ICAO SAFETY

South African Civil Aviation Authority

Ishmael Sebogodi

Deputy NCMC

Dakar, 15 to 18 July 2019

ICAO SAFETY

❏NCMC Team Establishment

❏State Profile (RSA)

❏State EI (2007-2017)

❏Experience & Lesson Learned
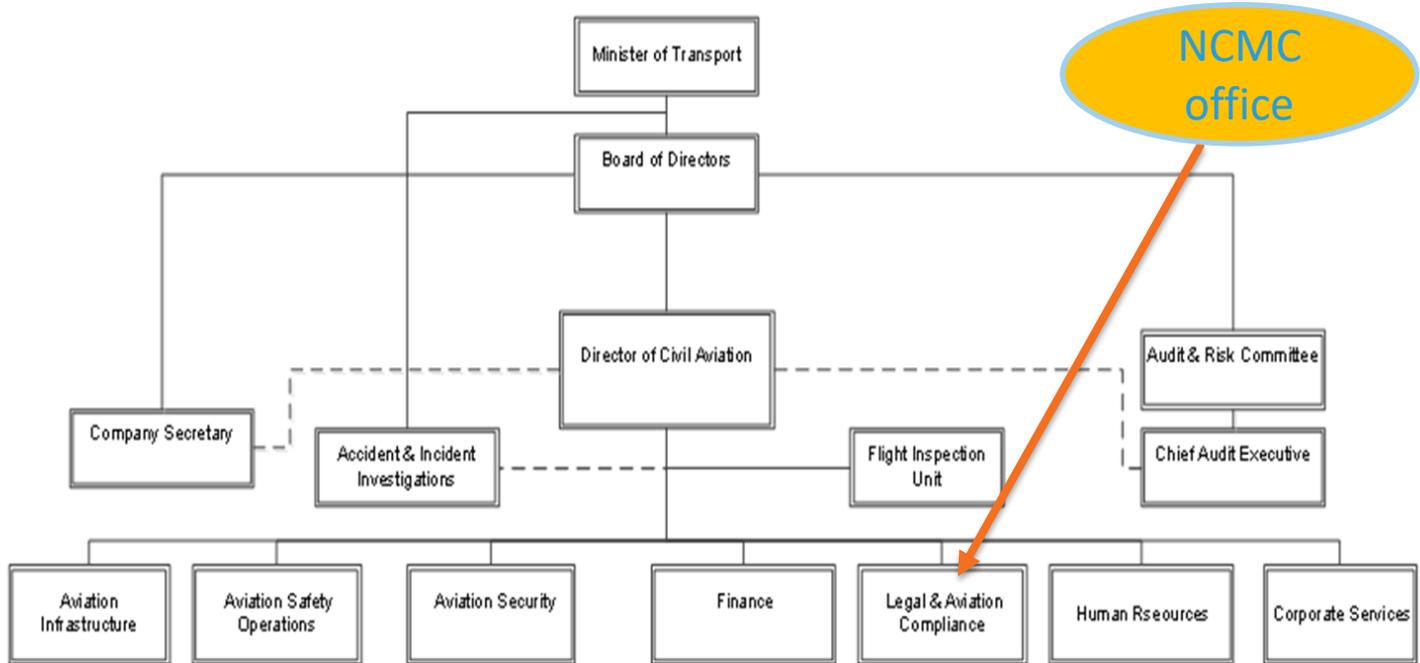
❏ICS Activities
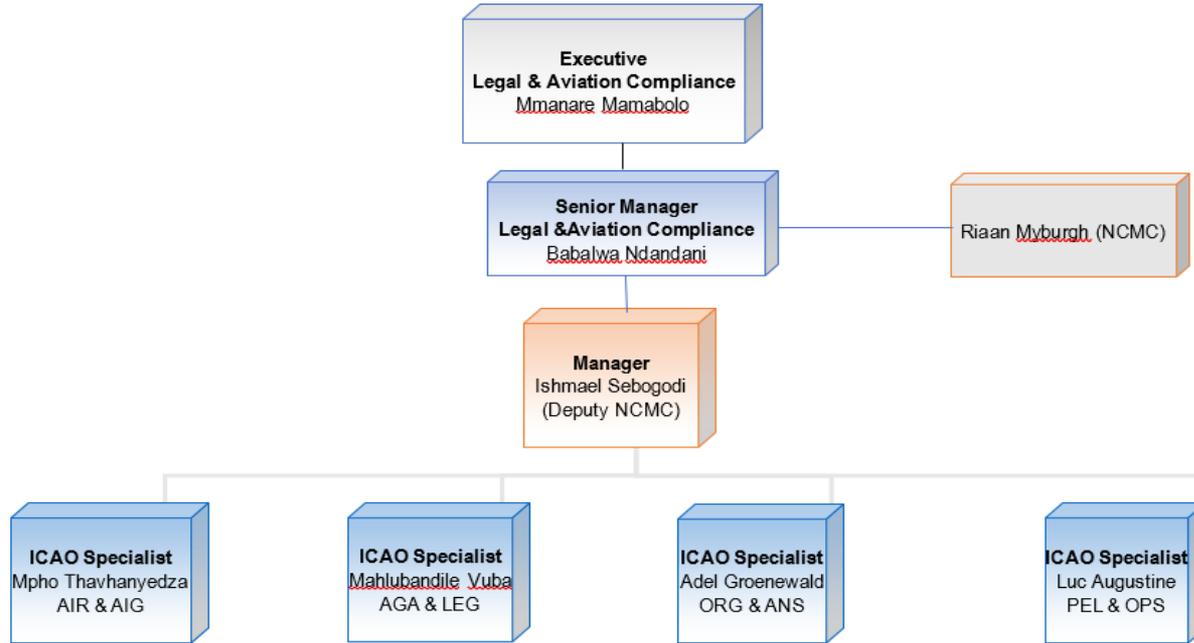
ICAO   SAFETY

SA Activities	
No of A/C	Approx: 13656
AOC	228
AMO	429
DOA	13
POA	20
ATO	50
Aerodrome (International)	10

Staff Numbers (Inspectorate)	
PEL	58
OPS	61
AIR	56
Aerodrome	15
ANS	28

2007 ICAO Audit

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EI = 77.33 %

CRITICAL ELEMENTS OF A SAFETY OVERSIGHT SYSTEM
LACK OF EFFECTIVE IMPLEMENTATION (%)

Global: (88) Audited States: 44.48%   Audit of: SOUTH AFRICA 22.87%
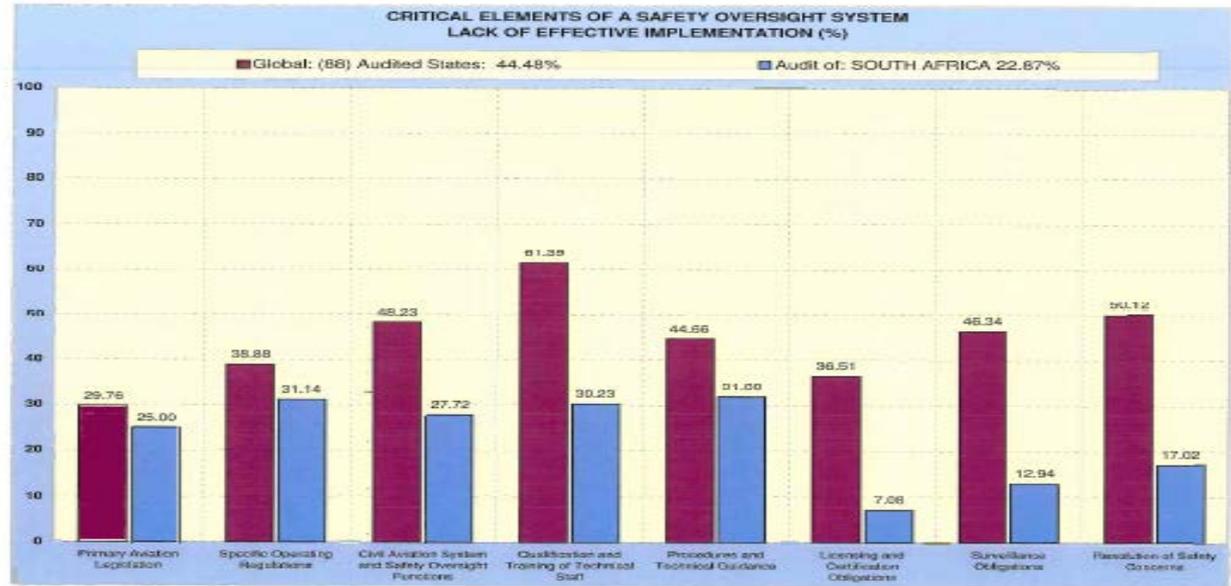
- Post audit debrief revealed the following;
  - Silo Approach
  - Lack of control on Quality of deliverables
  - Incomplete/partial completed deliverables
  - Lack of specialist ICAO compliance knowledge
  - Low level of Assurance on progress made

- The following actions were instituted to improve compliance in relation to USOAP CMA activities;
  - Establish a USOAP CMA Task Team (TT)
    - Consisting of representatives of all affected State Entities
    - Monthly progress meetings
  - Establish an ICAO Compliance Section (ICS)
    - Established in Risk & Compliance Department
    - Manager and 4 ICAO specialists
    - All ICAO deliverables to be audited prior to submission
  - Regular training of ICS Specialist by attending USOAP CMA workshops and completing CBT
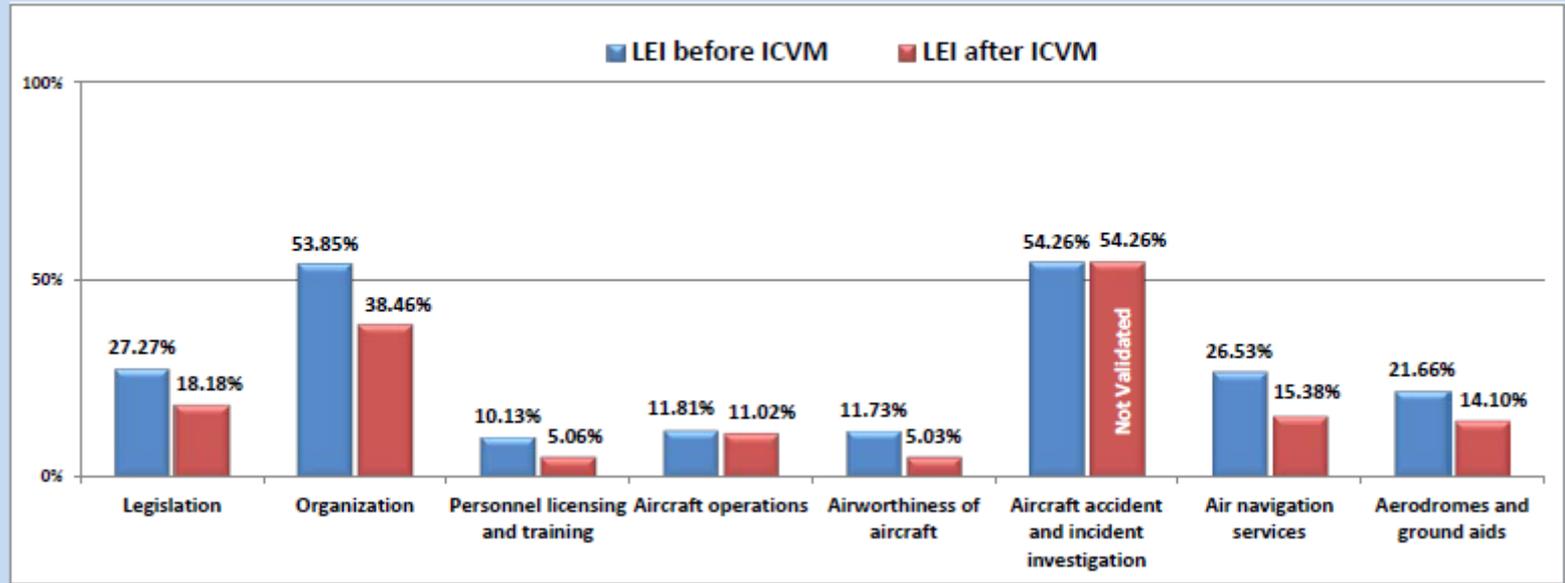
2013 ICAO ICVM

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South Africa (ICVM period: 24 to 30 July 2013)

LEI before ICVM: 22.59%
LEI after ICVM: 16.33%

Figure 1. Lack of Effective Implementation by Critical Element of a Safety Oversight System

Figure 2. Lack of Effective Implementation by Area

	LEI before ICVM	LEI after ICVM
Legislation	27.27%	18.18%
Organization	53.85%	38.46%
Personnel licensing and training	10.13%	5.06%
Aircraft operations	11.81%	11.02%
Airworthiness of aircraft	11.73%	5.03%
Aircraft accident and incident investigation	54.26%	54.26% (Not Validated)
Air navigation services	26.53%	15.38%
Aerodromes and ground aids	21.66%	14.10%

- Post audit debrief revealed the following;
  - South African EI Improved
  - 16% LEI will require more resources
  - Rule-making process was found to be too slow
  - ESAF ROST mission made a positive contribution in preparations for the ICVM
  - ICAO Compliance Section (ICS) established too late to make significant contribution
  - Record Keeping needed to be improved

- The following activities were retained to maintain compliance in relation to USOAP CMA Activities;
  - Monthly USOAP CMA Task Team Meetings
  - Regular training of ICS Specialist by attending USOAP CMA workshops and completing CBT
- The following actions were instituted to improve compliance in relation to USOAP CMA Activities;
  - Move ICS to Legal & Compliance Division
  - Enhancement of state letter management processes
  - Acquisition of an Enterprise Business System (EMPIC-EBS)
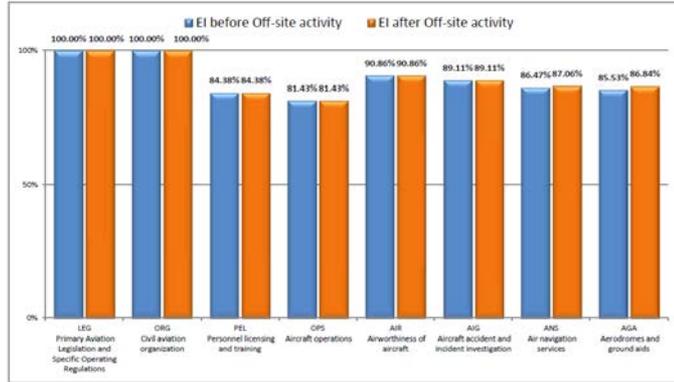
2017 ICAO Audit
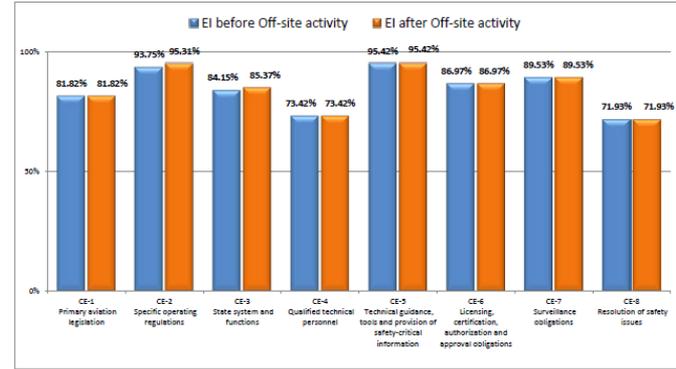
State EI-2017

Per Audit Area

Figure 2. EI by Audit Areas

Per Critical Area

Figure 1. EI by Critical Elements

RSA vs Global Average

- South Africa's EI is 87.41%
- Global Average EI is 65.06%
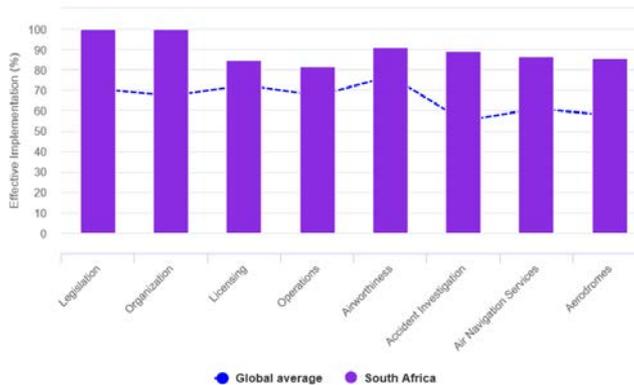
- Post audit debrief revealed the following;
  - South African EI improved.
  - Negative impact of organisational restructuring before audits
  - Rule-making process to be improved
  - ESAF ROST mission made a positive contribution towards audit preparations
  - Over reliance of Audit Areas on ICS to ensure USOAP CMA Compliance
  - Inspector training system should be improved

- The following activities were retained to maintain compliance in relation to USOAP CMA Activities;
  - Monthly USOAP CMA Task Team Meetings
  - Regular training of ICS Specialist by attending USOAP CMA workshops and completing CBT
- The following actions were instituted to maintain compliance in relation to USOAP CMA Activities;
  - Full implementation of the EBS system to address the record keeping
  - Development of a Training model for EBS to centralise the training

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ICAO USOAP CMA Audit History
2007 - 2019

Bar chart showing EI values by year:
- 2007: 77.13
- 2013: 83.67
- 2017: 86.72
- 2018: 87.37
- 2019 ICAO Portal: 87.41

Y-axis: 70, 75, 80, 85, 90. X-axis label: Year

ICS Activities

USOAP CMA ACTIVITY SCHEDULE
2019/20

	1st Quarter			2nd Quarter			3rd Quarter			4th Quarter		
	April	May	June	July	August	September	October	November	December	January	February	March
ICS	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF.	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF.	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF.	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF.	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF.	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF.	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF.	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF.	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF.	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF.	•Monitor CAP targets and verify the acceptability of evidence upon receipt, and update the OLF.
	•Facilitate self – assessment (CE 1, 2 & 3)			•Facilitate self – assessment (CE 4 & 5)			•Facilitate self – assessment (CE 6 & 7) •Facilitate Self-Assessment of SSP PQs			•Facilitate self – assessment (CE 6, 7 & 8) •Facilitate Self-Assessment of SSP PQs		
	•Facilitate the maintenance of CC/EFOD			•Facilitate the maintenance of CC/EFOD			•Facilitate the updating of CC/EFOD			•Facilitate the maintenance of CC/EFOD •Facilitate and verify SAAQ updates		
	Monthly Report to EXCO on ICAO USOAP CMA Activities	Monthly Report to EXCO on ICAO USOAP CMA Activities	Quarterly Report to Board on ICAO USOAP CMA Activities	Monthly Report to EXCO on ICAO USOAP CMA Activities	Monthly Report to EXCO on ICAO USOAP CMA Activities	Quarterly Report to Board on ICAO USOAP CMA Activities	Monthly Report to EXCO on ICAO USOAP CMA Activities	Monthly Report to EXCO on ICAO USOAP CMA Activities	Quarterly Report to Board on ICAO USOAP CMA Activities	Monthly Report to EXCO on ICAO USOAP CMA Activities	Monthly Report to EXCO on ICAO USOAP CMA Activities	Quarterly Report to Board on ICAO USOAP CMA Activities
Audit Area	• Submit CAP deliverables to ICS	• Submit CAP deliverables to ICS	• Submit CAP deliverables to ICS	• Submit CAP deliverables to ICS	• Submit CAP deliverables to ICS	• Submit CAP deliverables to ICS	• Submit CAP deliverables to ICS	• Submit CAP deliverables to ICS	• Submit CAP deliverables to ICS	• Submit CAP deliverables to ICS	• Submit CAP deliverables to ICS	• Submit CAP deliverables to ICS
	• Perform self – assessment of CE 1, 2 &3. • Update and maintain CC/EFOD			• Perform self – assessment of CE 4 & 5. • Update and maintain CC/EFOD •Identify and file Significant Differences			• Perform self – assessment of CE 6 & 7. • Perform self – assessment of SSP PQs • Update and maintain CC/EFOD •Identify and file Significant Differences			• Perform self – assessment of CE 6 & 7. • Perform self – assessment of SSP PQs • Update and maintain CC/EFOD •Identify and file Significant Differences •Update SAAQ		

NOTES:

1. The tasks identified in this Activity Schedule are based on the five main USOAP CMA Activities, these are:
   - Corrective Action Plan (CAP)
   - Self-assessment (PQs),
   - SSP Self-assessment
   - Electronic filing of differences (CC/EFOD), and
   - State Aviation Activity Questionnaire (SAAQ).
2. Although SSP is included in this schedule, it has to be noted that, currently the USOAP CMA OLF does not cater for this function in a sense that there is no platform to upload any SSP related evidence; this function will therefore be monitored outside of the USOAP CMA OLF, and reported on accordingly.

ICS Reports

Section / Department / Division   ICAO COMPLIANCE

Form Number: CA 183-195

ICAO CMA: PQ AUDIT REPORT

1. AUDIT AREA INFORMATION

Audit Area Name:	Aircraft accident and incident investigation (AIG)
Accountable Executive:	Mr. Peter Mashaba
Responsible SM:	Mr. Albert Morudi

Date of Audit:	From	01 April 2019	To	30 June 2019

2. AUDIT AREA PQ INFORMATION

No of PQs:	35 Audited
Audit Scope:	CE 1 to CE 3 (Not satisfactory)
ICAO Compliance Specialist:	Mpho Thavhanyedza

3. AUDIT REPORT

PQ No	Abbreviated PQ Requirement/s	Auditor Comments
6.001	Has the State promulgated legislation or regulations instituting an investigation into the circumstances of aircraft accidents and serious incidents in compliance with the provisions of Annex 13?	Not Satisfactory The regulation attached [12.03.2 (1)] as evidence has not been promulgated
6.011	Has the State promulgated primary legislation or regulations stipulating that accident prevention is the sole objective of aircraft accident and serious incident investigations and that it is not the purpose of the investigation to apportion blame or liability?	Not Satisfactory The regulation attached [12.03.1] as evidence has not been promulgated
6.017	Has the State implemented a procedure for identifying and notifying differences, if any, to ICAO?	Not Satisfactory No evidence attached to confirm effective implementation as required by PQ guidance

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6.383	Has the State established a comprehensive system for providing assistance to aircraft accident victims and their families?	Not Satisfactory No evidence is attached on the OLF (PQ NEW)

Add rows for additional PQs

4. GENERAL COMMENTS

An audit was conducted on all AIG PQ for critical element 1 to 3 (35 in total). The report contain those PQ were the evidence is either not satisfactory or outdated (12 in total). The CAP must be submitted to ICS within 30 days of the receipt of the report. CAP must be closed within 60 days. (I.e. before the end of the next quarter)

Thavllpho	Mpho Thavhanyedza	27 June 2019
SIGNATURE OF ICAO COMPLIANCE SPECIALIST	NAME IN BLOCK LETTERS	DATE

5. VERIFICATION BY MANAGER

REPORT   VERIFIED .

	Ishmael Sebogodi ICAO Compliance Manager South African Civil Aviation Authority	2019 -06- 2 7
SIGNATURE OF MANAGER: ICAO COMPLIANCE	NAME IN BLOCK LETTERS	DATE

Questions

North American
Central American
and Caribbean
(NACC) Office
Mexico City

South American
(SAM) Office
Lima

ICAO
Headquarters
Montréal

Western and
Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok

THANK YOU