SUDAN

Agenda

➢ Background

➢ Current status

➢ Main obstacles

➢ Work programme to complete PQs and CAP

➢ Needs to complete CAP and PQs

➢ Technical assistance received

➢ Comments on the USOAP CMA On-Line Framework

➢ Other comments

Background

Audit under the Comprehensive Systems Approach (CSA)

➢ Date: 21 to 30 of November 2006

➢ The audit generated: 87 Findings; with

399 PQs found not satisfactory.

➢ Effective Implementation (EI): 49.3 %

Background (Cont.)

First ICVM to Sudan under the USOAP CMA:

➢ Date: 11 to 15 December 2011.

➢ 399 PQs were assessed (LEG, ORG, PEL, AIR, OPS,AIG, ANS and AGA); progress reviewed on 80 findings

➢ 158 PQs changed to satisfactory.

➢ 2 PQs changed to not applicable.

➢ 239 PQs remain not satisfactory.

➢ The effective implementation (EI) improved from 49.3 % to 68.9% .

➢ A potential SSC related to the air operator certification process were identified.

Background (Cont.)

Second (ICVM) to SUDAN under the USOAP CMA:

➢ Date: 16 to 19 May 2012.

➢ 32 PQs in the areas of OPS and AIR assessed.

➢ 26 PQs changed to satisfactory.

➢ The effective implementation (EI) improved from 68.9 % to 73.17% according to ICVM Report.

➢ According to ICAO SOA website EI is 74.56%

Background (Cont.)
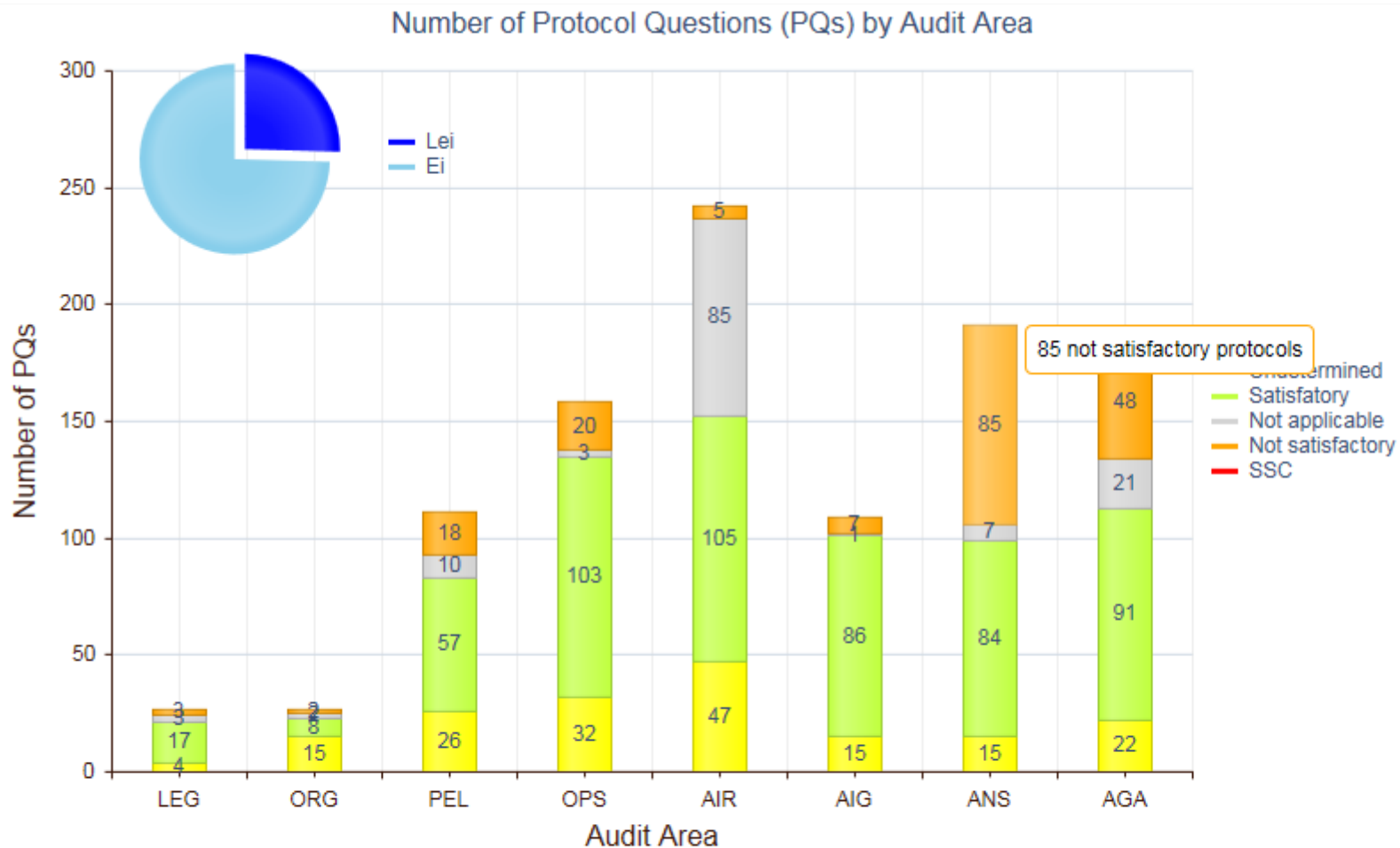
Third USOAP CMA OFF-SITE VALIDATION

➢ Date: 6 to 15 October 2014.

➢ 157 US/PQs in the areas of AIR, ANS and AGA assessed.

➢ 5 PQs changed to satisfactory.

➢ The effective implementation (EI) improved from 73.17 % to 73.81% according to the Report.

➢ According to ICAO SOA website EI now is 74.56%.

Current situation

Number of Protocol Questions (PQs) by Audit Area

Legend:
- Lei
- Ei
- Undetermined
- Satisfatory
- Not applicable
- Not satisfactory
- SSC

85 not satisfactory protocols

⦿ Effective Implementation (EI) ◯ Lack of Effective Implementation (LEI)

Current overall EI 74.56%

Effective Implementation (EI) by Audit Area

Number of Protocol Questions (PQs) by Critical Element

Legend (pie): Lei, Ei

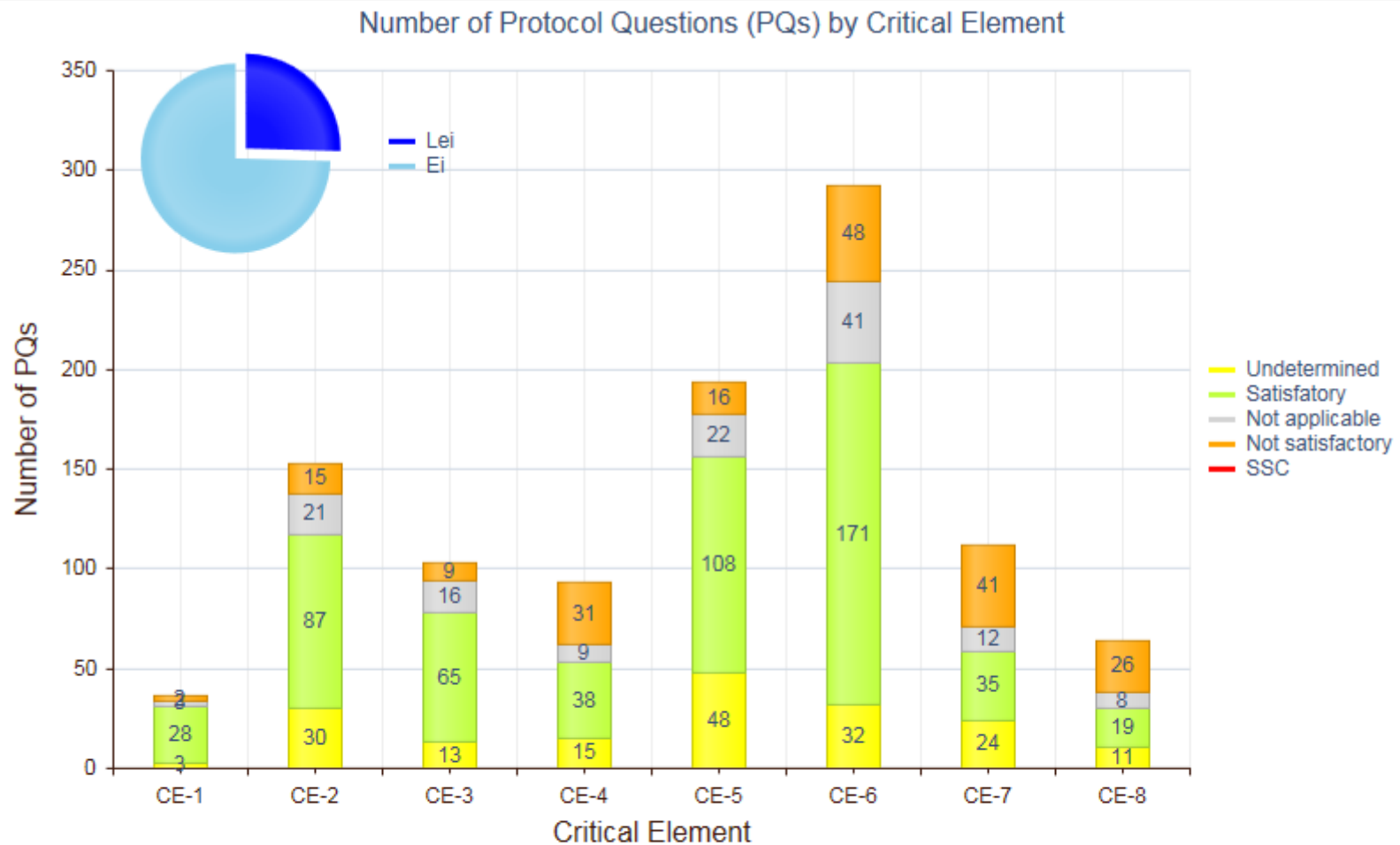Legend (bars): Undetermined, Satisfatory, Not applicable, Not satisfactory, SSC

⦿ Effective Implementation (EI) ◯ Lack of Effective Implementation (LEI)
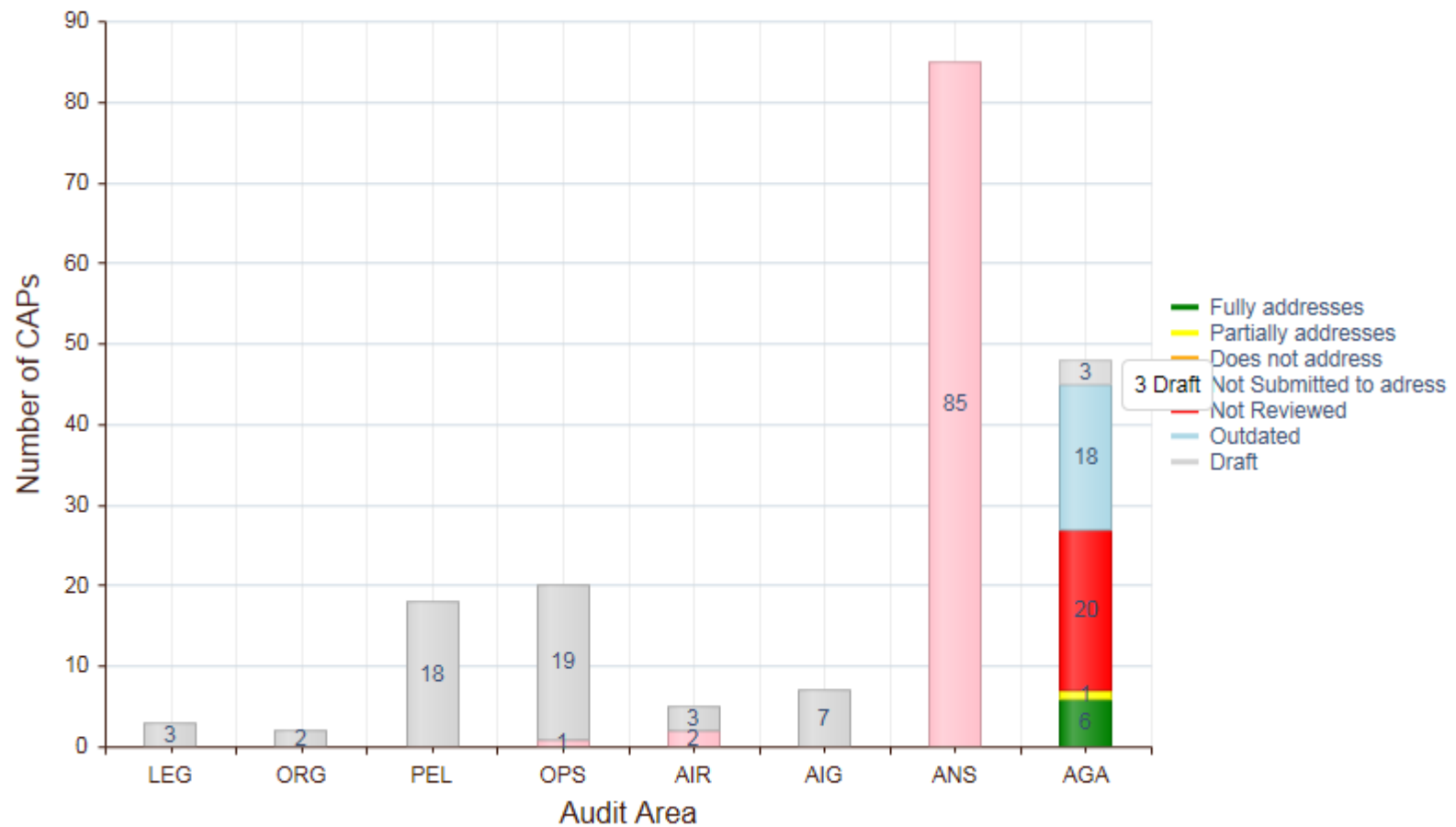
Current overall EI 74.56%

Effective Implementation (EI) by Critical Element
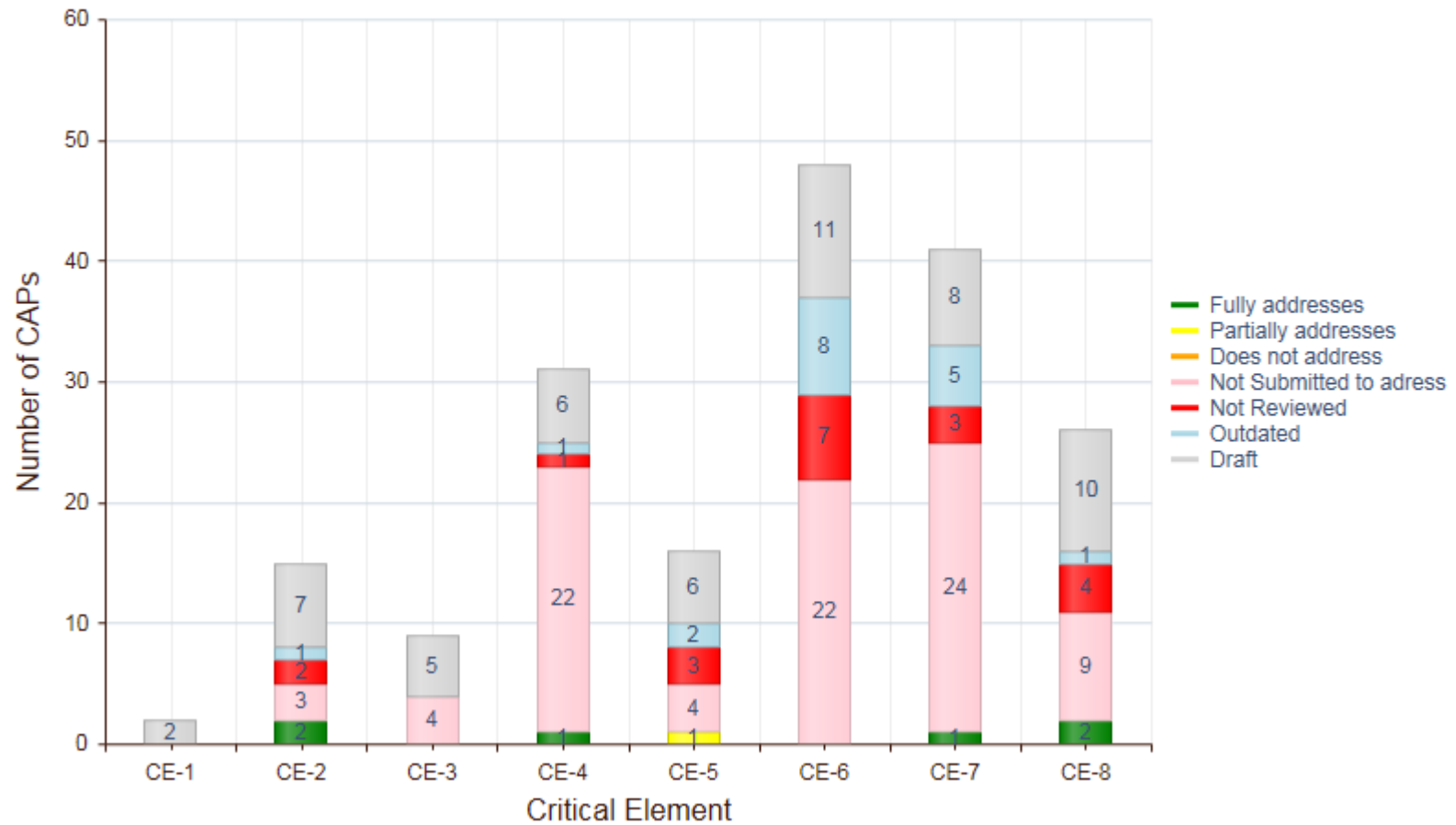
Current overall LEI 25.77%

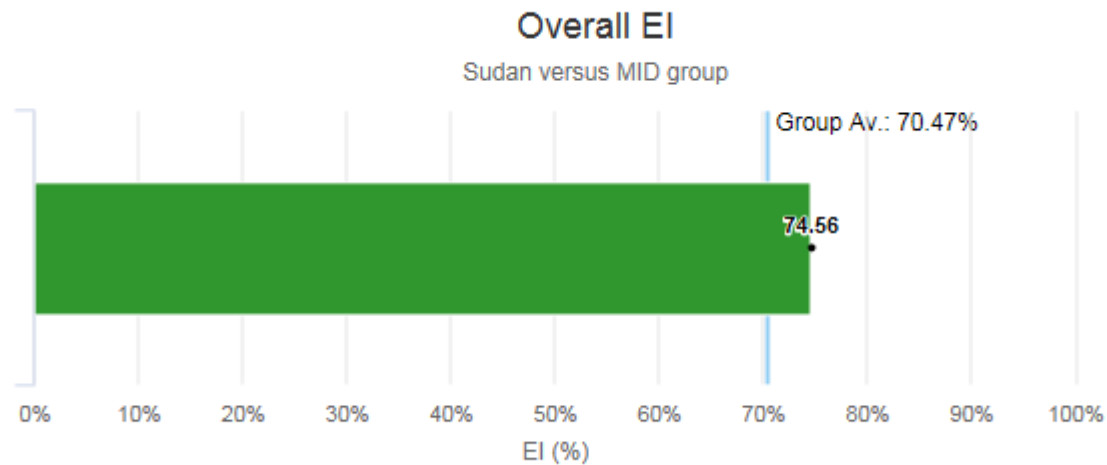## CAPs reviewed by ICAO, Last Updated On 18 Oct 2017

Current overall LEI 25.44%

CAPs reviewed by ICAO, Last Updated On 18 Oct 2017

Current effective implementation (EI): 74.56%

Overall EI
Sudan versus MID group

Group Av.: 70.47%

74.56

EI (%)

PQ status by subgroups: LEG

Number of Protocol Questions (PQs) in LEG by Audit sub-group

Number of PQs

Audit Area		

- Legislation and specific operating regulations - General: 3, 10, 3, 2 — 10 satisfactory protocols
- Legislation and specific operating regulations - Empowerment: 5
- Legislation and specific operating regulations - Enforcement: 1, 2, 1

Legend:
- Undetermined
- Satisfatory
- Not applicable
- Not satisfactory
- SSC

● Effective Implementation (EI) ○ Lack of Effective Implementation (LEI)

Current overall EI 74.56%
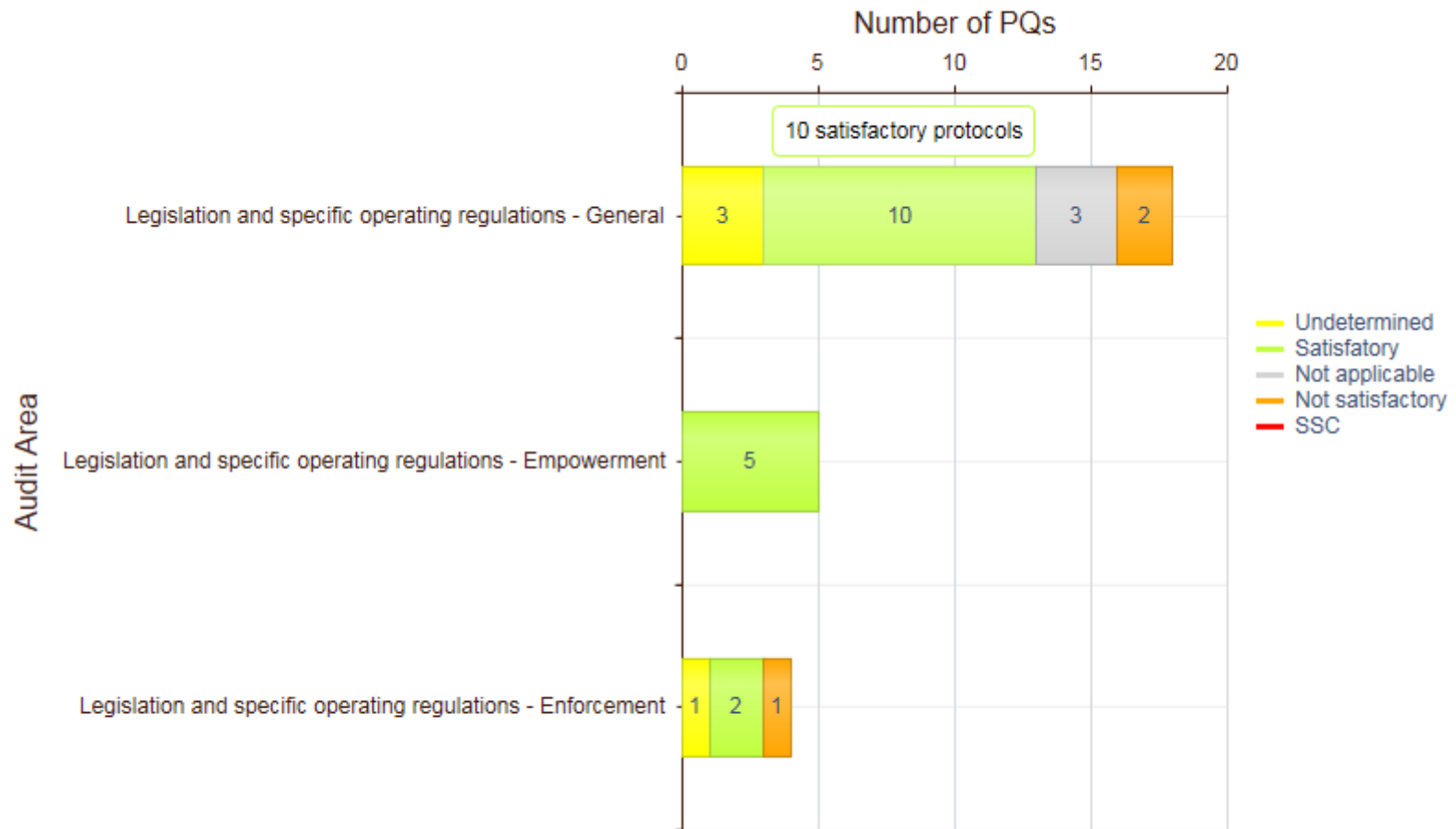
PQ status by subgroups: ORG

Number of Protocol Questions (PQs) in ORG by Audit sub-group
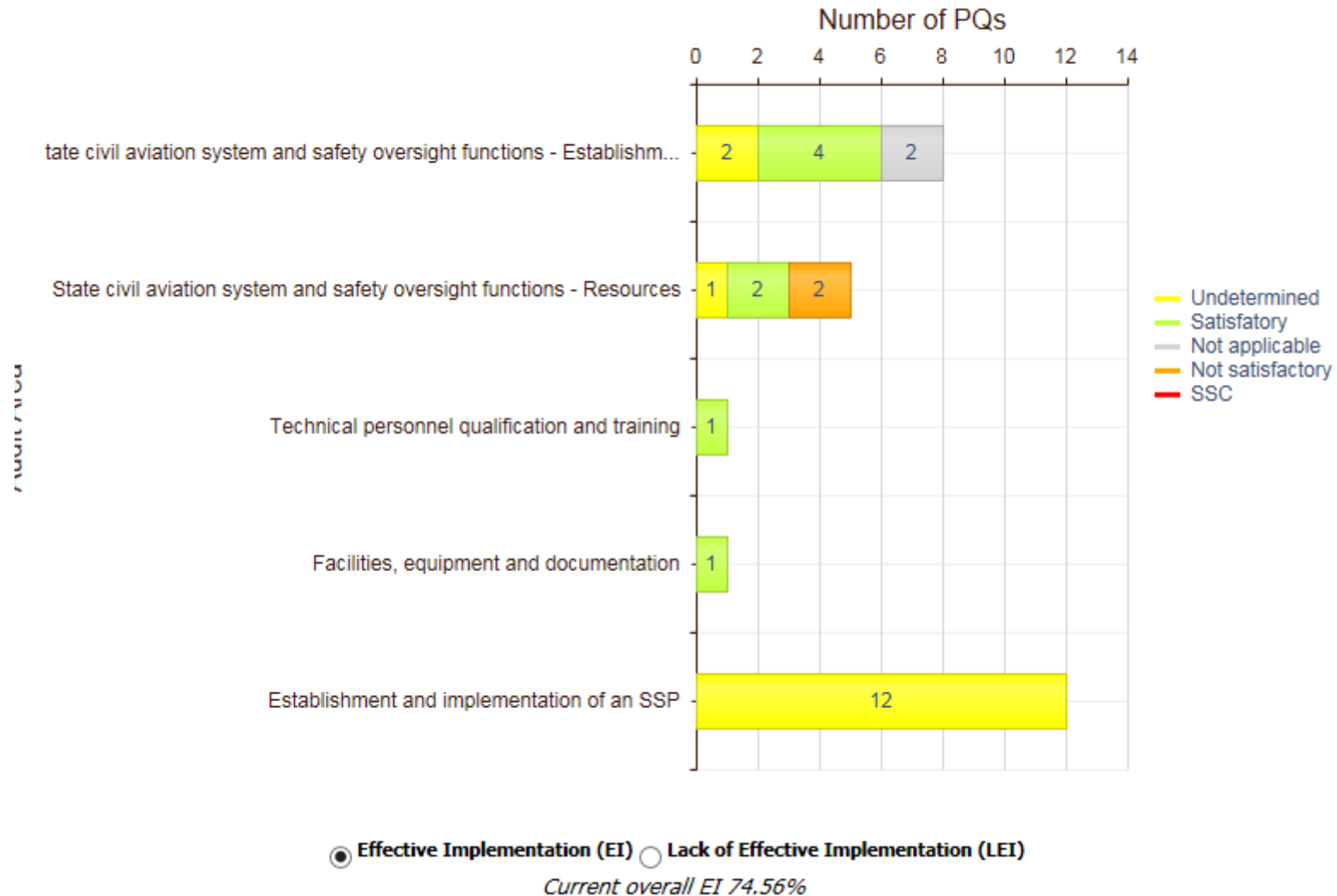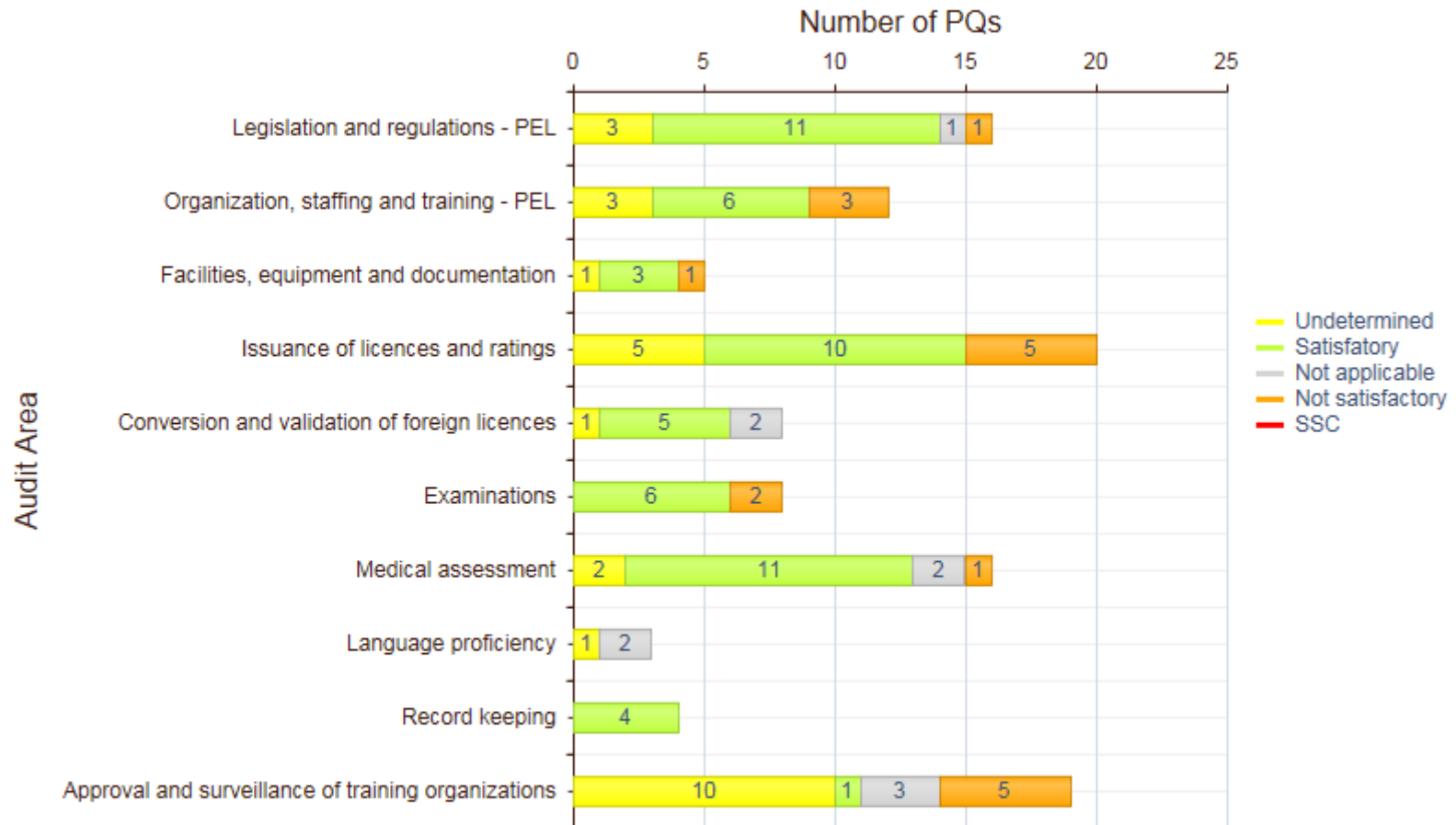

Effective Implementation (EI) ○ Lack of Effective Implementation (LEI)

Current overall EI 74.56%

PQ status by subgroups: PEL

Number of Protocol Questions (PQs) in PEL by Audit sub-group

Number of PQs

Legislation and regulations - PEL: 3 | 11 | 1 | 1
Organization, staffing and training - PEL: 3 | 6 | 3
Facilities, equipment and documentation: 1 | 3 | 1
Issuance of licences and ratings: 5 | 10 | 5
Conversion and validation of foreign licences: 1 | 5 | 2
Examinations: 6 | 2
Medical assessment: 2 | 11 | 2 | 1
Language proficiency: 1 | 2
Record keeping: 4
Approval and surveillance of training organizations: 10 | 1 | 3 | 5

Legend:
- Undetermined
- Satisfatory
- Not applicable
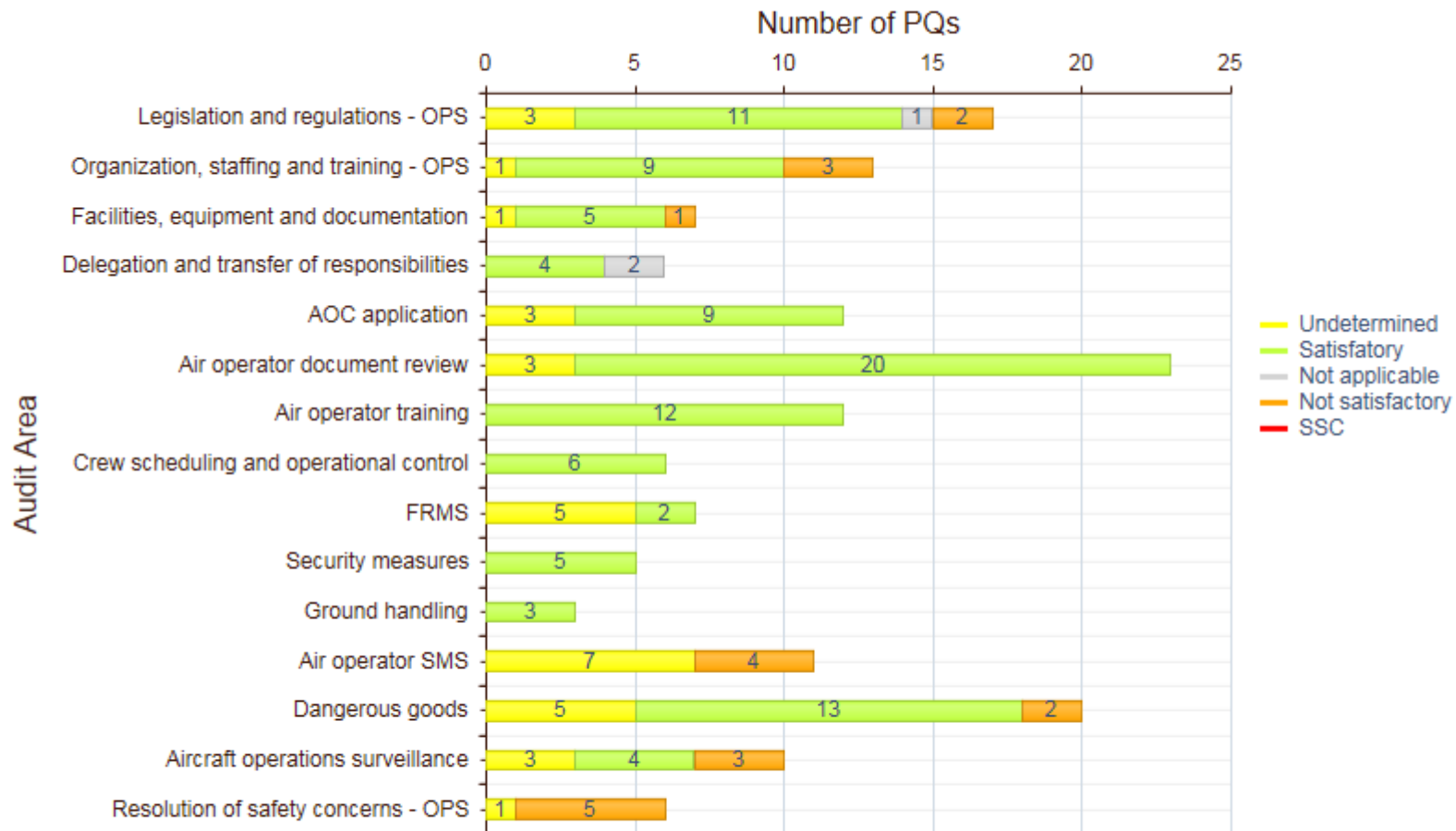- Not satisfactory
- SSC

Audit Area

⦿ **Effective Implementation (EI)** ◯ **Lack of Effective Implementation (LEI)**

Current overall EI 74.56%

PQ status by subgroups: OPS

Number of Protocol Questions (PQs) in OPS by Audit sub-group

PQ status by subgroups: AIR

Number of Protocol Questions (PQs) in AIR by Audit sub-group

Number of PQs

Legislation and regulations - AID — 4 | 33 | 12
rganization, staffing and training of the airworthiness inspection div... — 2 | 13
acilities, equipment and documentation of the airworthiness inspection... — 9
Delegation and transfer of responsibilities (AID) — 4
Aircraft registration — 1 3
Certificate of Airworthiness and other authorizations — 4 | 13 | 2
State of Registry/Operator continuing airworthiness responsibilities — 1 2
Airworthiness certification of air operators — 3 | 14
AMOs — 6 | 11
Airworthiness surveillance (AID) — 3 5 1 2
Resolution of safety concerns - AIR (AID) — 2 1 1
Legislation and regulations - AED — 4 | 13
rganization, staffing and training of the airworthiness engineering di... — 2 | 11
acilities and equipment of the airworthiness engineering division (AED... — 7
Type certification — 12
Additional State of Design continuing airworthiness responsibilities — 6
Design organizations — 8 | 4
Production activities — 9 | 19
Delegation and transfer of responsibilities (AED) — 2
Airworthiness surveillance (AED) — 1
Resolution of safety concerns – AIR (AED) — 1

Audit Area

Legend:
— Undetermined
— Satisfatory
— Not applicable
— Not satisfactor
— SSC

◉ **Effective Implementation (EI)** ◯ **Lack of Effective Implementation (LEI)**

Current overall EI 74.56%

PQ status by subgroups: AIG

Sudan (the)
ICAO Coordinated Validation Mission from 25 May 2014 to 26 May 2014

Number of Protocol Questions (PQs) in AIG by Audit sub-group

Effective Implementation (EI) ○ Lack of Effective Implementation (LEI)
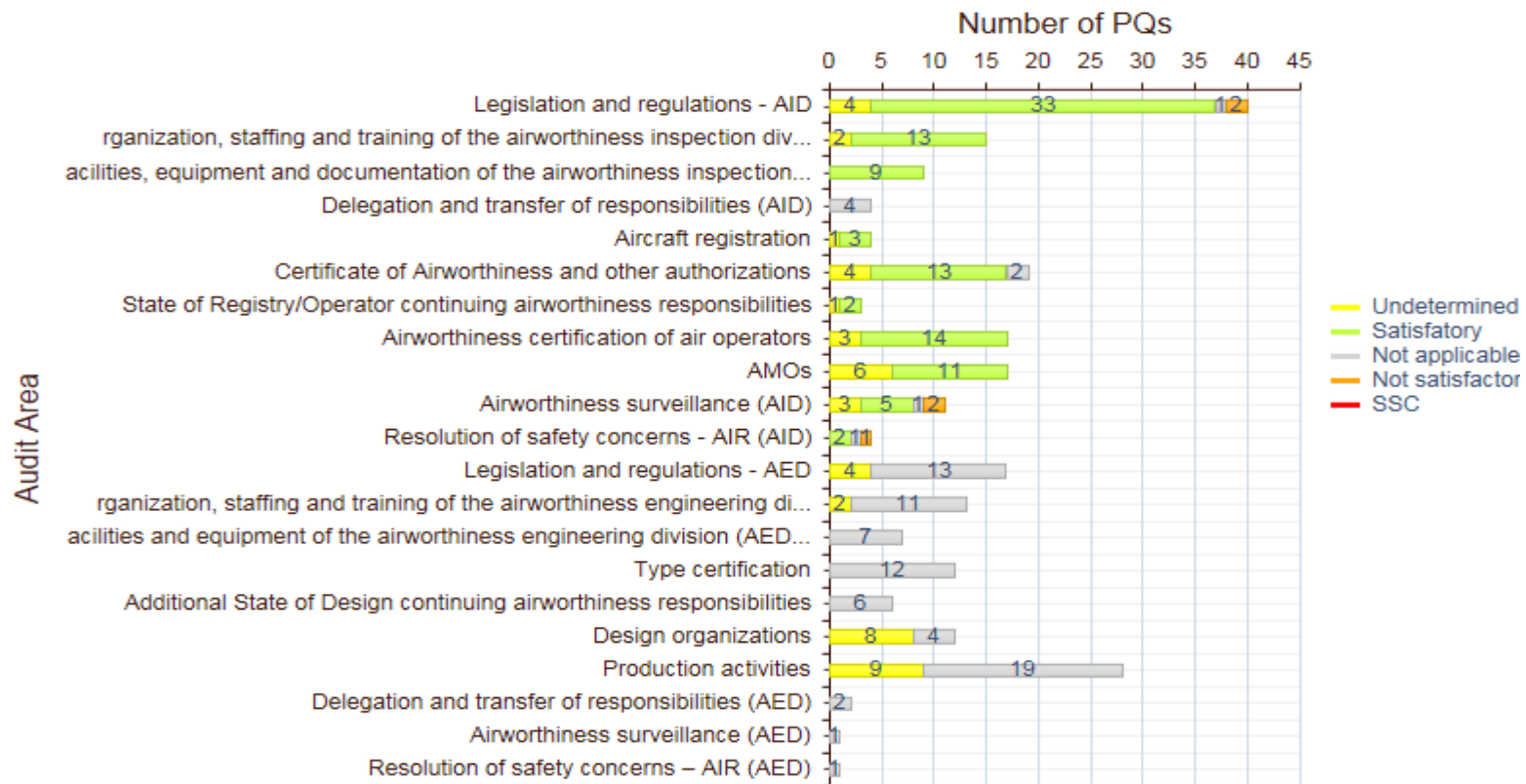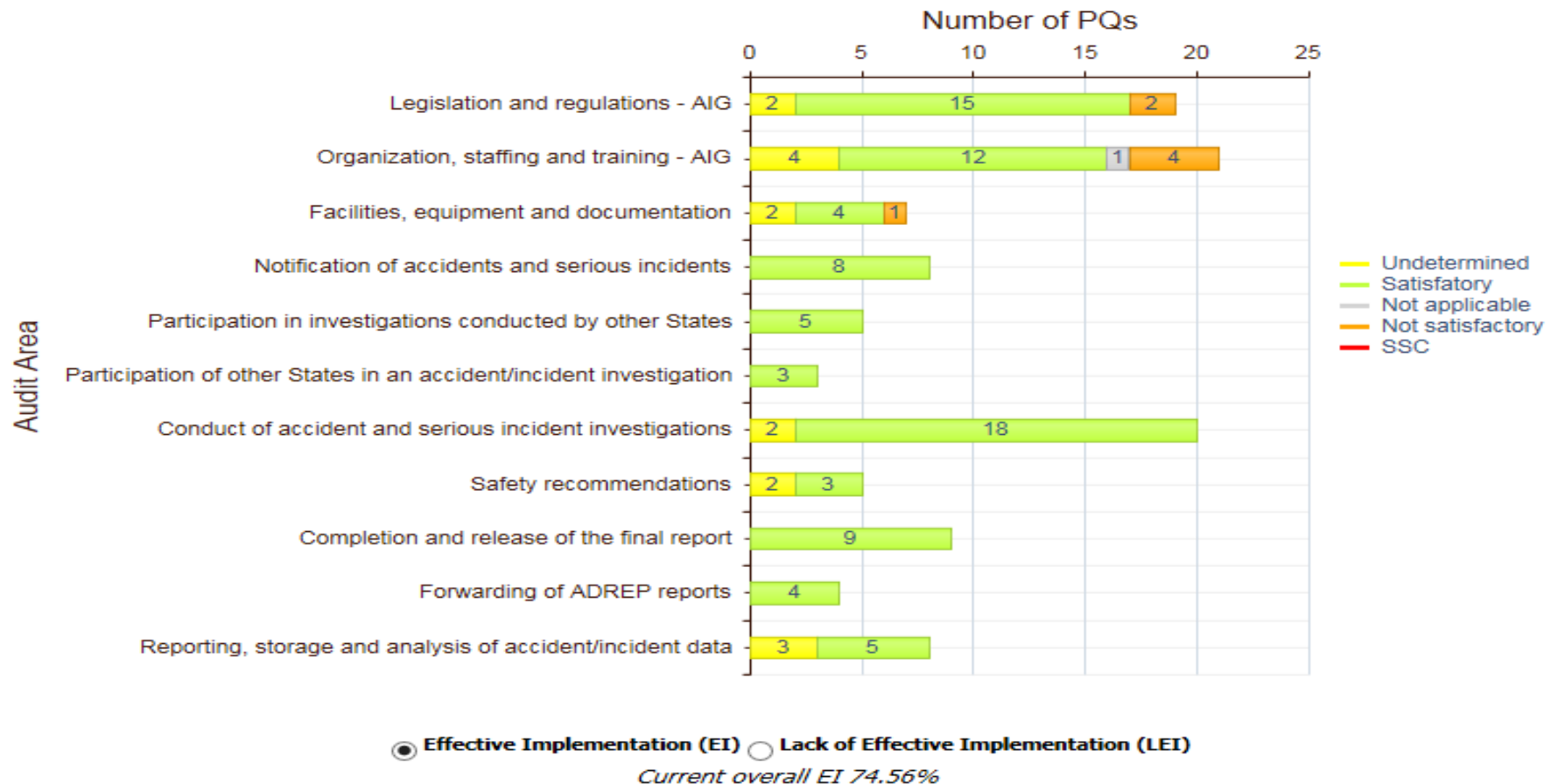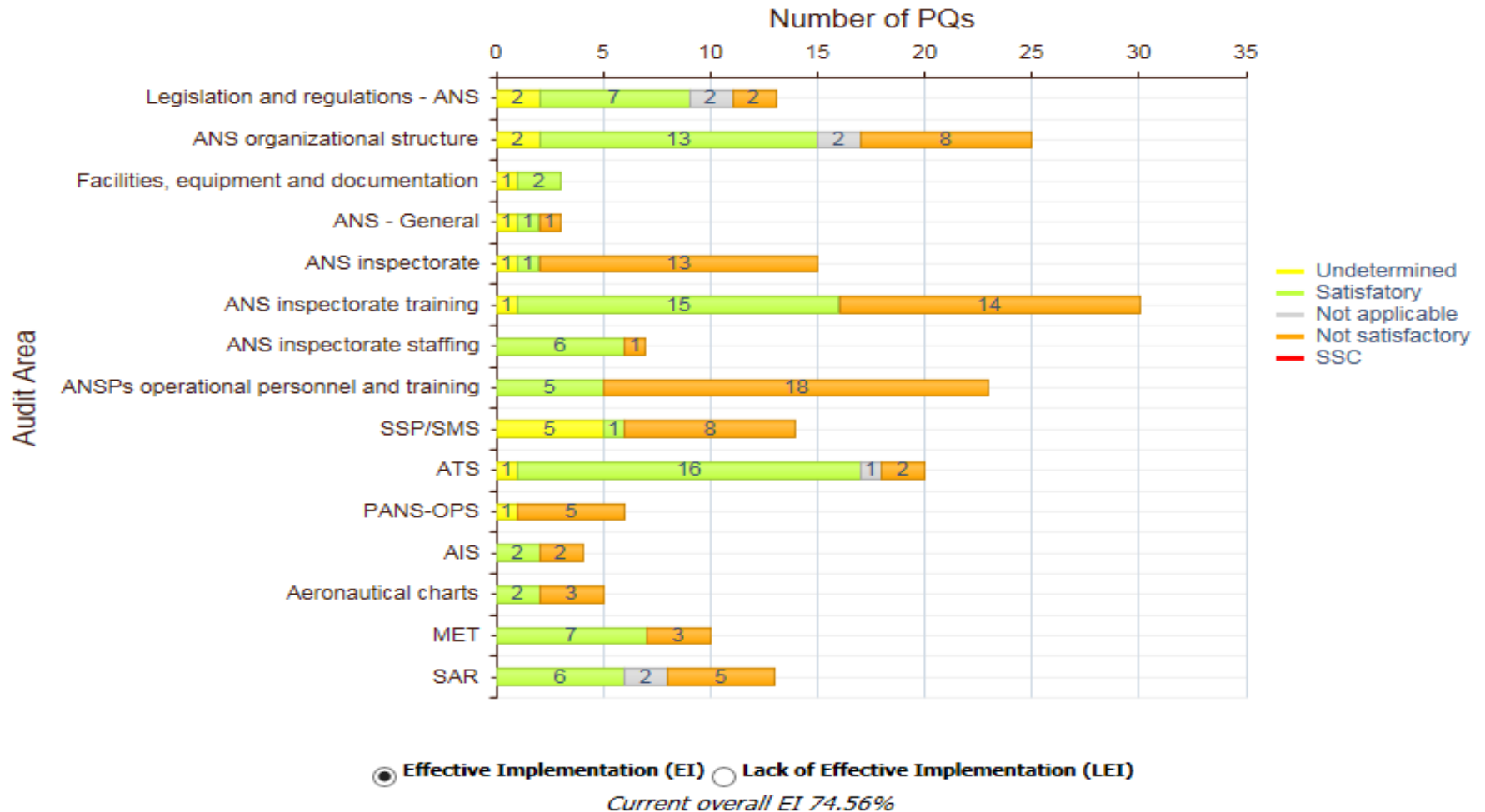*Current overall EI 74.56%*

PQ status by subgroups: ANS

Number of Protocol Questions (PQs) in ANS by Audit sub-group

PQ status by subgroups: AGA

Number of Protocol Questions (PQs) in AGA by Audit sub-group

Legend:
- Undetermined
- Satisfatory
- Not applicable
- Not satisfactory
- SSC

◉ Effective Implementation (EI) ○ Lack of Effective Implementation (LEI)

Current overall EI 74.56%

Main obstacles

➢ Lack of Human Resources

➢ Not enough time is allocated for USOAP CMA activities

➢ Findings relate to other Government entities i.e. AIG, ANS (highest scores in unsatisfactory PQ's: ANS 122 & AIG 81)

➢ Amendment of the Law takes time (in the case of AIG)

➢ Due to relatively small scale of aviation activities, presenting evidence of effective implementation is sometimes difficult

Work Strategy

Important considerations:

- ➢ 187 PQ's remain unsatisfactory (not including the "new" PQ's)

- ➢ The work programs to complete the CAP and PQ's are integrated rather than separated

- ➢ With the exception of one, all implementation dates are overdue.

Work programme to complete CAP and PQ's

➢ The plan is to have the CAP and PQ's fully implemented and addressed BY THE END OF 2018.

➢ Each Corrective Action will be linked to the applicable PQ and addressed at the same time.

Work programme to complete CAP and PQ's

AUDIT AREA	COMPLETION DATE
LEG	JUNE 2018
ORG	JUNE 2018
PEL	DEC 2018
OPS	DEC 2018
AIR	DEC 2018
AGA	DEC 2018

Work programme to complete CAP and PQ's

AUDIT AREA	COMPLETION DATE
ANS	DEC 2018
AIG	DEC 2018

Technical assisstance received

- SCAA had received partially Technical assistance from ICAO-MID Office in 2014 for the areas of ANS and ANRD.

- Since that time no Technical Assistance received.

¿Questions?