



COMPREHENSIVE REGIONAL IMPLEMENTATION PLAN FOR AVIATION SAFETY IN AFRICA (AFI PLAN)

FOURTEENTH AFI PLAN STEERING COMMITTEE MEETING

(Montreal, Canada, 24 October 2014)

Agenda Item 1: Progress Report on the implementation of the AFI Plan since the thirteenth meeting of the Steering Committee and Status of Implementation of the Collaborative Implementation Programme.

(Presented by AFI Plan Secretariat)

EXECUTIVE SUMMARY

This paper presents information on the implementation of the recommendations and conclusions of the 13th AFI Plan Steering Committee meeting as well as progress on the Collaborative Implementation Programme developed at the AFI Aviation Safety Symposium held from 27 to 28 May 2014 in Dakar, Senegal. The paper also presents the status of implementation of the 2014 AFI Plan work programme.

Action: The Steering Committee is invited to:

- a) Note the information contained in the paper;
- b) Provide further instructions and guidance for the continued implementation of the recommendations and conclusions of the 13th meeting of the Steering Committee as well as the Collaborative Implementation Programme in line with Column 5 of **Attachment A**;
- c) Provide further instructions and guidance for the continued implementation of the 2014 Work Programme in line with Column 5 of **Attachment B**;
- d) Review and approve the finalized Air Navigation Service (ANS) objectives and performance indicators as presented in **Attachment C**; and
- e) Note the information contained in the AFPP progress report in **Attachment D** and consider the recommendations therein.

1. INTRODUCTION

1.1 The Steering Committee at its 13th meeting reviewed the actions taken since the twelfth meeting on the implementation of the AFI Plan and made additional recommendations and conclusions on AFI Plan activities and the 2014 Work Programme to be undertaken.

1.2 This paper summarizes the progress made in the implementation of the recommendations and conclusions of the 13th meeting of the AFI Plan Steering Committee as well as those of the AFI Aviation Safety Symposium as contained in the Collaborative Implementation Programme and the work programme for 2014.

2. SUMMARY OF PROGRESS: MAY 2014 – OCTOBER 2014

2.1 **Attachment A** to this paper contains the list of recommendations and conclusions of the 13th meeting of the AFI Plan Steering Committee including the Collaborative Implementation Programme, an update on actions undertaken so far and their outcomes, as well as actions required from the meeting. The status of implementation of the 2014 work programme is presented as **Attachment B**.

2.2 As per the recommendation of the 13th Steering Committee meeting, a revised proposal of ANS performance indicators and monitoring matrix was developed and is presented as **Attachment C** to this Discussion Paper. In addition to other technical areas the matrix covers Search and Rescue (SAR).

2.3 With regards to the participation of States in the African Flight Procedure Programme (AFPP), significant progress has been made through the concerted efforts of all the relevant stakeholders, namely: ICAO (AFPP office, TCB, WACAF and ESAF Regional Offices), ASECNA, France etc. A progress report on the implementation of the AFPP is presented in **Attachment D** to this Discussion Paper.

2.4 With regard to Regional Safety Oversight Organisations (RSOOs) and Regional Accident Investigation Agencies (RAIAs), it is recommended to continue working with each sub-region for the effective strengthening of the existing ones. The establishment of such entities for the Seven Partner States is still pending and the ICAO ESAF Office has been liaising with COMESA to find a way forward in ensuring that the States involved act on their commitment to form an RSOO/RAIO. South Sudan is yet to give a response with regard to which RSOO/RAIO they would belong to, having been given the option of joining the EAC or the Seven Partner States.

2.5 The MOU concluded between AAMAC, CEMAC and UEMOA for the separation of functions of their respective RSOOs in line with the Abuja Declaration, was signed by AAMAC and CEMAC at the Safety Symposium held in Dakar in May 2014. UEMOA on their part are yet to complete internal processes for signature.

2.6 AFCAC had carried out AFI-CIS Assistance missions in anticipation of cost recovery from States. However, despite the terms laid out in the AFI-CIS MoU and sensitization by both the Secretary General and the President of AFCAC, some States are still reluctant to settle their bills. In a positive move, ICAO has approved USD 50,000 from the SAFE fund in order to support AFI-CIS activities,.

2.7 AFCAC has repeatedly requested States to provide information to assist in monitoring the status of implementation of the Abuja safety targets. By the end of September 2014, only Ethiopia, South Africa, Tanzania and Togo had responded to the AFCAC request. Plans are also underway to undertake joint African Union and AFCAC missions for the purpose of re-engaging States and reinforcing political will in addressing safety deficiencies.

2.8 The 1st General Assembly of the Association of African Aviation Training Organizations (AATO) was held in Zanzibar, Tanzania from 1 to 3 October 2014. The Association has continued to receive assistance from the ESAF Office, particularly in facilitating recruitment of the AATO Secretary General and providing secretariat services for its 1st General Assembly. During the Assembly, it was noted that three training organizations had shown interest in hosting the AATO Secretariat but this process has not yet been concluded. Furthermore, only seven (7) members of the Association have paid their contribution.

2.9 IATA has been working with ICAO, Original Equipment Manufacturers (OEMs) and other stakeholders to launch a dedicated LOC-I website and Toolkit. The website is envisaged to be ready by December 2014 as a single stop for all LOC-I training and safety material. Part of this initiative includes new training guidance, analysis and best practices.

2.10 In 2013, the EU launched the “Support for the Improvement of Aviation Safety in Africa” (SIASA) project. The project’s objective is to assist States in improving the implementation of ICAO safety standards and in resolving safety deficiencies, including Significant Safety Concerns (SSCs) as well as supporting Regional Safety Oversight Organizations (RSOs) in Africa. The following 6 States were selected: Sierra Leone, Liberia, Guinea Conakry, Benin, Republic of Congo (Brazzaville) and Mozambique. Participation of the first three States will probably pose a challenge in the immediate term in view of the current Ebola crisis. The redefinition of the scope of the assistance project is on-going.

2.11 EASA is also coordinating the development of regulation and guidance material for the PANS-OPS procedures approval process, Flight OPS Inspectors Manual and ANS regulation. EASAt has also scheduled various training programmes, workshops and seminars in different domains, to take place in 2015. These activities require close coordination with the AFI regional bodies such as APIRG.

2.12 In the area of training, the situation is as follows:

- a) OPS and PEL French course material is still under development by Morocco and may be available tentatively in 2015.
- b) **ECCAIRS Courses:** In cooperation with AFCAC the train-the-trainer courses were successfully conducted, partly online and partly at AFCAC Headquarters in Dakar, Senegal, as follows:-
 - Online instructional techniques (10 April – 26 May 2014);
 - Instructional techniques classroom course in Dakar (2-6 June 2014);
 - ECAAIRS V5 end-user course in Dakar (9-13 June 2014);
 - ECCAIRS V5 technical course in Dakar (11-13 June 2014);
 - Train-the-trainer end-user and technical courses in Dakar (16-20 June 2014).
- c) **Courses and Workshops:** The following Courses and Workshops, unless otherwise indicated, were successfully conducted:

Aviation Training Academy (ATNS), Johannesburg, South Africa

- ICAO Government Safety Inspector Course in Aircraft Operations, English, 4-20 August has been rescheduled to 10-26 November 2014 due to lack of sufficient participants
- ICAO Government Safety Inspector Course in Aircraft Airworthiness, English, 3-19 Sept

East African School of Aviation, Nairobi, Kenya

- ICAO Government Safety Inspector Course in Aircraft Operations, English, 9-26 June
- ICAO Government Safety Inspector Course in Personnel Licensing, English, 30 June - 22 July

- Air Navigation Services Inspector Course - Air Traffic Management, English, 18-22 August
- ICAO Government Safety Inspector Course in Aircraft Airworthiness, English, 8-25 Sept
- The ICAO Government Safety Inspector Course in Personnel Licensing (English) and Air Navigation Services Inspector Course - Communications, Navigation and Surveillance (English) are scheduled to take place on 6-28 October 2014 and 10-14 November 2014 respectively.

Ecole Régionale de la Navigation Aérienne et de Management (ERNAM), Dakar, Senegal

- ICAO Government Safety Inspector course in Aircraft Airworthiness, (Bilingual) on 23 June - 9 July 2014
- The ICAO Inspector Course in Aircraft Operations (French) was scheduled to take place on 17-28 November 2014 but may have to be postponed to 2015 pending completion of the training course material.

ICAO Regional Office, Eastern and Southern African Office, Nairobi, Kenya

- The State Safety Oversight Organization Regional Workshop (English) is scheduled to take place on 1-3 December 2014 at the UN Complex, Nairobi, Kenya.

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COMPREHENSIVE REGIONAL IMPLEMENTATION PLAN FOR AVIATION SAFETY IN AFRICA (AFI PLAN)

FOLLOW-UP ACTIONS FROM RECOMMENDATIONS AND CONCLUSIONS OF THE

13TH AFI PLAN STEERING COMMITTEE MEETING

Recommendation and Conclusion Reference	SC Recommendation and Conclusion	Deadline	Deliverables	Actions	Proposed Actors	Status as at 15 October 2014
Agenda Item 0: Outcomes of the AFI Aviation Safety Symposium						
0.7.1	AFI Plan Secretary incorporate the initiatives contained in the collaborative implementation programme, taking into consideration the comments from the AFI Plan Steering Committee Members, into the AFI Plan activities and work programme at the earliest convenience.	14 th SC Meeting	Revised AFI plan activities and work programme that integrate the collaborative implementation programme.	Incorporate the initiatives contained in the collaborative implementation programme in the AFI Plan activities and work programme.	AFI Plan Secretariat	Done (see 2015 work programme)
	Present this integration and implementation progress during the next AFI Plan Steering Committee meeting.		Provide a progress report during the 14th SC meeting.	Prepare the progress report.		Preparation of the progress report completed.

Recommendation and Conclusion Reference	SC Recommendation and Conclusion	Deadline	Deliverables	Actions	Proposed Actors	Status as at 15 October 2014
Agenda Item 1: Progress Report on the implementation of the AFI Plan since the 12th meeting of the Steering Committee and the status of implementation of the Work Programme for 2014						
1.48	Establish a coordination mechanism to select appropriate metrics and indicators in order to monitor the ANS regional targets.	14 th SC Meeting	Metrics and indicators to monitor ANS regional targets.	Prepare and finalize the metrics.	AFI Plan Secretariat in coordination with APIRG	Done (See Attachment C to DP 01).
1.49	Relevant ICAO ROs continue sensitizing African States to take more ownership and implement the Abuja Safety Targets as well as improve safety and air navigation performance in the AFI Region.	14 th SC Meeting	African States ownership and implementation of the Abuja Safety Targets.	Write a letter to AFI States. Include the matter in the agenda of RDs, DRDs and ROs missions to States.	ICAO ROs	Regional Offices have sent specific letter to States. Also held side meetings with States during various events and followed up in the implementation of specific ICAO Plans of Action.
1.50	The African Group at ICAO to liaise with those States that had shown slow or no progress in addressing their safety oversight deficiencies through diplomatic channels with their embassies in Ottawa, Canada.	14 th SC Meeting	States that had shown slow or no progress approached through diplomatic channels.	Engage the diplomatic community of those countries.	African Group at ICAO	On-going.
1.51	Since the courses on AGA are not yet available at ICAO, they should be removed from the AFI Plan Work Programme. States to make use of training courses available at other training centres and organizations.	Immediate	AGA courses removed from the AFI Plan Work Programme.	Remove the AGA courses.	AFI Plan Secretariat	Done.
1.52	States urged to take advantage of the ICAO training subsidy programme.	14 th SC Meeting	Inform States of the existence of the ICAO training subsidy programme.	Write a letter to AFI States.	ICAO ROs GAT	The AFI Plan Secretariat coordinated the matter with GAT.

Recommendation and Conclusion Reference	SC Recommendation and Conclusion	Deadline	Deliverables	Actions	Proposed Actors	Status as at 15 October 2014
1.53	Through AFCAC, the ICAO Regional Directors, and the missions of the ICAO Secretary General or President of the ICAO Council, States continue to be sensitized on the benefits of AFI-CIS. Also invite States to join and contribute towards the funding of missions and provision of inspectors in accordance with the MoU.	14 th SC Meeting	States sensitized on the benefits of AFI-CIS, and invited to join and contribute to in accordance with the MoU.	Write a letter to AFI States. Include the matter in the agenda of the SG, President and RDs missions to States.	AFCAC ICAO	AFCAC continues to emphasize to the States, the need to fund the Missions. States were requested to cover the cost of the mission when mission is deployed to individual States. AFCAC carried out AFI-CIS Assistance missions in anticipation of cost recovery from States. However after affirming the conditions on the use of the AFI-CIS as per the MOU, States are reluctant to settle their bills. The States that have not settled their bills are also always approached to settle their invoices accordingly and AFCAC has at its different meeting, made this recommendation to States. During Missions and high level meetings, the ICAO SG and the Council President accompanied by RDs always emphasized to States, the need to cooperate on AFI-CIS programme.
	ICAO continues to lead aviation safety partners in support of the AFI -CIS programme.	14 th SC Meeting	Aviation safety partners support to the AFI-CIS programme.	Continue to engage partners to support AFI CIS.	ICAO	Continuous.
1.54	ICAO, through the Regional Directors, to encourage States to transmit the information being requested by AFCAC to monitor the implementation of the Abuja safety targets.	14 th SC Meeting	States encouraged to transmit the information.	Write a letter to States.	ICAO RDs AFCAC	AFCAC has repeatedly requested information from States in order to monitor the implementation of the Abuja safety targets. As of 30 September 2014, only Ethiopia, South Africa, Tanzania and Togo have responded to the request. The Regional Offices are providing AFCAC with information on certain safety targets from the ICAO database.

Recommendation and Conclusion Reference	SC Recommendation and Conclusion	Deadline	Deliverables	Actions	Proposed Actors	Status as at 15 October 2014
	AUC and AFCAC conduct joint-missions to those States with insufficient political will to address safety deficiencies, and continue asking for information to monitor the Abuja safety targets as well as join and support AFI-CIS.	14 th SC Meeting	AUC and AFCAC joint-missions to re-engage those States that lack political will to address safety deficiencies.	Conduct AUC/AFCAC joint missions.	AFCAC/AUC	Under discussion (On going)
1.55	ESAF Office continues assisting AATO in communicating matters related to ICAO Member States and relevant stakeholders.	14 th SC Meeting	Continued assistance to AATO. However, the support would not include the delivery of AATO services nor funding.	As and when requested by AATO.	ESAF RO AATO	This is on-going on a needs basis e.g. <ul style="list-style-type: none"> Recruitment of the AATO Secretary General. Secretariat assistance in the preparation and conduct of the AATO 1st General Assembly (Zanzibar, Tanzania, 1-3 October 2014).
1.56	AATO send a letter to the President of the ICAO Council requesting to be included in the circulation list of international meetings.	14 th SC Meeting	Inclusion of AATO in the circulation list.	AATO to write a letter to the President of ICAO Council requesting for inclusion in the circulation list.	AATO AFI Plan Secretariat	Done
	The Chair Person oral report of the 13th AFI Plan Steering Committee to include support of the AATO request.		Oral report presented.		AFI Plan Secretariat	Done
1.57	AATO develop an appropriate funding mechanism to support its activities, including an efficient means for the collection of membership fees and present a progress report during the next AFI Plan Steering Committee meeting.	14 th SC Meeting	An appropriate funding mechanism and presentation of a progress report.	Develop an appropriate funding mechanism and present a progress report.	AATO	A strategic and business plan of the Association developed. 7 members have paid their contribution. During the 1 st Assembly held in October 2014 some more members promised to pay. AATO President will provide an oral progress report at SC/14 meeting.

Recommendation and Conclusion Reference	SC Recommendation and Conclusion	Deadline	Deliverables	Actions	Proposed Actors	Status as at 15 October 2014
1.58	Relevant Regional Offices to urge African States, who have not yet signed the AFPP ProDoc to confirm their participation in the AFPP by sending a letter to the corresponding Regional Offices and signing the AFPP ProDoc.	14 th SC Meeting	Confirmation of African States participation in the AFPP.	Write a letter urging African States to confirm participation in the AFPP.	ICAO ROs	<p>AFPP Project Document (ProDoc) sent by ICAO WACAF Office in August 2014 to States that were yet to sign, to confirm their participation, as Active Participating States (APS) or User States (US).</p> <p>The AFPP membership as at 15 October 2014 is 19 APS and 2 US.</p> <p>New membership in progress:</p> <ul style="list-style-type: none"> - APS: Angola, Cameroon, Mozambique, Cape Verde and Kenya - US: Zimbabwe
1.59	ICAO urge States and Donors/Sponsors to provide voluntary financial and in-kind contributions in the form of seconded personnel and/or other resources, as spelled out in the AFPP ProDoc.	14 th SC Meeting	Donors/sponsors' voluntary financial assistance and in kind contribution.	Urge donors/ sponsors to provide voluntary financial assistance and in kind contribution.	ICAO	<p>AFCAC and AIRBUS supported financially all financial costs (expertise, organization, travel, DSA) for joint AFCAC/ICAO Seminar/Workshop on PBN Implementation Plan, 24-26 June 2014, Dakar, Senegal;</p> <p>AIRBUS will support all financial costs (expertise, travel, DSA) of Training Workshop on Operational Approval (States and Air operators), 14-16 October 2014, Dar es Salaam, Tanzania;</p>
	Encourage active participating States to pay the first annual contribution to ICAO by 1 January 2015.	14 th SC Meeting	First annual contributions to AFPP paid to ICAO.	Follow up and encourage States to pay the first annual contribution to ICAO.	ICAO	<p>French DGAC, ENAC were to support the PANS-OPS training course, 27 October – 16 November 2014, Dakar, Senegal; however, venue may change to ENAC, France;</p> <p>In September 2014, a letter of request for payment of the first AFPP annual contribution for 2015 was sent to APS States by TCB through the WACAF Regional Office.</p>

Recommendation and Conclusion Reference	SC Recommendation and Conclusion	Deadline	Deliverables	Actions	Proposed Actors	Status as at 15 October 2014
1.60	Progress report to be presented by AFPP during the next AFI Plan Steering Committee meeting.	14 th SC meeting	Progress report by AFPP.	Preparing activity progress report.	AFPP Manager	Done (See Attachment D to DP 01).
1.61	Indicators for the French Language Training Programme by Morocco as defined in paragraph 4 of the DP/05 be monitored within the framework of the USOAP CMA missions and be reported to the AFI Plan Steering Committee on a regular basis.	14 th SC meeting	Indicators monitored and presentation of Progress report.	Monitor implementation of French language training programme.	GAT ANB	ANB and GAT have yet to receive the course for validation.
1.62	GAT Office in coordination with AATO and the representative of Morocco conduct an inventory of States' training needs and courses available.	14 th SC Meeting	Inventory of training needs and available courses.	Conduct inventory of training needs and available courses.	GAT AATO Representative of Morocco	GAT and AATO will provide update to the AFI Plan Steering Committee.
	GAT office should coordinate with TRAINAIR Plus network to identify existing courses available on ANS and AGA.	14 th SC Meeting	Progress report.	Identifying existing course available on ANS and AGA.	GAT	GAT will provide update to the AFI Plan Steering Committee.
1.63	EASA and ICAO continue the close coordination of assistance activities and cooperation and EASA to inform the next meeting about their comments and the potential translation into French language of ICAO developed AOC handbook and model regulations on ANS, AGA and AIG.	14 th SC Meeting	Progress report by EASA.	EASA to give their views regarding the potential translation into French language of ICAO developed AOC handbook and model regulations on ANS, AGA and AIG.	EASA ICAO	EASA has indicated that the only available budget is reserved for regulation development in the framework of the project.

Recommendation and Conclusion Reference	SC Recommendation and Conclusion	Deadline	Deliverables	Actions	Proposed Actors	Status as at 15 October 2014
1.64	Encourage States to use the electronic tools presented by the Republic of Korea. States interested in using the tools to attend the Flight Safety Seminar to be held in Seoul from 1 to 3 September 2014.	Continuous	Use of the tools by States.	Encourage States to use the tool. Write a letter to AFI States.	AFI Plan Secretariat	A letter was sent to all AFI States on 5 August 2014 informing them of the Electronic Tools and the Flight Safety Seminar. However, the Seminar was postponed by the Republic of Korea. A number of States have expressed interest and they would like to know the modalities for acquiring the software and training.
1.65	Continue with the implementation of the recommendations, as well as the 2014 Work Programme as amended by the Steering Committee during this meeting.	31 st December 2014	Implementation of the recommendations and the 2014 work programme as amended by the SC.	Follow up on the 13 th AFI Plan SC conclusions and recommendations.	AFI Plan Secretariat	On-going.
Agenda Item 2: Progress Report by the Air Navigation Bureau						
2.8	SC Secretariat in coordination with APIRG to finalize the development of a sub set of ANS performance indicators and metrics to be monitored through AFI Plan.	14 th SC Meeting	A sub-set of ANS performance indicators and metrics finalized in coordination with APIRG.	Coordinate with APIRG and finalize the performance target. This issue is also addressed under item 1.48.	AFI Plan Secretariat in coordination with APIRG	Done (See Attachment C to DP 01).
Agenda Item 3: ICAO Plans of Action for States under the review of the MARB including priority States						
3.14	Escalate the process for those States which do not report to ICAO sufficient effective progress.	14 th SC Meeting	Process escalated.	Identify the States. Escalate the process.	AFI Plan Secretariat	On-going.
	Include use of diplomatic channels and invitations to the ICAO Council in the escalation process.	14 th SC Meeting	Process escalated using diplomatic channels and invitations to the	Identify the States. Escalate the process.	Coordinator, African Group at ICAO	On-going.

Recommendation and Conclusion Reference	SC Recommendation and Conclusion	Deadline	Deliverables	Actions	Proposed Actors	Status as at 15 October 2014
			ICAO Council.	Engage diplomatic community.		
Agenda item 4: Any other business						
4.1	Hold the next AFI Plan Steering Committee Meeting in Montreal, Canada.	November 2014	Hold the meeting.	Finalize the preparation.	ICAO	Preparation finalized.
4.3	Deliberate on whether to include SAR in the AFI Plan Work Programme.	14 th SC meeting	SAR included in the agenda of 14 th SC meeting.	Include an agenda item regarding SAR in the 14 th SC meeting.	AFI Plan Secretariat	Done (see 2015 work programme).
4.4.1	SSFA to share its plans by making a presentation during the next AFI Plan Steering Committee meeting in November 2014.	14 th SC meeting	Presentation by SSFA to the 14 th SC meeting.	Prepare a presentation.	SSFA	Presentation will be made by US DOT-FAA during the 14 th AFI Plan SC Meeting.

FOLLOW-UP ACTIONS OF THE COLLABORATIVE IMPLEMENTATION PROGRAMME

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
2.1	Support to the Improvement of Aviation Safety in Africa (SIASA)		Assistance missions, regulation and	States to take advantage of assistance offered	EASA	<i>Bilateral assistance to specific states</i> <ul style="list-style-type: none"> 6 States were selected: Sierra Leone,

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
	Resources: EU Funds		guidance material, Workshop, Training SOFIA ECCAIRS RSOO			<p>Liberia, Guinea Conakry, Benin, Congo Brazzaville and Mozambique.</p> <ul style="list-style-type: none"> • Participation of the first three States will probably pose a challenge in the immediate term in view of the current Ebola crisis. • The re-definition of the scope of the assistance is on-going. <p><i>Regulation and guidance material</i></p> <ul style="list-style-type: none"> • PANS-OPS procedures approval GM - A working group has been put in place and will meet 3 to 4 times. The SIASA project would like to work closely with the ICAO African FPP for this activity. Coordination is on-going. • Flight OPS Inspectors Manual - This activity will not be carried out since ICAO published in May 2014 such a manual. • ANS regulation - A working group has been put in place with 8 representatives from AAMAC and 2 from ASECNA. A series of 4 meetings will take place. The first one is scheduled for end September beginning of October 2014. The regulation to be developed will focus on the oversight of the ANSP. The expected completion is mid-2015. • The above activities require close coordination with the AFI regional bodies such as APIRG.

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
						<p><i>Training</i></p> <p>Francophone OPS Inspector Train the trainer – Scheduled in November 2014</p> <ul style="list-style-type: none"> • AOC OPS Specs approval – This training has been delivered twice in (BAG and CEMAC regions) and will be provided in EAC and SADC before the end of 2014. <p><i>Human factors</i></p> <ul style="list-style-type: none"> • A series of 3 sessions will take place in UEMOA, BAG and SADC regions to be delivered by March 2015. • ANSP oversight – This will be programmed for next year – probably on the basis of the developed regulation. <p><i>Organizational issues</i></p> <ul style="list-style-type: none"> • SOFIA Implementation – Delivery of the V2.0 of SOFIA is on-going in the CASSOA region. An implementation in the UEMOA Region is scheduled starting 2nd quarter 2015. • ECCAIRS Assistance – No action has been taken so far in relation to ECCAIRS.

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
						<ul style="list-style-type: none"> • RSOO Assistance – Requests have been received from some RSOOs but no activity has been planned so far. Not foreseen before 2015.
2.2	Central Africa Aviation Safety Project (CAASP) Resources: EU Funds		ASSA-AC Training Workshop Aerodrome study	States to take advantage of assistance offered	EASA	<p>Support to the Regional Agency ASSA-AC</p> <p>Institutional support has already been provided through the participation to the technical staff selection panel.</p> <p>Regulation and manuals –The first meeting of this WG is scheduled to take place before the end of October 2014.</p> <p>SOFIA – the installation of the software will take place in 2015. In the meantime ASSA-AC will purchase the necessary IT equipment.</p> <p>Training and workshop</p> <ul style="list-style-type: none"> • Audit techniques – This course will be delivered in 2015. • Human Factors – the training is to take place in December 2014 in the Republic of Congo. The exact date is yet to be confirmed by the provider. • PEL Inspector –Expected to be delivered later this year. • OPS Inspectors – the possibility to support the cost of the ICAO course in Dakar is currently being evaluated. • AIR Inspectors – Will take place in 2015

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
						<ul style="list-style-type: none"> • AGA Inspector – The first part of the training took place Q2 2014. The second part is scheduled to take place early 2015 (February) with the same participants. • Additional advance training is planned to be delivered to the RSOO personnel once recruited. <p><i>Aerodrome Study</i></p> <ul style="list-style-type: none"> • 10 aerodromes will benefit from this study, the objective of which is to evaluate their conformity to Annex 14. An action plan will be developed for the rehabilitation of the aerodrome. • So far only 4 aerodromes have been identified by the project beneficiaries. • The study is foreseen to be carried out in coordination with the ACI APEX Safety Programme.
2.3	Assistance to individual States Resources: EU Funds		Accident & incident investigation regulatory and institutional framework Technical and organizational capacity building SOFIA Aviation Safety Studies Aviation safety studies.	States to request assistance.	EASA	<p><i>Accident and incident investigation assistance</i></p> <ul style="list-style-type: none"> • No assistance has been provided so far in the field of accident and incident investigation regulatory and institutional framework (although it is foreseen within the framework of the IASOM project – see below). <p><i>Technical and organizational capacity</i></p>

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
						<p><i>building</i></p> <ul style="list-style-type: none"> • SOFIA - Developed at the request of CASSOA and started its implementation in this region on the Agency cooperation budget. This is not anymore the case. The implementation of SOFIA in Sub-Saharan Africa is now done under the umbrella of the EU funded projects (SIASA, CAASP and IASOM). <p><i>Aviation Safety studies</i></p> <ul style="list-style-type: none"> • No aviation safety studies carried out outside the current EU funded projects. <p><i>Malawi – IASOM project</i></p> <ul style="list-style-type: none"> • The main objective of this project is technical and organizational capacity building of the current DCA. • SOFIA is in the process of being implemented.
2.4	Support the improvement of ATM safety Resources: US Technical Assistance		Seminar on strategies for managing an effective ATM oversight organization.	ICAO to coordinate training under AFI Plan.	US FAA	Update included in the US-DOT presentation.
2.5	Safe Skies for Africa Resources: US Technical Assistance		Training.	States to take advantage of training offered.	DOT	Oral status report to be provided to the AFI Plan SC/14 Meeting.

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
2.6	IATA Operational Safety Audit (IOSA) Resources: IATA Funds		Assistance to airlines to prepare.	Airlines to request Assistance.	IATA	Ten (10) airlines identified in 2013 and provided with IATA assistance (3 in-house workshops for each airline completed) to prepare for IOSA audit; two (2) are no longer eligible due to fleet change and AOC suspended. Another group of ten (10) airlines were selected in 2014 and are in the process of receiving training (due for completion in 2014). To date, 5 of these airlines are on the IOSA registry: Air Zimbabwe; Aerocontractors (Nigeria); Midwest, Alexandria Air and Syphax (Egypt)
2.7	AFI Cooperative Inspectorate Scheme (AFI-CIS) Resources: Funding for inspector training and missions		Assistance to States for resolving deficiencies related to the AOC process.	UAE offered support which needs to be detailed. ICAO considering support from SAFE fund.	AFCAC	AFCAC received support from ICAO SAFE fund.
2.8	AFI Plan	2016	Assistance projects.	Republic of Korea funds in SAFE fund.	ICAO	On-going.
2.9	AFI Plan		Guidance on Human Resource Management Policies.	Articulation, Initial training, continuous training, retaining competent personnel on post.	ICAO	On-going. ICAO (GAT) is working on an Action Plan to facilitate implementation of Resolution A38-12 Appendix D.
2.10	AFI Plan, RSOO Resources: UAE Fund	2015	Guidance on AFI Regional and Sub Regional Organizations.	Clear Description of Regional and Sub Regional Organizations and their Mandate with	ICAO, AFCAC	On-going.

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
				focal points.		
3.1	Disseminating lessons-learned to States with SSCs and/or low EI and matching donors for them. Resources: Technical and financial assistance	N/A	Resolution of SSCs and major safety deficiencies Strengthening of oversight activities.	Voluntary contribution from donor States and partners.	ICAO, AFCAC And other Partners States	On-going.
3.2	Implementation of ICAO Plans of Action. Resources: Assistance through AFI Plan	N/A	Resolution of SSCs and major safety deficiencies.	Continued direct assistance to States (ROST missions and training).	ICAO/AFCAC	Done. (See Attachment A of DP 04).
4.a.1	Human Resources Development Resources : ICAO support (AFI Plan) AU support (African Civil Aviation Policy)	31 December 2015	Implementation of Human Resources Development Strategies and plans by States.	Training for HR Managers Training for Subject Matter Experts Standardized competencies Harmonized training Use of competency-based training.	ICAO	On-going. ICAO (GAT) is working on an Action Plan to facilitate implementation of Resolution A38-12 Appendix D.
4.a.2	Resources: ICAO Support States	31 May 2015	Development of Training programmes /plans.	Develop a training programme on the basis of a sound training policy.	ICAO States Director Generals of CAAs	On-going. ICAO (GAT) is working on an Action Plan to facilitate implementation of Resolution A38-12 Appendix D.
4.b.1	Sustainability of RSOOs Resources: ICAO Support	31 st December 2014	MOUs with Regional Economic Communities (RECs) for institutional and financial support.	Drafting the MOU; Meeting with Heads of the RECs; Signature of MOUs.	RSOO Board of Directors, Heads of RECs, President of ICAO and AFCAC SG.	On-going. Action Plans signed by ICAO with ECCAS and ECOWAS include among other things support for sustainability of RSOO. Similar Action Plans are pending for CEMAC, UEMOA and Eastern and Southern Africa regions.

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
4.b.2	Resources: ICAO support AFCAC	31 st Dec 2014	Implementation of a Levy.	Agreement by member states; Appointment of collection agencies; Implementation.	RSOO Board of Directors , Council of Ministers and President of ICAO	On-going.
4.b.3	Resources: RECs/AFCAC/ ICAO	31 May 2016	Amalgamation and integration of RSOOs into larger entities.	Evaluation of optimum number and configuration of RSOOs Development of an implementation plan/strategy.	RSOO Board of Directors, REC Presidents, ICAO and AFCAC SG.	On-going. MoU for the separation of functions in the immediate term and integration of services in the long term, between AAMAC, CEMAC and UEMOA concluded in May 2014. However, UEMOA yet to finalize signature and AAMAC to be fully operationalized.
4.b.4	Delegating functions to RSOOs Resources: Sustainable and adequate funding; Sufficient and qualified personnel Political will and management commitment.	Continuous	Strengthened safety and security oversight systems and capabilities. Formal letters of Agreement MOU between RSOOs and States on delegated functions.	Promote and establish strong RSOOs with adequate and sustainable funding mechanisms; Pooling of resources; Clear Identification of functions to be delegated to RSOOs.	Ministers responsible for Civil Aviation; Directors General of CAAs; Heads of Regional Economic Communities; CEOs of RSOOs;	On-going.
4.c.1	Air Navigation Services separation of functions between Regulator and Operator Resources: ICAO Support	31 December, 2015	Clear separation of functions between Regulators and service providers.	Review Legislation and Mandate of aviation entities; Identify and provide adequate resources for aviation entities.	Ministers responsible for Civil Aviation; Directors General of CAAs.	On-going. ICAO high level intervention with State authorities on needs basis.

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
4.c.2	Resources: ICAO Support	31 December 2014	Enhanced implementation of PBN through the African FPP.	Adherence of States to African FPP.	ICAO ASECNA States	The AFPP membership as at 15 October 2014 is 19 APS and 2 US. <ul style="list-style-type: none"> • New membership in progress: <ul style="list-style-type: none"> - APS: Angola, Cameroon, Mozambique, Cape Verde and Kenya • US: Zimbabwe <p>Various trainings, seminars and workshops such as PBN Implementation, Operational Approval, PAN OPS, Initial Flight Design etc. conducted and/or planned (see Attachment D to DP 01).</p>
4.c.3	Resources: ICAO Support	31 December 2014	Address the problem of missing operational messages and data (Flight plans, OPMET etc.).	Address/implement relevant APIRG Conclusions.	ICAO ASECNA States	On-going.
4.c.4	Resources: ICAO Support	31 December, 2014	Work progressively for Cooperation between ANSPs and the integration of airspaces for seamless air navigation services.	Programme of Civil/military coordination workshops (worldwide and regional). Conclusion of Letters of Agreement (LOA) between States for SAR and development and testing of contingency plans.	Ministers responsible for Civil Aviation; Directors General of CAAs.	Scheduled in the 2015 Work Programme. Action Plans signed by ICAO with RECs in October 2014 include among other things support for the integration of airspaces and civil military coordination.
5.1.1	Establishment and strengthening of CAA	Abuja safety targets	Training programmes developed and	Establishment of Training Academy.	CAAs Industry	Resources required/On-going. An integral part of the ICAO Plans of

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
	Resources: Required	(2013)	implemented for CAA Personnel.	Develop and implement proper training programmes & plans for CAA personnel.		Action.
5.1.2		Abuja safety targets (2015)	Delegation of functions (where justified).	Use of Article 83 bis to perform safety oversight functions.	CAAs ICAO	Resources required/On-going. (Also linked to the existence of effective and sustainable RSOOs).
5.2.1	Air operators certification and maintenance of an aircraft registry Resources: Required	Abuja safety targets (2015)	Air Operators certified and aircraft register maintained.	Develop a human resource development plan for CAA personnel.	CAAs	Resources required/On-going.
5.3.1	Air Operators Certification Resources: Required	Abuja safety targets (2015)	Sharing of Information related to a certification at national /international level.	States to support AOC data base project.	CAAs	AFCAC forwarded Circular letter to States on the ICAO AOC Database which was developed as part of the Online Aircraft Safety Information System (OASIS). AFCAC urged States to join the ICAO AOC Registry for the purpose of improving their capabilities with respect to their oversight responsibilities. So far the following States have loaded AOC/Ops Specs:- Cameroun, Cape Verde, Kenya Mauritania, Namibia Nigeria and South Africa, States in the Registry which have NOT loaded AOC/Ops Specs are Botswana Gabon and Niger.
5.3.2	Aerodrome Certification Resources: Required	Abuja safety targets (2015)	Qualified and duly trained personnel.	Conduct of Joint Training among Stakeholders.	CAAs Industry	Resources required/On-going. An integral part of the ICAO Plans of

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
						Action.
5.3.3	Aerodrome Certification Resources: Required	Abuja safety targets (2015)	Zoning.	Conduct safety risk analysis and aeronautical studies.	CAAs Airport Operators	Resources required/On-going. An integral part of Aerodrome Certification.
5.4.1	Evolving from Safety Oversight to Safety Management Resources: Required	Abuja safety targets (2015)	State Safety Programmes & Safety Management Systems.	Conduct Gap Analyses Develop SSP/SMS Implementation Plans.	CAAs ICAO Industry	Resources required/On-going. An integral part of the ICAO Plans of Action.
5.4.2	Evolving from Safety Oversight to Safety Management Resources: Required	TBD	Assistance programmes.	Develop assistance Programmes.	CAAs ICAO Partners	Resources required/On-going.
5.4.3	Evolving from Safety Oversight to Safety Management Resources: Required	Abuja safety targets (2013)	Active participation in RSOOs.	Participate in, and collaborate with RSOOs.	CAAs RSOOs	Resources required/On-going.
5.4.5	Evolving from Safety Oversight to Safety Management Resources: Required	TBD	Global Aviation Safety Roadmap.	Consider developing a Roadmap to facilitate GASP implementation.	ICAO Partners	ICAO considers it unnecessary and does not plan to develop a roadmap. The GASP provides the priorities and targets. The AFI Region and RASG AFI are in line with these targets. The AFI Plan serves as a roadmap and is driving the enhancement of safety in Africa. The previous “Roadmap” has been superseded by the ICAO Plans of Action and the Regional Plan of the RASG AFI, under the umbrella of the Global Plan. Another document may only generate confusion.

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
6.1	IATA Safety Operational Audit Resources: None	None	Regulators to promote implementation of IOSA.	Promotion.	States with support from AFCAC/IATA	On-going.
6.2	Operational Data Collection and Analysis Resources: Subscription to Flight Data Analysis Provider	July 2015	Implementation and participation in Safety Information Exchange.	Operators.	States to enforce implementation of ICAO mandate FDA for all operators	On-going.
6.3	Runway Safety Resources: Airport authorities to provide resources for deployment of RST Go Teams by sponsoring travel/accommodation	2014-8 Airports and ongoing	Support of AFI RASG RST Go Teams.	Deployment of AFI RASG RST Go Teams.	AFI- RASG Chairman	On-going.
6.4	CFIT Resources: Active support to ICAO African Flight Procedures Programme	On going	BaroVNAV Procedures support for full implementation of PBN procedures on demand with priority given to high traffic volume airports Or - PBN design - Training -SOPs -Systems.	Develop BaroVNAV Promotion of safe and efficient PBN based on train the trainer and transfer of competence.	AFPP and Airbus	AFPP has received direct assistance request from Cameroon, Djibouti and Ghana (see Attachment D para 2.5 to DP 01).
6.6	LOC-I Resources: Utilization of LOC-I toolkit Detailed Implementation Plans	From November 2014 ongoing	LOC-I toolkit CAST SEIs.	Launch toolkit Share SEIs Regulators to ensure implementation.	IATA and Boeing	IATA continues to work with ICAO, OEMs and other stakeholders to launch a Website and Toolkit dedicated to LOC-I.

Collaborative Implementation Programme Ref.	Topic	Deadline	Deliverables	Actions	Proposed Actors	Status as at 1 October 2014
						<ul style="list-style-type: none"> The website will be ready in December 2014 as a single stop for all LOC-I training and safety material. Part of this initiative includes new training guidance, analysis and best practices.
6.7	Identifying priorities Resources: Training Tools/software Utilization of EAD	September 2014 ongoing	Identify states with AIS safety concerns and provide OJT.	OJT and platform.	Eurocontrol and IATA	AIS training courses organized 28-31 July 2014 by Eurocontrol and IATA in DR Congo (for CAA and ANSP staff). EAD was presented and strongly recommended. Angola and Nigeria identified by air operators as States with AIS safety concerns.



DP 01 Attachment B: Status of Implementation of the 2014 Work Programme

STATUS OF IMPLMENTATION OF THE WORK PROGRAMME 2014				
Subject	Actions Required	Expected Deliverables	Action undertaken	Action required from the meeting
Development of State (Regional) Safety Programmes and the conduct of SSP training (Focus Area 1)	Assist States to develop and implement State Safety Programmes through delivery of State Safety Programme Courses.	2 State Safety Programme Courses (English) 2 State Safety Programme Courses (French)	The review of training material has been going on. The new ICAO Safety Management Course will be available in 2015 in English for translation into French after validation.	The meeting to take note of the progress made on the review of training material.
Safety Inspectors training courses (Focus Area 2)	Delivery of training for Safety Inspectors:-			The meeting to take note of:- <ul style="list-style-type: none"> • Courses that took place; • Status of training course material development. • Courses that have been removed from the AFI Plan work programme 2014.
	Airworthiness Inspector Courses	2 GSI Airworthiness Inspector Course (English). 2 Airworthiness Inspector Courses (French).	1 Course was conducted at ATNS, South Africa (3-19 Sept 2014) and another at EASA, Kenya (8-25 Sept 2014). 1 GSI Course was conducted in French at ERNAM, Senegal (23 June – 9 July 2014 using English training material. Second course to be delivered using the French material being developed by France.	
	Operations Inspector courses	2 GSI Operations Inspector Course (English)	1 Course was conducted at EASA, Kenya (9-26 June 2014) and another one scheduled to take place on 4-20 Aug 2014 at ATNS, South Africa was rescheduled to	

STATUS OF IMPLMENTATION OF THE WORK PROGRAMME 2014

Subject	Actions Required	Expected Deliverables	Action undertaken	Action required from the meeting
			10-26 Nov. 2014 due to insufficient number of applicants.	
		2 Operations Inspector Courses (French/bilingual)	Morocco is developing an OPS course in French which will be available for delivery in November 2014.	
	Personnel Licensing Inspector courses	2 Personnel Licensing Inspector Courses (English)	1 course has already been conducted in EASA, Kenya (30 June – 22 July 2014). The second course is scheduled for 6-28 October 2014.	
		2 Personnel Licensing Inspector Courses (French)	Morocco is developing a PEL course in French which will be available for delivery early 2015.	
	Aerodrome Design courses.	2 Aerodrome Design courses (English)		
		2 Aerodrome Design courses (French)		
	Aerodrome Inspector courses	2 Aerodrome Inspector Courses (English)		Courses removed from the AFI Plan work programme as per SC/13 recommendation.
		2 Aerodrome Inspector Courses (French)		
	Aerodrome Certification courses	2 Aerodrome Certification courses (English)		
		2 Aerodrome Certification courses (French)		
	Air Navigation Services Inspector courses	1 Air Navigation Services Inspector course – Air Traffic Management (English)	Course took place at EASA, Kenya (18-22 August 2014)	
		1 Air Navigation Services Inspector Course – Communications, Navigation and Surveillance (English)	Course scheduled to take place at EASA, Kenya (10-14 November 2014)	
		1 Air Navigation Services Inspector course (French)	GAT will coordinate with TRAINAIR PLUS Network for the development of a French course by June 2015.	

STATUS OF IMPLMENTATION OF THE WORK PROGRAMME 2014

Subject	Actions Required	Expected Deliverables	Action undertaken	Action required from the meeting
Seminars, workshops and safety related training courses other than Safety Inspector, SSP and SMS (Focus Area 2)	Develop qualified inspectors in State Safety Oversight Systems through the delivery of the following seminars/workshops and related training:-			The meeting to take note of:- <ul style="list-style-type: none"> • The conference that took place; • Scheduled/Rescheduled courses/workshops; • Progress made in coordinating the courses/workshops.
	Accident and Incident investigation Workshop	1 Accident and Incident Investigation Workshop (English)	Workshop previously scheduled for 13-15 October 2014, is rescheduled to 2015 due to Instructors schedule constraints.	
	Safe Transport of Dangerous Goods by Air	1 Safe Transport of Dangerous Goods by Air Workshop (English/French)	Workshop previously scheduled for 5-7 November 2014 has been rescheduled to 2015. It will be bilingual and coordination is ongoing with DG Section.	
	Aviation Medicine	1 Aerospace Medicine Conference (English)	Conference took place in Midrand, South Africa from 9-13 June 2014.	
	State Safety Oversight Organization	1 State Safety Oversight Organization Workshop (Bilingual)	Workshop scheduled to take place from 1-3 December 2014, Nairobi, Kenya. Coordination ongoing within the ESAF Office.	
	Performance-based Navigation Implementation	1 Airspace Concept and Design Workshop (English)	Deferred and reflected into the 2015 work programme.	
	Performance-based Navigation Operations Approval	1 Performance-based Navigation Operations Approval Capacity Training Course (English)	Deferred and reflected in the 2015 work programme.	
	ECCAIRS Train-the-Trainer	1 ECCAIRS Train-the-Trainer Course (English)	The ECCAIRS training programme was launched as follows: <ul style="list-style-type: none"> • Online instructional techniques (10 April – 26 May 2014); • Instructional techniques 	

STATUS OF IMPLMENTATION OF THE WORK PROGRAMME 2014				
Subject	Actions Required	Expected Deliverables	Action undertaken	Action required from the meeting
			classroom course in Dakar (2-6 June 2014); <ul style="list-style-type: none"> • ECCAIRS V5 end-user course in Dakar (9-13 June 2014); • ECCAIRS V5 technical course in Dakar (11-13 June 2014); • Train-the-trainer end-user and technical courses in Dakar (16-20 June 2014). 	
Safety Management System courses Development of service providers SMS (Focus Area 3)	Enable aviation service providers to develop and implement their respective Safety Management Systems (SMS) by delivery of Safety Management System courses.	2 Safety Management Systems courses (English).	The reveiw of training material is on-going and the new ICAO Safety Management Course is expected to be available in 2015 in English for translation into French after validation.	The meeting to take note of progress made on the course development.
		2 Safety Management Systems courses (French).		

-END-



DP 01 - ATTACHMENT C

**Follow Up on AFI Plan SC/12 Recommendations & Conclusions
Proposals for ANS Performance Indicators**

Targets	Linkage with ASBU	Performance indicators/Metrics	Qualitative performance benefits associated with Safety key performance area	Remarks
1. Implement Performance Based Navigation (PBN)	ASBU Module B0-APTA	<p>Number of PBN routes</p> <p>Number of International Aerodromes/TMAs with PBN SIDs implemented</p> <p>Number of International Aerodromes/TMAs with PBN STARs implemented</p> <p>Number of International Aerodromes with Approach Procedures with vertical guidance (APV)</p> <p>Number of International Aerodromes with Approach Procedures with lateral guidance (LNAV)</p>	<p>Increased safety through stabilized approach paths</p> <p>Reduced runway safety related accidents/incidents and CFIT</p> <p>Increased safety through optimization of airspace use in the vertical and horizontal planes.</p>	<p>Reflected on the AN Dashboard</p> <p>Safety key performance area (KPA) related ASBU Module identified by APIRG/19</p>
2. Implement Continuous Descent Operations (CDO) and Continuous Climb Operations (CCO)	ASBU Modules B0-CDO and CCO	<p>Number of International Aerodromes/TMA with CDO implemented</p> <p>Number of International Aerodromes/TMAs with CCO implemented</p> <p>Annual environmental benefits attained (reduced fuel consumption/GHG emissions)</p>	<p>More consistent flight paths and stabilized approach paths.</p>	<p>Safety key performance area (KPA) related ASBU Module identified by APIRG/19</p>
3. Reduce Aircraft Proximity incidents (AIRPROX) due to ANS deficiencies by 50%		<p>Number of Aircraft Proximity incidents (AIRPROX) due to ANS</p> <p>Number of ACAS Resolution Advisory (RA) events due to ATS deficiencies</p> <p>Number of States with training programmes for ANS personnel implemented on yearly basis</p>	<p>Increased safety through application of standard separation minima between aircraft and improved recurrent ATC training.</p>	<p>Safety key performance area (KPA) related ASBU Module identified by APIRG/19</p>

Targets	Linkage with ASBU	Performance indicators/Metrics	Qualitative performance benefits associated with Safety key performance area	Remarks
4. Reduce risk of accidents related to ATM safety		Number of accidents related to ATM safety	ACAS, SLOP, TIBA and IATA IFBP to increase safety in the case of breakdown of separation.	
5. Implement Digital ATS Coordination/Transfer	ASBU Module B0-FICE	Number of FIRs within which all applicable ACCs have implemented at least one interface to use ATS Inter-facility Data Communications (AIDC) with neighboring ACCs Number of reported incidents related to lack of coordination between ACCs	Improved coordination between ATS units.	Reflected on the AN Dashboard
6. Establish effective and operational SAR Organization.		Number of States with SAR Organization Number of States with SAR Plans Number of States with SAR Agreements	Better capacity to provide SAR services over own territory and regionally Improved response for near-border events	
7. Implement En-Route Data Link Applications	ASBU Module B0-TBO	Number of FIRs having implemented Data Link (ADS-C/CPDLC, ADS-B) for en-route operations	ADS-C and ADS-B based safety nets support cleared level adherence monitoring, route adherence monitoring, danger area infringement warning and improved search and rescue. CPDLC to reduce occurrences of misunderstandings between air traffic controllers and pilots Solution to stuck microphone situations	Safety key performance area (KPA) related to ASBU Module identified by APIRG/19
8. Implement Aeronautical Information Management (AIM) Quality Management System (QMS)	ASBU Module B0-DATM	Number of States with AIM QMS implemented	Reduction in the number of data inconsistencies and inaccuracies	Reflected on the AN Dashboard Safety key performance area (KPA) related to ASBU Module identified by APIRG/19
9. Implement Aeronautical Meteorology (MET) Quality Management System (QMS)	ASBU Module B0-AMET	Number of States with MET QMS implemented Number of incidents/accidents with MET conditions as a sole or contributory factor	Reduced MET related incidents/accidents in flight and at international aerodromes	Safety key performance area (KPA) related to ASBU Module identified by APIRG/19



COMPREHENSIVE REGIONAL IMPLEMENTATION PLAN FOR AVIATION SAFETY IN AFRICA (AFI PLAN)

FOURTEENTH AFI PLAN STEERING COMMITTEE MEETING (Montreal, Canada, 24 October 2014)

DP/01 ATTACHMENT D: Progress Report on the implementation of the African Flight Procedure Programme (AFPP)

1. INTRODUCTION

1.1 The objective of this paper is to report on progress in the implementation of the African Flight Procedure Programme (AFPP) since the 13th AFI Plan Steering Committee Meeting in May 2014 and to highlight the activities covered in its 2015 work programme.

2. DISCUSSION

2.1 The AFPP hosted by ASECNA in Dakar, Senegal and supported in addition by France, with seconded personnel, and by ICAO (HQ, ESAF and WACAF Regional Offices), commenced operations on 2 June 2014.

2.2 Since the last AFI Plan Steering Committee meeting, several African States have adhered to or indicated interest in membership of the AFPP. These States are grouped as follows:

States that have adhered:

- **Active Participating States (APS):** Burkina Faso, Cabo Verde, Comoros, Congo, Cote d'Ivoire, DRC, Djibouti, Gabon, Gambia, Ghana, Guinea, Mali, Mauritania, Niger, Nigeria, Senegal, Tanzania, Togo and Uganda;
- **User States (US):** Guinea Bissau and Madagascar.
- **States pending signature:**
 - **APS:** Angola, Kenya, Mozambique and Cameroon;
 - **US:** Zimbabwe;

States indicating interest: Rwanda and South Africa.

2.3 The financial management of the programme is entrusted to ICAO TCB through an agreement. The annual contribution required of each APS member, with effect from 1 January 2015, is

USD10,000. Request for payment were issued in this regard to all APSs at the end of September 2014. The 2014 activities however, are being fully funded by donors.

2.4 Activities for 2014, include some of the following:

2.4.1 **AFCAC/ICAO Joint Seminar/Workshop on PBN Implementation Plan:** held in Dakar, Senegal, 24-26 June 2014; this was supported by AFCAC, AIRBUS, and the ICAO WACAF Regional Office. Representatives from 22 States and 3 Organizations participated in the workshop at which States committed to submit their PBN Plan before the end of 2014, with possible assistance from the AFPP. Two conclusions were adopted requesting ASECNA to conduct a workshop to share information on the preparation of PBN plans in its member States, and for ICAO/AFCAC to encourage DGCAAs to meet the PBN Implementation Plan submission deadline.

2.4.2 **PBN Operational Approval Training Workshop:** held in Dar es Salaam, Tanzania, 14-16 October 2014; this was supported by AIRBUS, France, and the ICAO ESAF Regional Office. Representatives from 8 States and 3 Air Operators attended and the PBN operations approval process was presented from both regulator and operator perspectives.

2.4.3 **PANS-OPS Initial Flight Procedure Design Training Course:** scheduled to be held in the AFPP facilities, Dakar, Senegal, 27 October – 14 November 2014; this will be supported by ASECNA and France as the first step for Flight Procedure Design training for States to create internal capacity. The course is open to 15 candidates, free of charge for APS members.

2.4.4 AFPP Familiarization Seminar/Workshop will be held in Addis Ababa, Ethiopia, 20-21 November 2014, to provide to ESAF States non AFPP members, the necessary information to facilitate their effective participation in the AFPP.

2.5 In addition to the above seminars and workshops, the AFPP has received requests for direct assistance from Cameroon CAA (to study and provide financial estimates for conventional and PBN flight procedures design for Maroua-Salak Airport) and Djibouti CAA (for PBN flight procedures regulatory approval and departure/arrival routes design). Ghana CAA has also expressed interest in AFPP assistance in the area of Flight Procedure Design and regulatory approval.

2.6 In June 2014 the AFPP website was established and activated in September 2014 under the following link: <http://www.icao.int/WACAF/African-FPP/Pages/default.aspx>.

3. **2015 WORK PROGRAMME**

3.1 The AFPP Steering Committee (SC) will convene its first meeting from 16 to 17 December 2014 in Nairobi, Kenya, to review the management of the programme and consider for approval the 2015 work programme and associated budget.

3.2 The following elements are covered in the 2015 work programme:

- PBN Implementation Workshop;
- Airspace Design Training Workshop;
- Quality Assurance Process Workshop;
- PBN Operational Approval Course;
- PANS-OPS Initial Procedure Design Course, PBN Procedure Design and OJT;

- Flight Procedure Safety Assessment Workshop;
- Assistance on specific PBN projects; and
- Flight Procedure Design, according to State requests.

3.3 As African States are being encouraged to second experts to the AFPP, their integration in the team will require attention. For this purpose a Memorandum of Understanding will have to be signed between ICAO and the concerned States.

4. **RECOMMENDATIONS**

4.1 It is hereby recommended that:

- a) AFPP pending States clarify their position and complete the membership process;
- b) AFPP Active Participating States pay their 2015 financial contribution in order to allow the AFPP conduct its activities effectively; and
- c) African States be urged to support the implementation of the AFPP work programme by seconding expert/personnel for the AFPP posts.

-END-