State Implementation & Capacity Building

(Awareness - UN SDGs, IWAF, Council President Certs.)

ICAO Implementation Support Programmes

- Training & HR Development (GAT)
- Technical Cooperation (TCB)
- Technical Assistance (TCB & ROs)
- Planning, Coordination & Support (ANB)

Partnerships & Resources (ASIAP, RASGs, SAFE Fund, IPAV, NGAP)
Global Implementation Support Programmes
(All Strategic Objectives, **Safety & AN**)

<table>
<thead>
<tr>
<th>Technical Assistance &amp; Cooperation</th>
<th>iMPLEMENT</th>
<th>Training Programmes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Runway Safety</td>
<td>Safety Management</td>
<td>LOC-I/UPRT</td>
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<tr>
<td>PBN</td>
<td>CAPSCA</td>
<td>NGAP</td>
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</tbody>
</table>
## Regional Implementation Support Programmes (Safety & AN)

In addition to PIRGs and RASGs, other regional implementation groups, and regional NCLB implementation strategies and plans

<table>
<thead>
<tr>
<th>NACC</th>
<th>SAM</th>
<th>WACAF</th>
<th>ESAF</th>
<th>MID</th>
<th>EUR/NAT</th>
<th>APAC</th>
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<tbody>
<tr>
<td>• ICAO PBN Go-Team</td>
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<td>• Regional ANS Project</td>
<td>• SRVSOP</td>
<td>• Regional ATM/CNS Project</td>
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</tr>
</tbody>
</table>

- PIRGs: Programmes of Implementation and Reference Group
- RASGs: Regional Advisory and Support Groups
- NCLB: Next Generation Low-Level Navigation

Regional Implementation Support Programmes:

- NACC:
  - ICAO PBN Go-Team
  - ICAO RS Go-Team
  - CAPSCA
  - Regional ANS Project
  - MEVA

- SAM:
  - ICAO PBN Go-Team
  - ICAO RS Go-Team
  - CAPSCA
  - SRVSOP
  - Regional ATM/CNS Project
  - ARCM
  - REDDIG

- WACAF:
  - ICAO PBN Go-Team
  - ICAO RS Go-Team
  - CAPSCA
  - AFI-CIS
  - Africa FPP
  - AFI Plan
  - COSCAP-UEMOA
  - ASQA

- ESAF:
  - ICAO PBN Go-Team
  - ICAO RS Go-Team
  - CAPSCA
  - AFI-CIS
  - COSCAP-SADC
  - MID FPP (2017)
  - ASQA

- MID:
  - ICAO PBN Go-Team
  - ICAO RS Go-Team
  - CAPSCA
  - COSCAP-GS
  - CIS Project
  - MID FPP (2017)

- EUR/NAT:
  - ICAO PBN Go-Team
  - ICAO RS Go-Team
  - CAPSCA
  - CIS Project
  - PANSOPS
  - RWY Safety

- APAC:
  - ICAO PBN Go-Team
  - ICAO RS Go-Team
  - CAPSCA
  - COSCAP-SA
  - COSCAP-SEA
  - COSCAP-NA
  - APAC FPP
  - RSO ATM Programme
  - APAC CAT
Regional Cooperation (Safety)
IMP-SAF Responsibilities

- ASIAP
- TA
- SAFE Fund
- MARB
- RASGs
- COSCAPs & RSOOs
- RSP
- NGAP
Aviation Safety Implementation Assistance Partnership (ASIAP) Member States

State
Canada
China
France
United Kingdom of Great Britain and Northern Ireland
Japan
Republic of Korea
Malaysia
Singapore
United States of America

Organizations
EASA
ACI
CANSO
IATA
Airbus
Boeing
World Bank
ASIAP Priority States for Technical Assistance
Safety Fund (SAFE) Donors

Organizations
Boeing
UNDP
Safety Fund (SAFE) Projects

Regional Projects
AFCAC AFI-CIS
Africa FPP
CASSOA
CASSOS RAIO
Ebola Action Plan
MENA RSOO
DGCA Training
### USOAP EI Improvements for States supported by SAFE Funded Technical Assistance Projects (1)

<table>
<thead>
<tr>
<th>State</th>
<th>USOAP CMA Activities (EI &amp; Date of Previous Activity)</th>
<th>SAFE Project (Start Date)</th>
<th>SAFE Project (End Date)</th>
<th>USOAP CMA Activities (EI &amp; Date of Latest Activity)</th>
<th>EI improvement</th>
<th>SAFE and/or TCB TC Project Target Areas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zambia</td>
<td>December 2012 (ICVM in LEG, ORG, PEL, OPS and AIR) EI 46.93</td>
<td>August 2014</td>
<td>November 2014</td>
<td>December 2014 (Off-site SSC PQ Management) EI 46.93</td>
<td>Overall EI 46.93 -&gt; 62.06 (+15.13)</td>
<td>AOC Inspector OJT (OPS/AIR)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>March 2016 (ICVM in all areas (except AIG)) EI 62.06</td>
<td>- OPS: 52.46 -&gt; 68.85 (+16.39)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- AIR: 86.11-&gt;87.96 (+1.85)</td>
<td></td>
</tr>
<tr>
<td>Madagascar</td>
<td>May 2014 (Off-site Validation) EI 59.06</td>
<td>February 2015</td>
<td>On-going</td>
<td>December 2015 (Off-site Validation) EI 62.66</td>
<td>Overall EI 59.06 -&gt; 62.66 (+3.6)</td>
<td>All areas</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>All areas</td>
</tr>
<tr>
<td>Uruguay</td>
<td>September 2014 (Off-site SSC PQ Management) EI 57.88 &amp; 2 SSCs</td>
<td>July 2015</td>
<td>On-going</td>
<td>March 2016 (ICVM in all areas) EI 71.45 &amp; 2 SSCs resolved</td>
<td>Overall EI 57.88 -&gt; 71.45 (+13.57)</td>
<td>All areas</td>
</tr>
</tbody>
</table>
# USOAP EI Improvements for States supported by SAFE Funded Technical Assistance Projects (2)

<table>
<thead>
<tr>
<th>State</th>
<th>USOAP CMA Activities (EI &amp; Date of Previous Activity)</th>
<th>SAFE Project (Start Date)</th>
<th>SAFE Project (End Date)</th>
<th>USOAP CMA Activities (EI &amp; Date of Latest Activity)</th>
<th>EI improvement</th>
<th>SAFE and/or TCB TC Project Target Areas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kazakhstan</td>
<td>December 2014 (Off-site SSC PQ Management) EI 64.35 &amp; SSC</td>
<td>July 2015</td>
<td>October 2015</td>
<td>April 2016 (ICVM in PEL, OPS, AIR and ANS) EI 74.13 &amp; SSC resolved</td>
<td>Overall EI 64.35 -&gt; 74.13 (+9.78) - OPS:70.97 -&gt; 87.1 (+16.13) - AIR:65.45-&gt;89.09 (+23.64)</td>
<td>AOC Inspector OJT (OPS/AIR) Also Technical Cooperation projects (Phase 1: Sep 2012 – Apr 2014; Phase 2: May 2014 – June 2016) in all areas except for AIG</td>
</tr>
<tr>
<td>Nepal</td>
<td>July 2013 (ICVM in all areas except for AIG) EI 54.91</td>
<td>February 2016</td>
<td>On-going</td>
<td>March 2016 (Off-site Validation in all areas except for AIG) EI 58.4</td>
<td>Overall EI 54.91 -&gt; 58.4 (+3.49) - PEL: 69.05 (zero) - OPS: 51.28-&gt;54.7 (+3.42) - AIR: 74.55-&gt;77.27 (+2.72)</td>
<td>PEL/AIR started in Feb 2016 and completed in July 2016; OPS started in July 2016</td>
</tr>
<tr>
<td>Paraguay</td>
<td>May 2016 (Off-site Validation) EI 53.63</td>
<td>June 2016</td>
<td>On-going</td>
<td>June 2016 (ICVM in all areas) EI 72.43</td>
<td>Overall EI 53.63-&gt; 72.21 (+18.58) - OPS: 33.9-&gt;49.15 (+15.25) - AIR: 57.8-&gt;88.07 (+30.27)</td>
<td>ORG, OPS and AIR</td>
</tr>
</tbody>
</table>
Regional Aviation Safety Groups (RASG)s

- RASG-PA
  - Nov 2008

- RASG-APAC
  - Sep 2011

- RASG-MID
  - Sep 2011

- RASG-AFI
  - Mar 2012

- RASG-EUR
  - Jan 2012

C-DEC 190/4
- May 2010
Cooperative Development of Operational Safety and Continuing Airworthiness Programmes (COSCAPs)
Regional Accident and Incident Investigation Organizations (RAIOs)
RASGs/COSCAPs/RSOOs/RAIOs
Work Plan 2016 and beyond

• Regional ICAO safety groups, programmes and projects are aligned and coordinated by ICAO Regional Offices with guidance and technical support from ANB, in cooperation with regional safety organizations
• Regional mechanism objectives to support regional implementation of GASP and State implementation of regional safety targets, in collaboration and without duplication
• RASGs focused on regional safety high risk priorities and States with SSCs and low EIs
• COSCAPs and RSOOIs focused on State implementation of safety oversight systems (RAIOs for AIG)
• RASG outputs – regional annual safety reports, safety advisories, safety enhancement initiatives, detailed implementation plans, projects and workshops
RASGs/COSCAPs/RSOOs/RAIOs

Work Plan 2016 and beyond

- COSCAPs – sub-regional training, assistance missions to States, and contribution to RASGs
- All regional mechanisms to support State implementation of new safety management provisions
- RASGs future - update ToRs, develop the regional safety performance indicators, safety information and best practices sharing, provide input to the development of 2020 – 2022 edition of the GASP
- Global RSOO Conference in Africa – March 2017
- New SASO, MENA RSOO, CASSOS RAIO, and other regional initiatives
- Planned global RASGs meeting during 13th Air Navigation Conference – 3rd quarter 2018
RSP Activities/Plans - 2016 and beyond

- Maintain Runway Safety web site (I-Kit) & Runway Safety Team Handbook
- Runway safety team survey – 128 RSTs have registered
- Runway Safety Go-Team missions
- Global Symposium/Conference – 4th Quarter 2017
- PANS-Aerodromes 2nd edition (Chapter 5) – 2018
- Annex 14 Vol. I Amendment – Nov 2018
- New USOAP audit protocol questions on runway safety provisions - 2018
Organizations which support the Next Generation of Aviation Professionals (NGAP) Programme

- Annual meeting with NGAP community and telecoms with WG Chairs & partner Int’l Orgs.
- Implementation Workshops for ATCO and ATSEP CBT provisions – 2016/2017
- 3rd NGAP Global Symposium – 2nd Quarter 2017
- Outreach communication media/products including the NGAP web site; NGAP Newsletter; NGAP articles in ICAO publications; Dreams Soar for STEM, Student Education and Careers in Aviation (SECA) activities at regional aviation training events; sharing of NGAP best practices; raising awareness at events - continuous
- Planned update of ICAO Doc. 9956 once traffic forecasts have been completed - 2017
- Planned development of Index by ICAO for forecasting national HR needs – 2017
THANK YOU!