



INTERNATIONAL CIVIL AVIATION ORGANIZATION

SECOND MEETING OF THE AFI REGION AIM IMPLEMENTATION TASK FORCE

(Nairobi, Kenya, 17 – 19 December 2012)

Agenda Item 6: Review of the National Plans submitted by States in accordance with the Roadmap for the transition from AIS to AIM and a review of the current status in the AFI Region as per state circular letter ref. T 2/7-0725 dated 7 August 2012.

AERONAUTICAL INFORMATION MANAGEMENT (AIM)

(Presented by the Secretariat)

SUMMARY

This working paper outlines the need for a strategic transition from AIS to AIM and presents the results of the survey carried out as per Appendix 3.5 H of the APIRG/18 Report circulated under State Letter Ref. T 2/7-0725 dated 7 August 2012.

1. Introduction

1.1 The APIRG/18 meeting was apprised of the latest developments related to AIM and reiterated the need for the implementation of APIRG/17 Conclusion 17/86 (a) and (b) for a strategic and harmonized transition from AIS to AIM.

CONCLUSION 17/86: TRANSITION FROM AIS TO AIM

That, recognizing the limitations of the current AIS, which does not meet the new global ATM system requirements envisioned by the ATM operational concept, and taking into consideration the ICAO roadmap for the transition from AIS to AIM:

- a) **States that have not yet done so, are urged to develop national plans to implement the transition from AIS to AIM and send them to the ICAO ESAF and WACAF Regional Offices before 31 December 2010; and**
- b) **AFI AIM implementation task force monitors the progress of transition from AIS to AIM in the AFI Region and support regional and national planning efforts.**

2. Discussion

2.1 The APIRG/18 meeting noted the follow-up action to the APIRG/17 Conclusion 17/86, and endorsed Appendix-3.5H in order to conduct a survey to assess the current status of AIM implementation as per the National Plans for the transition from AIS to AIM. The meeting also agreed that States provide their National Plans related to the transition from AIS to AIM or as a minimum, a status report against the 21 steps of the ICAO Roadmap for the transition from AIS to AIM as listed in Appendix-3.5I of the APIRG/18 Report.

2.2 The replies received from ASECNA, Tunisia, South Africa, Botswana and Tanzania were reviewed.

2.3 Based on the above, it is noted that an important number of States have not yet developed a National Plan for the transition from AIS to AIM as required by APIRG/17 Con. 17/86.

2.4 As a follow-up action to the APIRG/17 Conclusion 17/86, the ICAO WACAF Office, through State Letter Ref.: T 2/7-0476 dated 16 June 2011, requested all AFI States to complete the questionnaire related to National Plans for the transition from AIS to AIM and send it back to the AFI Regional Offices of Dakar and Nairobi by 7 July 2011.

2.5 As a follow-up action of the APIRG/18 Conclusion 18/35, the ICAO WACAF Office, through State Letter Ref.: T 2/7-0725 dated 7 August 2012, requested all AFI States to complete/update the questionnaire related to National Plans for the transition from AIS to AIM and send it back to the AFI Regional Offices of Dakar and Nairobi by 31 August 2012.

2.6 The meeting may wish to note that replies to the above-mentioned State Letter are still pending. Based on the information provided by States as reflected in **Attachment A** to this working paper, the following is to be highlighted:

- An important number of States have not yet developed/provided a National Plan for the transition from AIS to AIM, based on the ICAO Roadmap.
- Many AFI States have completed the implementation of Phase 1 (consolidation).
- Noted that the majority of States that have not replied to the questionnaire are encountering some difficulties during this period of the transition from AIS to AIM, in particular:
 - tight timescales;
 - financial constraints ;
 - manpower availability, capacity, and knowledge (required expertise);
 - training of Staff: it will be a great challenge to organise, train and assess the involved staff for the future relevant tasks. One of the main problems is to develop the required competency for the involved experts preparing the implementation of the ICAO Roadmap;
 - lack of detailed ICAO guidance material; in particular an AIS-AIM Transition Manual with detailed description of steps to assist States in the implementation process;
 - necessity to amend the National Regulations to include AIM requirements;
 - institutional issues (especially regarding electronic/digital data);
 - implementation of an Integrated Aeronautical Information Database;
 - increased workload for the regulators to oversight the whole data chain (e.g. surveyors, aerodromes, etc.);
 - implementation of data quality and data integrity monitoring according to ADQ regulation;
 - awareness and commitment of data originators, and adoption of appropriate arrangements with all data originators;
 - electronic data exchange with all data originators; and
 - eTOD implementation.

1.1 With regard to the timescales specified in the ICAO Roadmap for the transition from AIS to AIM, many AFI States are not able to achieve these timescales which needs to be reviewed, especially for Phase 2 and Phase 3:

- Phase 1 (2009):

Ok/Achieved	2012	2013	2015	No Answer/ Plan
	22	-	-	-

- Phase 2 (2009-2011):

2012	2013	2014	2015	2016	2017	No Answer/Plan
-	17	5	-	-	-	-

- Phase 3 (2011-2016):

2013	2014	2015	2016	2017	Beyond 2017	No Answer/Plan
-	-	-	-	-	-	-

2.7 With respect to e-TOD implementation, as a follow-up action to the APIRG/17 Conclusions 17/88 (*e-TOD Checklist*), 17/89 (*Adoption of the e-TOD implementation Plan Model*), 17/91 (*e-TOD Implementation Awareness Campaigns*), 17/92 (*Development and Management of a National e-TOD Programme*), 17/93 (*Coordination between States and Data Providers/Integrators for the provision of e-TOD and exchange of experience for the implementation of e-TOD requirements*), 17/94 (*Responsibility for the provision of e-TOD*), and 17/95 (*Provision of Financial Resources and Assistance for the Implementation of e-TOD*), the ICAO WACAF Office, through State Letter Ref.: T 2/7-0476 dated 16 June 2011, encouraged all AFI States to maintain continuous follow-up implementation action and inform the AFI Regional Offices of Dakar and Nairobi on the results attained by 7 July 2011.

2.8 As a follow-up action of the APIRG/18 Decision 18/36 and 18/37 listed as follows:

DECISION 18/36: PROPOSAL FOR AMENDMENT TO THE AFI ANP/FASID (DOC 7474) RELATED TO E-TOD:

That, ICAO circulates and processes the amendment proposal for the AFI ANP/FASID (Part VIII) at Appendix 3.5B and C.

CONCLUSION 18/37: AFI REGION E-TOD IMPLEMENTATION SEMINAR/WORKSHOP

That ICAO:

- a) **organize regional seminar/workshop for States to promote harmonized implementation of e-TOD and;**
- b) **encourage States to send participants to the workshop.**

2.9 The ICAO WACAF Office, through State Letter Ref.: T 2/7-0635 dated 17 July 2012, requested all AFI States to take all necessary measures to implement the provisions of the APIRG Conclusions pertaining to e-TOD and to provide their updated e-TOD implementation plan template as per APIRG/17 Appendices—3.6D and 3.6E. AFI States were also requested to provide their e-TOD implementation timelines on the APIRG/18-Appendix-3.5D table, specifying in particular, the status of implementation of Area 1 and Area 4 which were applicable since November 2008. Furthermore, States were encouraged to maintain continuous follow-up implementation action and inform the AFI Regional Offices of Dakar and Nairobi by 30 September 2012 on the results attained.

2.10 Some States have requested assistance from ICAO, especially for the:

- development of appropriate AIM SARPs and guidance material to assist States in the transition from AIS to AIM;
- organisation of special training courses, Seminars, Workshops and awareness campaigns related to AIM;
- development of specific web portals for the dissemination of information/guidance material related to the transition from AIS to AIM;
- expansion of the Roadmap to address additional phases to guide the move towards SWIM (e.g. web-based data services based on standardised data models and protocols); and
- alignment of the Roadmap for the Transition from AIS to AIM with other regional initiatives (AFI-CAD) to enable international harmonization.

2.11 The meeting may wish to note that SWIM has emerged as a fundamental requirement with respect to the evolution of the Future Global ATM System and the development of a Global SWIM concept that suitably incorporates the basic requirements of other National/Regional programmes (AFI-CAD) and has become a priority. As a consequence, the development of an AIM Operational Concept that will move beyond the present AIS-AIM Roadmap target of “digital AIS products” to a more fully expressed and integrated information resource (the AIM domain being one of several) is becoming an urgent need. Such a concept should serve as a guide for the development of Amendment 38 to Annex 15 (by 2016) and ensure that AIM fits within a larger SWIM environment.

2.12 The meeting may wish to note that an AIM Operational Concept has been developed and presented to the 12th Air Navigation Conference (November 2012) and a Draft PANS-AIM Document might be ready for presentation to the MET/AIM Divisional Meeting scheduled for 2014.

2.13 In connection with the above, the meeting may wish to recall that the 37th Session of ICAO Assembly (2010) directed the Organization to sustain its focus on safety and redouble its efforts to support global interoperability. Consequently, ICAO established a Technical Team (TT) and corresponding Challenge Team (CT) to come together to develop Aviation System Block Upgrade (ASBU) concept.

2.14 ASBUs address ANSP, Aircraft and Regulatory requirements. They are related to 4 key Performance Improvement Areas (PIA):

- Greener Airports;
- Globally Interoperable Systems and Data;
- Optimum Capacity and Flexible Flights; and
- Efficient Flight Path.

2.15 Each PIA has 4 Blocks (Blocks 0, 1, 2 and 3) and each block has a number of corresponding modules described in standardized templates. A block should propose an understandable performance benefit, related to a change in operations, supported by procedures, technology, regulation/standards as necessary and a positive business case. A block should also not be seen in isolation or as a final achievement.

2.16 Block 1 Modules for Globally Interoperable Systems and Data is comprised of:

- FF-ICE 1;
- Digital ATM Info; and
- SWIM.

2.17 Considering all the foregoing, it's proposed that an AIM/SWIM Seminar be organized in the AFI Region, in order to provide States with a better understanding of the planning and implementation issues

related to the transition from AIS to AIM to Information Management/SWIM, and expedite the implementation of the AIM/SWIM requirements in a harmonized manner.

Why	To provide States with a better understanding of the planning and implementation issues related to the transition from AIS to AIM to Information Management/SWIM; and expedite the implementation of the AIM/SWIM requirements in a harmonized manner.
What	AIM/SWIM Seminar (SIP)
Who	ICAO in coordination with EUROCONTROL and the FAA
When	2014

Draft Conclusion - XX/6 – AIM/SWIM SEMINAR, SIP FOR THE AFI REGION

That the ICAO Regional Offices Dakar, and Nairobi, **in order** to provide AFI States with a better understanding of the planning and implementation issues related to the transition from AIS to AIM to Information Management/SWIM, and expedite the implementation of the AIM/SWIM requirements in a harmonized manner with other regions, undertake necessary action, in coordination with EUROCONTROL, and the FAA for the organisation of an AIM/SWIM Seminar, as a Special Implementation Project (SIP) for 2014.

3. Action by the Meeting

3.1 The Task Force is invited to:

- a) note the contents of this paper;
- b) review and update, as appropriate, the information at **Attachment A** to this paper; and
- c) endorse the Draft Conclusion at para. 2.17.

ATTACHMENT A - FOLLOW UP TO APIRG/17 CONCLUSION 17/86 (AIM)

Summary of replies to State Letter Ref.: T 2/7-0725 dated 7 August 2012

1. National Plan for the transition from AIS to AIM

a) Have you developed a National Plan for the transition from AIS to AIM? If Yes, is it based on the ICAO Roadmap (Phases 1, 2 and 3) ?		YES	NO
Angola			
Benin	ASECNA Plan is based on ICAO Roadmap	X	
Burkina Faso	ASECNA Plan is based on ICAO Roadmap	X	
Botswana	National Plan is based on ICAO Roadmap	X	
Burundi			X
Cape Verde			X
Central African Republic	ASECNA Plan is based on ICAO Roadmap	X	
Chad	ASECNA Plan is based on ICAO Roadmap	X	
Comoros			X
Congo	ASECNA Plan is based on ICAO Roadmap	X	
Cote d'Ivoire	ASECNA Plan is based on ICAO Roadmap	X	
Democratic Republic of Congo			X
Djibouti			X
Equatorial Guinea	ASECNA Plan is based on ICAO Roadmap	X	
Eritrea			X
Ethiopia			X
Gabon		X	
Gambia			X
Ghana			X
Guinea			X
Guinea Bissau		X	
Kenya	National Plan is based on ICAO Roadmap	X	
Lesotho			X
Liberia			X

a) Have you developed a National Plan for the transition from AIS to AIM? If Yes, is it based on the ICAO Roadmap (Phases 1, 2 and 3) ?		YES	NO
Madagascar	ASECNA Plan is based on ICAO Roadmap	X	
Malawi			X
Mali	ASECNA Plan is based on ICAO Roadmap	X	
Mauritanie	ASECNA Plan is based on ICAO Roadmap	X	
Mauritius			X
Mozambique			X
Namibia	The Transition is based on ICAO Roadmap	X	
Niger			X
Nigeria	Yes, it's based on the ICAO Roadmap (phase 1,2 and 3)	X	
Rwanda			X
Sao Tome and Principe			X
Senegal	ASECNA Plan is based on ICAO Roadmap	X	
Seychelles			X
Sierra Leone			X
Somalia			X
South Africa	Yes, it's based on the ICAO Roadmap (phase 1,2 and 3)	X	
Swaziland			X
Togo	ASECNA Plan is based on ICAO Roadmap	X	
Tunisia	Yes, it's based on the ICAO Roadmap (phase 1,2 and 3)	X	
Uganda			X
United Republic of Tanzania	National Plan is based on ICAO Roadmap	X	
Zambia			X
Zimbabwe			X

2. Phase 1 – Consolidation (2009)

a) What do you consider a realistic timeframe for the implementation of Phase 1?	
Angola	
Benin	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Burkina Faso	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Botswana	

a) What do you consider a realistic timeframe for the implementation of Phase 1?	
Burundi	
Cape Verde	
Central African Republic	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Chad	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Comoros	
Congo	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Cote d'Ivoire	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Democratic Republic of Congo	
Djibouti	
Equatorial Guinea	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Eritrea	
Ethiopia	
Gabon	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Gambia	
Ghana	
Guinea	
Guinea Bissau	
Kenya	
Lesotho	
Liberia	
Madagascar	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Malawi	
Mali	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Mauritanie	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Mauritius	
Mozambique	
Namibia	
Niger	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Nigeria	
Rwanda	
Sao Tome and Principe	
Senegal	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Seychelles	
Sierra Leone	

a) What do you consider a realistic timeframe for the implementation of Phase 1?	
Somalia	
South Africa	
Swaziland	
Togo	2014- due to data quality implementation-SLA are not yet established with data originators and the publisher (ASECNA)
Tunisia	
Uganda	
United Republic of Tanzania	
Zambia	
Zimbabwe	

b) What is the status of implementation of the following steps of Phase 1 in your State?			
P-03 — AIRAC adherence monitoring			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Burkina Faso	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Botswana			
Burundi			
Cape Verde			
Central African Republic	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Chad	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Comoros	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication

			(amendment-NOTAM-Supplement and AIC)
Congo	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Cote d'Ivoire	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Eritrea			
Ethiopia			
Gabon	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Gambia			
Ghana			
Guinea			
Guinea Bissau	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Kenya			
Lesotho			
Liberia			
Madagascar	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Malawi			
Mali	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor

			the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Mauritanie	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Mauritius			
Mozambique			
Namibia			
Niger	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Seychelles			To be specified
Sierra Leone	Fully implemented due to Eurocontrol P-tracker, AMMON reports and EAD SDO		
Somalia			
South Africa			
South Sudan			
Swaziland			
Togo	Full compliance with AIRAC	Monitored since 2009	Indicator is established to monitor the compliance of all publication (amendment-NOTAM-Supplement and AIC)
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 1 in your State?			
P-04 — Monitoring of States' differences to Annex 4 and Annex 15			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	Any differences specified in AIP		
Burkina Faso	Any differences specified in AIP		
Botswana			
Burundi			
Cape Verde			
Central African Republic	Any differences specified in AIP		
Chad	Any differences specified in AIP		
Comoros	Any differences specified in AIP		
Congo	Any differences specified in AIP		
Cote d'Ivoire	Any differences specified in AIP		
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	Any differences specified in AIP		
Eritrea			
Ethiopia			
Gabon	Any differences specified in AIP		
Gambia			
Ghana			
Guinea	Any differences specified in AIP		
Guinea Bissau	Any differences specified in AIP		
Kenya			
Lesotho			
Liberia			
Madagascar	Any differences specified in AIP		
Malawi			
Mali	Any differences specified in AIP		-
Mauritania	Any differences specified in AIP		
Mauritius			
Mozambique			

Namibia			
Niger	Any differences specified in AIP		
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	Any differences specified in AIP		
Seychelles			
Sierra Leone			
Somalia			
South Africa	All differences are published in the AIP		
Swaziland			
Togo	Any differences specified in AIP		
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 1 in your State?			
P-05 — WGS-84 implementation			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Burkina Faso	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Botswana			
Burundi			
Cape Verde			
Central African Republic	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Chad	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Comoros	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for

			2013
Congo	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Cote d'Ivoire	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Eritrea			
Ethiopia			
Gabon	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Gambia			
Ghana			
Guinea			
Guinea Bissau	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Kenya			
Lesotho			
Liberia			
Madagascar	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Malawi			
Mali	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Mauritanie	100% implemented for all important aerodromes	Maintenance and update are planed	
Mauritius			
Mozambique			
Namibia			
Niger	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for

			2013
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	100% implemented for all important aerodromes	Maintenance and update are planed	Additional survey is planned for 2013
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 1 in your State?

P-17 — Quality

	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Burkina Faso	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Botswana			
Burundi			
Cape Verde			
Central African Republic	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Chad	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA

	and NOF until 2013		
Comoros	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Congo	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Cote d'Ivoire	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Eritrea			
Ethiopia			
Gabon	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Gambia			
Ghana			
Guinea			
Guinea Bissau	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Kenya	Implemented		
Lesotho			
Liberia			
Madagascar	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA

Malawi			
Mali	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Mauritanie	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Mauritius			
Mozambique			
Namibia			
Niger	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Nigeria	Implemented		
Rwanda			
Sao Tome and Principe			
Senegal	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Seychelles			
Sierra Leone			
Somalia			
South Africa	Implemented		
South Sudan			
Swaziland			
Togo	QMS is established in AIS aerodrome units but any SLA is signed with data originators. Automation system will be in use between aerodrome AIS units and NOF until 2013	SLA establishment are planned for 2013/2014	Automation with THALES system ANAIS and NOIPA
Tunisia			
Uganda			
United Republic of Tanzania	Implemented		
Zambia			

Zimbabwe			
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3. Phase 2 – Going Digital (2009 – 2011)

a) What do you consider a realistic timeframe for the implementation of Phase 2?	
Angola	
Benin	2016- due to eTOD implementation which needs important means (technical and financial)
Burkina Faso	2016- due to eTOD implementation which needs important means (technical and financial)
Botswana	
Burundi	
Cape Verde	
CentralAfrican Republic	2016- due to eTOD implementation which needs important means (technical and financial)
Chad	2016- due to eTOD implementation which needs important means (technical and financial)
Comoros	2016- due to eTOD implementation which needs important means (technical and financial)
Congo	2016- due to eTOD implementation which needs important means (technical and financial)
Cote d'Ivoire	2016- due to eTOD implementation which needs important means (technical and financial)
Democratic Republic of Congo	
Djibouti	
Equatorial Guinea	2016- due to eTOD implementation which needs important means (technical and financial)
Eritrea	
Ethiopia	
Gabon	2016- due to eTOD implementation which needs important means (technical and financial)
Gambia	
Ghana	
Guinea	
Guinea Bissau	2016- due to eTOD implementation which needs important means (technical and financial)
Kenya	
Lesotho	
Liberia	
Madagascar	2016- due to eTOD implementation which needs important means (technical and financial)
Malawi	
Mali	2016- due to eTOD implementation which needs important means (technical and financial)
Mauritanie	2016- due to eTOD implementation which needs important means (technical and financial)

a) What do you consider a realistic timeframe for the implementation of Phase 2?	
Mauritius	
Mozambique	
Namibia	
Niger	2016- due to eTOD implementation which needs important means (technical and financial)
Nigeria	
Rwanda	
Sao Tome and Principe	
Senegal	2016- due to eTOD implementation which needs important means (technical and financial)
Seychelles	
Sierra Leone	
Somalia	
South Africa	
Swaziland	
Togo	2016- due to eTOD implementation which needs important means (technical and financial)
Tunisia	
Uganda	
United Republic of Tanzania	
Zambia	
Zimbabwe	

b) What is the status of implementation of the following steps of Phase 2 in your State?			
P-01 — Data quality monitoring			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators- Data quality indicator is available and monitored	SLA establishment is planned for 2013	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Burkina Faso	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators- Data quality indicator is available and monitored	SLA establishment is planned for 2013	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Botswana			
Burundi			

Cape Verde			
Central African Republic	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators- Data quality indicator is available and monitored	SLA establishment is planned for 2013	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection

Chad	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored	SLA establishment is planned for 2013.	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Comoros	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored	SLA establishment is planned for 2013	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Congo	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored	SLA establishment is planned for 2013	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Cote d'Ivoire	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored.	SLA establishment is planned for 2013	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored	SLA establishment is planned for 2013.	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Eritrea			
Ethiopia			
Gabon	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored	SLA establishment is planned for 2013.	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Gambia			
Ghana			
Guinea			
Guinea Bissau	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored.	SLA establishment is planned for 2013.	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Kenya			
Lesotho			
Liberia			
Madagascar	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored.	SLA establishment is planned for 2013.	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Malawi			
Mali	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored.	SLA establishment is planned for 2013.	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection

Mauritanie	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored.		Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Mauritius			
Mozambique			
Namibia			
Niger	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored.	SLA establishment is planned for 2013	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored.	SLA establishment is planned for 2013	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	A structured monitoring system is implemented in 2012. Quality-SLA must be established with data originators-Data quality indicator is available and monitored.	SLA establishment is planned for 2013	Closer and permanent collaboration and coordination between ASECNA and CAA for national data collection
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 2 in your State?			
P-02 — Data integrity monitoring			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	More awareness of actors to make a multiple check before	Since 2011	Post-checks are done in order to correct

	publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)		timely any mistakes in publication
Burkina Faso	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Botswana			
Burundi			
Cape Verde			
Central African Republic	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Chad	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Comoros	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Congo	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Cote d'Ivoire	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Eritrea			
Ethiopia			
Gabon	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Gambia			
Ghana			
Guinea			
Guinea Bissau	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication

Kenya			
Lesotho			
Liberia			
Madagascar	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Malawi			
Mali	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Mauritanie	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Mauritius			
Mozambique			
Namibia			
Niger	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	More awareness of actors to make a multiple check before publishing any data. Three checks are needed before data release (data originator-aerodrome AIS unit-NOF)	Since 2011	Post-checks are done in order to correct timely any mistakes in publication
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			

Zimbabwe			
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b) What is the status of implementation of the following steps of Phase 2 in your State?			
P-06 — Integrated aeronautical information database			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Burkina Faso	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Botswana			
Burundi			
Cape Verde			
Central African Republic	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Chad	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Comoros	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Congo	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Cote d'Ivoire	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Democratic			

Republic of Congo			
Djibouti			

Equatorial Guinea	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Eritrea			
Ethiopia			
Gabon	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Gambia			
Ghana			
Guinea			
Guinea Bissau	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Kenya			
Lesotho			
Liberia			
Madagascar	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Malawi			
Mali	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Mauritanie	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Mauritius			
Mozambique			
Namibia			
Niger	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA

Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	Static data base is implemented and is under test	Static data base will be in full operational on June 2013. Dynamic data base will be operational on April 2013.	Implementation with THALES solution Static data base : ANAIS Dynamic data base : NOPIA
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 2 in your State?			
P-07 — Unique identifiers			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	ASECNA Static data base named “AIMANT” is compliant with the specifications of AIXM/AICM	2013	
Burkina Faso	ASECNA Static data base named “AIMANT” is compliant with the specifications of AIXM/AICM	2013	
Botswana			
Burundi			
Cape Verde			
Central African Republic	ASECNA Static data base named “AIMANT” is compliant with the specifications of AIXM/AICM	2013	
Chad	ASECNA Static data base named “AIMANT” is compliant with	2013	

	the specifications of AIXM/AICM		
Comoros	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Congo	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Cote d'Ivoire	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Eritrea			
Ethiopia			
Gabon	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Gambia			
Ghana			
Guinea			
Guinea Bissau	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Kenya			
Lesotho			
Liberia			
Madagascar	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Malawi			
Mali	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Mauritanie	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Mauritius			
Mozambique			
Namibia			
Niger	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Nigeria			
Rwanda			

Sao Tome and Principe			
Senegal	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	ASECNA Static data base named "AIMANT" is compliant with the specifications of AIXM/AICM	2013	
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 2 in your State?

P-08 — Aeronautical information conceptual model

	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	The data model which is used by AIXM 4.5 is implemented.		
Burkina Faso	The data model which is used by AIXM 4.5 is implemented.		
Botswana			
Burundi			
Cape Verde			
Central African Republic	The data model which is used by AIXM 4.5 is implemented.		
Chad	The data model which is used by AIXM 4.5 is implemented		
Comoros	The data model which is used by AIXM 4.5 is implemented		
Congo	The data model which is used by AIXM 4.5 is implemented.		
Cote d'Ivoire	The data model which is used by AIXM 4.5 is implemented.		
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	The data model which is used by AIXM 4.5 is implemented.		

Eritrea			
Ethiopia			
Gabon			
Gambia			
Ghana			
Guinea			
Guinea Bissau	The data model which is used by AIXM 4.5 is implemented.		
Kenya			
Lesotho			
Liberia			
Madagascar	The data model which is used by AIXM 4.5 is implemented.		
Malawi			
Mali	The data model which is used by AIXM 4.5 is implemented.		
Mauritanie			
Mauritius			
Mozambique			
Namibia			
Niger	The data model which is used by AIXM 4.5 is implemented.		
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	The data model which is used by AIXM 4.5 is implemented.		
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo			
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 2 in your State?

P-11 — Electronic AIP			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Burkina Faso	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Botswana			
Burundi			
Cape Verde			
Central African Republic	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Chad	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Comoros	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Congo	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Cote d'Ivoire	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Eritrea			
Ethiopia			
Gabon	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Gambia			
Ghana			
Guinea			
Guinea Bissau	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Kenya			

Lesotho			
Liberia			
Madagascar	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Malawi			
Mali	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Mauritania	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Mauritius			
Mozambique			
Namibia			
Niger	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Seychelles			
Sierra Leone			
Somalia			
South Africa			
South Sudan			
Swaziland			
Togo	eAIP is available in PDF and HTML format	Since 2006	AIP available in digital format (PDF) on CD and on the web
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 2 in your State?

P-13 — Terrain			
	Implemented	Planned	Additional

	(specify how)	(specify when/how)	comments/clarification required
Angola			
Benin	Not implemented	Planned for 2014/2015	
Burkina Faso	Not implemented	Planned for 2014/2015	
Botswana			
Burundi			
Cape Verde			
Central African Republic	Not implemented	Planned for 2014/2015	
Chad	Not implemented	Planned for 2014/2015	
Comoros	Not implemented	Planned for 2014/2015	
Congo	Not implemented	Planned for 2014/2015	
Cote d'Ivoire	Not implemented	Planned for 2014/2015	
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	Not implemented	Planned for 2014/2015	
Eritrea			
Ethiopia			
Gabon	Not implemented	Planned for 2014/2015	
Gambia			
Ghana			
Guinea			
Guinea Bissau	Not implemented	Planned for 2014/2015	
Kenya			
Lesotho			
Liberia			
Madagascar	Not implemented	Planned for 2014/2015	
Malawi			
Mali	Not implemented	Planned for 2014/2015	
Mauritanie	Not implemented	Planned for 2014/2015	
Mauritius			
Mozambique			
Namibia			
Niger	Not implemented	Planned for 2014/2015	
Nigeria			
Rwanda			

Sao Tome and Principe			
Senegal	Not implemented		
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	Not implemented	Planned for 2014/2015	
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 2 in your State?

P-14 — Obstacles

	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	Not implemented	Planned for 2014/2015	
Burkina Faso	Not implemented	Planned for 2014/2015	
Botswana			
Burundi			
Cape Verde			
Central African Republic	Not implemented	Planned for 2014/2015	
Chad	Not implemented	Planned for 2014/2015	
Comoros	Not implemented	Planned for 2014/2015	
Congo	Not implemented	Planned for 2014/2015	
Cote d'Ivoire	Not implemented	Planned for 2014/2015	
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	Not implemented	Planned for 2014/2015	
Eritrea			

Ethiopia			
Gabon	Not implemented	Planned for 2014/2015	
Gambia			
Ghana			
Guinea			
Guinea Bissau	Not implemented	Planned for 2014/2015	
Kenya			
Lesotho			
Liberia			
Madagascar	Not implemented	Planned for 2014/2015	
Malawi			
Mali	Not implemented	Planned for 2014/2015	
Mauritanie	Not implemented	Planned for 2014/2015	
Mauritius			
Mozambique			
Namibia			
Niger	Not implemented	Planned for 2014/2015	
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	Not implemented	Planned for 2014/2015	
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	Not implemented	Planned for 2014/2015	
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 2 in your State?			
P-15 — Aerodrome mapping			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	Available on PDF version	Planned for structured format in 2015	
Burkina Faso	Available on PDF version		
Botswana			
Burundi			
Cape Verde			
Central African Republic	Available on PDF version	Planned for structured format in 2015	
Chad	Available on PDF version	Planned for structured format in 2015	
Comoros	Available on PDF version	Planned for structured format in 2015	
Congo	Available on PDF version	Planned for structured format in 2015	
Cote d'Ivoire	Available on PDF version	Planned for structured format in 2015	
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	Available on PDF version	Planned for structured format in 2015	
Eritrea			
Ethiopia			
Gabon	Available on PDF version	Planned for structured format in 2015	
Gambia			
Ghana			
Guinea			
Guinea Bissau	Available on PDF version	Planned for structured format in 2015	
Kenya			
Lesotho			
Liberia			
Madagascar	Available on PDF version	Planned for structured format in 2015	
Malawi			
Mali	Available on PDF version	Planned for structured format in 2015	
Mauritania	Available on PDF version	Planned for structured format in 2015	
Mauritius			
Mozambique			

Namibia			
Niger	Available on PDF version	Planned for structured format in 2015	
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	Available on PDF version	Planned for structured format in 2015	
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	Available on PDF version	Planned for structured format in 2015	
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

4. Phase 3 – Information Management (2011 – 2016)

a) What do you consider a realistic timeframe for the implementation of Phase 3?	
Angola	
Benin	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Burkina Faso	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Botswana	
Burundi	
Cape Verde	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Central African Republic	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Chad	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Comoros	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Congo	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Cote d'Ivoire	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.

a) What do you consider a realistic timeframe for the implementation of Phase 3?	
Democratic Republic of Congo	
Djibouti	
Equatorial Guinea	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Eritrea	
Ethiopia	
Gabon	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Gambia	
Ghana	
Guinea	
Guinea Bissau	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Kenya	
Lesotho	
Liberia	
Madagascar	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Malawi	
Mali	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Mauritania	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Mauritius	
Mozambique	
Namibia	
Niger	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Nigeria	
Rwanda	
Sao Tome and Principe	
Senegal	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Seychelles	
Sierra Leone	
Somalia	
South Africa	
Swaziland	
Togo	We believe that the foreseen implementation time frame of Phase 3 is too ambitious and think that 2015-2020 would be a more realistic time frame.
Tunisia	
Uganda	
United Republic of Tanzania	

a) What do you consider a realistic timeframe for the implementation of Phase 3?	
Zambia	
Zimbabwe	

b) What is the status of implementation of the following steps of Phase 3 in your State?			
P-09 — Aeronautical data exchange			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Burkina Faso	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Botswana			
Burundi			
Cape Verde			
Central African Republic	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Chad	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Comoros	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Congo	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Cote d'Ivoire	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This	Exchange with AFICAD and EAD are to be established

		starts in 2013	
Eritrea			
Ethiopia			
Gabon	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Gambia			
Ghana			
Guinea			
Guinea Bissau	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Kenya			
Lesotho			
Liberia			
Madagascar	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Malawi			
Mali	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Mauritania	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Mauritius			
Mozambique			
Namibia			
Niger	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Seychelles			

Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	An AIXM interface from/to the central aeronautical database (refer to P-06) is available.	It is planned to implement the exchange model and mechanisms together with AICM 4.5. This starts in 2013	Exchange with AFICAD and EAD are to be established
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 3 in your State?			
P-10 — Communication networks			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Burkina Faso	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Botswana			
Burundi			
Cape Verde			
Central African Republic	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Chad	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Comoros	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Congo	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Cote d'Ivoire	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Democratic			

Republic of Congo			
Djibouti			
Equatorial Guinea	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Eritrea			
Ethiopia			
Gabon	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Gambia			
Ghana			
Guinea			
Guinea Bissau	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Kenya			
Lesotho			
Liberia			
Madagascar			
Malawi			
Mali	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Mauritania	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Mauritius			
Mozambique			
Namibia			
Niger	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Seychelles			
Sierra Leone			
Somalia			

South Africa			
Swaziland			
Togo	AFTN and INTERNET are use	Migration to AMHS is planned for 2013-2014 Internet width path is be improved for 2013-2014	
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 3 in your State?			
P-12 — Aeronautical information briefing			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Burkina Faso	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Botswana			
Burundi			
Cape Verde			
Central African Republic	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Chad	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Comoros	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Congo	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Cote d'Ivoire	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS

Eritrea			
Ethiopia			
Gabon	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Gambia			
Ghana			
Guinea			
Guinea Bissau	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Kenya			
Lesotho			
Liberia			
Madagascar	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Malawi			
Mali	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Mauritanie	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Mauritius			
Mozambique			
Namibia			
Niger	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	Briefing is provided by using NOTAM criteria Self-briefing or home briefing is possible from the WEB	Integrated briefing is planned for 2013 (NOTAM-MET-FPL)	With THALES solution ANAIS
Tunisia			

Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 3 in your State?			
P-16 — Training			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Burkina Faso	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Botswana			
Burundi			
Cape Verde			
Central African Republic	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Chad	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Comoros	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Congo	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Cote d'Ivoire	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Democratic Republic of Congo			
Djibouti			

Equatorial Guinea	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Eritrea			
Ethiopia			
Gabon	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Gambia			
Ghana			
Guinea			
Guinea Bissau	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Kenya			
Lesotho			
Liberia			
Madagascar	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Malawi			
Mali	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Mauritanie	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Mauritius			
Mozambique			
Namibia			
Niger	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.

Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	New program of on job training is implemented in 2012 at EAMAC for AIM agent (AIS unit operations- ARO operation-NOF operation-On job AIM teacher-AIM mapping-AIM officer)	A new ab-initial training program will be available to update subject to AIM evolution	Two initial training are planned : Technician for AIM operators and High Technician for AIM supervisors.
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 3 in your State?			
P-18 — Agreements with data originators			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola			
Benin	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Burkina Faso	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Botswana			
Burundi			
Cape Verde			
Central African	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be

Republic			appointed by CAA to work closer with ASECNA
Chad	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Comoros	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Congo	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Cote d'Ivoire	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Eritrea			
Ethiopia			
Gabon	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Gambia			
Ghana			
Guinea			
Guinea Bissau	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Kenya			
Lesotho			
Liberia			
Madagascar	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Malawi			
Mali	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be

			appointed by CAA to work closer with ASECNA
Mauritanie	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Mauritius			
Mozambique			
Namibia			
Niger	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	Not implemented	2013/2014 with CAA supervision	A national AIM coordinator will be appointed by CAA to work closer with ASECNA
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 3 in your State?

P-19 — Interoperability with meteorological products

	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
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Angola			
Benin	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Burkina Faso	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Botswana			
Burundi			
Cape Verde			
Central African Republic	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Chad	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Comoros	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Congo	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Cote d'Ivoire	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Democratic Republic of Congo			

Djibouti			
Equatorial Guinea	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Eritrea			
Ethiopia			
Gabon	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Gambia			
Ghana			
Guinea			
Guinea Bissau	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Kenya			
Lesotho			
Liberia			
Madagascar	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Malawi			
Mali	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Mauritania	Partially implemented, pre-flight information briefing will be provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	

Mauritius			
Mozambique			
Namibia			
Niger	Partially implemented, pre-flight information briefing will provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	Partially implemented, pre-flight information briefing will provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	Partially implemented, pre-flight information briefing will provided in harmonized way with the dynamic data base operation from 2013	Next step (fully integrated briefing) will be implemented after the design and implementation of the appropriate data exchange technology is finished (WXXM – Weather Exchange Model).	
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 3 in your State?

P-20 — Electronic aeronautical charts

	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
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Angola			
Benin	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Burkina Faso	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Botswana			
Burundi			
Cape Verde			
Central African Republic	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Chad	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Comoros			
Congo	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Cote d'Ivoire	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Eritrea			
Ethiopia			
Gabon	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart

			Display is too general.
Gambia			
Ghana			
Guinea			
Guinea Bissau	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Kenya			
Lesotho			
Liberia			
Madagascar	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Malawi			
Mali	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Mauritania	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Mauritius			
Mozambique			
Namibia			
Niger	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Seychelles			

Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	Only PDF format charts		More detailed specification are required; Annex 4, Chapter 20 Electronic Aeronautical Chart Display is too general.
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

b) What is the status of implementation of the following steps of Phase 3 in your State?			
P-21 — Digital NOTAM			
	Implemented (specify how)	Planned (specify when/how)	Additional comments/clarification required
Angola		Waiting for ICAO specifications	
Benin	Not implemented	Waiting for ICAO specifications	
Burkina Faso	Not implemented	Waiting for ICAO specifications	
Botswana			
Burundi			
Cape Verde			
Central African Republic	Not implemented	Waiting for ICAO specifications	
Chad	Not implemented	Waiting for ICAO specifications	
Comoros	Not implemented	Waiting for ICAO specifications	
Congo	Not implemented	Waiting for ICAO specifications	
Cote d'Ivoire	Not implemented	Waiting for ICAO specifications	
Democratic Republic of Congo			
Djibouti			
Equatorial Guinea			
Eritrea			

Ethiopia			
Gabon	Not implemented	Waiting for ICAO specifications	
Gambia			
Ghana			
Guinea			
Guinea Bissau	Not implemented	Waiting for ICAO specifications	
Kenya			
Lesotho			
Liberia			
Madagascar	Not implemented	Waiting for ICAO specifications	
Malawi			
Mali	Not implemented	Waiting for ICAO specifications	
Mauritania	Not implemented	Waiting for ICAO specifications	
Mauritius			
Mozambique			
Namibia			
Niger	Not implemented	Waiting for ICAO specifications	
Nigeria			
Rwanda			
Sao Tome and Principe			
Senegal	Not implemented	Waiting for ICAO specifications	
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	Not implemented	Waiting for ICAO specifications	
Tunisia			
Uganda			
United Republic of Tanzania			
Zambia			
Zimbabwe			

5. Do you expect any specific difficulty which could impede the transition from AIS to AIM?

		YES	NO
Angola			
Benin	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 	X	
Burkina Faso	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 	X	
Botswana			
Burundi			
Cape Verde			
Central African Republic	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 	X	
Chad			
Comoros			
Congo	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 	X	
Cote d'Ivoire	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 	X	

			YES	NO
Democratic Republic of Congo				
Djibouti				
Equatorial Guinea	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 		X	
Eritrea				
Ethiopia				
Gabon	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 		X	
Gambia				
Ghana				
Guinea				
Guinea Bissau	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 		X	
Kenya				
Lesotho				
Liberia				
Madagascar	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 		X	
Malawi				
Mali	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability 		X	

		YES	NO
	<ul style="list-style-type: none"> x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 		
Mauritanie	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 		
Mauritius			
Mozambique			
Namibia			
Niger	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 	X	
Nigeria			
Rwanda	1.		
Sao Tome and Principe			
Senegal	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 	X	
Seychelles			
Sierra Leone			
Somalia			
South Africa			
Swaziland			
Togo	<ul style="list-style-type: none"> x High cost for to do the survey for eTOD availability x Difficulties to establishment of SLA with data originators in the states . x Justification to aerodromes for additional costs related to the provision of survey data for digital mapping. 	X	

	YES	NO
Tunisia		
Uganda		
United Republic of Tanzania		
Zambia		
Zimbabwe		

6. What kind of assistance/support do you expect from ICAO to expedite the transition from AIS to AIM?

Angola	
Benin	<ul style="list-style-type: none"> x Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents. x Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training. <p>x Regional workshops and seminars to ensure consistency in the transition to AIM.</p>
Burkina Faso	<ul style="list-style-type: none"> x Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents. x Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training. <p>x Regional workshops and seminars to ensure consistency in the transition to AIM.</p>
Botswana	
Burundi	
Cape Verde	
Central African Republic	<ul style="list-style-type: none"> x Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents. x Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training. <p>x Regional workshops and seminars to ensure consistency in the transition to AIM.</p>
Chad	<ul style="list-style-type: none"> x Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents. x Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training. <p>x Regional workshops and seminars to ensure consistency in the transition to AIM.</p>
Comoros	<ul style="list-style-type: none"> x Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents. x Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.

	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Congo	x	Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents.
	x	Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.
	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Cote d'Ivoire	x	Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents.
	x	Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.
	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Democratic Republic of Congo		
Djibouti		
Equatorial Guinea	x	Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents.
	x	Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.
	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Eritrea		
Ethiopia		
Gabon	x	Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents.
	x	Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.
	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Gambia		
Ghana		
Guinea		
Guinea Bissau	x	Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents.
	x	Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.
	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Kenya		
Lesotho		
Liberia		
Madagascar	x	Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents.

	x	Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.
	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Malawi		
Mali	x	Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents.
	x	Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.
	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Mauritanie	x	Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents.
	x	Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.
	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Mauritius		
Mozambique		
Namibia		
Niger	x	Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents.
	x	Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.
	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Nigeria		
Rwanda		
Sao Tome and Principe		
Senegal	x	Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents.
	x	Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.
	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Seychelles		
Sierra Leone		
Somalia		
South Africa		
Swaziland		
Togo	x	Specific guidance material for implementation of each subject. Development of more detailed guidance materials, manuals, best practices examples and other supporting documents.
	x	Expeditious revisions to Annex 15, 4 and DOC 8126 when appropriate. Publish a DOC relative AIM personal training.

	x	Regional workshops and seminars to ensure consistency in the transition to AIM.
Tunisia		
Uganda		
United Republic of Tanzania		
Zambia		
Zimbabwe		

7. Do you have any suggestion to update/improve the ICAO Roadmap for the Transition from AIS to AIM?

Angola	
Benin	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Burkina Faso	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Botswana	
Burundi	
Cape Verde	
Central African Republic	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Chad	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Comoros	
Congo	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Cote d'Ivoire	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Democratic Republic of Congo	
Djibouti	
Equatorial Guinea	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Eritrea	
Ethiopia	
Gabon	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Gambia	
Ghana	

Guinea	
Guinea Bissau	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Kenya	
Lesotho	
Liberia	
Madagascar	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Malawi	
Mali	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Mauritanie	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Mauritius	
Mozambique	
Namibia	
Niger	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Nigeria	
Rwanda	
Sao Tome and Principe	
Senegal	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Seychelles	
Sierra Leone	
Somalia	
South Africa	
Swaziland	
Togo	x In the first version of the Roadmap document the description of the steps is quite basic and insufficient. Those definitions should be expanded and/or reference to specific standards, manuals and other documents should be provided within it. x Timelines should be permanently monitored and adapted accordingly.
Tunisia	

Uganda	
United Republic of Tanzania	
Zambia	
Zimbabwe	

8. Any other suggestion on the subject?

Angola	
Benin	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Burkina Faso	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Botswana	
Burundi	
Cape Verde	
Central African Republic	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Chad	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Comoros	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Congo	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Cote d'Ivoire	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Democratic Republic of Congo	
Djibouti	
Equatorial Guinea	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Eritrea	
Ethiopia	
Gabon	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Gambia	
Ghana	

Guinea	
Guinea Bissau	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Kenya	
Lesotho	
Liberia	
Madagascar	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Malawi	
Mali	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Mauritania	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Mauritius	
Mozambique	
Namibia	
Niger	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Nigeria	
Rwanda	
Sao Tome and Principe	
Senegal	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Seychelles	
Sierra Leone	
Somalia	
South Africa	
Swaziland	
Togo	x ICAO Doc 9881 is only a draft, but the content is paramount for the transition to AIM - e.g. the attributes of terrain and obstacle data need clear definitions and explanations – including examples of obstacles together with attributes.
Tunisia	
Uganda	
United Republic of Tanzania	
Zambia	
Zimbabwe	

- END -

