



Status of Aviation Safety in Asia and the Pacific

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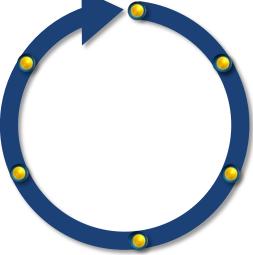
51st DGCA Asia and the Pacific, Hong Kong, China 24-27 November 2014



















ICAO as your Regional 'Mirror'

CLARITY

Information Sharing

Regulatory Authorities

Airlines

Airport Operators

ANSPs



IMPROVEMENT

Safety Priorities

Oversight Capabilities

Operational Issues

5 December 2014

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State of Global
AVIATION
SAFETY







2014 - 2016 Global Aviation Safety Plan (GASP)

Objectives and Priorities

Near-term

2017

- All States establish effective safety oversight systems
- States with effective safety oversight (over 60% EI) fully implement SSP
- States / Stakeholders support RASGs with the sharing of safety information

Mid-term

2022

- All Member States fully implement the ICAO SSP Framework
- RASGs incorporate regional monitoring and safety management programmes

Long-term

2027

 Member States implement safety capabilities as necessary to support future Air Navigation Systems

PRIORITIES

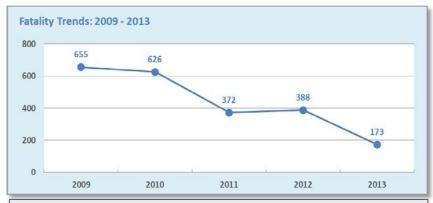
RUNWAY SAFETY

CONTROLLED FLIGHT INTO TERRAIN (CFIT)

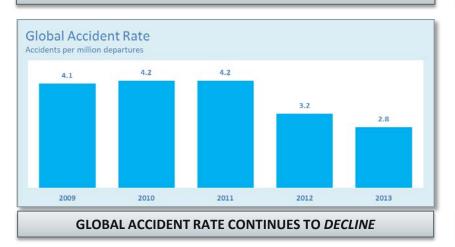
LOSS OF CONTROL IN-FLIGHT (LOC-I)



State of Global Aviation SAFETY (Q1)

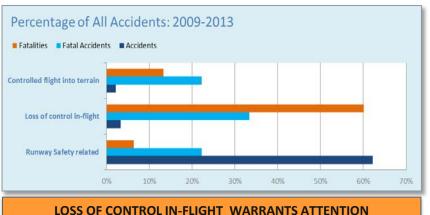


NUMBER OF FATALITIES ARE DECREASING



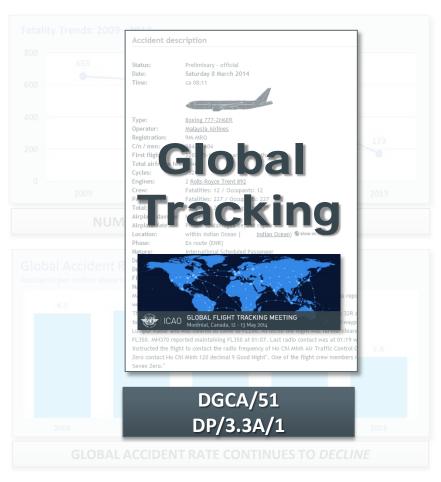


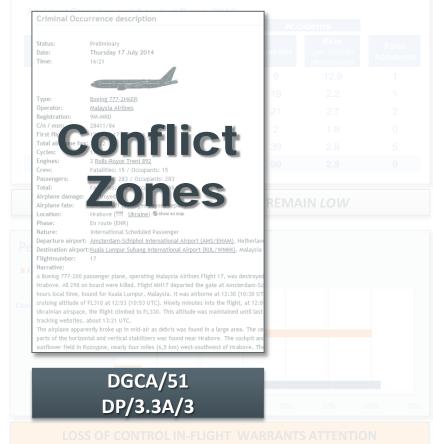
REGIONAL ACCIDENT RATES REMAIN LOW



Source: Safety Report (http://www.icao.int/safety/Pages/Safety-Report.aspx)

State of Global Aviation SAFETY (Q1)



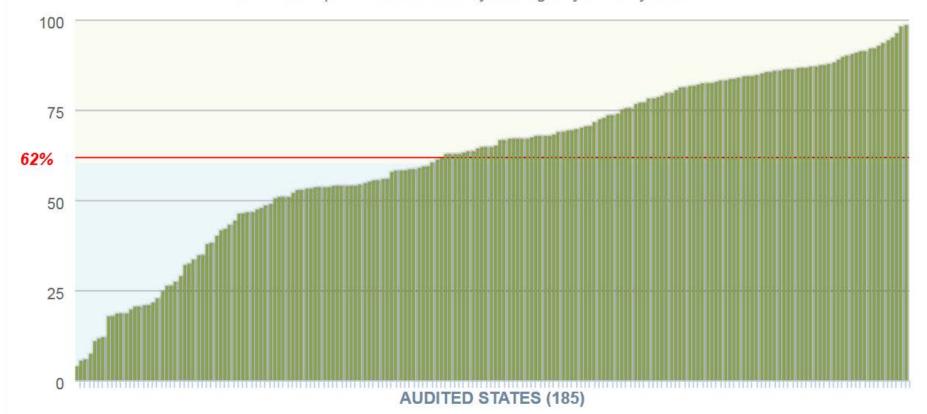




Current GLOBAL Implementation

ICAO Safety Audit Results for World-ICAO Member States

Effective Implementation of safety oversight systems by State



Source: Regional Dashboards (www.icao.int/safety/pages/regional-targets.aspx)







State of Regional Aviation Safety in the

ASIA AND THE PACIFIC

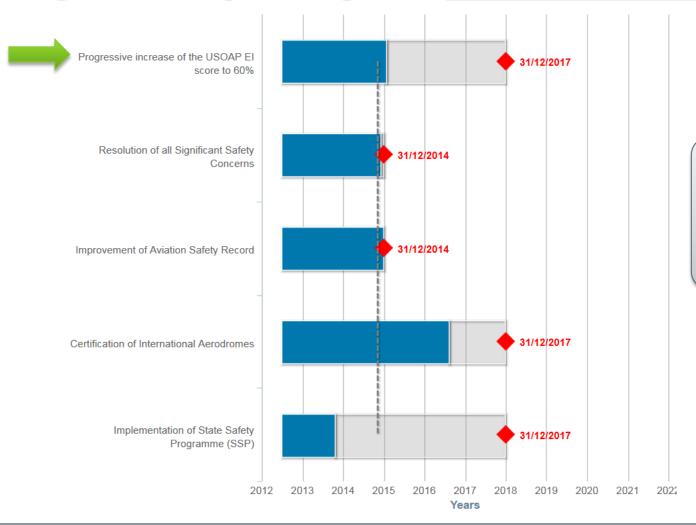


Setting Regional Targets Based on the GASP/GANP

AIR NAV. REGION	REGIONAL OFFICE	SAFETY	AIR NAVIGATION
AFI	ESAF	ADOPTED (Abuja Ministerial – July 2012)	ADOPTED (APIRG/19 – October 2013)
	WACAF		
MID	MID	ADOPTED (DGCA-MID/2 May 2013) (Review – 27-29 April 2014)	MSG Meeting (November 2014)
ASIA/PAC	APAC	RASG-APAC/4 (November 2014)	ADOPTED (APANPIRG/25 - September 2014)
NAM	NACC	US CAST/Canada	ADOPTED (NACC/DCA/5 – April 2014)
CAR		ADOPTED (NACC/DCA/5 – April 2014)	
SAM	SAM	ADOPTED (RAAC/13 - December 2013)	ADOPTED (RAAC/13 - December 2013)
EUR	EUR/NAT	ADOPTED (RASG-EUR/03 - February 2014)	ADOPTED (EANPG/55 - November 2013)
NAT		ADOPTED (NAT SPG/49-June 2013)	ТВА



Regional Progress Against Global Indicators & Targets



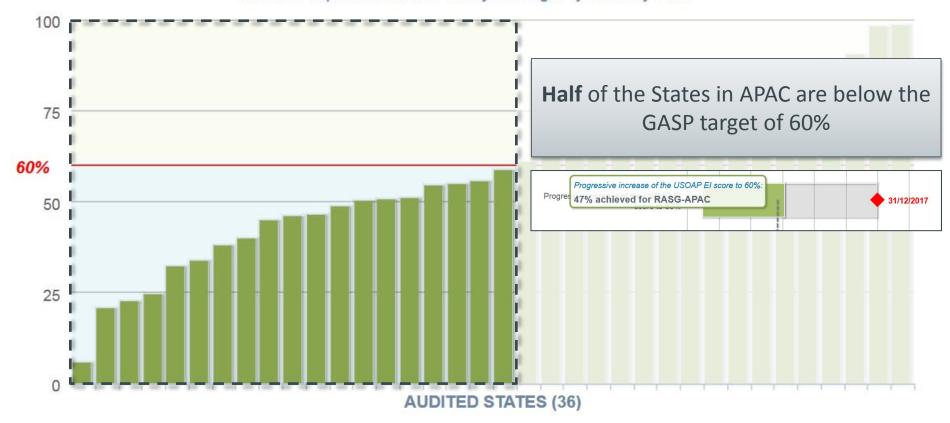
Progressive increase of the USOAP EI score to 60%



Current REGIONAL Implementation

ICAO Safety Audit Results for RASG-APAC

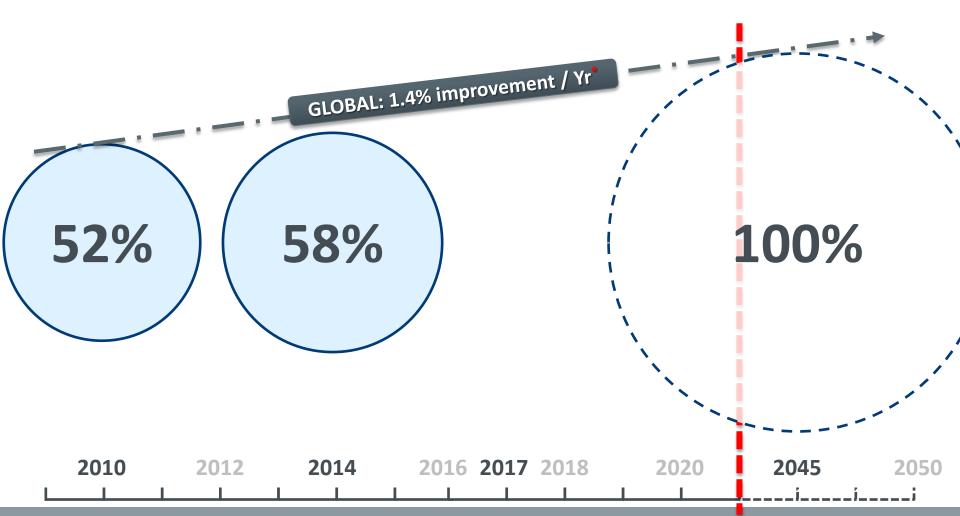
Effective Implementation of safety oversight systems by State



Source: Regional Dashboards (www.icao.int/safety/pages/regional-targets.aspx)

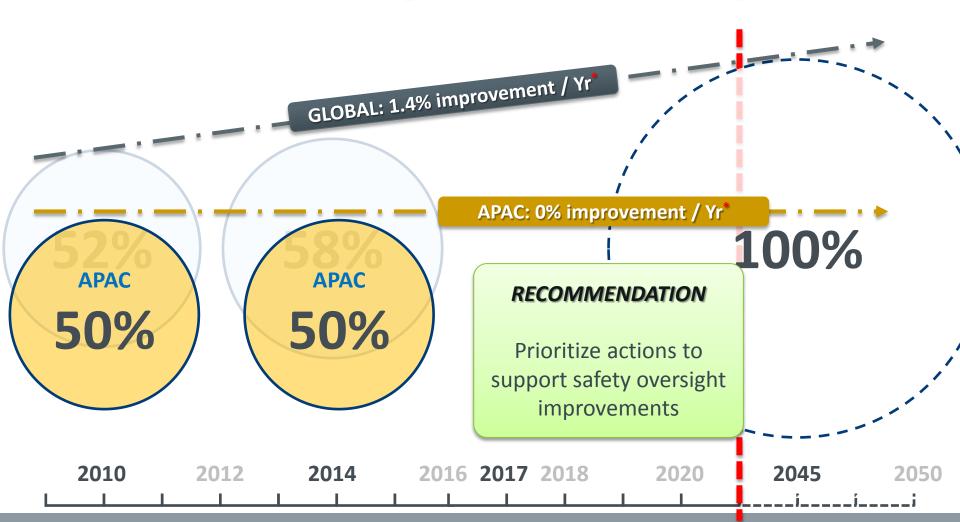


Preview of Progress Achieved by States





Preview of Progress Achieved by States



Recommendation: Regional Alignment

Alignment of implementation work plans

- GASP Priorities and Targets + any specific to your Region
- COSCAPS should be prioritizing activities on States below 60% EI and assisting States and Regional Office in the development of overall State Action Plans as needed
- USOAP CMA workshop is available if needed

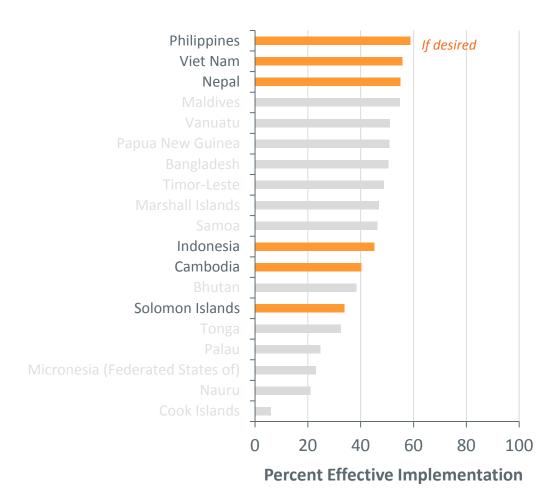
Plan well ahead

- Focus Meetings with specific outcomes
- Joint assistance missions to States
- Share reports
- Prioritize hands on workshops





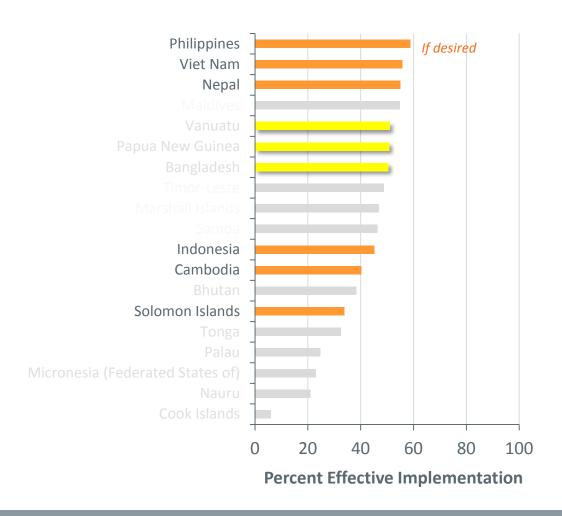
Recommendation: Priority for Action Plans



- State Plans of Action should be created based on a combination of risk factors:
 - States that have an EI below 60%
 - High traffic volume with respect to overall EI
- ICAO <u>CAN</u> assist in the development of these plans, and samples from other States are available
- Once Plans of Action are in place, political assistance can also be provided



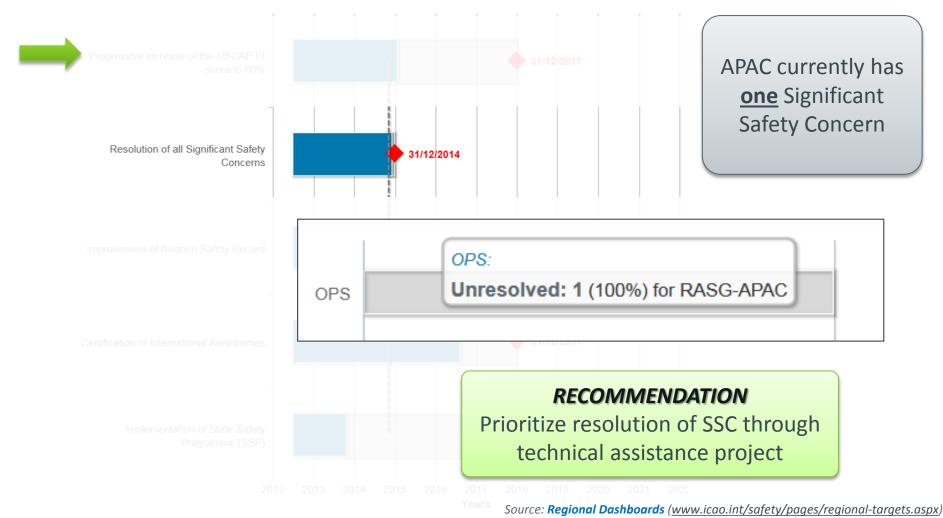
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- State Plans of Action should be created based on a <u>combination</u> of risk factors:
 - States that have an EI below 60%
 - High traffic volume with respect to overall EI
- ICAO <u>CAN</u> assist in the development of these plans, and samples from other States are available
- Once Plans of Action are in place, political assistance can also be provided
- Some States are just below the risk threshold

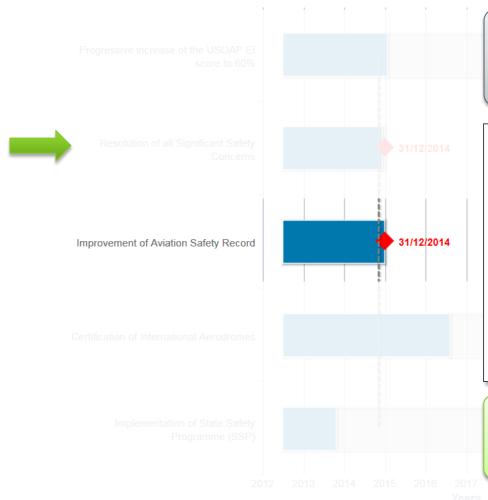


Regional Progress Against Global Indicators & Targets

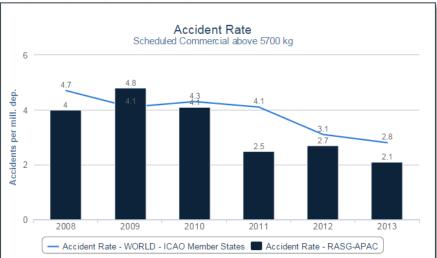




Regional Progress Against Global Indicators & Targets



APAC accident rate is **better**than the world average –
However, 2014 may change this



RECOMMENDATION:

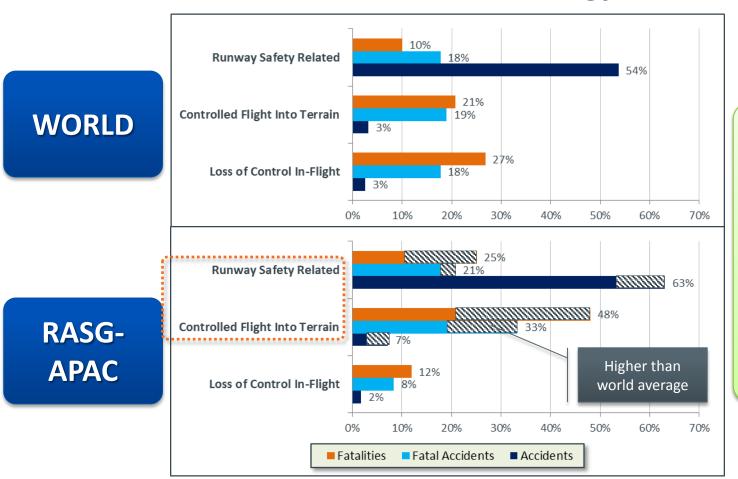
Keep vigilant and continue the good work

Source: SPACE (iSTARS v2) (https://portal.icao.int/space)



Risk Distribution for the Top 3 Safety Priorities

Scheduled commercial above 5 700kg for 2009 - 2013



RECOMMENDATION

More focus is needed particularly in Runway Safety and CFIT for APAC

Source: SPACE (iSTARS v2) (https://portal.icao.int/space)



Recommendations

Runway Safety

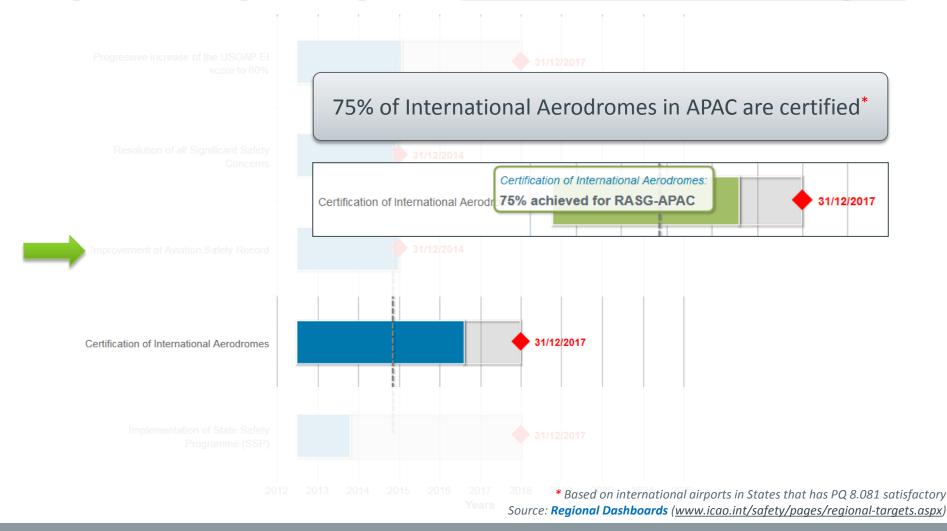
- RASG-APAC to analyze regional runway safety data and develop related
 Safety Enhancement Initiative & Detailed Implementation Plan
- Airports to implement Runway Safety Teams (RST) and SMS
- Airports make use of the ICAO Runway Safety iKit and RST Handbook
- Airports to request ICAO Runway Safety Go-Team visits and/or ACI APEX
 Airport Safety Review

Controlled Flight Into Terrain

- RASG-APAC to analyze regional CFIT events and develop related
 Safety Enhancement Initiative & Detailed Implementation Plan
- Information-sharing and analysis on regional Terrain Avoidance and Warning System alerts might be beneficial for safety management

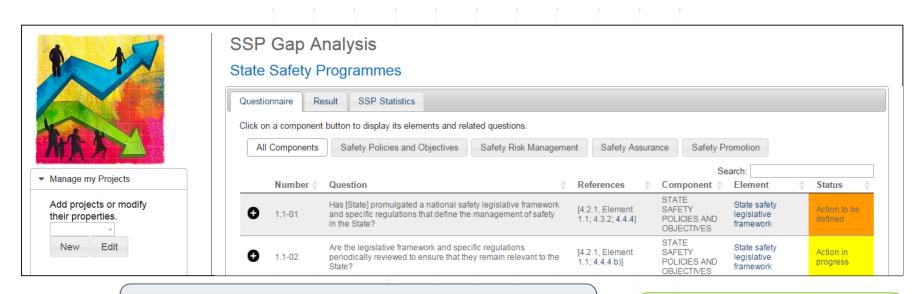


Regional Progress Against Global Indicators & Targets



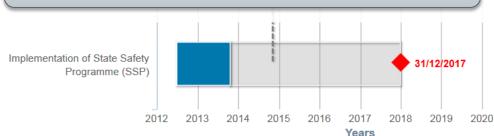


Regional Progress Against Global Indicators & Targets





Only <u>4 States</u> that have an EI > 60% have started using the SSP gap analysis in iSTARS



RECOMMENDATION

- Register on iSTARS for SSP Gap Analysis Tool
- Attend the HLSC Sidebar on SSP Gap Analysis Tool

Source: Regional Dashboards (www.icao.int/safety/pages/regional-targets.aspx)



Your Regional Indicators for Endorsement

- Maintain 60% of applicable APAC airlines to be IOSA certified by end of 2017
 - Current Level: 38% of APAC airlines are IOSA certified



Source: Regional Dashboards (www.icao.int/safety/pages/regional-targets.aspx)



Your Regional Indicators for Endorsement

States achieve at least 60% EI in <u>AGA</u> of USOAP CMA by 2017



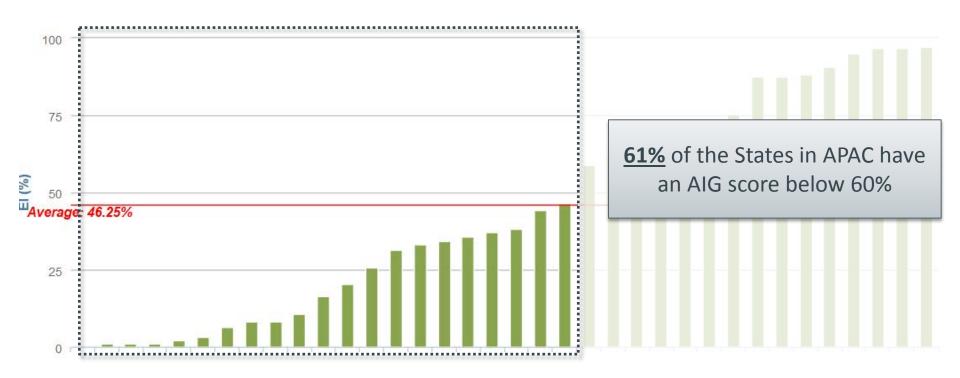
Source: SPACE (iSTARS v2) (https://portal.icao.int/space)

5 December 2014



Your Regional Indicators for Endorsement

States achieve at least 60% EI in AIG of USOAP CMA by 2017



Source: SPACE (iSTARS v2) (https://portal.icao.int/space)

5 December 2014

Summary Recommendations for APAC States

- State Plans of Action (PoA) for priority States based on risk
- Alignment of RASG, COSCAP and PASO regional actions against priority states and PoAs
- Prioritize actions to support safety oversight improvements (Els < 60)
- Prioritize **resolution of SSC** through technical assistance project
- ICAO Cambodia SAFE-funded Technical Assistance project to be accepted/implemented
- ICAO PASO Memorandum of Cooperation signing
- States to request Technical Assistance from ICAO if required
- States to request ICVM and/or off-site validation once ready to improve El score by validation of actions

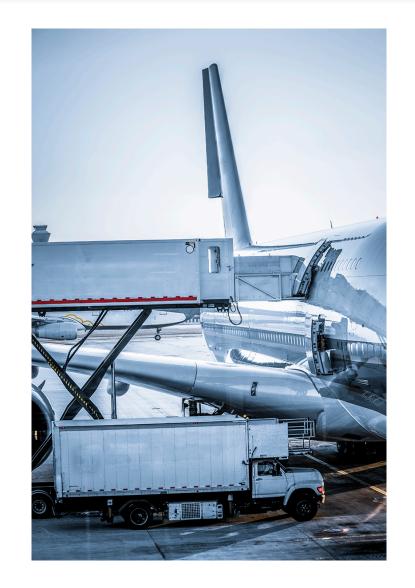






Recent deliverables to assist in global

IMPLEMENTATION



ICAO UNITING AVIATION

NEW MANUALS











NEW UPDATES









NEW IMPLEMENTATION KITS (IKITS)





COMING SOON

NEW CIRCULARS

CABIN CREW SAFETY TRAINING MANUAL





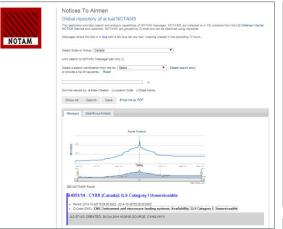


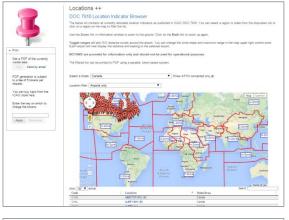


See more at: www.icao.int/safety/ lmplementation/Pages/iKITs.aspx

NEW ONLINE TOOLS









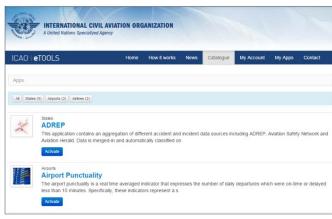


SPACE APPLICATIONS





REGIONAL DASHBOARDS



ICAO eTOOLS (In collaboration with ATB)



Upcoming Key

GLOBAL EVENTS





Key Global Events – 2014 & 2015

















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