



INTERNATIONAL CIVIL AVIATION ORGANIZATION

**AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP
EIGHTEENTH MEETING (APIRG/18)
Kampala, Uganda (27 – 30 March 2012)**

**Agenda Item 4.1: REVIEW AND UPDATE OF THE LIST OF DEFICIENCIES IN
THE AIR NAVIGATION FIELDS - ATM/SAR**

(Presented by the Secretariat)

| SUMMARY |
|---|
| This working paper reflects the outcome of the ATM/AIM/SAR SG/12 in its review of the air navigation deficiencies in the fields of ATM and SAR. It highlights the challenge of low reporting of deficiencies and proposes an approach to encourage reporting of deficiencies. |
| REFERENCE(S): APIRG Handbook, ATM/AIM/SAR SG/12 Report |
| Related ICAO Strategic Objective(s): A & C |

1. INTRODUCTION

1.1 The definition of air navigation “deficiency” as approved by the ICAO Council is as follows:

“a deficiency is a situation where a facility, service or procedure does not comply with a regional air navigation plan approved by the Council, or with related ICAO Standards and Recommended Practices, and which situation has a negative impact on the safety, regularity and/or efficiency of international civil aviation”

1.2 The APIRG/17 Meeting in August 2010 noted that based on currently available information at the Secretariat as of March 2010, 44 States were reported as having no deficiencies in the field of ATM, 51 in the fields of AIS/MAP, while in the field of SAR, most States (almost 45) had three similar deficiencies, all identified between 1991 and 1995. The Group agreed that the existing list of deficiencies was not useful, given the situation reflected by, *inter alia*, reports from the USOAP audit of AFI States, and unsatisfactory condition reports (UCRs) considered by the AFI Tactical Action Group (TAG). The current list of deficiencies is at **Appendix A** to this working paper.

2. DISCUSSION

2.1 The Sub-Group acknowledged that the identification, assessment and reporting of air navigation deficiencies is one of the regular tasks of the ICAO planning and implementation regional groups (PIRGs). However, in order for APIRG to effectively address deficiencies in the AFI Region, adequate information on specific deficiencies should be made available to the relevant PIRG.

2.2 The ATM/AIM/SAR Sub-Group recognized that the important task of reporting of air navigation deficiencies is best facilitated by active participation by States (and their ANSPs), users and other stakeholders including professional organizations. Consequently, and in view of the situation in the AFI Region as discussed above, it was important for the Sub-Group to address the matter of effective reporting of air navigation deficiencies.

2.3 In order to encourage reporting by all concerned parties and to enable follow up, particularly by the Regional Offices, the Sub-Group agreed on an approach to reporting that would guide the parties who are expected to participate in the reporting of deficiencies. In this regard the Sub-group agreed on a list of areas reflected in **Appendix B** to this working paper, which are to be used as a reference for minimum reporting. It was reiterated that the intent of the list is NOT to replace reporting based on Council policy, but to encourage reporting, noting on one hand the current critically low level of reporting, and on the other hand the expanse of SARPs and requirements on which reporting may be effected.

2.4 Without prejudice to the definition of ‘a deficiency’ as approved by the Council, States, (Regulators and ANSPs), users (IATA, AFRAA, etc.), and professional organizations (IFALPA, IFATCA, IFATSEA, etc.) are encouraged to report on deficiencies in the areas listed in **Appendix A** to this working paper (in addition to reporting of any other deficiencies as defined by the Council).

2.5 The meeting recognized that the envisaged benefits of this approach include the following:

- (i) Consistency in reporting across all AFI States with respect to the listed areas;
- (ii) Ability to derive trends and propose common solutions;
- (iii) Consistency in follow-up by Regional Offices and other concerned parties and;
- (iv) Encouragement by States and Organisations to report.

2.6 Undesirable outcomes of the approach which should be guarded against include the following:

- (i) Reporting only on the listed areas, instead of all deficiencies covered by the Council deficiencies;
- (ii) Excessive allocation of solution resources and effort to the listed areas.

2.7 Based on the above, the meeting formulated the following Draft Conclusion:

Draft Conclusion 18/XX:

That, in order to encourage reporting of deficiencies, follow up, collection of information on impediments to implementation, and to facilitate identification of solutions, AFI States and other stakeholders are encouraged to use the list of reporting areas at Appendix B to this working paper, as a guide to minimum reporting.

2.8 The Sub-Group acknowledged that there were other mechanisms under which deficiencies were reported, such as those within the purview of the AFI Tactical Action Group (TAG) and the ATS Incident Analysis Group (AIAG), and highlighted the need for effective coordination in reporting and management of the data there from.

3. ACTION BY THE MEETING

32.1 The meeting is invited to:

- (a) note the information provided in this working paper; and
- (b) adopt the reporting approach described in this working paper; and
- (c) agree to the Draft Conclusion under paragraph 2.7 of this working paper.

-END-

ATM Deficiencies

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|---------------------------------|---|-------------------------------|--|----------------------------|-------------------------------|---|-----------------------|---------------------------------------|-----------------|
| <i>Algeria</i> | AFI/7 Rec.5/21 | FIR Algiers | Non-implementation of ATC in the upper airspace in the South area (prevision of implementation in 2006). | | | | | 31/12/09 | A U |
| <i>Angola</i> | APIRG/13 Conclusion 13/43 | Luanda FIR | Non-provision of 10 minutes longitudinal separation | 1998 | | | Angola | 31/12/09 | |
| <i>Benin</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Botswana</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Burkina Faso</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Burundi</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Cameroon</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Cape Verde</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Central African Republic</i> | This State has no deficiency in this field. | | | | | | | | |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|---------------------------|---|--|---|----------------------------|---|--|---------------------------|---------------------------------------|-----------------|
| <i>Chad</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Comoros</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Congo</i> | 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. | 1998 | Traffic density/complexity contributing to frequent ATS incidents | Implement SSR at Brazzaville | Congo | 31/12/09 | U |
| <i>Côte d'Ivoire</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Dem. Rep. of Congo</i> | AFI/7 Rec.5/21 | FIR Kinshasa | Non-provision of ATC service. | - | - | - | - | 31/12/09 | U |
| | APIRG/13 Conc.13/43 | FIR Kinshasa | Non-implementation of 10 minute longitudinal separation. | - | - | - | - | 31/12/09 | U |
| | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UL612 | Goma-EL Dhaba (Paleohora) | 1995 | Aircraft subjected to fly non-economical routes. | States concerned to coordinate common implementation dates. | Congo (DRC)-Egypt - Sudan | 31/12/09 | A |
| | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UL612 | Goma-El Dhaba (Paleohora) | 1995 | Aircraft subjected to fly non-economical routes. | States concerned to coordinate common implementation dates. | Congo (DRC)-Egypt-Sudan | 31/12/09 | A |
| | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | UB 527 | Lubunbashi – Daras Salam | 2001 | Aircraft subjected to fly non-economical routes. | States concerned to coordinate a common implementation date. | D. R. Congo - Tanzania | 31/12/09 | |
| <i>Djibouti</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Egypt</i> | This State has no deficiency in this | | | | | | | | |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|--------------------------|---|-------------------------------|--|----------------------------|--|---|-----------------------|---------------------------------------|-----------------|
| | field. | | | | | | | | |
| <i>Equatorial Guinea</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Eritrea</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Ethiopia</i> | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UB525 | Addis Ababa-ALEBA-Luxor | 1996 | Aircraft subjected to fly non-economical routes. | States concerned to coordinate common implementation dates. | Eritrea | 1/9/2009 | A |
| <i>France (Réunion)</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Gabon</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Gambia</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Ghana</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Guinea</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Guinea Bissau</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Kenya</i> | AFI/7 Rec.5/1 - Airspace management | P2, R10, D20 | Prohibited area, restricted area, danger area. | 1990 | Non-availability of direct routing. | Withdraw these areas. | Kenya | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|-------------------|---|-------------------------------|--|----------------------------|--|---|-----------------------|---------------------------------------|-----------------|
| <i>Lesotho</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Liberia</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Libya</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Madagascar</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Malawi</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Mali</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Mauritania</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Mauritius</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Morocco</i> | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Airspace Management | Problems associated with non flight level allocations on ATS routes. | 1998 | Non-standard flight level allocations contributed to ATS incidents | States concerned to meet and address issues under column 3. | Morocco-Portugal | 31/12/09 | U |
| <i>Mozambique</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Namibia</i> | This State has no | | | | | | | | |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|--------------------------------|---|----------------------------------|---|----------------------------|--|---|-----------------------|---------------------------------------|-----------------|
| | deficiency in this field | | | | | | | | |
| <i>Niger</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Nigeria</i> | This State has no deficiency in this field | | | | | | | | |
| <i>Rwanda</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Sao Tome & Principe</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Senegal</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Seychelles</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Sierra Leone</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Somalia</i> | AFI/7 Rec.5/21 | Provision of ATC 150 NM concept. | Non-provision of ATC service 150 NM of Mogadishu. | 1994 | Delayed descent for arrival and steep climb for departure. | No action due to the present situation | Somalia | 31/12/09 | U |
| <i>South Africa</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Spain (Canary Is.)</i> | This State has no deficiency in this field. | | | | | | | | |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|-------------------|---|-------------------------------|---|----------------------------|--|--|------------------------|---------------------------------------|-----------------|
| <i>Sudan</i> | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UR400 | A. Simbel-Kassala | 1994 | Aircraft subjected to fly non-economical routes. | Not acceptable now within Khartoum FIR. | Sudan | 31/12/09 | A |
| | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UM665 | Addis Ababa-Merowe | 1994 | Aircraft subjected to fly non-economical routes. | Not acceptable in Khartoum FIR due to military reasons. | Sudan | 17/02/09 | A |
| | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UL612 | Goma-El Dhaba | 1994 | Aircraft subjected to fly non-economical routes. | Overlaps UB607 need to review alignment at appropriate forum. | Sudan | 17/02/09 | A |
| | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UB607 | Goma-El Obeid-New Valley-El Dabha | 1994 | Aircraft subjected to fly non-economical routes. | States concerned to coordinate common implementation dates. | Sudan | 17/02/09 | A |
| | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UB525 | Addis Ababa-Luxor | 1994 | Aircraft subjected to fly non-economical routes. | Not acceptable now in Khartoum FIR. | Sudan | 17/02/09 | A |
| | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UA618 | Bukavu-Malakal | 1994 | Aircraft subjected to fly non-economical routes. | Not available now in Khartoum FIR. | Sudan | 17/02/09 | A |
| | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Provision of ATS | Area control service not provided to most ATS routes in the upper airspace. | 1998 | Aircraft subjected to fly non-economical routes. | State to expedite implementation process. | Sudan | 17/02/09 | A |
| <i>Swaziland</i> | AFI/7 Rec.5/1 | P4 - Airspace Management | Prohibited area | 1990 | Non-availability of direct routings. | Withdraw this area - P4. | Swaziland | 31/12/09 | A |
| <i>Tanzania</i> | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | UB527 | Lubumbashi - Dar-es-Salaam | 2001 | Aircraft subjected to fly non-economical routes. | Tanzania is coordinating with the States for a common implementation date. | D. R. Congo - Tanzania | 31/12/09 | A |
| <i>Togo</i> | This State has no | | | | | | | | |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|-------------------|---------------------|-------------------------------|---|----------------------------|-------------------------------|---|-----------------------|---------------------------------------|-----------------|
| | | | | | | | | | |
| | | | deficiency in this field. | | | | | | |
| <i>Tunisia</i> | | | This State has no deficiency in this field. | | | | | | |
| <i>Uganda</i> | | | This State has no deficiency in this field. | | | | | | |
| <i>Zambia</i> | | | This State has no deficiency in this field. | | | | | | |
| <i>Zimbabwe</i> | | | This State has no deficiency in this field. | | | | | | |

SAR Deficiencies

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|---------------------|---|-------------------------------|---|----------------------------|---|---|----------------------------------|---------------------------------------|-----------------|
| <i>Algeria</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Algeria and adjacent States | 31/12/09 | A |
| <i>Angola</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Angola and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Angola | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Angola | 31/12/09 | A |
| <i>Benin</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Benin and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Benin | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Benin | 31/12/09 | A |
| <i>Botswana</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Botswana and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Botswana | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Botswana | 31/12/0 | A |
| <i>Burkina Faso</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Burkina Faso and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Burkina Faso | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for | 1995 | Lack of legal | Establish SAR | Burkina Faso | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|---------------------------------|---|-------------------------------|--|----------------------------|---|---|------------------------------|---------------------------------------|-----------------|
| <i>Burundi</i> | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | the SAR authority Provide legal framework for the SAR authority | 1995 | authority could delay SAR efficiency. Lack of legal authority could delay SAR efficiency | legislation Establish SAR legislation | Burundi | 31/12/09 | A |
| | Annex 12, 2.4, Annex 12, 3.2.4: AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Coordinate with States concerned. | Burundi and Adjacent States. | | |
| <i>Cameroon</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Cameroon and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Cameroon | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Cameroon | 31/12/09 | A |
| <i>Cape Verde</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Central African Republic</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | CAR and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | CAR | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | CAR | 31/12/09 | A |
| <i>Chad</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Chad and adjacent States | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|---------------------------|---|-------------------------------|---|----------------------------|---|---|-----------------------------------|---------------------------------------|-----------------|
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Chad | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Chad | 31/12/09 | A |
| <i>Comoros</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Comoros and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Comoros | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Comoros | 31/12/09 | A |
| <i>Congo</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Congo and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Congo | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Congo | 31/12/09 | A |
| <i>Côte d'Ivoire</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Cote d'Ivoire and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Cote d'Ivoire | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Cote d'Ivoire | 31/12/09 | A |
| <i>Dem. Rep. of Congo</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | DRC and adjacent | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|--------------------------|---|-------------------------------|---|----------------------------|---|--|---------------------------------------|---------------------------------------|-----------------|
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | States DRC | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | DRC | 31/12/09 | A |
| <i>Djibouti</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Djibouti and adjacent States | 31/12/09 | A |
| | Annex 12, 2.4, Annex 12, 3.2.4, AFI/7 Rec. 6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | I) Provide SPOC to ICAO: ii) Implement 406 MHz acft. | Djibouti | 31/12/09 | A |
| | Annex 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Djibouti | 31/12/09 | A |
| <i>Egypt</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Equatorial Guinea</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Equatorial Guinea and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Equatorial Guinea | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for | 1995 | Lack of legal | Establish SAR | Equatorial | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|-------------------------|---|-------------------------------|---|----------------------------|---|---|---------------------------------------|---------------------------------------|-----------------|
| <i>Eritrea</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | the SAR authority Establish SAR agreements | 1995 | authority could delay SAR efficiency. Delay to conduct SAR OPS | legislation Coordination with States concerned | Guinea Eritrea and adjacent States | 31/12/09 | A |
| | Annex 12, 3.1.6, 3.1.7 | SAR Legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR | Establish SAR Agreements | Eritrea | 31/12/09 | A |
| <i>Ethiopia</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3. | SAR Agreements | - | 1995 | Delay to conduct SAR/OPS | Coordinate with States concerned. | Ethiopia and adjacent States | 31/12/09 | A |
| <i>France (Réunion)</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Gabon</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Gabon and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Gabon | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Gabon | 31/12/09 | A |
| <i>Gambia</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Gambia and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Gambia | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Gambia | 31/12/09 | A |
| <i>Ghana</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Ghana and adjacent States | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|----------------------|---|-------------------------------|---|----------------------------|---|--|-----------------------------|---------------------------------------|-----------------|
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Ghana | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Ghana | 31/12/09 | A |
| <i>Guinea</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Guinea and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Guinea | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Guinea | 31/12/09 | A |
| <i>Guinea Bissau</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Kenya</i> | 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 not implemented | 1993 | Delay to conduct SAR OPS | 121.5 Mhz implemented. 406 MHz not Implemented. | Kenya | 31/12/09 | A |
| | Annex 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR Authority | 1995 | Lack of legal authority could delay SAR efficiency. | Development of draft legislation is on going | Kenya | 31/12/09 | A |
| | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1996 | Delay to conduct SAR OPS | Signed with EAC States only. To coordinate with other neighbouring States concerned outside EAC. | Kenya and adjacent States | 31/12/09 | A |
| <i>Lesotho</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Lesotho and adjacent States | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|-------------------|---|-------------------------------|---|----------------------------|---|---|-----------------------------|---------------------------------------|-----------------|
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Lesotho | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Lesotho | 31/12/09 | A |
| <i>Liberia</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Liberia and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Liberia | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Liberia | 31/12/09 | A |
| <i>Libya</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Libya and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Libya | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Libya | 31/12/09 | A |
| <i>Madagascar</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Madagascar adjacent States | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Madagascar | 31/12/09 | A |
| <i>Malawi</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Malawi and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Malawi | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could | Establish SAR legislation | Malawi | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|-------------------|---|-------------------------------|---|----------------------------|---|---|--------------------------------|---------------------------------------|-----------------|
| <i>Mali</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | delay SAR efficiency. Delay to conduct SAR OPS | Coordinate with States concerned | Mali and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Mali | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Mali | 31/12/09 | A |
| <i>Mauritania</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Mauritania and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Mauritania | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Mauritania | 31/12/09 | A |
| <i>Mauritius</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Mauritius and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Mauritius | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Mauritius | 31/12/09 | A |
| <i>Morocco</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Morocco and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Morocco | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR | Establish SAR legislation | Morocco | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|-------------------|---|-------------------------------|---|----------------------------|---|---|--------------------------------|---------------------------------------|-----------------|
| <i>Mozambique</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | efficiency. Delay to conduct SAR OPS | Coordinate with States concerned | Mozambique and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Mozambique | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Mozambique | 31/12/09 | A |
| <i>Namibia</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Namibia and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Namibia | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Namibia | 31/12/09 | A |
| <i>Niger</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Niger and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Niger | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Niger | 31/12/09 | A |
| <i>Nigeria</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Nigeria and adjacent States | 31/12/09 | A |
| <i>Rwanda</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Rwanda and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Rwanda | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Rwanda | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|--------------------------------|---|-------------------------------|---|----------------------------|---|---|---|---------------------------------------|-----------------|
| <i>Sao Tome & Principe</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Sao Tome & Principe and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Sao Tome & Principe | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Sao Tome & Principe | 31/12/09 | A |
| <i>Senegal</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Senegal and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Senegal | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Senegal | 31/12/09 | A |
| <i>Seychelles</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Seychelles and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Seychelles | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Seychelles | 31/12/09 | A |
| <i>Sierra Leone</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Somalia</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Somalia and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, | SARSAT ELT | 406 MHz | 1993 | Delay to conduct | Implement 406 | Somalia | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|---------------------------|---|-------------------------------|---|----------------------------|---|---|-------------------------------|---------------------------------------|-----------------|
| | Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | | | | | SAR OPS | | | |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Somalia | 31/12/09 | A |
| <i>South Africa</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Spain (Canary Is.)</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Sudan</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Sudan and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Sudan | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Sudan | 31/12/09 | A |
| <i>Swaziland</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Swaziland and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Swaziland | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Swaziland | 31/12/09 | A |
| <i>Tanzania</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Tanzania and adjacent States | 31/12/09 | A |
| <i>Togo</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Togo and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Togo | 31/12/09 | A |

| <i>State Name</i> | <i>Requirements</i> | <i>Facilities or services</i> | <i>Description of Deficiency</i> | <i>Date first reported</i> | <i>Comments on Deficiency</i> | <i>Description of corrective action</i> | <i>Executing Body</i> | <i>Target date for implementation</i> | <i>Priority</i> |
|-------------------|---|-------------------------------|---|----------------------------|---|---|------------------------------|---------------------------------------|-----------------|
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Togo | 31/12/09 | A |
| <i>Tunisia</i> | This State has no deficiency in this field. | | | | | | | | |
| <i>Uganda</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Uganda and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Uganda | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Uganda | 31/12/09 | A |
| <i>Zambia</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Zambia adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Zambia | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Zambia | 31/12/09 | A |
| <i>Zimbabwe</i> | Annex 12, 3.1.5, AFI/7 Conc.6/3 | SAR Agreements | - | 1991 | Delay to conduct SAR OPS | Coordinate with States concerned | Zimbabwe and adjacent States | 31/12/09 | A |
| | Annexe 12, 2.4, Annexe 12, 3.2.4, AFI/7 Rec.6/1 and 6/2 | SARSAT ELT | 406 MHz | 1993 | Delay to conduct SAR OPS | Implement 406 MHz in acft. – Provide SPOC to ICAO | Zimbabwe | 31/12/09 | A |
| | Annexe 12, 3.1.6, 3.1.7 | SAR legislation | Provide legal framework for the SAR authority | 1995 | Lack of legal authority could delay SAR efficiency. | Establish SAR legislation | Zimbabwe | 31/12/09 | A |

MINIMUM DEFICIENCIES REPORTING LIST

| Item No | Deficiencies | | | | Corrective Action | | | |
|--|---|--|---------------------|---|-------------------|--|---|--------|
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| CLASSIFICATION OF AIRSPACES [Annex 11, 2.6] | | | | | | | | |
| 1. | [Annex 11 Para 2.3] [AFI/7 Rec. 5/21] GPI-4 | Lack of provision of area control service | | Inefficient and unsafe provision of ATS | | | | |
| PERFORMANCE-BASED NAVIGATION [Annex 11, 2.7] [A37 Resolution] | | | | | | | | |
| 2. | [Annex 11, Para 2.7] AFI/7 Rec. 6/9 | Lack of implementation of PBN | | Will not achieve targets set as part of Global PBN implementation goals | | | | |
| 3. | [A37 Resolution] [AFI/7 Conc. 5/7] GPI-5, GPI-11, GPI-21 | Implementation of RNAV and RNP operations | | | | | | |

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| 4. | [A37 Resolution] GPI-5, GPI-14, GPI-21 | Implementation of approach procedures with vertical guidance (APV) | | | | | | |
| 5. | [A37 Resolution] GPI-5, GPI-14, GPI-21 | Implementation of LNAV only procedures | | | | | | |
| 6. | [AFI/7, Rec 5/16] GPI-5 | State database of approval status | | | | | | |
| 7. | [Annex 11, 2.27.1] | States Safety Plan (SSP) | | | | | | |
| 8. | [Annex 11, 2.27.3] [PANS-ATM, Chapter 2] | Safety management system (SMS) | | Cannot achieve or guarantee acceptable level of safety in the provision of ATS | | | | |
| LANGUAGE PROFICIENCY [Annex 11, 2.29] | | | | | | | | |
| 9. | [Annex 1 Annex 11] [A37-10 Resolution] [AFI/7 RAN] | Language proficiency | | | | | | |

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| 10. | [PANS-ATM Chapter 12] | Non use of appropriate language for ATS provision | | Can result in confusion and misinterpretation of instructions which can impact on safety of air navigation | | | | |
| AIRSPACE MANAGEMENT (ASM) | | | | | | | | |
| 11. | [AFI/7, Rec. 5/1] GPI-7 | Cooperative approach to airspace management | | Lack of safe, orderly and expeditious flow of air traffic Lack of efficiency in upper airspace management | | | | |
| 12. | [Annex 11 Para 2.12] | Non standard use of ATS Route designators | | Confusion/misinterpretation of ATC requirements for position reports that can affect situation awareness and lead to provision of non standard separation minima by ATC Units. | | | | |
| 13. | [PANS-ATM Chapter 2] | Uncoordinated use of waypoints (5LNCs) | | Conflicting waypoints (having same name but different coordinates) Similar pronunciation of waypoints located within close proximity | | | | |

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| 14. | [AFI/7, Rec. 5/3] [Annex 11 Para 2.17, 2.30] GPI-1 | Civil/military coordination | | Lack of effective civil/military coordination resulting in unsafe and inefficient use of airspace | | | | |
| 15. | [Annex 11 Para 2.12] | Non implementation of Table of ATS 1 | | Lack of route continuity across the region Inefficient use of airspace | | | | |
| 16. | [AFI/7, Rec. 5/2] [Annex 11] | Contingency planning | | Uncoordinated and unsafe operation of aircraft during disruption of ATS within affected airspace(s). | | | | |
| 17. | [LIM AFI, Rec. 2/1] GPI-3, GPI-4 | Plane of division between the lower and upper airspace | | Non applicability of uniform division between lower and upper airspace across FIRs and ICAO Regions | | | | |
| 18. | [AFI/7, Rec. 5/5] | Publication of interception of civil aircraft information in aeronautical information publications | | Lack of clear procedures applicable for interception of civil aircraft | | | | |

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| 19. | [AFI/7, Rec. 5/10] [Annex 11] [Doc 9426] GPI-11 | Establishment of standard departure and arrival routes | | Lack of safe, orderly and expeditious flow of air traffic | | | | |
| 20. | [AFI/7, Rec. 5/4] | Ratification of Article 3 <i>bis</i> of the Convention on International Civil Aviation | | | | | | |
| AIR TRAFFIC SERVICES (ATS) | | | | | | | | |
| 21. | [Annex 11 Chapter 3,4&5] | Implementation of ATS provisions | | Unsafe provisions of ATS | | | | |
| 22. | [Annex 11 Para 2.3] [AFI/RAN Rec 5/21] | Lack of provision of area control service | | Inefficient and unsafe provision of ATS | | | | |
| 23. | [AFI/7 RAN Rec 14/7] [Annex 1] | Lack of trained and competent personnel in the provision of ATS | | Unsafe provision of ATS | | | | |

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| 24. | [PANS ATM Chapter 10] | Operational Letters of Agreements between ATS units | | Unsafe operation of traffic due to outdated LOAs Unsafe operation of traffic due to lack of LOAs | | | | |
| 25. | [AFI/7, Rec. 5/6] | Operational Letter of Agreement between ATS and military units | | Lack of uniformity in application of ICAO standards relating to interception of civil aircraft | | | | |
| 26. | [PANS-ATM Chapter 4] | Poor ATC proficiency and lack of proper ATC procedures | | Inconsistent and unsafe provision of ATS | | | | |
| 27. | [AFI/7, Rec. 5/22] | Repetitive flight plans | | | | | | |
| 28. | [AFI/7, Rec. 5/26] | Reporting and analysis of ATS incidents | | | | | | |
| 29. | GPI-2 | RVSM approvals and monitoring | | Lack of updated information on RVSM approved aircraft | | | | |
| 30. | [APIRG Conc.17/43] | Application of strategic lateral offset procedures (SLOP) | | Lack of direct routings Lack of efficiency in aircraft operations | | | | |
| 31. | [PANS-ATM] [Doc 7030] | RVSM flight levels restriction | | Non-efficient use of RVSM airspace | | | | |

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| 32. | [AFI/6, Rec. 7/11] | Compliance with standard radiotelephony phraseologies and procedures | | Lack of applicability of standard radiotelephony phraseologies and procedures can create confusion and impact on safety of air navigation | | | | |
| 33. | [PANS-ATM Chapter 5] | Use of non- standard separation minima | | Increased potential for air traffic incidents including accidents | | | | |
| 34. | [SP/RAN] [Annex 11 Para 3.3.5.1] | Non provision of RMA data | | Insufficient data results in incomplete safety assessment by ARMA | | | | |
| 35. | [Annex 11 Chapter 7] | Non provision of Met information at ATS units | | Lack of provision of timely and accurate met information to pilots can affect operational decisions and safety of operations | | | | |
| FLIGHT INFORMATION SERVICE (FIS) | | | | | | | | |
| 36. | [AFI/6, Rec. 6/12] | Provision of aerodrome flight information service | | Lack of AFIS can impact on safety of air navigation | | | | |
| 37. | [AFI/7, Rec. 5/12] GPI-22 | Implementation of VHF radio coverage | | Non availability of two-way communication between ATS units and aircraft | | | | |

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| 38. | [AFI/6, Rec. 6/15] GPI-4 | Air traffic advisory service | | | | | | |
| ATS REQUIREMENTS FOR AERONAUTICAL FIXED SERVICE COMMUNICATIONS | | | | | | | | |
| 39. | [LIM AFI, Rec. 10/36] GPI-22 | Implementation of ATS direct speech circuits | | | | | | |
| 40. | [AFI/7, Rec. 5/24] GPI-22 | Improvement of communications | | | | | | |
| AERONAUTICAL INFORMATION MANAGEMENT (AIM) | | | | | | | | |
| 41. | [Annex 15 Para 3.7.1] | Non implementation of WGS-84 | | Unable to implement basic PBN requirements | | | | |
| 42. | [Annex 15 Para 4.1- 4.2] | Non standard format of AIP | | Difficulty to locate essential safety information relevant to conditions of services | | | | |
| 43. | [Annex 15 Para 5] | Lack of regular and effective updating of AIP | | Lack of updated information can lead to safety of air navigation being compromised | | | | |

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| 44. | [Annex 15, Para 3.1.1.2, 3.1.4, 3.1.6, 3.2.1 & 4.1] | AIP containing conflicting/misleading information within the different sections | | Can cause confusion as to the accuracy and reliability of information that can be utilised by users | | | | |
| 45. | [Annex 15, Para 5] | Lack of implementation of AIRAC system | | Publication of critical aeronautical information will not follow standard procedure and can impact on safety of air navigation | | | | |
| 46. | [Annex 15, Para 5] | Lack of timely issuance of notams | | Non- availability of critical aeronautical information via notams | | | | |
| 47. | Annex 4, [Para 3.2, 7.2, 13.2 & 16.2] [Annex 15, Para 4.2.3] | Non production of aeronautical charts appropriate to the State | | Lack of critical information essential for safety of air navigation | | | | |
| 48. | [Annex 4] | Non use of standard units of measurement | | Can impact on safety of air navigation | | | | |
| 49. | [Annex 15, Para 3.2] | Non implementation of AIS Quality Management System (QMS) | | Cannot guarantee quality and accuracy of aeronautical data being published in the AIP | | | | |
| 50. | [Doc 8126, Para 3.2.2 & 3.3] | Lack of effective AIS system | | Processes and procedures relating to AIS will not be reliable and standardised | | | | |

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| 51. | [Annex 15, Para 3.6.5] | Lack of AIS automation | | Increases the chance of human errors during processing of aeronautical information and reduces efficiency of AIS | | | | |
| 52. | [Annex 15, Para 8.1] | Non provision of pre-flight information service at international airports | | Lack of pre-flight information can affect flight planning by users and safety of air navigation | | | | |
| 53. | [Annex 15, Para 8.1] | Lack of AIS Aerodrome Units at International Airports | | Cannot guarantee provisions of AIS | | | | |
| 54. | [Annex 15, Para 3.2] | Lack of adequate training of AIS personnel | | Inadequate human resources to sustain the provision of AIS | | | | |
| ATS REQUIREMENT FOR OPERATIONAL FLIGHT INFORMATION | | | | | | | | |
| 55. | [AFI/7, Rec. 5/14] GPI-19, GPI-22 | HF and VHF VOLMET broadcasts | | | | | | |
| COMMUNICATIONS | | | | | | | | |
| 56. | [AFI/7, Rec. 9/7] GPI-22 | Aeronautical fixed telecommunication network (AFTN) | | | | | | |

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| 57. | [AFI/7, Rec. 9/5] GPI-22 | AFTN COM centre management | | | | | | |
| 58. | [AFI/7, Rec. 9/4] GPI-22 | AFTN circuits/performance | | | | | | |
| 59. | [AFI/7, Rec. 9/3] GPI-22 | AFTN efficiency | | | | | | |
| 60. | [AFI/6, Rec. 12/26] GPI-22 | AFS personnel training | | | | | | |
| 61. | [LIM AFI, Rec. 7/13] GPI-22 | Liaison visits by communication centre personnel | | | | | | |
| 62. | [AFI/7, Rec. 9/10] GPI-19, GPI-22 | Satellite broadcast | | | | | | |
| 63. | [AFI/6, Rec. 13/4] GPI-22, GPI-23 | Provision of SELCAL | | | | | | |

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| 64. | [LIM AFI, Rec. 8/5] GPI-22, GPI-23 | Elimination of interference on AMS frequencies | | | | | | |
| 65. | [LIM AFI, Rec. 8/6] GPI-22, GPI-23 | Measures to reduce harmful interference from carrier systems | | | | | | |
| 66. | GPI-22, GPI-23 | VHF frequency utilization list | | | | | | |
| 67. | [AFI/6, Rec. 13/13] GPI-22, GPI-23 | Notification of frequency assignments | | | | | | |
| 68. | [AFI/6, Rec. 13/14] GPI-22, GPI-23 | VHF channels for aerodrome and approach control | | | | | | |
| 69. | [Annex 11, Chapter 6] | Lack of essential communication facilities to support the provisions of ATS (internal and external) | | Lack of coordination of flights Unsafe operation of flights with increased risks of incidents | | | | |
| 70. | [APIRG Conc. 13/18] GPI-22, GPI-23 | Frequency stability and effective adjacent channel rejection characteristic in the VHF mobile | | | | | | |

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| 71. | [AFI/6, Rec. 13/3] | Improved use of the aeronautical mobile service (HF) | | | | | | |
| 72. | [APIRG Conc.17/25] GPI-17, GPI-22 | Implementation of controller-pilot data link communications (CPDLC) | | Congestion in communication No assurance of two-way communications between ATS and aircraft where VHF/HF communication is not available or unreliable | | | | |
| 73. | [AFI/6, Rec. 13/12, FASID Table ATS 2] GPI-19, GPI-22 | HF VOLMET broadcasts | | | | | | |
| NAVIGATION (FASID Table CNS 3) | | | | | | | | |
| 74. | GPI-21, GPI-23 | Planning principles for radio navigation aids | | | | | | |
| 75. | [AFI/6, Rec. 14/1] GPI-21 | Testing of radio navigation aids | | | | | | |
| 76. | [AFI/6, Rec. 14/3] GPI-21 | Reliability of operation of radio navigation aids | | | | | | |

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| 77. | [AFI/6, Rec. 14/4] GPI-21, GPI-23 | Notification of frequency assignments to radio navigation aids | | | | | | |
| 78. | [AFI/7, Conc. 10/1] GPI-21 | Flight checking of radio navigation aids | | | | | | |
| 79. | [AFI/7, Rec. 10/2] GPI-21, GPI-23 | Geographical separation criteria for VOR and/or VOR/DME installations in the AFI region | | | | | | |
| 80. | [AFI/7, Rec. 10/3] GPI-21, GPI-23 | Geographical separation criteria for ILS installations in the AFI region | | | | | | |
| 81. | [LIM AFI, Rec. 9/3] GPI-23 | Frequency utilization lists LF/MF, 108 MHz to 117.975 MHz and 960 MHz to 1 215 MHz bands | | | | | | |
| 82. | GPI-23 | Geographical separation criteria for VHF air-ground communications | | | | | | |

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| SURVEILLANCE (FASID Tables CNS 4A and 4B) | | | | | | | | |
| 83. | [APIRG Conc.17/31] GPI-9, GPI-17 | Implementation of automatic dependent surveillance (ADS-C) | | | | | | |
| 84. | [AFI/7, Conc. 11/2] GPI-9, GPI-17 | Application of procedures for 24-bit aircraft address assignment | | | | | | |
| 85. | [PANS-ATM Chapter 8] | Lack of essential surveillance facilities to support the provisions of ATS | | Ineffective and inefficient surveillance facilities can impact on outcome of emergencies | | | | |
| SEARCH AND RESCUE (SAR) | | | | | | | | |
| 86. | [Annex 12, Chapter 3] AFI/7 Rec. 6/3 | Lack of Search and Rescue Agreements between neighboring States | | Lack of SAR agreements can be detrimental to safety of persons in distress where searches overlap national boundaries. | | | | |

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| 87. | [Annex 12, Section 4.3] | Search and rescue units | | Lack of adequately trained search and rescue units and adequate survival and medical supplies can seriously affect the conduct and outcome of SAR operation | | | | |
| 88. | [Annex 12, Section 4.4] | Search and rescue exercises | | Lack of regular training of search and rescue personnel and conduct of regular search and rescue exercises can prevent achievement of maximum efficiency in search and rescue operation. | | | | |
| 89. | AFI/7 Rec. 6/1 AFI/7 Rec. 6/2 | Satellite aided search and rescue | 2006 | Lack of implementation will result in difficulty in detection, identification and location of activated 406 Mhz ELTs and loss of valuable time for SAR | | | | |
| REDUCED VERTICAL SEPARATION MINIMA (RVSM) | | | | | | | | |
| 90. | AFI/RAN 8 Rec. 5/21 | No safety data | | No contribution to CRA | CAAs/ACCs to periodically submit data to ARMA | Target date: 1/8/2011 | | |
| 91. | Annex 6 | No records of Approvals/ Withdrawals | 2006 | RVSM safety reduction in separation | RVSM Approvals/Withdrawals to be submitted to ARMA (F2, F3) | Target date: 1/8/2011 | | |
| 92. | Annex 6 | No or limited Height Monitoring | 2006 | No monitoring of ASE | CAAs to comply with Height Monitoring Plan | Target date: 1/8/2011 | | |

Note: ICAO Council definition of a Deficiency:

A deficiency is a situation where a facility, service or procedure does not comply with a regional air navigation plan approved by the Council, or with related ICAO Standards and Recommended Practices, and which situation has a negative impact on the safety, regularity and/or efficiency of international civil aviation.