AIR TRAFFIC MANAGEMENT FIELD (Ref. Air Navigation Plan - Africa-Indian Ocean Region (Doc 7474) PART V - AIR TRAFFIC MANAGEMENT (ATM)

Identification		Shortcomings/deficiencies				Corrective action			
Requirements	States/ facilities	Description	Date first reported	Status	Comments	Description	Executing body	Target date for implementation	Priority for action
1	2	3	4	5	6	7	8	9	10
ALGERIA	Alger FIR								
AFI/7 Rec.5/8 and Table ATS 1 AFI ANP	Route UA293	(Ibiza) KIRLA Tiaret	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Algeria	17/05/2001	A
Doc.7474/27						1			
"	Route UA865	Menorca Cherchell	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Algeria	"	A
"	Route UG623	(BALEN) Annaba Tebessa Ghadames	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Algeria Libya		A
"	RNAV UM999	Casablanca Errachidia El Golea zarzaitine Sebha Sarir New Valley Luxor Jeddah	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Algeria Egypt Libya Morocco Saudi Arabia		A

AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UR981	Casablanca Marrakech BULIS Gao Niamey Lagos	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Mali Mauritania Morocco Niger Nigeria	17/05/2001	A
"	Route UR986	Tunis Ghadames )* segment In Amenas ) Djanet ) Kano Foumban Yaoundé France Ville	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Algeria Libya		A
AFI/7 Rec.5/1	Airspace management	Prohibited area - P60	1990	D	Non-availability of direct routing	Withdraw the prohibited area	Algeria	"	А
Annex 11 Appendix 2	Five letter name code	Route crossings not identified	1998	D	Difficulties for Pilots identifying potential traffic conflicts	ICAO Regional Office concerned allocate the 5 letter name codes	Algeria	"	A
ANGOLA	Luanda FIR								
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UA617	<del>Kinshasa</del> <del>Windhoek</del>	<del>1994</del>	\$	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Angola Congo (DRC)	17/05/2001           Implemented           25/1/2001           (AIP SUP           A001/2000)	A
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UB528	Livingstone Luena	1994	\$	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Angola Zambia	17/05/2001           Implemented           25/1/2001           (AIP SUP           A001/2000)	A

AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	RNAV UM731	Carbonara OSMAR Tunis Jerba FARES Dirkou N'Djamena Beriberati Saurimo Johannesburg	1996	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Angola Botswana Central Africa Republic Congo (DRC) Chad Libya Niger South Africa Zambia	17/05/2001	A
.ر	RNAV UM998	(Martigues) BALEN Constantine Bordj.O.Driss Tobuk INISA Maiduguri Garoua Kinshasa Luena Maun Gaborone	1996	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Alger Angola Botswana Congo (DRC) Congo Gabon Niger Nigeria		A
AFI/7 Rec.5/21	Provision of ATC 150 NM concept	Non-provision of ATC service 150 NM of Luanda and Huambo	1988	D	Delayed descend for arrival and steep climb for departure	Implemented as required	Angola		U
BOTSWANA	Gaborone FIR								
AFI/7 Rec.5/21	RNAV UM731	Johannesburg Saurimo	1990	S	Aircraft subjected to fly non- economical routes	State concerned to coordinate common implementation date	Angola Botswana South Africa Zambia	17/05/2001 Implemented by 29/11/2001 with South Africa	A

"	RNAV UM998	Gaborone Luena Kinshasa	1990	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Angola Botswana Congo (DRC)		A
CAMEROON	Brazzaville FIR								
AFI/7 Rec.5/8 Table ATS 1 Doc.7474/27	Route UA861	Lagos Garoua	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date		>>	A

CHAD	N'Djamena FIR								
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc. 7474/27	RNAV UM731	Berberati N'djamena Dirkou	<u>1994</u>	<u>8</u>	Aircraft subjected to fly non economical routes	States concerned to coordinate common implementation dates	<u>Chad</u> <u>Central</u> <u>African</u> <u>Republic</u> <u>Niger</u>	<u>17/05/2001</u>	<u>4</u>
4 <del>FI/7 Rec.5/21</del>	Provision of ATC 150 NM concept	Non provision of ATC service 150 NM of N'djamena	<u>1988</u>	₽	Delayed descend for arrival and steep climb for departure	Implemented as required	<u>Chad</u>	<u>As soon as</u> possible	<u>u</u>
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc. 7474/27	Route UB730	N'djamena Dirkou Djanet	<u>1998</u>	<u>2</u>	<u>"</u>	22	<u>Chad</u> <u>Niger</u> <u>Algeria</u>	<del>17/05/2001</del>	
<del>AFI/7</del> <del>Rec.5/21</del>	Provision of ATS	Efficiency of ATS	<u>1998</u>	Ð		Establish ATS operational auditing and proficiency maintenance procedures (AFL/7 Rec 5/27 refers)	<u>Chad</u>	<u></u>	<u>u</u>
<u>AFI/7</u> <u>Rec.5/1</u>	Provision of ATS Airspace Management	Inadequate airspace management between ATS units leading to frequent traffic incidents in the FIR boundaries between Alger, N'djamena, Tripoli, Niamey and Kano not responding to existing route structure flows	<u>1998</u>	₽	Frequent ATS incidents in the area attributed to airspace management	Need for urgent meeting of the States concerned to address the problem of airspace management and prevalent ATS incidents in the area	<u>Chad and</u> <u>adjacent</u> <u>States</u>	<u>As soon as</u> <u>Possible</u>	<u>u</u>
AFI/7 Rec.5/6	Letter of Agreement	Letter of Agreement not signed	<u>1998</u>	Ð	Non compatible ATC Procedures	State concerned to follow-up	<u>Chad and</u> adjacent States	<u>30/12/2000</u>	<u>A</u>

LIM AFI Rec.10/38	Provision of effective surveillance (SSR)	Need for SSR surveillance in extended TMA as expressed in the AFI CNS/ATM Plan	1988	D	Traffic density/ complexity contributing to frequent ATS incidents	Implement SSR at N'djamena	Chad	May 2000	U
COMOROS	Antananarivo FIR								
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UR996	Nampula Moroni ODAKA	1996	5	Aircraft subjected to fly non economical routes	States concerned to coordinate common implementation date	Comoros Mozambique Seychelles Yemen	17/05/2001Amendmentproposaltodeletethe routeundercirculation(ESAF 2001/ -ATS)	A
AFI/7 Rec.5/21	Provision of ATC 150 NM concept	Non-provision of ATC service 150 NM of Moroni	1988	D	Delayed descend for arrival and steep climb for departure	Implemented as required	Comoros Madagascar	17/05/2001	Ú
CONGO	Brazzaville FIR								
AFI/7 Rec.5/6	Letters of Agreements	Letters of Agreement not yet signed	1998	D	non-compatible ATC procedures	State concerned to follow-up	Congo and adjacent States	"	А
LIM AFI Rec.10/38	SSR Provision of effective surveillance	Need for SSR surveillance in extended TMA as expressed in the AFI CNS/ATM Plan	1988	D	Traffic density/ complexity contributing to frequent ATS incidents	Implement SSR at Brazzaville	Congo	As soon as possible	U

	Kinshasa FIR								
CONGO (DRC)									
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UA617	Kinshasa Windhoek	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date		17/05/2001	A
"	RNAV UL612	Goma El Dhaba (Paleohoral)	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Congo (DRC) Egypt Sudan	"	A
	<u>UA 607</u>	<u>N'Dola</u> <u>Lubumbashi</u> <u>Bangui</u>	<u>1995</u>	<u>S</u>	<u>Aircraft subjected</u> <u>to fly non-</u> <u>economical routes</u>	States concerned to coordinate common implementation date	Congo (RDC)	<u>31/12:96</u>	B
	<u>UA 617</u>	<u>Kinshasa</u> <u>Windhoek</u>	<u>1995</u>	<u>S</u>	<u>Aircraft subjected</u> to fly non- economical routes	States concerned to coordinate common implementation date	Congo (RDC)	31/12:96	B
	<u>UA 618</u>	<u>Lubumbashi</u> <u>Bukavu</u> <u>SAGBU</u> Malakal	<u>1995</u>	<u>S</u>	<u>Aircraft subjected</u> <u>to fly non-</u> <u>economical routes</u>	States concerned to coordinate common implementation date	Congo (RDC)	31/12:96	B

	<u>UB 527</u>	<u>Lubumbashi</u> <u>Kalemie</u> <u>Bujumbura</u> Kigali	<u>1995</u>	<u>S</u>	<u>Aircraft subjected</u> <u>to fly non-</u> <u>economical routes</u>	States concerned to coordinate common implementation date	Congo (RDC)	<u>31/12:96</u>	<u>B</u>
	<u>UB 607</u>	Bujumbura Goma El Obeid	<u>1995</u>	<u>S</u>	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Congo (RDC)	31/12:96	B
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	UM731	Johannesburg Saurimo Berberati	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Angola Botswana Congo (DRC)		A
AFI/7 Rec.5/21	Provision of ATC 150 NM concept	Non-provision of ATC service 150 NM of Kinshasa and Lubumbashi	1995	D	Delayed descend for arrival and steep climb for departure	Implemented as required	Congo (DRC)	As soon as possible	U
AFI/7 Rec.5/21	Provision of ATS	Efficiency of ATS	1998	D		Establish ATS operational auditing and proficiency maintenance procedures (AFI/7 Rec 5/27 refers)	Congo (DRC)	Immediately	U
EGYPT	Cairo FIR								

AFI/7 Rec.5/21	Route UM999	Sebha Sarir New Valley Luxor Jeddah	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Algeria Libya	17/05/2001	A
ERITREA									
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UB525	Addis Ababa ALEBA Luxor	1996	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Eritrea		A
GABON	Brazzaville								
AFI/7 Rec.5/6	Letters of Agreements	Letters of Agreement not yet signed	1998	D	non-compatible ATC procedures	State concerned to follow-up	Gabon	2000	A
GHANA	Accra FIR								
<u>AFI/7 Rec.5/1</u>	Provision of ATS Airspace Management	Inadequate airspace management between ATS units leading to frequent traffic incidents in the FIR boundaries between Roberts, Dakar and Accra FIRs not responding to existing route structure flows	<u>1998</u>	Ð	Frequent ATS incidents in the area attributed to airspace management	Need for urgent         meeting of the States         concerned to address         the problem of         airspace         management and         prevalent ATS         incidents in the area	Ghana and adjacent States	Immediately	<u>u</u>

KENYA	Nairobi FIR								
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	RNAV UM220	Lodwar A. Simbel	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	66	17/05/2001	A
AFI/7 Rec.5/1	P2 R10 D20 Airspace management	Prohibited area Restricted area Danger area	1990	D	Non-availability of direct routing	Withdraw these areas	~~	"	A
LIBYA	Tripoli FIR								
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UA411	Jerba Tripoli Beni-Walid Benina GERFA Mersa Matruh Cairo	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date		,,	A
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UA748	(Gozo) Tripoli Mizda Cairo Sharm Sheikh	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Ghana and adjacent States	17/05/2001	A
LIBYA									
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UG623	BALEN Annuba Tebessa Ghadames	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Libya	"	A

"	Route UG855	Tripoli Ghadames B. Omar Driss	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	"	>>	A
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UG864	Tunis Tebessa Ghardaia Timmimoun	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	"	17/05/2001	A
"	RNAV UM731	Dirkou Jerba	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	"	"	Α
"	RNAV UM994	Monastir Mitiga Beniwalid ORNAT	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	"	"	Α
AFI/7 Rec.5/8 Fable ATS 1 AFI ANP Doc.7474/27	RNAV UM999	Zarzaitine Sebha Sarir New Valley	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Libya	17/05/2001	A
"	Route UR616	Pantelleria Lampedusa Tripoli	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	"	55	A
AFI/7 Rec.5/21	Provision of ATC 150 NM concept	Non-provision of ATC 150 NM of Tripoli	1990	S	Delayed descent for arrival and steep climb for departure	Implement as required	Libya	As soon as possible	U

AFI/7 Rec.5/1	P21 R23 Airspace Management	Prohibited area Restricted area	2.0e+07	D	Non-availability of direct routing	State concerned to withdraw these areas	"	Immediately	Α
66	Provision of ATS Airspace Manageme nt	Inadequate airspace management between ATS units leading to frequent traffic incidents in the FIR boundaries between Alger, N'djamena, Tripoli and Niamey not responding to existing route structure flows	1998	D	Frequent ATS incidents in the area attributed to airspace management	Need for urgent meeting of the States concerned to address the problem of airspace management and prevalent ATS incidents in the area	Libya and adjacent States	Immediately	U
MADAGASCAR	Antananarivo FIR								
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UG465	Praslin Beira Johannesburg	1991	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Libya and adjacent States Madagascar and adjacent States	17/05/2001	A
"	Route UR996	Johannesburg Moroni Haima	1991	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date		Amendment proposal to delete the route <u>under</u> circulation (ESAF 2001/ - ATS)	A
MALAWI	Lilongwe FIR							110/	

AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UR984	Lilongwe Kasama Kindu Bangui	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Malawi	17/05/2001	А
AFI/7 Rec.5/21	ATC Provision of ATC 150 NM concept	Non-provision of ATC service 150 NM of Lilongwe	1990	D	Delayed descent for arrival and steep climb for departure	Implement as required		2000	U
AFI/7 Rec.5/1	ATS Provision of ATS	Efficiency of ATS	1998	D		Establish ATS operational auditing and proficiency maintenance procedures (AFI/7 Rec 5/27 refers)	Malawi	Immediately	U
AFI/7 Rec.5/1	Provision of ATS Airspace Management	Inadequate airspace management between ATS units leading to frequent traffic incidents in the FIR boundaries between-Beira, Lusaka, Lilongwe and Harare FIRs not responding to existing route structure flows	1998	D	Frequent ATS incidents in the area attributed to airspace management	Need for urgent meeting of the States concerned to address the problem of airspace management and prevalent ATS incidents in the area	Malawi and adjacent States Zimbabwe	As soon as possible LOAs signed to the effect with Mozambique, Tanzania and Zambia	U
MALI	Dakar FIR								
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	RNAV UM114	Lagos Ghardaia Alger	<u>1998</u>	<u>\$</u>	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	<u>Nigeria</u> <u>Algeria</u>	<u>17/05/2001</u>	<u>A</u>
<u>"</u>	RNAV UM608	<u>El Bayadh</u> Niamey	<u>1998</u>	<u>\$</u>	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	<u>Mali</u>	<u>"</u>	<u>A</u>
MAURITANIA	Dakar FIR								<b>I</b>

AFL/7 Rec.5/8           Table ATS 1           AFL ANP           Doc.7474/27           AFL/7 Rec.5/21	RNAV UM725 Provision of ATC 150	Dakar <u>Timmimoun</u> <u>Ghardaia</u> <u>Tebessa</u> <u>Tunis</u> <u>Non provision of ATC service</u> <u>150 NM of Nouackchott</u>	<u>1991</u> <u>1990</u>	<u>₽</u>	Aircraft subjected to fly non- economical routes Delayed descent for arrival and steep	States concerned to coordinate common implementation date Implement as required	<u>Mauritania</u> <u>"</u>	<u><u></u> <u>25 March 1999</u> Lower airspace</u>	<u>+</u> <u>+</u>
MOROCCO	NM concept           Casablanca           FIR	Nouadhibou			climb for departure			only	
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UR981	Casablanca Marrakech BULIS	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Mauritania	25 March 1999 Lower airspace only	А
	Airspace Management	Problems associated with non flight level allocations on ATS routes	1998	D	Non-standard flight level allocations contributed to ATS incidents	State concerned meet to address issues under column 3	Nigeria Morocco Mauritania Senegal Portugal	Immediately	U
	(SSR) Provision of effective surveillance	Need for SSR surveillance in extended TMA as expressed in the AFI CNS/ATM Plan	1988	S	Traffic density/ complexity contributing to frequent ATS incidents	Implement SSR at Casablanca	Morocco		U
MOZAMBIQUE	Beira FIR								
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UG465	Praslin Beira Johannesburg	1990	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Mozambi- que	17/05/ 2001	А

<u>.</u>	Route UR996	Johannnesburg Beira Moroni	1990	5	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Mozambique	<u>Amendment</u> proposal to delete the route <u>under</u> <u>circulation</u> (ESAF 2001/ - ATS)	A
AFI/7 Rec.5/21	Provision of ATS Airspace Management	Inadequate airspace management between ATS units leading to frequent traffic incidents in the FIR boundaries between N'djamena, Tripoli, Niamey and Lagos not responding to existing route structure flows	1998	D	Frequent ATS incidents in the area attributed to airspace management	Need for urgent meeting of the States concerned to address the problem of airspace management and prevalent ATS incidents in the area	Mozambi- que and adjacent States	Immediately	Ŭ
NAMIBIA	Windhoek FIR								
AFI/7 Rec.5/21	Provision of ATC 150 NM concept	Non-provision of ATC service 150 NM Windhoek	1994	S	Delayed descent for arrival and steep climb for departure	Implemented as required	"	2000	U
NIGER	Niamey FIR				_				
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Provision of ATS Airspace Management	Inadequate airspace management between ATS units leading to frequent traffic incidents in the FIR boundaries between N'djamena, Tripoli, Niamey and Kano not responding to existing route structure flows	1998	D	Frequent ATS incidents in the area attributed to airspace management	Need for urgent meeting of the States concerned to address the problem of airspace management and prevalent ATS incidents in the area	Niger and adjacent States	Immediately	U
NIGERIA	Kano FIR			1					1

AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UA861	Lagos Garoua	1995	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Nigeria	Not determined due to defiance in the area of VHF coverage and ATS D/S circuits between Lagos/Kano	A
"	UM114	Lagos - Ghardaia	1995	S	"	,,	"	"	А
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	RNAV UM998	Ngaondere Maiduguri Djanet	1995	S		>>	"	Nigeria is ready to implement and request ICAO to coordinate with Chad and Niger	A
RWANDA	Dar es Salaam FIR								
AFI/7 Rec.5/21	Provision of ATC 150 NM concept	Non-provision of ATC service 150 NM of Kigali	1995	D	Delayed descent for arrival and steep climb for departure	Implement as required	"	2000	U
SAO TOME	Brazzaville FIR								
<u>AFI/7 Rec.5/21</u>	Provision of ATC-150 NM-concept	Non provision of ATC service 150 NM of Sao Tome	<u>1988</u>	Ð	Delayed descent for arrival and steep climb for departure.	Implement as required	Sao Tome & Principe	As soon as possible	¥
SEYCHELLES	Seychelles FIR								
AFI/7 Rec.5/21	Route UR996	Moroni Haima	1994	\$	Delayed descent for arrival and steep climb for departure.	Implement as required	Seychelles	17/05/2001 <u>Amendment</u> <u>proposal to</u> <u>delete the route</u> <u>under</u> <u>circulation</u> <u>(ESAF 2001/ -</u> ATS)	A

SOMALIA	Mogadishu FIR								
AFI/7 Rec.5/21	Route UG207	Mogadishu Karachi	1990	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Somalia	"	A
"	RNAV UM651	Aden Hargeissa Praslin	1990	S	~~	"		"	A
"	RNAV UM665	Plaisance Mandera	1990	S	٠.		"	"	А
"	Route UR996	Moroni Haima	1994	S	٠٠	"	"	,,	А
"	Provision of ATC 150 NM concept	Non-provision of ATC service 150 NM of Mogadishu	1994	D	Delayed descent for arrival and steep climb for departure	Implement as required	"	As soon as possible	U
SOUTH AFRICA	Johannesburg , Durban and Cape Town FIRs								
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	RNAV UM731	Johannesburg Saurimo	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	South Africa	29/11/2001	A
"	Route UM998	Johannesburg Saurimo	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date		"	A
SUDAN	Khartoum FIR							"	
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UA618	Bukavu Malakal	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Sudan	17/05/2001	A
"	Route UA620	Malakal N'djamena	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date		22	A

AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UB525	AddisAbaba Luxor	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Sudan	17/05/2001	A
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UB527	Malakal Kenana	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Sudan	17/05/2001	A
۰۵	Route UB607	Bujumbura Goma El Obeid New Valley El Dabha	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	"	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	A
"	Route UB612	Malakal Nakuru LOSIN	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	"	>>	A
"	RNAV UL612	Goma El Dhaba	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	"	"	A
"	RNAV UM220	Lodwar A. Simbel	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date		"	A
"	RNAV UM665	Khartoum	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date		"	A
"	Route UR400	A. Simbel Kassala	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date		>>	A
AFI/7 Rec.5/8 Table ATS 1 AFI ANP Doc.7474/27	Route UR995	Merowe Addis Ababa	1994	S	Aircraft subjected to fly non- economical routes	States concerned to coordinate common implementation date	Sudan	17/05/2001	A

	Provision of ATS	Provision of Area Control Service not provided to most ATS routes in the upper airspace	1998	D		State to expedite implementation process	-		A
SWAZILAND	Johannesburg FIR								
AFI/7 Rec.5/1	P4 Airspace Management	Prohibited area	1990	D	Non-availability of direct routings	Withdraw this area		As soon as possible	A
AFI/7 Rec.5/1	Provision of ATS Airspace Management	Inadequate airspace management between ATS units leading to frequent traffic incidents in the FIR boundaries between Beira Lilongwe and Harare not responding to existing route structure flows	1998	D	Frequent ATS incidents in the area attributed to airspace management	Need for urgent meeting of the States concerned to address the problem of airspace management and prevalent ATS incidents in the area	Zambia and adjacent States	Immediately	U
AFI/7 Rec.5/21	Provision of ATC Service	Efficiency of ATS Saturation of TMS functions at peak hours	1998	D D		Establish ATS operational auditing and proficiency maintenance procedures (AFI/7 Rec 5/27 refers) Need to improve reorganise TMA to cope with traffic demand	Zambia	Immediately	U
ZIMBABWE	Harare FIR								
AFI/7 Rec.5/1	D23 P14 Airspace Management	Danger area Prohibited area	1990	D	Non-availability of direct routing	Withdraw the areas	"	As soon as possible	A

**APPENDIX A** 

## SHORTCOMINGS/DEFICIENCIES IN THE FIELD OF SEARCH AND RESCUE SERVICES FIELD (SAR) (Ref. Air Navigation Plan - Africa-Indian Ocean Region (Doc 7474) PART VII - SEARCH AND RESCUE SERVICES (SAR)

Identification		Shortcoming	s/deficienci	es		Corrective action			
Requirements	States/ facilities	Description	Date first reported	Status	Comments	Description	Executing body	Target date for implementation	Priority for action
1	2	3	4	5	6	7	8	9	10
ALGERIA	Luanda FIR								
Annex 12, 2.1	SAR legislation-	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
ANGOLA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR OPS	Coordination with States concerned	Angola and Adjacent States	30/9/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1997	D	Delay to conduct SAR OPS	i) Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Angola	30/9/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A

BENIN									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Benin and adjacent States	30/9/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Benin	30/9/2000	U
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
BOTSWANA	Gaborone SRR								
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR OPS	Coordination with States concerned	Botswana and Adjacent States	30/9/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Botswana	30/9/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
BURKINA FASO									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR OPS	Coordinate with States concerned	Burkina Faso and Adjacent States	30/9/2000	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Burkina Faso	30/9/2000	A

Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
BURUNDI									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR OPS	Coordinate with States concerned	Burundi and Adjacent States	Cannot be determined until the current political situation in the Great Lakes area improves.	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406 MHz	Burundi	30/9/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
CAMEROON									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR OPS	Coordinate with States concerned	Cameroon	30/9/2000	А

Annex 12, 2.4 SARSAT 406 MHz and 1993 D Delay to conduct Implement 406/121.5 MHz Cameroon 30/9/2000 А Annex 12, 3.2.4 ELT 121.5 MHz SAR OPS AFI/7 Rec. 6/1 and 6/2CENTRAL AFRICAN REPUBLIC SARSAT 406 MHz and 1993 D Lack of legal i)Provide SPOC to ICAO Central 30/9/2000 Annex 12, 2.4 А Annex 12, 3.2.4 ELT authority could ii)Implement 406/121.5 African 121.5 MHz delay SAR AFI/7 Rec. 6/1 and MHz Republic efficiency 6/2 Annex 12, 2.1 SAR 1995 Immediately Provide legal D Lack of legal Establish SAR legislation А legislation authority could framework delay SAR for the SAR efficiency Authority CHAD Delay to conduct Annex 12, 3.1.5 SAR 1991 D Coordinate with States Chad and 30/9/2000 Α -AFI/7 Conc.6/3 SAR OPS adjacent States Agreements concerned SARSAT Annex 12, 2.4 406 MHz and 1993 D Delay to conduct i)Provide SPOC to ICAO Chad 30/9/2000 А Annex 12, 3.2.4 ELT 121.5 MHz SAR OPS ii)Implement 406/121.5 AFI/7 Rec. 6/1 and MHz 6/2 Annex 12, 2.1 Lack of legal Immediately SAR Provide legal 1995 Establish SAR legislation Α framework authority could legislation delay SAR for the SAR Authority efficiency COMOROS 1991 D Delay to conduct SAR Coordinate with States 30/9/2000 А Annex 12, 3.1.5 Comoros and -AFI/7 Conc.6/3 Agreements SAR OPS concerned adjacent States

Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	Provide SPOC to ICAO	Comoros	30/9/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	А
CONGO									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR OPS	Coordinate with States concerned	Congo and adjacent States	30/9/2000	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Congo	30/9/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
CONGO (DRC)									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR Operations	Coordination with States concerned	Congo (DRC) and adjacent States	30/9/2000 Agreement signed with Zambia	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR Operations	Coordination with States concerned	Congo (DRC)	30/9/2000 Mandatory carriage signed at ministerial level	А
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately Draft ready and signed at ministerial level	A
CÔTE D'IVOIRE									

Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Côte d'Ivoire and adjacent States	30/9/2000	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and <u>121.5 MHz</u>	1993	D	Delay to conduct SAR OPS	Provide SPOC to ICAO	Côte d'Ivoire	30/9/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
DJIBOUTI									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1991	D	Delay to conduct SAR OPS	Coordinate with States concerned	Djibouti and adjacent States	30/9/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHZ and 121.5 MHZ	1993	D	"	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Djibouti	30/9/2000	А
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
EGYPT									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR agreements	-	1995	D	Delay to conduct SAR Operations	Coordination with States concerned	Egypt and adjacent States	30/9/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHZ and 121.5 MHZ	1993	D	Delay to conduct SAR Operations	Coordination with States concerned	Egypt	"	A

Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
EQUITORIAL GUINEA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1991	D	Delay to conduct SAR OPS	Coordinate with States concerned	Equatorial Guinea and adjacent States	30/9/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Equatorial Guinea	"	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
ERITREA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR OPS	Coordination with States concerned	Eritrea and Adjacent States	Undetermined	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1997	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Eritrea	In progress	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		دد	A
ETHIOPIA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR OPS	Coordinate with States concerned	Ethiopia and adjacent States	30/9/2000	A

Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	<del>1995</del>	Ð	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		As soon as possible Proclamation No.111/77 is in use	A
GABON									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1990	D	Delay to conduct SAR OPS	Coordinate with States concerned	Gabon and adjacent States	30/9/2000	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	Provide SPOC to ICAO	Gabon	"	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
GAMBIA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1991	D	Delay to conduct SAR OPS	Coordinate with States concerned	Gambia and adjacent States	30/9/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and <del>121.5 MHz</del>	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/ <del>121.5</del> MHz	Gambia	30/9/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
GHANA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1994	D	Delay to conduct SAR OPS	Coordinate with States concerned	Ghana and adjacent States	30/9/2000	A

Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz <u>and</u> <u>121.5 MHz</u>	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406 MHz	Ghana		A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
GUINEA									
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	Implement 406/121.5 MHz	Guinea	30/9/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
GUINEA BISSAU									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Guinea Bissau and adjacent States	30/9/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHZ and 121.5 MHZ	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Guinea Bissau		A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
KENYA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Kenya and adjacent States	30/9/2000	A

Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Kenya	در	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
LESOTHO									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Lesotho and adjacent States	30/9/2000 Draft completed awaiting signature	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz <u>and</u> <u>121.5 MHz</u>	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/ <u>1215</u> MHz	Lesotho	30/9/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately Act submitted to Parliament	A
LIBERIA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Liberia and adjacent States	30/9/2000	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Liberia	"	A

Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
LIBYA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Libya and adjacent States	30/9/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Libya	30/9/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
MADAGASCAR									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Madagascar and adjacent States	30/9/2000	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHZ and 121.5 MHZ	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Madagascar		A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
MALAWI		-			-	1			

Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR OPS	Coordinate with States concerned	Malawi and adjacent States Mozambique	30/9/2000 Agreements signed with Tanzania and Zambia	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Malawi	30/9/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
MALI						-			
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz <del>and</del> <u>121.5 MHz</u>	1993	D	Lack of legal authority could delay SAR efficiency	Implement 406 <u>/1215</u> MHz	Mali	30/12/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
MAURITANIA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR agreements	-	1995	D	Delay to conduct SAR Operations	Coordination with States concerned	Mauratania and adjacent States	30/12/2000	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1997	D	Delay to conduct SAR Operations	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Mauratania	30/12/2000	A

Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
MAURITIUS									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR agreements	-	1995	D	Delay to conduct SAR Operations	Coordination with States concerned	Mauritius and adjacent States of India <u>Madagascar</u> and Maldives	SAR agreements signed with Australia and France (La Reunion). Agreements with South Africa being considered.	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz <del>and</del> <del>121.5 MHz</del>	1993	D	Delay to conduct SAR Operations	i)Provide SPOC to ICAO ii)Implement 406 <u>/1215</u> MHz	Mauritius	30/12/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Implementation in progress (13/12/2000)	A
MOROCCO									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR agreements	-	1995	D	Delay to conduct SAR Operations	Coordination with States concerned	Morocco and adjacent States	30/12/2000	A

Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR Operations	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Morocco	30/12/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
MOZAMBIQUE									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR agreements	-	1995	D	Delay to conduct SAR Operations	Coordination with States concerned	Mozambique	30/12/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1997	D	Delay to conduct SAR Operations	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz		"	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
NAMIBIA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1991	D	Delay to conduct SAR OPS	Coordination with States concerned	Namibia and Adjacent States	30/12/2000	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR Operations	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Namibia	"	A
NIGER									

Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR Operations	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Niger		А
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
NIGERIA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Nigeria and adjacent States	30/12/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR Operations	Implement 406/121.5 MHz	Nigeria	30/12/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation			A
RWANDA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Rwanda and adjacent States	"	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR Operations	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Rwanda	"	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A

SAO TOME		1							
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements		1995	D	Delay to conduct SAR OPS	Coordination with States concerned	Sao Tome and Adjacent States	30/12/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1997	D	Delay to conduct SAR Operations	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Sao Tome	در	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
SENEGAL									
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR Operations	Implement 406/121.5 MHz	Senegal	30/12/2000	A

SEYCHELLES									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Seychelles and adjacent States	<u>36889</u>	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR Operations	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Seychelles	30/12/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
SIERRA LEONE									
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Lack of legal authority could delay SAR efficiency	Implement 406/121.5 MHz	Sierra Leone	30/12/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
SOMALIA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Somalia and adjacent States	30/12/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHZ	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Somalia	30/12/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A

SOUTH AFRICA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	South Africa and adjacent States	30/12/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	South Africa	"	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		دد	A
SUDAN									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR OPS	Coordination with States concerned	Sudan and Adjacent States	30/12/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1997	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Sudan	30/12/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
SWAZILAND									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Swaziland and adjacent States	30/12/2000	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Swaziland	"	A

Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
TANZANIA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Tanzania and adjacent States	Kenya, Uganda and Tanzania June 2000 and Mozambique, Malawi, Zambia and Congo (DRC) June 2000 August 2001	A
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 Mhz	1993	D	Delay to conduct SAR OPS	i)Implement 406 MHz	Tanzania	<del>30/12/2000</del> 2005	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Discussions going on with the Ministry Headquarters MOU signed. Implementation by April 2002	A
TOGO									

Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned. October 1998	Togo and adjacent States	30/12/2000	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406/121.5 MHz	Togo	30/12/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
TUNISIA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Tunisia and adjacent States	30/12/2000	A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
UGANDA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1995	D	Delay to conduct SAR OPS	Coordinate with States concerned	Uganda and adjacent States	31/12/2000	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406 MHz	Uganda		A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		30/12/2000	A
ZAMBIA									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Zambia and adjacent States Angola, Mozambique and Zimbabwe	<u>Concluded with</u> <u>Democratic</u> <u>Republic of</u> <u>Congo, Malawi</u> and Tanzania	A

Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz <del>and</del> <del>121.5 MHz</del>	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406 <u>/1215</u> MHz	Zambia		A
Annex 12, 2.1	SAR legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation		Immediately	A
ZIMBABWE									
Annex 12, 3.1.5 AFI/7 Conc.6/3	SAR Agreements	-	1996	D	Delay to conduct SAR OPS	Coordinate with States concerned	Zimbabwe and adjacent States	30/12/2000	А
Annex 12, 2.4 Annex 12, 3.2.4 AFI/7 Rec. 6/1 and 6/2	SARSAT ELT	406 MHz and 121.5 MHz	1993	D	Delay to conduct SAR OPS	i)Provide SPOC to ICAO ii)Implement 406 MHz	Zimbabwe	30/12/2000	A
Annex 12, 2.1	SAR Legislation	Provide legal framework for the SAR Authority	1995	D	Lack of legal authority could delay SAR efficiency	Establish SAR legislation	Zimbabwe	In progress. August 2000 Draft ready. Implementation before end 2001	А

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## **APPENDIX A**

Identific	ation		Shortcom	ings/defic	iencies	Corrective action			
ANGOLA									
Annex 15, 3.4.4 AFI/7 Rec.12/29	Coordinates WGS84	Accuracy of coordinates in accordance with Annexes 11 and 14	1/1/98	S	Delay in introduction of GNSS	Implement WGS-84 coordinates	Angola	30/12/2000	U
Annex 4 AFI/7 Rec.12/31 and Rec.12/32	ICAO Mandatory Charts	Non- availability of the ICAO Aerodrome Chart and the ICAO Aerodrome Obstacle Chart - Type A	1990	S	Lack of charts affects safety	Publish these Charts for Luanda and Huambo	Angola		U
Annex 15, 5.1 Annex 15, 6.11 AFI/7 COM 12/7	NOTAM	Irregular Publication of NOTAM	1990	D	Lack of NOTAM affects safety	Publish regularly	Angola	Immediate	U

## SHORTCOMINGS/DEFICIENCIES IN THE AERONAUTICAL INFORMATION SERVICES (AIS) (Ref. Air Navigation Plan - Africa-Indian Ocean Region (Doc 7474) PART VIII - AERONAUTICAL INFORMATION SERVICES (AIS)

CAMEROON									
Annex 15, 5.1 Annex 15, 6.11 AFI/7 COM 12/7	ICAO Mandatory Charts	Non- availability of the ICAO Aerodrome Chart and the ICAO Aerodrome Obstacle Chart - Type A	1990	S	Lack of charts affects safety	Publish these Charts for Yaounde	Cameroon	30/12/2000	U
COMOROS									
Annex 15, 5.1 Annex 15, 6.11 AFI/7 COM 12/7	ICAO Mandatory Charts	Non- availability of the ICAO Aerodrome Obstacle Chart - Type A	1990	S	Lack of this chart affects safety	Publish this Chart for Moroni and Dzaoudzi	Comoros		U
"	NOTAM	Irregular Publication of NOTAM	1990	D	Lack of NOTAM affects safety	Publish regularly	Comoros	Will soon be solved	U
CONGO (DRC)									
Annex 15, 5.1 Annex 15, 6.11 AFI/7 COM 12/7	ICAO Mandatory Charts	Aerodrome Charts outdated	1990	S	Non-updated charts affects safety	Publish new Charts	Congo (DRC)	30/12/2000	U

" NOTAM WGS-84	Irregular 1 Publication of NOTAM	1990 D	Lack of NOTAM affects safety	Publish regularly	Congo (DRC)	Immediate	U
	Accuracy of coordinates in accordance with Annexes 11 and 14						

DJIBOUTI									
Annex 15, 8.1	Intergrated AIS package	Irregular distribution of AIS package	1/1/98	S	Non-availability of latest status of information	Distribute regularly	Djibouti	30/12/2000	A
"	AIRAC NOTAM	Non- adherence to AIRAC requirements	1994	D	Non-observation of AIRAC procedures affects regularity of flight operations	Data indicated in Appendix 4 of Annex 15 to be promulgated on AIRAC dates	Djibouti	Immediate	U
	Coordinates WGS84	Accuracy of coordinates in accordance with Annexes 11 and 14	1/1/98	S	Delay in introduction of GNSS	Implement WGS-84 coordinates	Eritrea	30/12/2000	U
GAMBIA									
Annex 15, 8.1		Irregular distribution of AIS package	1/1/98	D	Non-availability of latest status of information	Distribute regularly	Gambia	30/12/2000	A
GUINEA		1 0 .							
Annex 15, 8.1	Integrated AIS package	Irregular distribution of AIS package	1/1/98	S	Non-availability of latest status of information	Distribute regularly	Guinea		A
GUINEA BISSAU									

Annex 15, 8.1	Coordinates WGS84	Accuracy of coordinates in accordance with Annexes 11 and 14	1/1/98	S	Delay in introduction of GNSS	Implementation of WGS-84 coordinates	Guinea Bissau	30/12/2000	U
KENYA									
Annex 15, 3.4.4 AFI/7 Rec.12/29	Coordinates WGS84	Accuracy of coordinates in accordance with Annexes 11 and 14	1/1/98	\$	Delay in introduction of GNSS	Implement WGS 84 coordinates	Kenya	30/12/2000 Implemented (cf. AIP SUPP 13/01 of 5/4/2001)	U
Annex 15, 8.1	Intergrated AIS package	Irregular distribution of AIS package	1/1/98	S	Non-availability of latest status of AIP information	Distribute regularly	Kenya	30/12/2000 Draft AIP New Format ready	A
LESOTHO			1					-	
Annex 15, 8.1	Integrated AIS package	Irregular distribution of AIS package	1/1/98	S	Non-availability of latest status of information	Distribute regularly	Lesotho	"	A
LIBYA			1					-	
Annex 15, 8.1	Coordinates WGS84	Accuracy of coordinates in accordance with Annexes 11 and 14	1/1/98	S	Delay in introduction of GNSS	Implementation of WGS-84 coordinates	Libya		U
MADAGASCAR		une :		-			+		

Annex 15, 8.1	ICAO Mandatory Charts	Non- availability of the ICAO Aerodrome Obstacle Chart - Type A for <u>Dzaoudzi</u> <u>and Moroni</u> <u>Comoros</u>	1990	S	Lack of this chart affects safety	Publish the required Chart for Moroni and Dzaoudzi	Madagascar		U
MOZAMBIQUE									
Annex 15, 8.1	NOTAM	Irregular Publication of NOTAM	1/1/98	S	Lack of NOTAM affects safety	Publish regularly	Mozambique	Immediate	U
"	Intergrated AIS package	Irregular distribution of AIS package	1/1/98	S	Non-availability of latest status of information	Distribute regularly	Mozambique	30/12/2000	A
NAMIBIA									
Annex 15, 8.1	ICAO Mandatory Charts	Non- availability of ICAO Aerodrome Chart for Keetmansho op and Windhoek	1979	S	Lack of these charts affects safety	Publish the required Charts	Namibia		U
RWANDA									

Annex 15, 8.1	ICAO Mandatory Aerodrome Chart ICAO Aerodrome Obstacle Chart type A	Non- availability of ICAO Aerodrome Chart and Aerodrome Obstacle Chart - Type A	1979	S	Lack of these charts affects safety	Publish the two Charts for Kigali	Rwanda		U
SAO TOME									
<u>Annex 15, 8.1</u>	Coordinates WGS84	Accuracy of <u>coordinates</u> <u>in</u> <u>accordance</u> <u>with</u> <u>Annexes 11</u> <u>and 14</u>	<u>1/1/98</u>	<u>₹</u>	Delay in introduction of GNSS	Implement WGS 84 coordinates	<u>Sao Tome</u>	<u>30/12/2000</u>	Ŧ
"	NOTAM	Irregular Publication of NOTAM	1991	D	Lack of NOTAM affects safety	Publish regularly	Sao Tome	Immediate	U
SIERA LEONE									
Annex 15, 8.1	NOTAM WGS-84	Irregular Publication of NOTAM <u>Publication</u> <u>of reported</u> <u>points</u>	1991	S	Lack of NOTAM affects safety <u>Delay in introduction</u> <u>of GNSS</u>	Publish regularly <u>Publish thein the</u> <u>table</u>	Roberts FIR	Immediate	U
SOMALIA									

Annex 15, 8.1	Coordinates WGS84	Accuracy of coordinates in accordance with Annexes 11 and 14	1/1/98	S	Delay in introduction of GNSS	Implementation of WGS-84 coordinates	Somalia	30/12/2000	U
Annex 15, 8.1	ICAO Mandatory Aerodrome Chart ICAO Aerodrome Obstacle Chart type A ICAO Instrument Approach Chart	Non- availability of ICAO mandatory Charts for Hargeissa Kismayu Mogadishu	1990	S	Lack of these charts affects safety	Publish the three Charts as required	Somalia	30/12/2000	U
SUDAN									
Annex 15, 8.1	Coordinates WGS84	Accuracy of coordinates in accordance with Annexes 11 and 14	1/1/98	S	Delay in introduction of GNSS	Implement WGS-84 coordinates	Sudan	30/12/2000	U
"	ICAO Mandatory Charts	Non- availability of ICAO Aerodrome Chart for Khartoum	1990	S	Lack of this chart affects safety	Publish the required Chart	Sudan	"	U

SWAZILAND									
Annex 15, 8.1	ICAO Mandatory Chart	Non- availability of ICAO Aerodrome Obstacle Chart type A for Matsapha	1991	S	Lack of this chart affects safety	Publish the required Chart	Swaziland	36889	U
Annex 15, 8.1	NOTAM AIRAC	Non- adherence to AIRAC requirements	1991	D	Non-observation of AIRAC procedures affects regularity of flight operations	Data indicated in Appendix 3 of Annex 15 to be promulgated on AIRAC dates	Swaziland	Immediate	U
ZAMBIA									
Annex 15, 8.1	Intergrated AIS package	Irregular distribution of AIS package	1/1/98	D	Non-availability of latest status of information	Distribute regularly	Zambia		A
ZIMBABWE									
Annex 15, 8.1	Intergrated AIS package	Irregular distribution of AIS package	<del>1/1/98</del>	\$	Non availability of latest status of information	Distribute regularly	Zimbabwe		A

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