



INTERNATIONAL CIVIL AVIATION ORGANIZATION

A United Nations Specialized Agency

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

Informal briefing to Council

15 March 2013

Presentation Outline



- Status of AFI Plan
- Establishing & Strengthening of RSOOs in Africa
- Workshops, Trainings and Seminars
- AFI Plan Training Courses and Workshop Survey, 2012
- Association of Africa Aviation Training Organizations (AATO)
- Development & Implementation of ICAO Plans of Action
- States with resolved SSCs

STATUS OF AFI PLAN



- **OBJECTIVES in 2008-2010**
- Establishment of AFI Plan;
- Gap Analysis to identify Focus Areas of intervention. Three focus areas were identified
- Building African Capabilities and capacity to meet national and international compliance requirements through provision of training

Phase 1

Phase 2

Transition

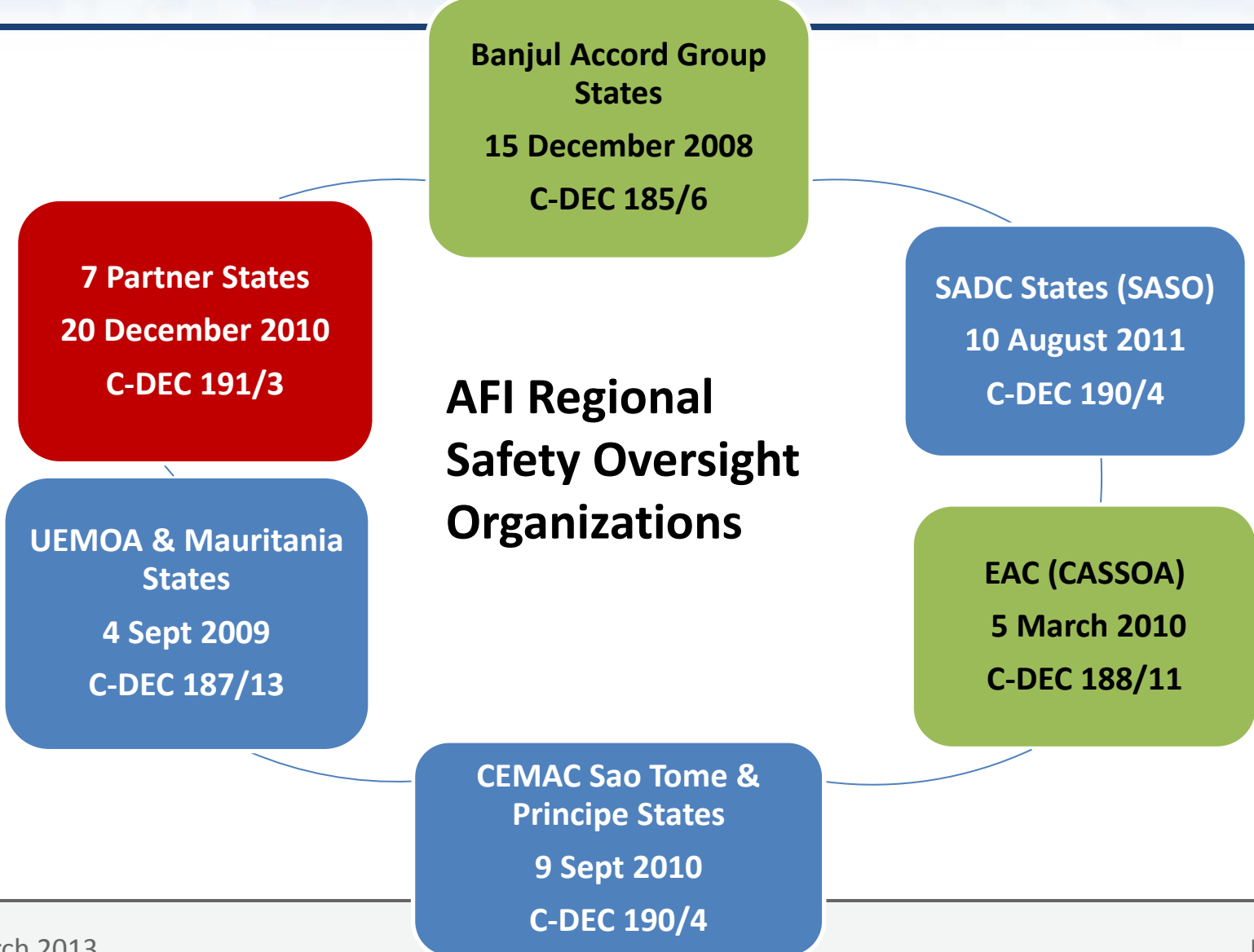
- **JANUARY 2011**
- Integration of Activities into the Regional Offices
- Establishment of ROSTs and intensifying their activities

- **OBJECTIVES 2011-onwards**
- Direct assistance to States to resolve identified deficiencies as detailed in the ICAO Plans of Action
- Resolving of SSCs
- Establishment & strengthening of RSOOs
- Intensify training courses, seminars and workshops in safety-related areas
- Develop & Implement Plans of Action to address deficiencies & attain the High-Level Safety Targets of the Abuja Ministerial Conference.
- Intensify ROSTs Activities in all areas other than Operations and Airworthiness (AGA, CNS, ATM, MET, AIG, PEL)
- Design capacity building projects for sustainability
- Improve Effective Implementation (EI) by States



ESTABLISHING & STRENGTHENING OF REGIONAL SAFETY OVERSIGHT ORGANIZATIONS (RSOOS) IN AFRICA

Letters of Understanding signed between AFI Plan and RSOOs





WORKSHOPS, TRAININGS AND SEMINARS

Special AFI RAN recommendations



Recommendation 4/3 – State Safety Programme:

- “That ICAO urge AFI States, with cooperation from COSCAPs and RSOOs as applicable, to **implement a State Safety Programme** that incorporates effective occurrence investigations, the gathering of such safety data in a database “compatible with ADREP and to share and analyse the data.”

Recommendation 4/4 – ADREP/ECCAIRS Implementation:

- “That **ICAO assists States**, COSCAPs and RSOOs in the planning of ADREP/ECCAIRS training courses to empower the AFI States to share safety data and effectively report to ICAO.”

Special AFI RAN recommendations/ Cont



Recommendation 4/5 - Establishment of Regional Accident Investigation Organizations:

That:

*“as a means of meeting their accident investigation obligations, **States establish Regional Accident Investigation Organizations** by pooling resources through existing groupings of States or other mechanisms;”*

“ICAO arrange additional accident investigation workshops;”



Government Safety Inspector

	Course	2008-2010	2011- to-date	Total
1.	GSI Airworthiness (English)	3 Courses 67 officers 20 States, 1 Org	4 Courses 44 Officers 18 States	7 Courses 111 Officers 25 States, 1 Org
2.	GSI Airworthiness (French)	N/A	N/A	N/A
3.	GSI Operations (English)	1 Course 16 officers 7 States	3 Courses 37 Officers 27 States	4 Courses 53 Officers 31 States
4.	GSI Operations (French)	N/A	1 Course 15 Officers 12 States	1 Course 15 Officers 12 States
5.	GSI Personnel Licensing (English)	1 Course 85 officers 22 States, 5 Orgs	1 Course 20 Officers 10 States	2 Courses 105 Officers, 29 States, 5 Orgs
6.	GSI Personnel Licensing (French)	N/A	N/A	N/A

Aerodrome Inspectors & Aviation Medicine



	Course	2008-2010	2011- to-date	Total
7.	Aerodrome Inspectors (English)	1 Course 21 officers 13 States	4 Courses 109 Officers 28 States, 1 cost recovery	5 Courses 130 Officers 33 States
8.	Aerodrome Inspectors (French)	N/A	3 Courses 56 Officers 21 States, 2 orgs	3 Courses 56 Officers 21 States, 2 orgs
9.	Aviation Medicine (English/French)	1 Workshop 22 Officers 14 States, 2 Orgs	1 Workshop 33 Officers 10 States	2 Workshops 55 Officers 22 States, 2 Orgs

Other Courses



	Course	2008-2010	2011- to-date	Total
10	State Safety Programme/Safety Management Systems (English/French/Portuguese)	15 Courses 655 Officers 53 States (South Sudan did not participate as courses were held prior to its formation)	7 Courses 263 Officers	22 Courses 918 Officers 53 States
11	High Level Management Safety Awareness (English/French)	2 Courses 100 Officers 7 States	2 Courses 90 Officers 2 States	4 Courses, 190 Officers 9 States
12	European Co-ordination Centre for Accident and Incident Reporting System ECCAIRS Safety Data Technical and End Users (English/French)	3 Courses 93 Officers 19 States	4 Courses 124 Officers 14 States, 1 Regional body (CASSOA)	7 Courses, 217 Officers 33 States, 1 Regional body

Workshops/Seminars



	Workshops/Seminars	2008-2010	2011- to-date	Total
13	Safe Transport of Dangerous Goods by Air (English/French)	1 Workshop 51 Officers 12 States, 1 Org	2 Workshops 50 Officers 15 States	3 Workshops 101 Officers, 23 States, 1 Org
14	Air Traffic Control Operations and Safety (English/French)	1 Workshop 49 Officers 11 States, 2 Orgs	N/A	1 Workshop 49 Officers 11 States, 2 Orgs
15	Accident Incident Investigations (English/French)	N/A	3 Workshops 113 Officers 16 States, 3 Orgs	3 Workshops 113 Officers, 16 States, 3 Orgs
16	Instructor Effectiveness Training	N/A	1 Course 11 Officers 7 States, 2 Orgs	1 Course, 11 Officers 7 States, 2 Orgs

Courses and Workshops in 2013



As part of the AFI Plan continued support to the AFI States, various courses are scheduled to take place in 2013 in the following disciplines:-

- ❑ Government Safety Inspector Courses in Aircraft Operations, Airworthiness, Personnel Licensing, Aerodrome Inspectors;
- ❑ Workshops – Transport of Dangerous Goods by Air, Aviation Medicine, Safety Oversight & Accident/ Incident Investigations;

AFI PLAN TRAINING COURSES AND WORKSHOP SURVEY, 2012

Survey Objective



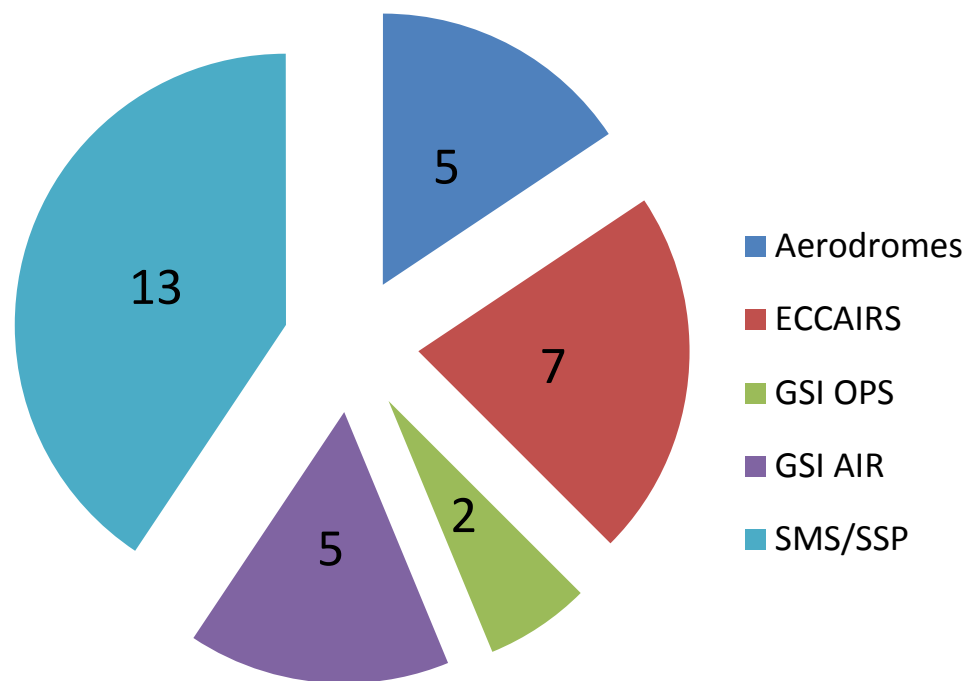
To assess the effectiveness of the implementation of AFI Plan relating to training courses and workshops, a survey was conducted between April and July 2012, at the request of the AFI Plan Steering Committee through detailed questionnaires.

Courses held 2008-2012

A total of thirty two training courses and workshops were delivered and considered in the survey in the following fields:-

- Government Safety Inspectors – Aircraft Operations (GSI OPS)
- Government Safety Inspectors – Airworthiness (GSI AIR)
- Aerodromes Inspectors Course
- State Safety Program and Safety Management System (SSP/SMS)
- European Co-ordination Centre for Accident and Incident Reporting Systems(ECCAIRS)

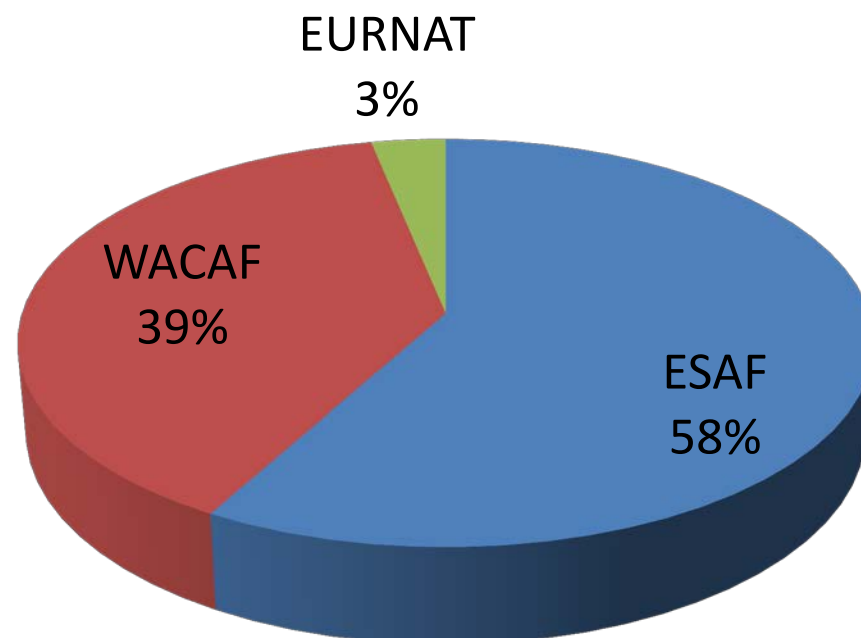
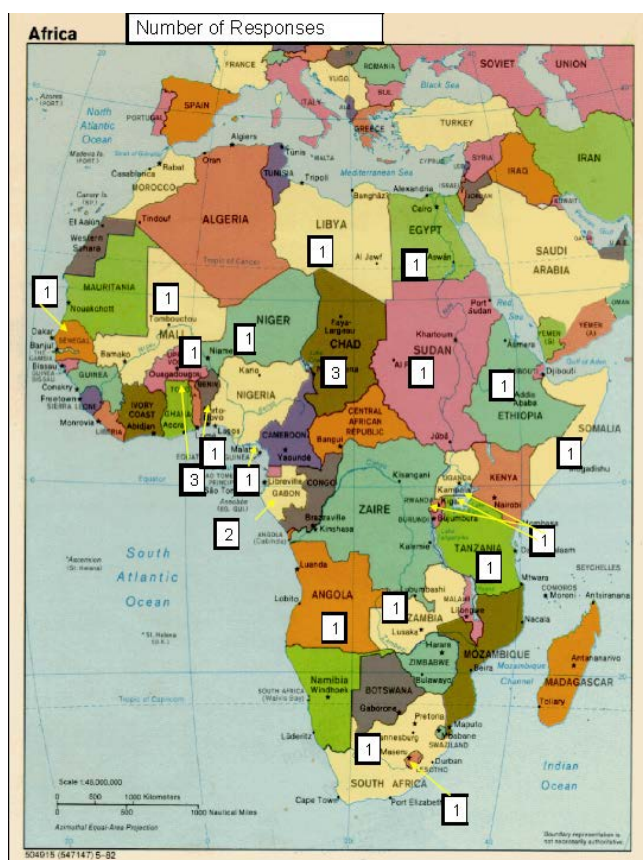
No. of Training Courses



Survey Response

Twenty nine responses were received.

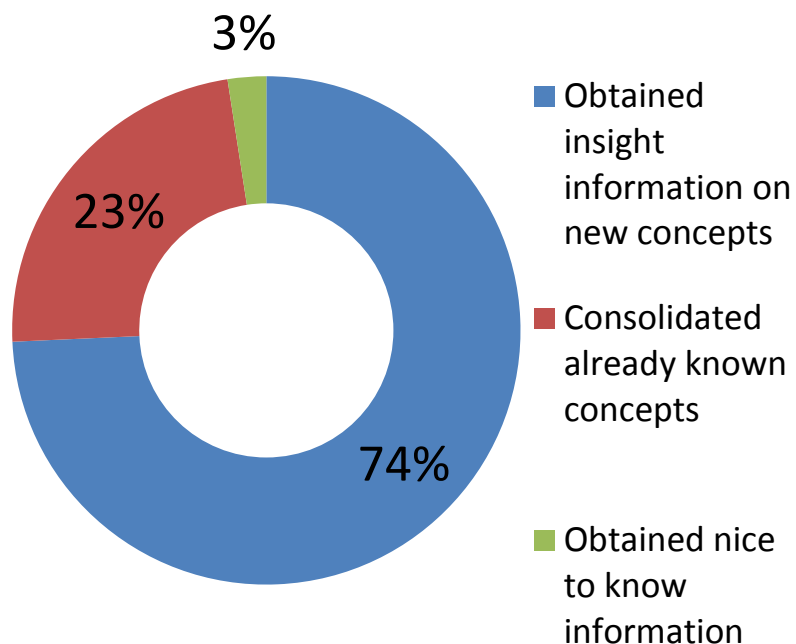
Geographical Distribution of Respondents



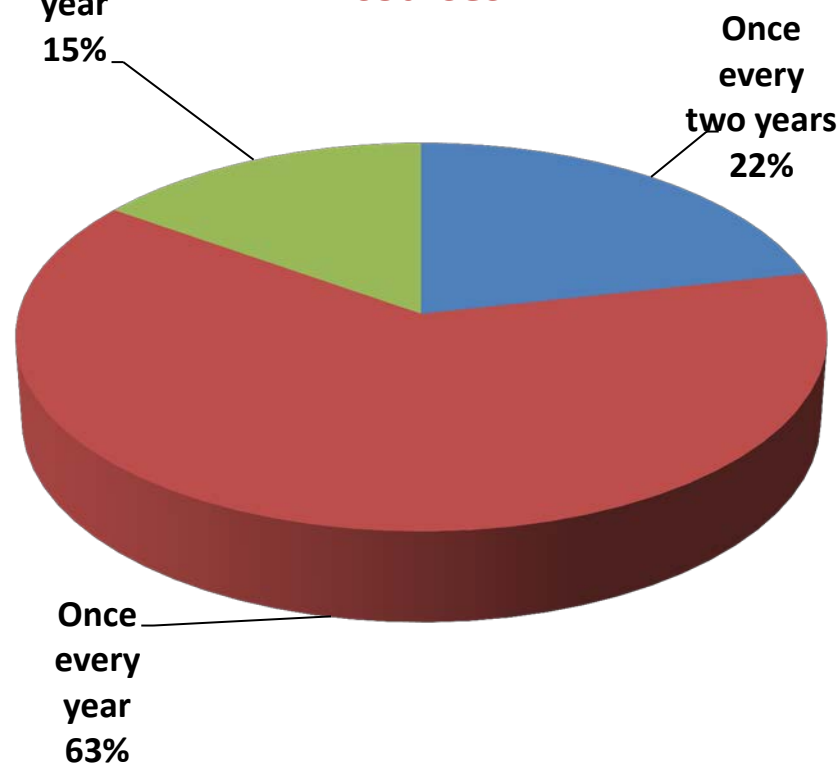
Summary of Analysis



Experience from AFI Plan training courses



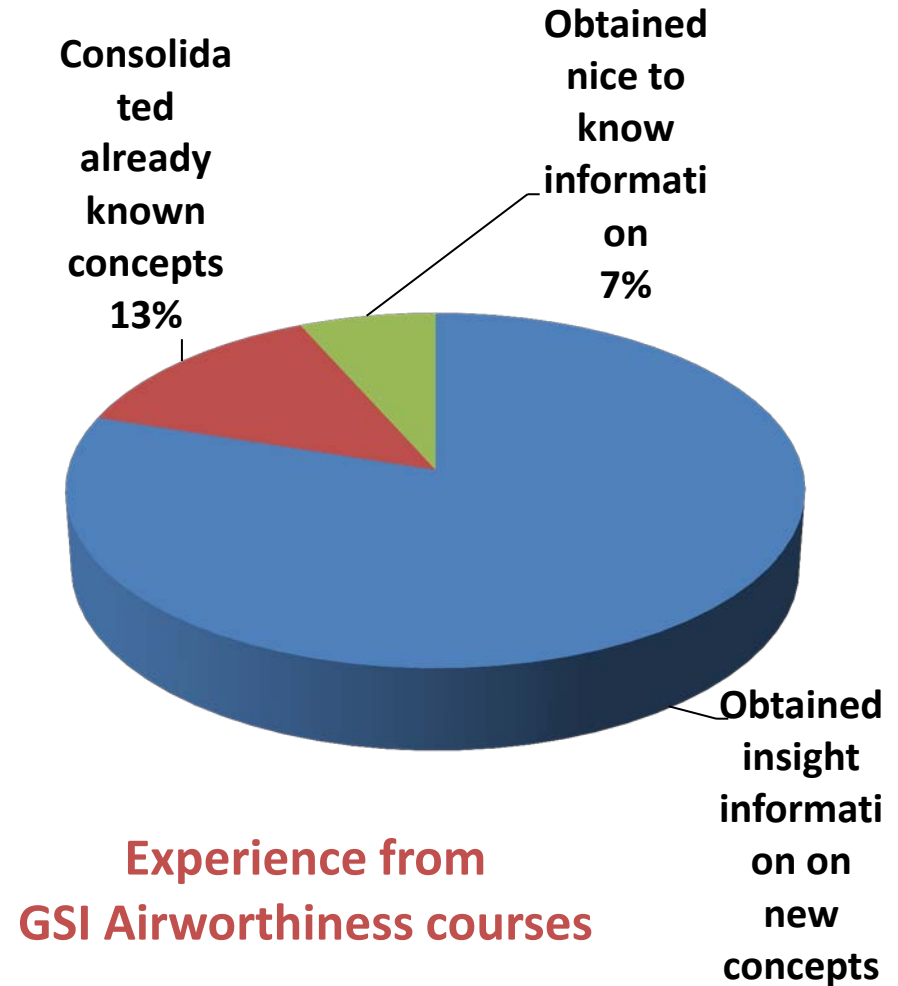
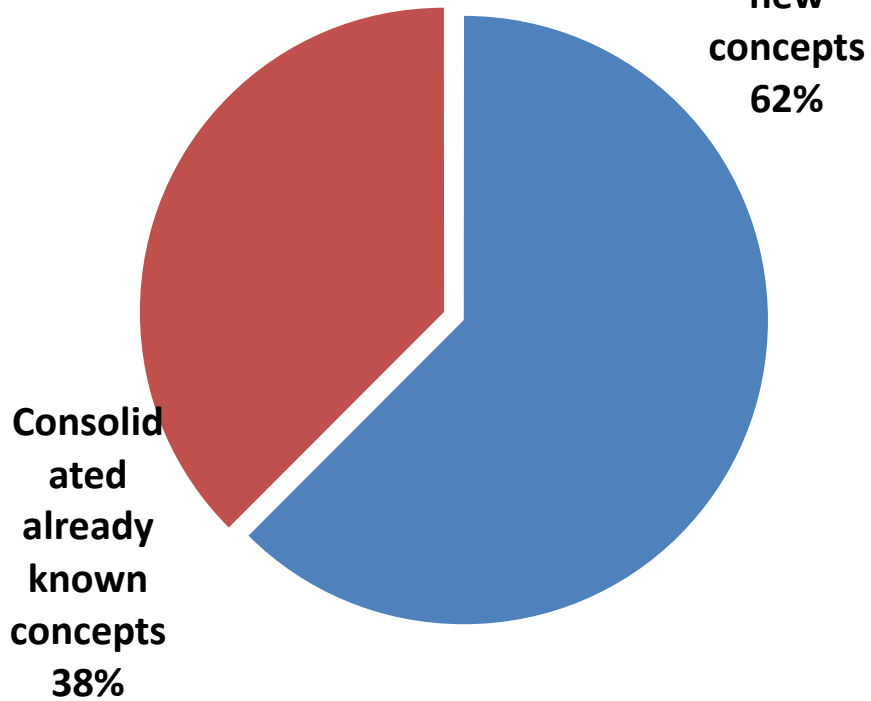
Suggested frequency of continuation of the training courses



Summary of Analysis /Cont



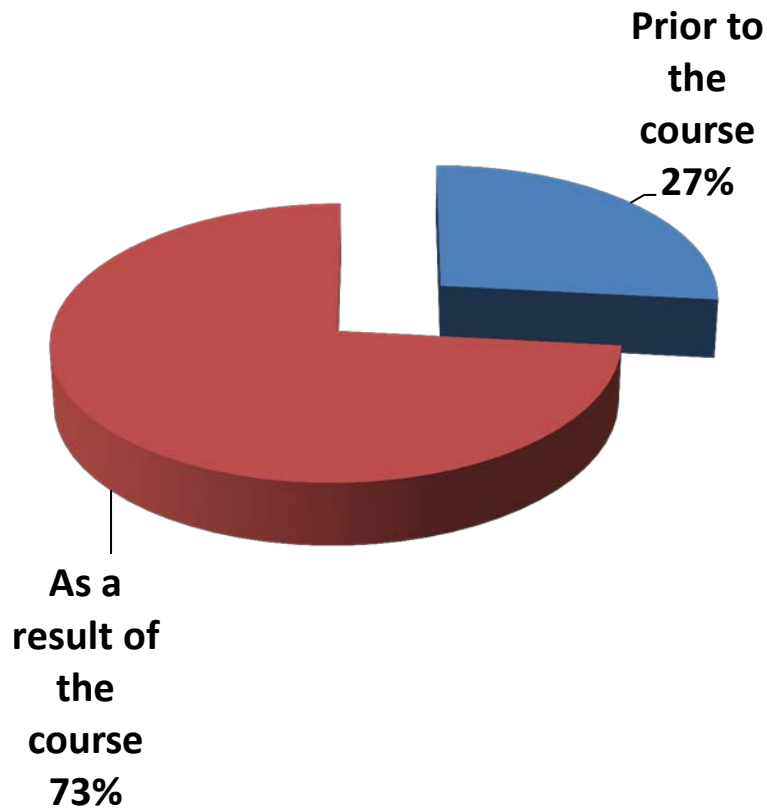
Experience from GSI Operations



Summary of Analysis /Cont

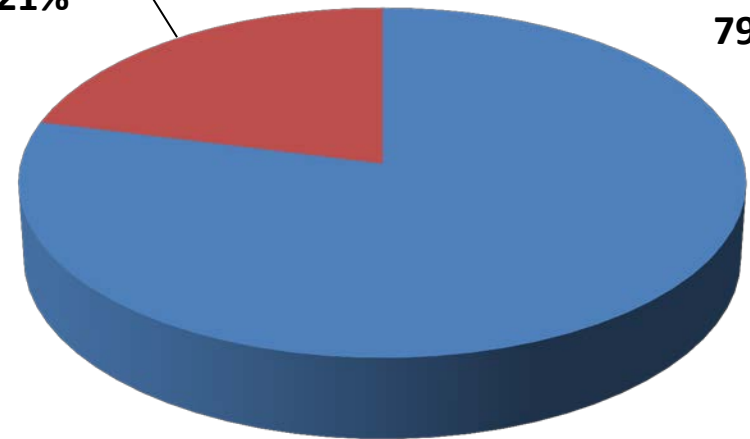


Implementation of the ECCAIRS



Consolidated already known concepts 21%

Obtained insight information on new concepts 79%



Experience from SSP/SMS courses

Overall Analysis



Capacity Building

- Poor participation due to budget constraints within some States, unawareness of training event(s) and lack of related courses in French language.
- Knowledge gained enhanced implementation of ICAO provisions and Capacity building within States

Training programme

- Review entry requirements for GSI courses to accommodate new inspectors and introduce annual refresher courses
- Initial GSI Courses should be held annually in both languages (English and French).

Feedback on Courses

- Open courses to operators and service providers to enable a better understanding of ICAO provisions by the industry
- Course material is very comprehensive hence recommendation for allocation of additional time per session

ASSOCIATION OF AFRICAN AVIATION TRAINING ORGANIZATIONS (AATO)

Special AFI RAN Recommendation 5/8



Recommendation 5/8 – Training Strategies for safety in Africa:

“That,

- ACIP, in cooperation with AFCAC and other stakeholders organize **Pan African Training Coordination Conferences** that will serve as the framework for closer cooperation and harmonization of training requirements as well as standardization and quality assurance;*

- the First Pan-African Training Coordination Conference form a **working group of training experts** to define a master plan for harmonization of training in the AFI Region;*

Pan African Training Coordination Conferences



First Pan-African Aviation Training Coordination Conference, Niamey, 17-19 February 2009

- Initiated the process of implementing Recommendation 5/8 of Special AFI RAN
- Laid the foundation for the development of a framework for closer cooperation and harmonization of training requirements as well as standardization and quality assurance

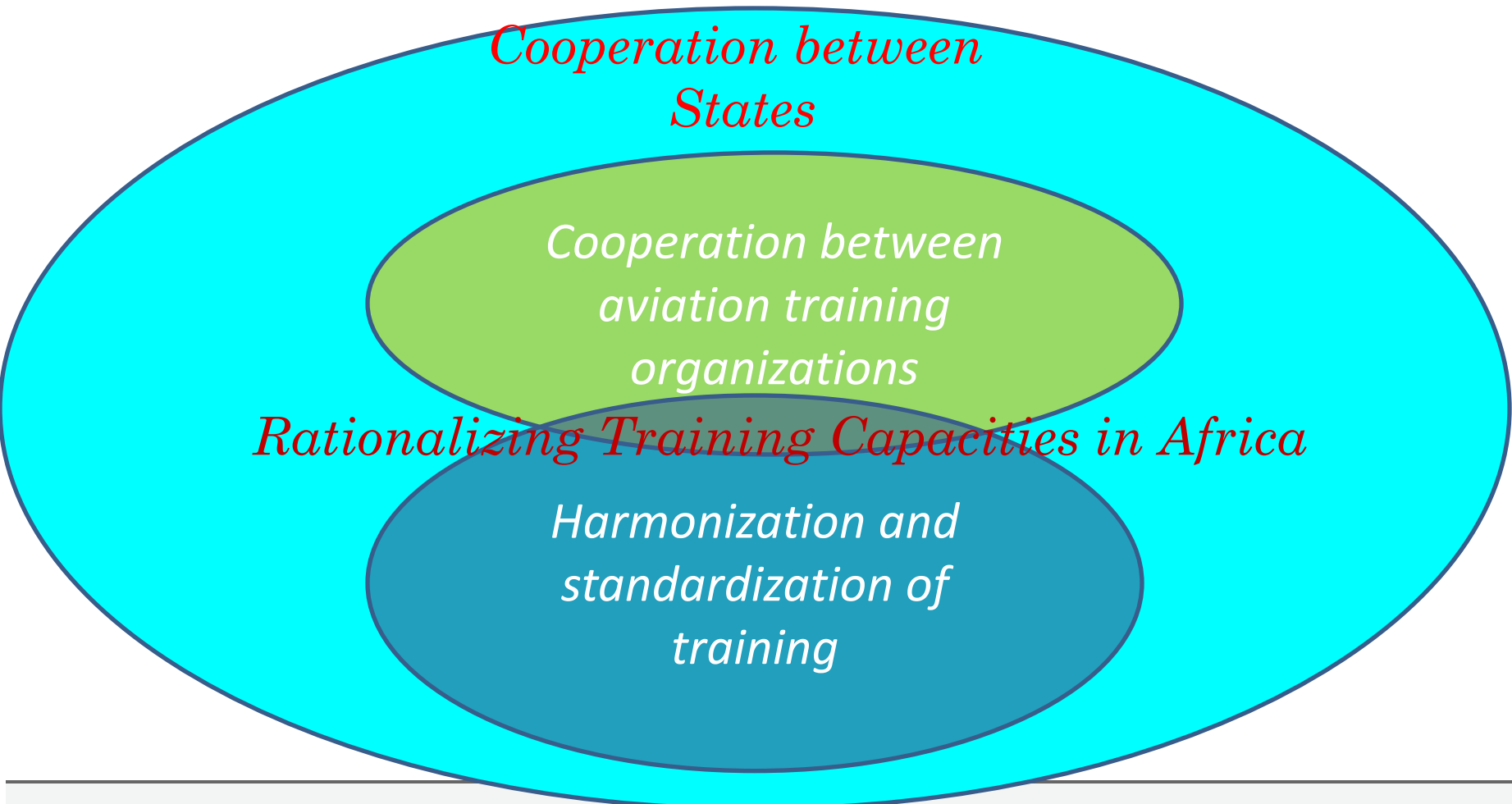
Second Pan-African Aviation Training Coordination Conference, Cairo, 22-24 June 2010

- Received the Report of the Training Experts Working Group
- Adopted a common strategic framework and action plan conceived to improve the availability of affordable and quality training programmes, harmonized and standardized throughout Africa, while promoting a common African Aviation training accreditation system recognized around the world

Third Pan-African Aviation Training Coordination Conference, Cape Town, 27-29 July 2011

- Reviewed the implementation of the action plan adopted by the 2nd Pan African Aviation Training Coordination Conference
- Developed a framework for harmonization of aviation training in Africa

Framework for harmonization of aviation training in Africa



Association of African Aviation Training Organizations - Objectives



Advocacy

Promote the interests of aviation training organizations in Africa

Standards

Design, develop and promote standards and harmonization of aviation training in Africa

Contribution to safety and security

Ensure the harmonization and standardization of training and training requirements in Africa with a view to a better achievement of safe and secure aviation operations in Africa

Outcomes of the consultative assembly on AATO, 2 to 4 April 2012



The Conference reviewed and made recommendations on:

The Draft constitution of the Association of African Aviation Training Organizations (AATO);

The draft organizational structure of the AATO;

The initial list of activities of the AATO that require financial consideration in finalization of the Business Plan 2012-2016 of the Association

The Conference further appointed an interim Council to further pursue the activities towards the finalization of the establishment of the AATO to:

Distribute all the documentation among all the potential members,

Conduct the formal constitutive assembly leading to the signature of the Constitution by the founding members;

Carry out Membership drive;

Oversee the establishment of the Secretariat and prepare the Business Plan

Facilitate the election of the Council in line with the Constitution.

Current Status of AATO Interim Council



Constitutive Assembly
scheduled for 10-12
April 2013 in Abuja,
Nigeria

Status as at March 2013

- ✓ Review and consolidation of the Constitution undertaken;
- ✓ Strategic and Business plans finalized;
- ✓ Procedures manual developed for the Council;
- ✓ AATO brochure developed to assist in membership drive.



DEVELOPMENT & IMPLEMENTATION OF ICAO PLANS OF ACTION

Special AFI RAN Recommendation 5/13 and 5/14



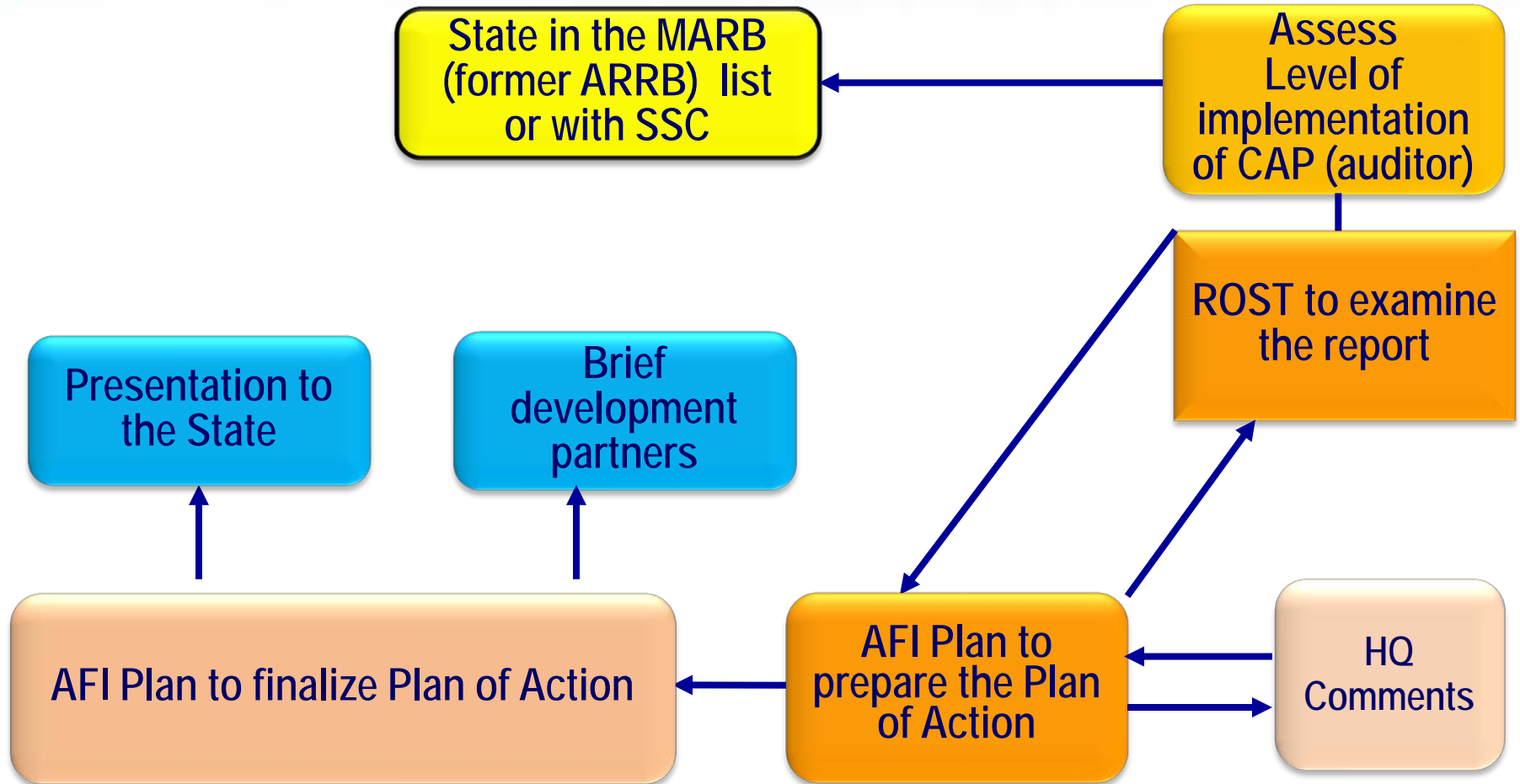
Recommendation 5/13 - Follow-up and continuous monitoring of the sustainability of implementation projects:

- “That Regional Office Safety Teams (ROSTs) be established in the AFI Region to ensure the continuity of the ACIP Programme and to follow up and continuously monitoring the effectiveness and sustainability of implementation projects.”

Recommendation 5/14 - Establishment of complementary safety teams:

- “That Safety Teams be established by States, COSCAPs, and other Regional Aviation Safety Agencies in the AFI Region to complement and work closely with the ICAO Regional Office safety Teams.” RASG established in March 2012

The development process of ICAO Plans of Action at a glance



ICAO PLANS OF ACTION



Immediate Term:

- Address the major safety deficiencies
- Regional Office Safety Teams (ROSTs) and/or AFCAC Cooperative Inspectorate Scheme (AFI-CIS)

Near Term

- Continuation of the implementation of the State's Corrective Action Plan (CAP) to address the remaining deficiencies
- Mostly AFI-CIS

Long Term

- Continue to monitor the situation on an on-going basis to promote aviation safety
- Ensure that the State maintains its ability to comply with safety oversight requirements.
- Mainly through projects (TCB or any other arrangements by the State)

STATES WITH ICAO PLANS OF ACTION



ESAF

1. **ANGOLA**
2. **BOTSWANA****
3. **COMOROS**
4. **DJIBOUTI****
5. **ERITREA**
6. **LESOTHO**
7. **MADAGASCAR**
8. **MALAWI***
9. **MOZAMBIQUE**
10. **RWANDA**
11. **SWAZILAND**
12. **ZAMBIA***

WACAF

1. **BENIN****
2. **CAMEROON**
3. **CHAD**
4. **CONGO**
5. **CENTRAL AFRICAN REPUBLIC**
6. **DRC***
7. **EQUATORIAL GUINEA****
8. **GABON***
9. **GUINEA**
10. **GUINEA-BISSAU****
11. **LIBERIA****
12. **SIERRA LEONE**
13. **SAO TOME AND PRINCIPE****

* AFI-CIS Missions undertaken

** Revised Plans of Action

Outstanding SSCs

- As of January 2013, the following States have outstanding SSCs;
 - Angola, Djibouti, Eritrea, Malawi in ESAF
 - Congo, Democratic Republic of Congo, Guinea, Guinea Bissau, and Sao Tome and Principe in WACAF

2013 Planned CSAs & ICVMs



In 2013

ICAO has identified the following States as priority States & planned for a Comprehensive Systems Approach (CSA) audits or ICAO Coordinated Validation Missions (ICVMs)

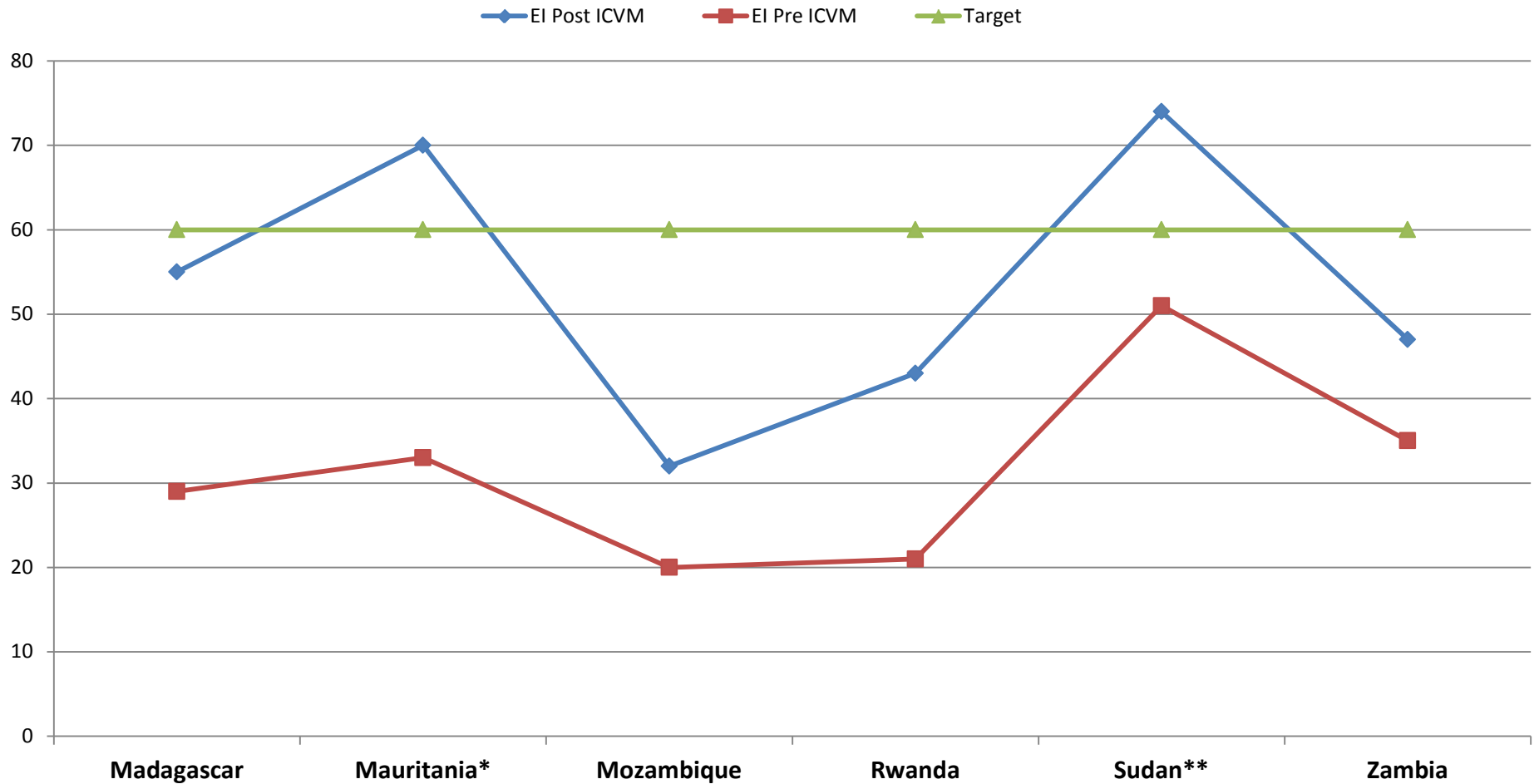
CSAs

- Burundi
- United Republic of Tanzania

ICVMs

- Botswana
- Cameroon
- Central African Republic
- Congo
- Cote d'Ivoire
- Democratic Republic of Congo
- Djibouti
- Eritrea
- Guinea
- Guinea-Bissau
- Kenya
- Liberia
- Malawi
- Sao Tome & Principe
- Sierra Leone
- South Africa

SSCs resolved and Improvements in Effective Implementation (EI)

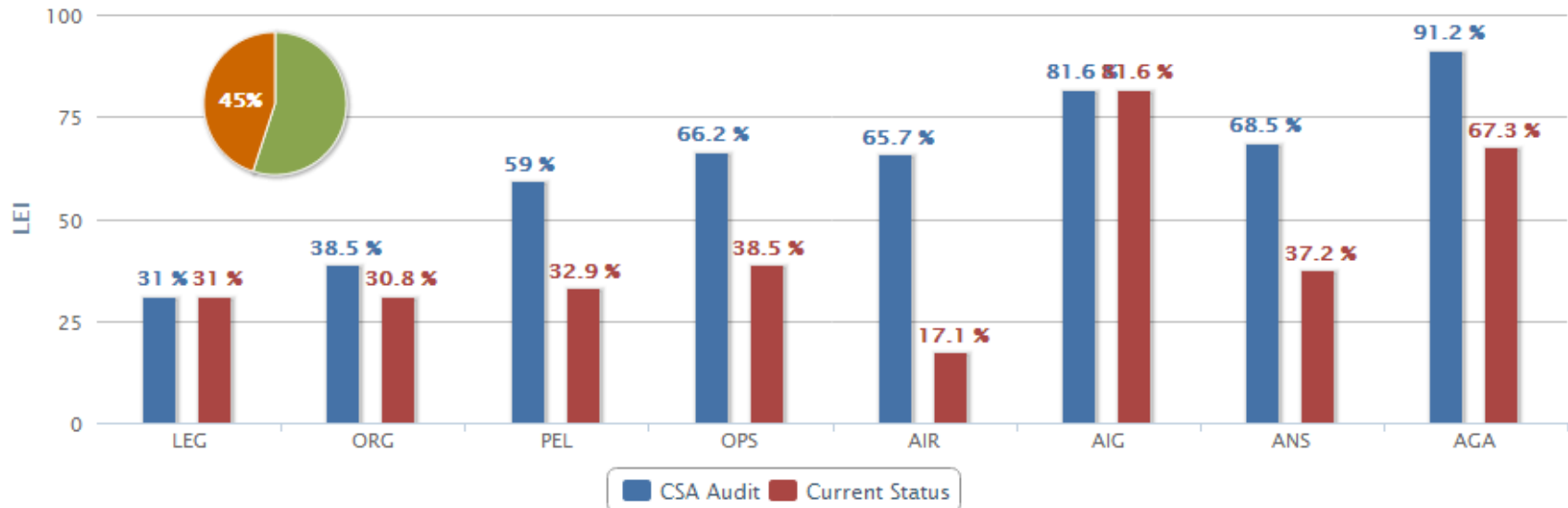


*No Plan of Action **MID Regional Office

ICVM Results: MADAGASCAR Performance by Audit Areas



Lack of Effective Implementation by AREA
Madagascar (CSA Audit LEI: 71%)



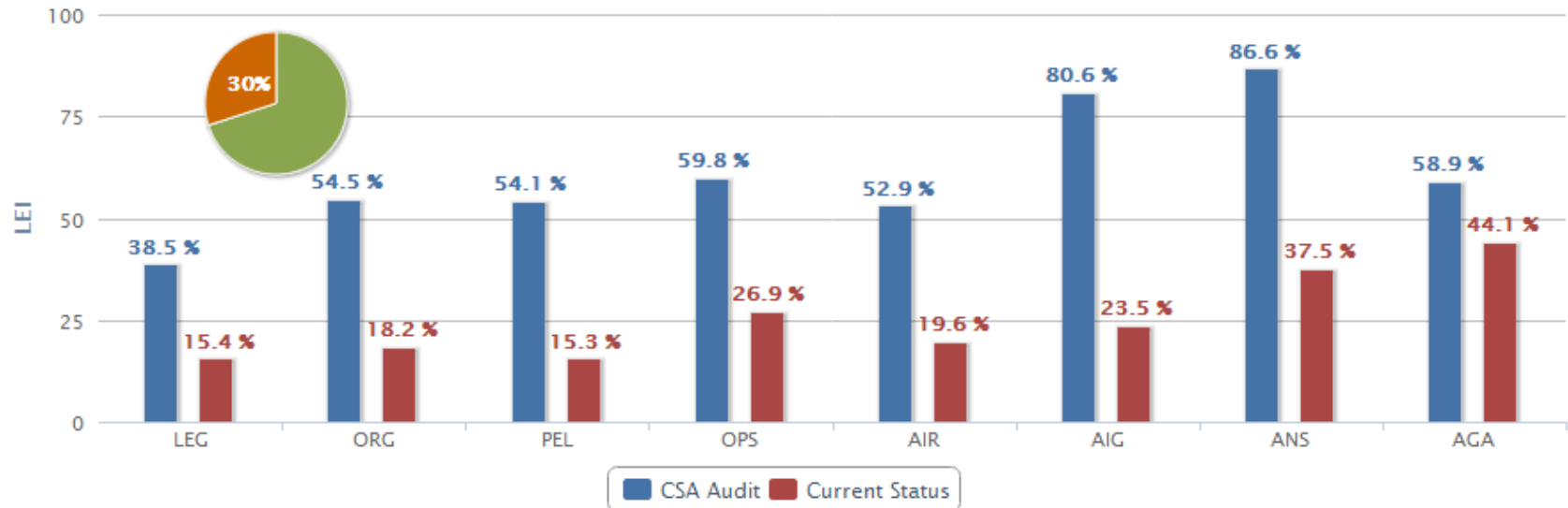
- ICVM conducted on 21– 25 May 2012
- Scope of ICVM limited to LEG, ORG, PEL, OPS, AIR, ANS and AGA
- ICVM did not address the areas of: AIG
- Improvement in all validated areas except LEG
- SSC resolved

ICVM Results: MAURITANIA

Performance by Audit Areas



Lack of Effective Implementation by AREA
Mauritania (CSA Audit LEI: 67%)

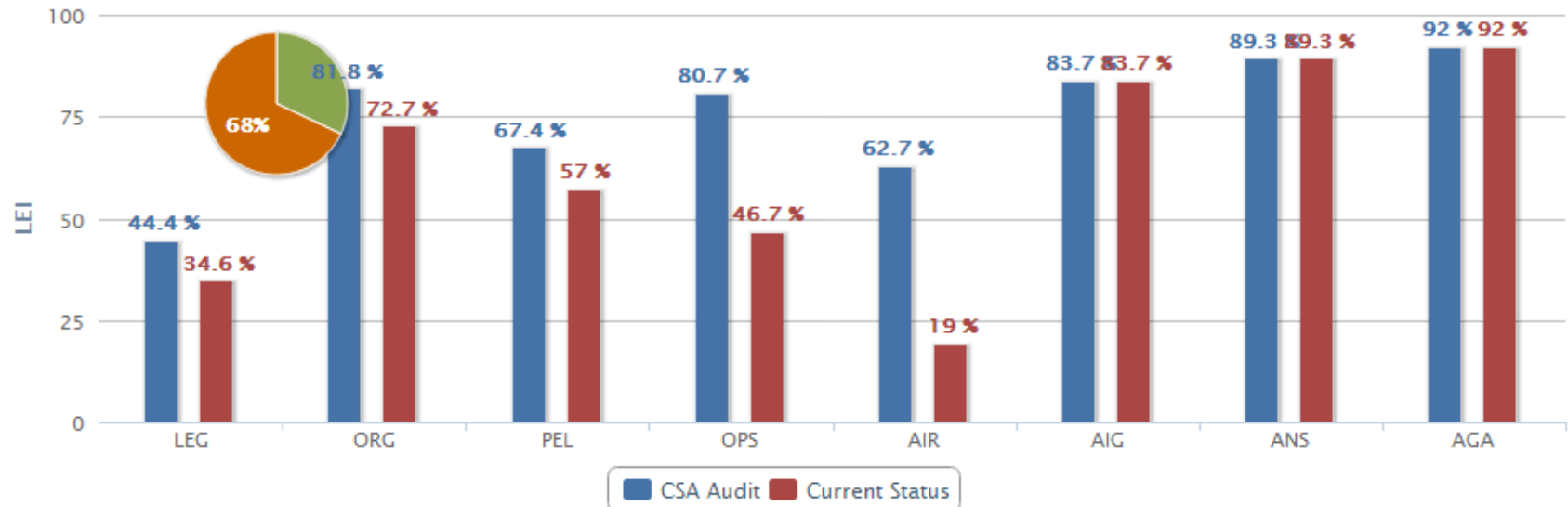


- ICVM conducted on 22-30 Apr 2012 (initial) and 2-6 Sep 2012 (follow-up)
- Scope of ICVM covered all audit areas
- Significant improvement in all audit areas
- SSC resolved

ICVM Results: MOZAMBIQUE Performance by Audit Areas



Lack of Effective Implementation by AREA
Mozambique (CSA Audit LEI: 80%)



- ICVM conducted on 26 – 30 September 2011
- Scope of ICVM limited to LEG, ORG, PEL, OPS and AIR
- ICVM did not address the areas of: AIG, ANS and AGA
- Improvement in all validated areas
- SSC resolved

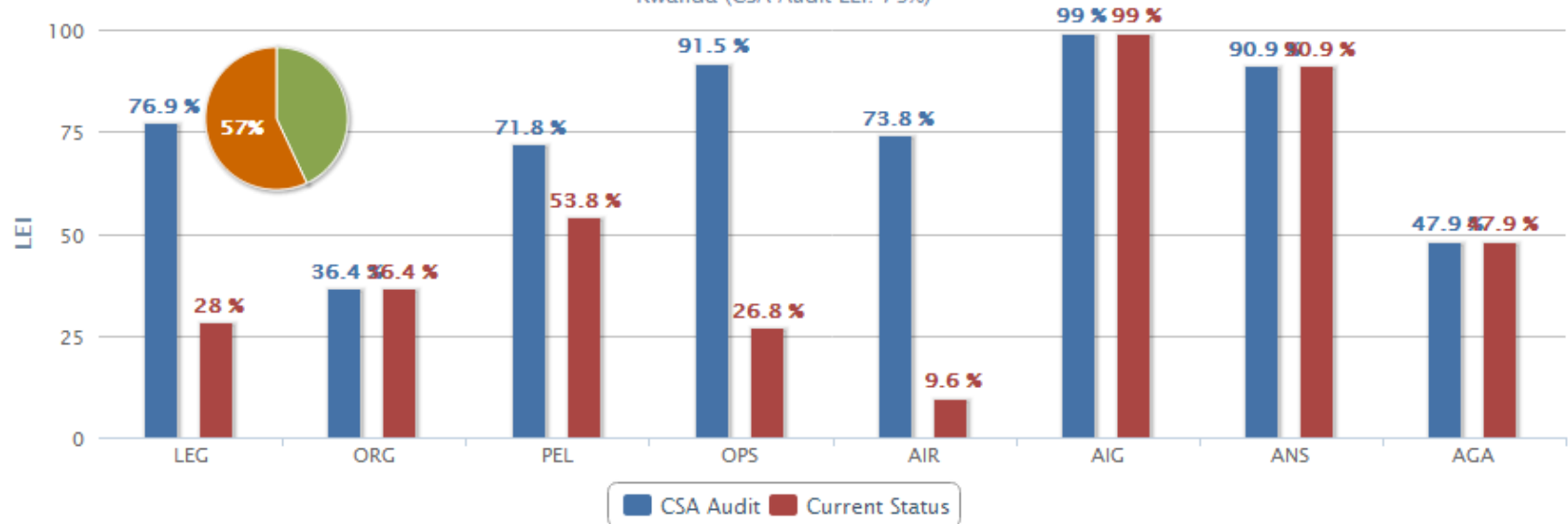
ICVM Results: RWANDA

Performance by Audit Areas



Lack of Effective Implementation by AREA

Rwanda (CSA Audit LEI: 79%)



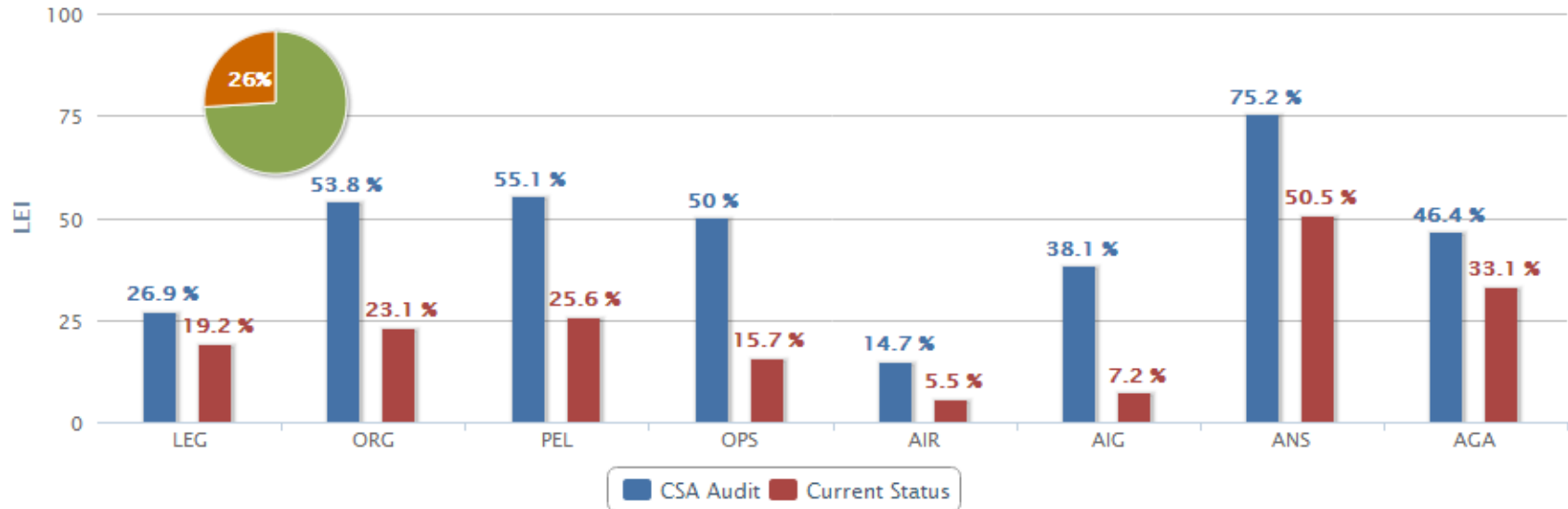
- ICVM conducted on 31 October – 6 November 2012
- Scope of ICVM limited to LEG, ORG, PEL, OPS and AIR
- ICVM did not address the areas of: AIG, ANS and AGA
- Improvement in all validated areas
- SSC resolved

ICVM Results: SUDAN

Performance by Audit Areas



Lack of Effective Implementation by AREA
Sudan (CSA Audit LEI: 49%)



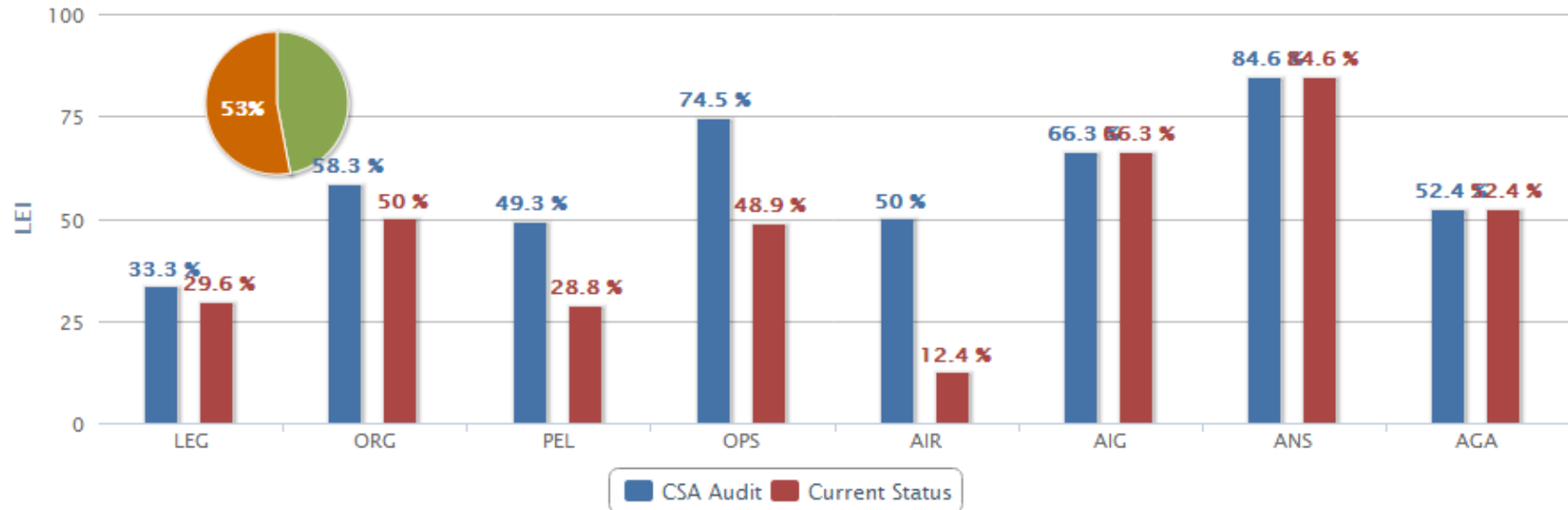
- ICVM conducted on 11–15Dec. 2011 (initial) and a 16–19 May 2012 (follow-up)
- Scope of ICVM was ALL audit areas
- SSC identified during the initial ICVM
- Significant improvement in all CEs
- SSC resolved during the initial ICVM

ICVM Results: ZAMBIA

Performance by Audit Areas



Lack of Effective Implementation by AREA
Zambia (CSA Audit LEI: 65%)



- ICVM conducted on 12 – 18 December 2012
- Scope of ICVM limited to LEG, ORG, PEL, OPS and AIR
- ICVM did not address the areas of: AIG, ANS and AGA
- Improvement in all validated areas
- SSC resolved

Conclusion



- Successful implementation of AFI Plan objectives in near term and ongoing in medium term.
- Capacity Building undertaken through training
- Establishment of AATO
- Successful ROST interventions
- Resolve of SSCs
- Significant Improvement in Effective Implementation (EI)



AFI PLAN Informal briefing to Council

THANK YOU