



INTERNATIONAL CIVIL AVIATION ORGANIZATION  
AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP  
FIFTEENTH MEETING (APIRG/15)

(Nairobi, Kenya, 26 – 30 September 2005)

**Agenda Item 5: Deficiencies in the Air Navigation Fields**  
**5.2: List of deficiencies in the air navigation field**

**Deficiencies in the ATS/AIS/SAR fields**

(Presented by the Secretariat)

Summary

This paper presents the list of deficiencies in the ATS, AIS and SAR fields as updated by the Eighth Meeting of the ATS/AIS/SAR Sub-Group (Dakar, 10 – 12 August 2005). It incorporates updates from States in response to a State Letter as well as inputs directly received from States through missions and correspondence. In carrying out the updates, the Sub-Group made recommendations for appropriate remedial action and proposed target dates for implementation/elimination.

**References:**

ATS/AIS/SAR/SG/7 Report.

**1. Introduction**

1.1 The Sub-Group recalled the concerns of the Air Navigation Commission (ANC) and the Council related to the impact of air navigation deficiencies on safety. The Sub-Group noted the appreciation by the ANC and the Council of the efforts made by the APIRG as well as those of States to identify, assess and report air navigation deficiencies.

**2. Discussion**

2.1 The Sub-Group, using the approved methodology, updated the list of deficiencies in the ATS, SAR and AIS/MAP fields as shown in **Appendices A, B and C** to this paper.

2.2 The Sub-Group noted with appreciation that there was a marked improvement in the elimination of the previous deficiencies. In the ATS field 50% of the deficiencies have been rectified, in the AIS field 75% of the deficiencies have also been rectified. In the SAR field, though there were some improvements, issues relating to SAR Legislation and SAR Agreement continue to be prevalent. These are being addressed under the ICAO/AFCAC SAR Project.

2.3 In light of the discussions the meeting formulated draft conclusion **8/30** which is reproduced below:

**Draft Conclusion 8/30: Consideration of specific air navigation planning and implementation problems and the review of air navigation deficiencies in the Region**

**That considering the negative impact of non implementation of the air navigation plan requirements and the persistence of serious cases of deficiencies in several parts of the AFI region; and**

- a) **States concerned should take as soon as possible concrete measures to eliminate all deficiencies at Appendix A, B and C to this working paper.**
- b) **the matter be regularly followed up by the ICAO regional offices; and**
- c) **results be brought to the attention of APIRG.**

**3. Action required:**

That APIRG:

- a) note the list of deficiencies in ATS, AIS and SAR fields appearing in the **Appendices A, B and C** to this working paper as updated by the Secretariat and the ATS/AIS/SAR Sub-Group.
  - b) update the list as appropriate on the basis of **Appendices A, B and C**.
  - c) invite ICAO Secretariat to coordinate with the States concerned in order for them to take remedial action in a timely manner.
  - d) develop a modified conclusion taking into account the content of the ATS/AIS/SAR/SG/8 draft conclusion **8/30** based on a), b) and c) above.
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## English 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.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UR981                   | Casablanca-Marrakech-BULIS-Gao-Niamey-Lagos.                                   | 1995                       | Aircraft subjected to fly non-economical routes                  | States concerned to coordinate common implementation date (Route segment implemented in Algeria). | Mali-Mauritania-Morocco-Niger-Nigeria     | 31/12/04                              | A               |
|                   | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UR986                   | Tunis-Ghadames-In Amenas-Djanet-Kano-Foumban-Yaoundé-France Ville              | 1995                       | Aircraft subjected to fly non-economical routes                  | States concerned to coordinate common implementation date.  | Algeria                                   | 31/12/04                              | A               |
|                   | Annex 11 Appendix 2                             | Five-letter name code         | Route crossings not identified   | 1998                       | Difficulties for pilots identifying potential traffic conflicts. | ICAO Regional Office concerned allocate the 5-letter name codes.                                  | Algeria                                   | 31/12/04                              | A               |
|                   | APIRG/13 Conc.13/43                             | FIR Algiers                   | Non-implementation of 10 minutes longitudinal separation.                      |                            |  |   |   | 31/12/04                              | U               |
|                   | AFI/7 Rec.5/21                                  | FIR Algiers                   | Non-implementation of ATC in the upper airspace.                               |                            |  |   |   | 31/12/04                              | U               |
|                   | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UA293                   | (Ibiza) (KIRLA) Tiaret.  | 1995                       | Aircraft subjected to fly non-economical routes.                 | States concerned to coordinate common implementation date.  | Algeria                                   | 31/12/04                              | A               |
|                   | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UM999                    | Casablanca-Errachidia-El Golea-Zarzaitine-Sebha-Sarir-New Valley-Luxor-Jeddah. | 1995                       | Aircraft subjected to fly non-economical routes.                 | States concerned to coordinate common implementation date.  | Algeria-Egypt-Libya-Morocco-Saudi Arabia. | 31/12/04                              | 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> |
|---------------------|---|----------------------------------|--|----------------------------|--|---|---|---------------------------------------|-----------------|
|                     | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UG623                      | (BALEN) Annaba-Tebessa-Ghardaia.   | 1995                       | Aircraft subjected to fly non-economical routes.         | States concerned to coordinate common implementation dates. | Algeria.  | 31/12/04                              | A               |
| <i>Angola</i>       | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UM731                       | Carbonara-OSMAR- Tunis-Jerba-FARES-Dirkou-N'Djamena-Berberati-Saurimo-Johannesburg | 1996                       | Aircraft subjected to fly non-economical routes.         | States concerned to coordinate common implementation dates. | Angola-Botswana-Central African Republic-Congo(DRC)-Chad-Libya-Niger –South Africa-Zambia | 31/12/04                              | A               |
|                     | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UM998                       | Gaborone-Maun-Luena-Kinshasa   | 1996                       | Aircraft subjected to fly non-economical routes.         | States concerned to coordinate common implementation dates. | Angola-Botswana-DR. Congo.  | 31/12/04                              | A               |
|                     | AFI/7 Rec.5/21.                                 | Provision of ATC 150 NM concept. | Non-provision of ATC Service 150 NM of Huambo                                      | 1998                       | Steep descent for arrival and steep climb for departure. | Implement as required.                                      | Angola  | 31/12/04                              | U               |
| <i>Benin</i>        | This State has no deficiency in this field.     |                                  |  |                            |  |   |   |                                       |                 |
| <i>Botswana</i>     | AFI/7 Rec.5/21                                  | RNAV UM731                       | Johannesburg-Saurimo   | 1990                       | Aircraft subjected to fly non-economical routes.         | States concerned to coordinate common implementation dates. | Angola-Botswana-South Africa-Zambia   | 31/12/04                              | A               |
| <i>Burkina Faso</i> | This State has no deficiency in this field.     |                                  |  |                            |  |   |   |                                       |                 |
| <i>Burundi</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>Cameroon</i>                 | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UA861                              | Lagos-Garoua  | 1994                       | Aircraft subjected to fly non-economical routes.                  | States concerned to coordinate common implementation dates.  | Cameroon                    | 31/12/04                              | A               |
| <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>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                       | 31/12/04                              | U               |
| <i>Côte d'Ivoire</i>            | This State has no deficiency in this field.     |  |   |                            |   |  |                             |                                       |                 |
| <i>Dem. Rep. of Congo</i>       | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | UM731                                    | Johannesburg-Saurimo-Berberati  | 1995                       | Aircraft subjected to fly non-economical routes.                  | States concerned to coordinate common implementation dates. (Need of VHF coverage before implementation) | Angola-Botswana-Congo (DRC) | 31/12/04                              | A               |
|                                 | AFI/7 Rec.5/21                                  | FIR Kinshasa                             | Non-provision of ATC service.   | -                          | -   | -  | -                           | 31/12/04                              | U               |

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|--------------------------|---|-------------------------------|--|----------------------------|--|--|-------------------------|---------------------------------------|-----------------|
|                          | APIRG/13 Conc.13/43                             | FIR Kinshasa                  | Non-implementation of 10 minute longitudinal separation. | -                          | -  | -  | -                       | 31/12/04                              | U               |
|                          | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UA617                   | Kinshasa-Windhoek  | 1995                       | Aircraft subjected to fly non-economical routes. | States concerned to coordinate common implementation date. (Coordination Meeting with Military Authorities ongoing). | Congo (DRC)             | 31/12/04                              | U               |
|                          | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UL612                    | Goma-EI Dhaba(Paleohora)                                 | 1995                       | Aircraft subjected to fly non-economical routes. | States concerned to coordinate common implementation dates.  | Congo (DRC)-Egypt-Sudan | 31/12/04                              | A               |
| <i>Djibouti</i>          | This State has no deficiency in this field.     |                               |  |                            |  |  |                         |                                       |                 |
| <i>Egypt</i>             | This State has no deficiency in this field.     |                               |  |                            |  |  |                         |                                       |                 |
| <i>Equatorial Guinea</i> | This State has no deficiency in this field.     |                               |  |                            |  |  |                         |                                       |                 |
| <i>Eritrea</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                 | 1/9/2005                              | A               |
| <i>Ethiopia</i>          | This State has no deficiency in this field.     |                               |  |                            |  |  |                         |                                       |                 |
| <i>France (Réunion)</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>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                 | 31/12/04                              | A               |
| <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>         | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UM999                      | Zarzaitine-Sebha-Sarir-New Valley              | 1994                       | Aircraft subjected to fly non-economical routes.           | States concerned to coordinate common implementation dates. | Libya                 | 31/12/04                              | A               |
|                      | AFI/7 Rec.5/21                                  | Provision of ATC 150 NM concept | Non-provision of ATC 150 NM of Tripoli.        | 1990                       | Delayed descent for arrival and steep climb for departure. | Implement as required.                                      | Libya                 | 31/12/04                              | U               |

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|-------------------|---|-------------------------------|---|----------------------------|---|--|---------------------------|---------------------------------------|-----------------|
|                   | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UA748                   | (Gozo)-Tripoli-Mizda- Cairo-Sharm Sheikh  | 1994                       | Aircraft subjected to fly non-economical routes.                      | States concerned to coordinate common implementation dates.  | Libya and adjacent States | 31/12/04                              | A               |
|                   | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UG623                   | BALEN-Annaba-Tebessa-Ghadames   | 1994                       | Aircraft subjected to fly non-economical routes.                      | States concerned to coordinate common implementation dates.  | Libya                     | 31/12/04                              | A               |
|                   | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UG855                   | Tripoli-Ghadames-B. Omar Driss  | 1994                       | Aircraft subjected to fly non-economical routes.                      | States concerned to coordinate common implementation dates.  | Libya                     | 31/12/04                              | A               |
|                   | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UG864                   | Tunis-Tebessa-Ghardaia-Timmimoun  | 1994                       | Aircraft subjected to fly non-economical routes.                      | States concerned to coordinate common implementation dates.  | Libya                     | 31/12/04                              | A               |
|                   | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UM994                    | Monastir-Mitiga-Beni- Walid-ORNAT   | 1994                       | Aircraft subjected to fly non-economical routes.                      | States concerned to coordinate common implementation dates.  | Libya                     | 31/12/04                              | A               |
|                   | AFI/7 Rec.5/1                                   | Airspace Management           | 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                       | 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 | 31/12/04                              | 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> |
|-------------------|---|-------------------------------|--|----------------------------|--|---|-----------------------|---------------------------------------|-----------------|
|                   | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UA411                   | Jerba-Tripoli-Beni-Walid-Benina-GERFA-Mersa Matruh-Cairo | 1994                       | Aircraft subjected to fly non-economical routes. | States concerned to coordinate common implementation dates. | Libya                 | 31/12/04                              | A               |
|                   | AFI/7 Rec.5/1                                   | P21-R23-Airspace Management   | Prohibited area-Restricted area                          | 1990                       | Non-availability of direct routing.              | State concerned to withdraw these areas.                    | Libya                 | 31/12/04                              | A               |
| <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. | Route UR981                   | Casablanca-Marrakech-BULIS.                              | 1995                       | Aircraft subjected to fly non-economical routes. | States concerned to coordinate common implementation dates. | Morocco               | 31/12/04                              | 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> |
|--------------------------------|---|---------------------------------|--|----------------------------|--|---|-----------------------|---------------------------------------|-----------------|
|                                | 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      | 31/12/04                              | U               |
| <i>Mozambique</i>              | This State has no deficiency in this field.     |                                 |  |                            |  |   |                       |                                       |                 |
| <i>Namibia</i>                 | AFI/7 Rec.5/21                                  | Provision of ATC 150 NM concept | Non-provision of ATC service 150 NM Windhoek                         | 1994                       | Delayed descent for arrival and steep climb for departure.         | To Implement as required.                                   | Namibia               | 31/12/04                              | U               |
| <i>Niger</i>                   | This State has no deficiency in this field.     |                                 |  |                            |  |   |                       |                                       |                 |
| <i>Nigeria</i>                 | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UA861                     | Lagos-Garoua   | 1995                       | Aircraft subjected to fly non-economical routes.                   | States concerned to coordinate common implementation dates. | Nigeria               | 31/12/04                              | A               |
|                                | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UM998                      | Ngaoundere-Maiduguri-Djanet  | 1995                       | Aircraft subjected to fly non-economical routes.                   | -   | Nigeria               | 31/12/04                              | A               |
| <i>Rwanda</i>                  | This State has no deficiency in this field.     |                                 |  |                            |  |   |                       |                                       |                 |
| <i>Sao Tome &amp; Principe</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>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               | 31/12/04                              | U               |
|                           | AFI/7 Rec.5/21                                  | Route UG207                      | Mogadishu-Karachi                                 | 1990                       | Aircraft subjected to fly non-economical routes.           | States concerned to coordinate common implementation date. | Somalia               | 31/12/04                              | 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>              | 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                 | 17/02/05                              | A               |
|                           | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UR995                      | Merowe-Addis Ababa                                | 1994                       | Aircraft subjected to fly non-economical routes.           | To be deleted and replaced by UM665.                       | Sudan                 | 17/02/05                              | A               |

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|-------------------|---|-------------------------------|---|----------------------------|--|---|-----------------------|---------------------------------------|-----------------|
|                   | 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                 | 17/02/05                              | A               |
|                   | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | RNAV UM220                    | Lodwar-A.Simbel   | 1994                       | Aircraft subjected to fly non                    | States concerned to coordinate common implementation dates.   | Sudan                 | 17/02/05                              | 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                    | Overlaps UB607 need to review alignment at appropriate forum. | Sudan                 | 17/02/05                              | 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                    | States concerned to coordinate common implementation dates.   | Sudan                 | 17/02/05                              | 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                    | Not acceptable now in Khartoum FIR.                           | Sudan                 | 17/02/05                              | A               |
|                   | AFI/7 Rec.5/8 and Table ATS 1 AFI ANP Doc.7474. | Route UA618                   | Bukavu-Malakal  | 1994                       | Aircraft subjected to fly non                    | Not available now in Khartoum FIR.                            | Sudan                 | 17/02/05                              | 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                    | State to expedite implementation process.                     | Sudan                 | 17/02/05                              | 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             | 31/12/04                              | 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>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 | 31/12/04                              | A               |
| <i>Togo</i>           | This State has no 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>Western Sahara</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.     |                               |                                  |                            |  |  |                        |                                       |                 |

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| <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>Central African Republic</i> | This State has no deficiency in this field.             |                               |   |                            |   |  |                              |                                       |                 |
| <i>Chad</i>                     | This State has no deficiency in this field.             |                               |   |                            |   |  |                              |                                       |                 |
| <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  | 31/12/04                              | 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                      | 31/12/04                              | 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                      | 31/12/04                              | A               |
| <i>Congo</i>                    | This State has no deficiency in this field.             |                               |   |                            |   |  |                              |                                       |                 |
| <i>Côte d'Ivoire</i>            | This State has no deficiency in this field.             |                               |   |                            |   |  |                              |                                       |                 |
| <i>Dem. Rep. of Congo</i>       | This State has no deficiency in this field.             |                               |   |                            |   |  |                              |                                       |                 |
| <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 | 31/12/04                              | 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                     | 31/12/04                              | 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> |
|--------------------------|---|-------------------------------|---|----------------------------|---|---|------------------------------|---------------------------------------|-----------------|
|                          | 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                     | 31/12/04                              | A               |
| <i>Egypt</i>             | This State has no deficiency in this field. |                               |   |                            |   |   |                              |                                       |                 |
| <i>Equatorial Guinea</i> | This State has no deficiency in this field. |                               |   |                            |   |   |                              |                                       |                 |
| <i>Eritrea</i>           | Annex 12, 3.1.5, AFI/7 Conc.6/3             | SAR Agreements                | Establish SAR agreements                      | 1995                       | Delay to conduct SAR OPS                            | Coordination with States concerned      | Eritrea and adjacent States  | 1/3/2005                              | 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                      | 1/3/2005                              | 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 | 31/12/04                              | 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>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>Western Sahara</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. |                            |                               |   |                       |                                       |                 |

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| <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>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>          | This State has no deficiency in this field. |                               |   |                            |   |   |                       |                                       |                 |
| <i>France (Réunion)</i>  | This State has no deficiency in this field. |                               |   |                            |   |   |                       |                                       |                 |
| <i>Gabon</i>             | This State has no deficiency in this field. |                               |   |                            |   |   |                       |                                       |                 |
| <i>Ghana</i>             | Annex 15, 3.3                               | Integrated AIS package        |   | 01/01/98                   | Non-availability of latest status of information. | Distribute regularly                    | Gambia                | 31/12/04                              | U               |
| <i>Gambia</i>            | This State has no deficiency in this field. |                               |   |                            |   |   |                       |                                       |                 |
| <i>Guinea</i>            | Annex 15, 3.3                               | Integrated AIS package.       | Irregular distribution of AIS package                         | 01/01/98                   | Non-availability of latest status of information. | Distribute regularly                    | Guinea                | 31/12/04                              | U               |
| <i>Guinea Bissau</i>     | Annex 15, 3.6.4                             | Coordinates WGS-84            | Accuracy of coordinates in accordance with Annexes 11 and 14. | 01/01/98                   | Delay in introduction of GNSS                     | Implementation of WGS-84 coordinates    | Guinea-Bissau         | 31/12/04                              | U               |
| <i>Kenya</i>             | This State has no deficiency in this field. |                               |   |                            |   |   |                       |                                       |                 |
| <i>Lesotho</i>           | Annex 15, 4.1                               | Lack of new AIP format        | Irregular distribution of AIS package                         | 01/01/96                   | Non-availability of AIP affects safety            | Implement and publish new AIP           | Lesotho               | 31/12/04                              | U               |



| <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>Rwanda</i>                  | Annex 4, 3.2 and 13.2 Rec.12/31 AFI/7.       | ICAO Mandatory Charts.   | Non-availability of ICAO Aerodrome Chart and Aerodrome Obstacle Chart - Type A for Kigali.  | 1979                       | Lack of these charts affects safety. | Publish the two charts for Kigali.      | Rwanda                     | 31/12/04                              | U               |
| <i>Sao Tome &amp; Principe</i> | Annex 15, 5.1                                | NOTAM  | Irregular Publication of NOTAM.   | 1991                       | Lack of NOTAM affects safety.        | Publish regularly.                      | Sao Tome (Brazzaville FIR) | 31/12/04                              | U               |
| <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>            | Annex 15, 5.1                                | NOTAM  | Irregular Publication of NOTAM Publication of reported points.  | 1991                       | Lack of NOTAM affects safety         | Publish regularly                       | Sierra Leone (Roberts FIR) | 31/12/04                              | U               |
| <i>Somalia</i>                 | Annex 4, 3.2, 11.2 and 13.2, AFI/7 Rec.12/31 | ICAO Aerodrome Chart and the ICAO Aerodrome Obstacle Chart - Type A. | Non-availability of ICAO Aerodrome Chart, ICAO Aerodrome Obstacle Chart type A and ICAO Instrument Approach Chart for Hargeisa, Kismayu, Mogadishu. | 1990                       | Lack of these charts affects safety. | Publish the three Charts as required    | Somalia                    | 31/12/04                              | U               |
|                                | Annex 15, 3.6.4                              | Coordinates WGS84  | Accuracy of coordinates to be established in accordance with Annexes 11 and 14.   | 01/01/98                   | Delay in introduction of GNSS        | Implementation of WGS-84 coordinates    | Somalia                    | 31/12/04                              | 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>          | Annex 4, 13.2 15, 8.1                       | ICAO Mandatory Charts.   | Non-availability of ICAO Aerodrome Chart for Khartoum.                 | 1990                       | Lack of this chart affects safety. | Publish the required chart              | Sudan                 | 31/12/04                              | U               |
| <i>Swaziland</i>      | Annex 4, para 3.2 and Rec.12/31 AFI/7       | Non-availability of ICAO Aerodrome Chart and the ICAO Aerodrome Obstacle Chart - Type A. | Non-availability of ICAO Aerodrome Obstacle Chart type A for Matsapha. | 1991                       | Lack of this chart affects safety. | Publish the required chart.             | Swaziland             | 31/12/04                              | U               |
| <i>Tanzania</i>       | This State has no deficiency in this field. |  |  |                            |                                    |   |                       |                                       |                 |
| <i>Togo</i>           | This State has no 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>Western Sahara</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. |  |  |                            |                                    |   |                       |                                       |                 |