

The Status of Aviation Safety in Asia Pacific

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ICAO as your Regional "Mirror"



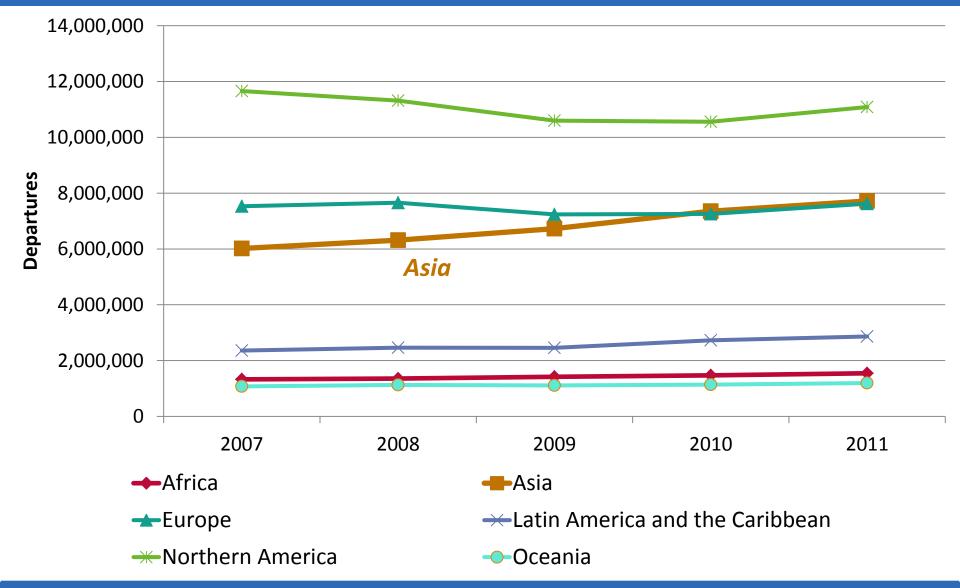
CLARITY



IMPROVEMENT

Global Traffic by UN Region (2007-2011)



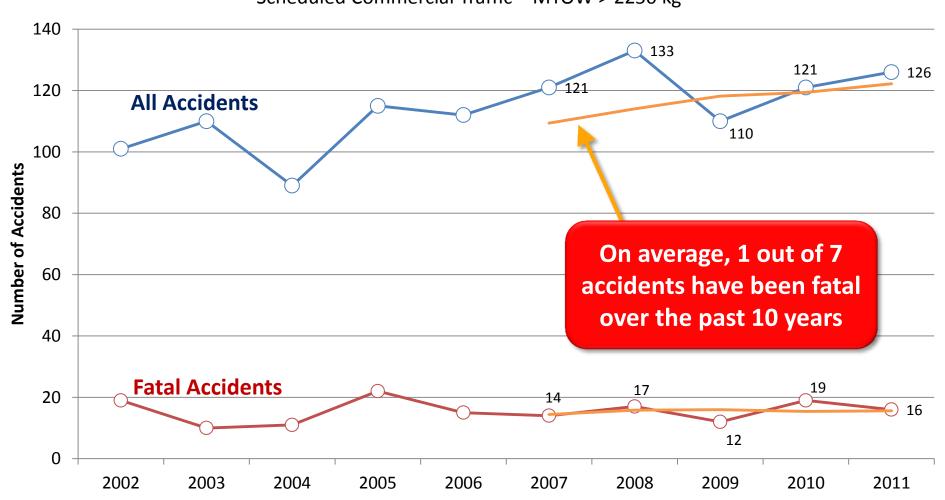


Global Accidents (2002-2011)



Accidents and Fatal Accidents per Year

Scheduled Commercial Traffic – MTOW > 2250 kg

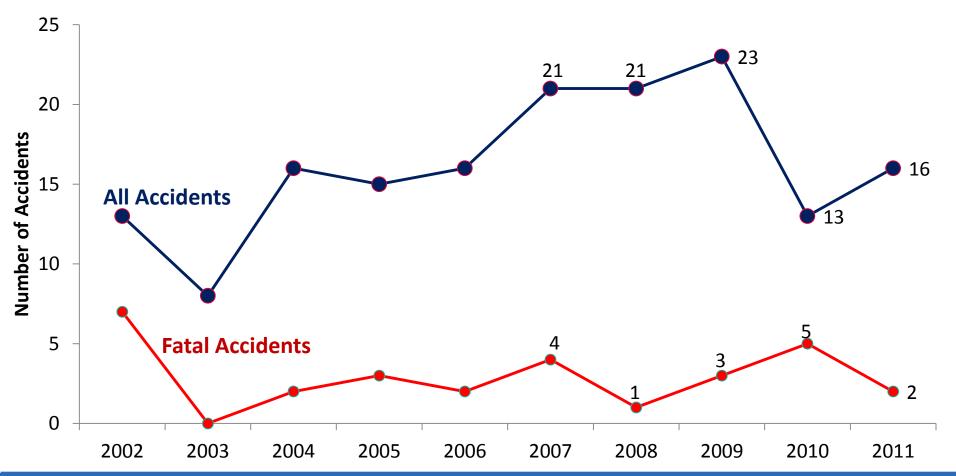


APAC Accidents (2002-2011)



Accidents and Fatal Accidents per Year

Scheduled Commercial Traffic - MTOW > 2250 kg

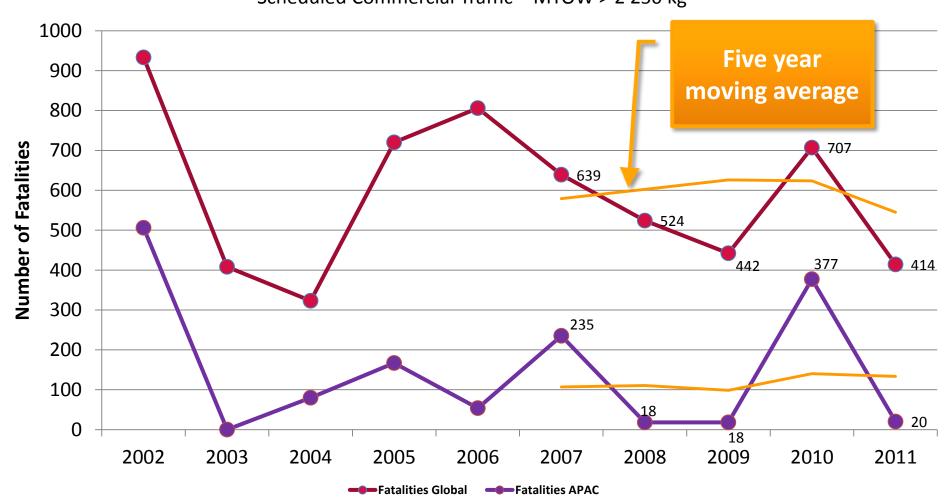


Overall Fatalities (2002-2011)



Fatalities per Year

Scheduled Commercial Traffic – MTOW > 2 250 kg



Overview of Accident Trends



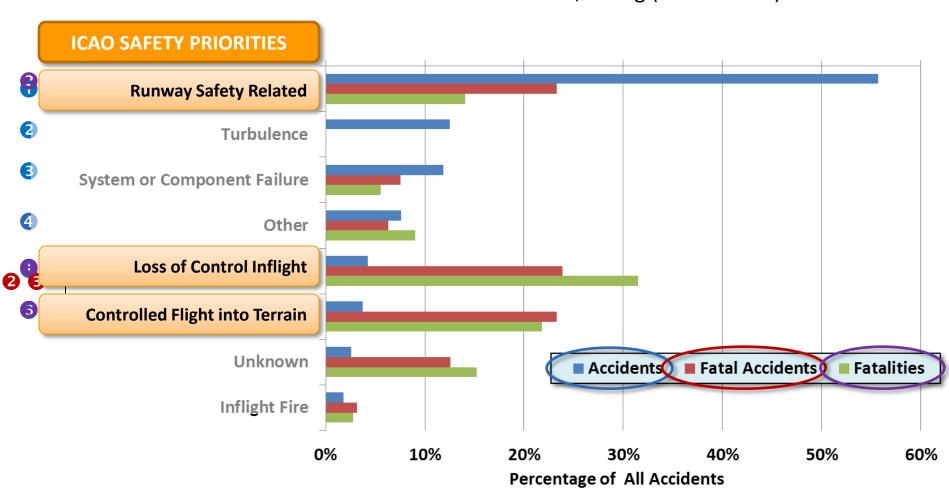
- → Globally, the number of accidents, number of fatal accidents and the accident rate are stable.
 2011 had second-lowest number of fatalities in last 10 years.
 - Three categories (lack of runway safety, loss of control, and CFIT) account for over 73% of all fatal accidents; focused actions are ongoing in these areas.
- → APAC is a high traffic region 2nd highest in the world just ahead of EUR
 - → Total accident and fatal accident numbers are *relatively* constant with a significant decrease in fatalities in 2011.

Accidents in Detail – *Main Killers*



Accidents & Related Fatalities by Occurrence Categories

Scheduled Commercial Traffic – MTOW > 2,250 kg (2006-2010)



Addressing the Operational Issue:





Collaboration of all stakeholders

Runway Safety Teams – multidisciplinary teams established locally

Regional Runway Safety Seminars :

- 3-day format includes optional workshop for new Runway Safety Teams
- Example: 29-30 October 2012 in Cape Town, South Africa

Runway Safety Website www.icao.int/RunwaySafety

- Easy access to information on public website, including documents and toolkits
- Development of online guidance material

























Addressing the Operational Issue:

Loss of Control Inflight



ICAO Actions:

- Host monthly meetings of international regulators and experts, in coordination with the US FAA ARC and the International Committee for Aviation Training in Extended Envelope (March through September 2012)
- Collect globally acceptable best practices, for upset prevention and recovery training as a basis for ICAO Standards development

Deliverables:

- Licensing and training Standards in Annex 1 and Annex 6, Part I
 Nov 2013
- Symposium on preventing Loss of Control Inflight 2014

ICAO website for Loss of Control Inflight:

- Easy access to information on public website, including documents and toolkits
- Development of online guidance material

Addressing the Operational Issue:

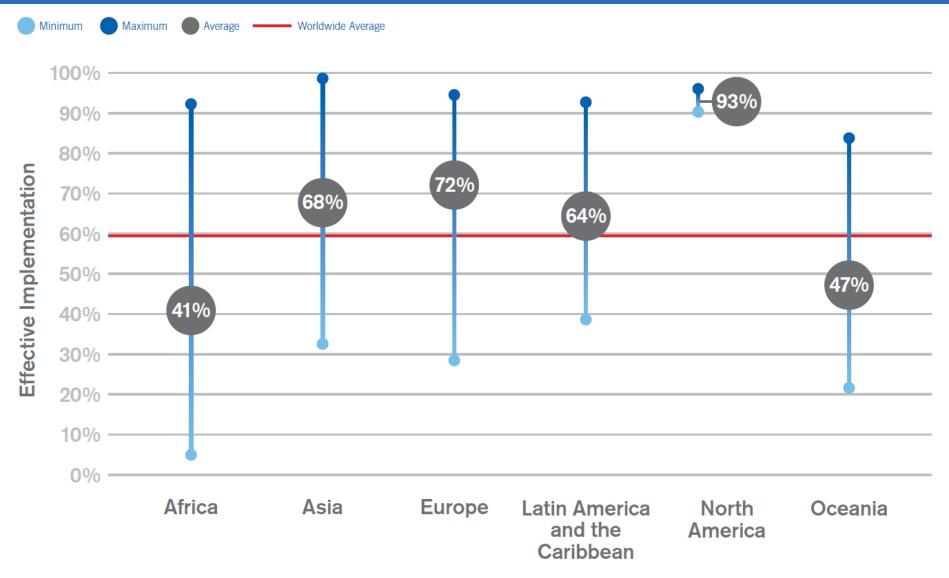
Controlled Flight Into Terrain (CFIT)



- Major improvement in the last decade due to:
 - Enhanced ground proximity warning systems
 - Glass cockpits, terrain alerting systems
 - Emphasis by ICAO, regulators and industry on education and training
- Focus is now on implementation of Performancebased Navigation (PBN)
- Several initiatives under consideration to increase situational awareness
 - Head-up display, synthetic and enhanced vision systems

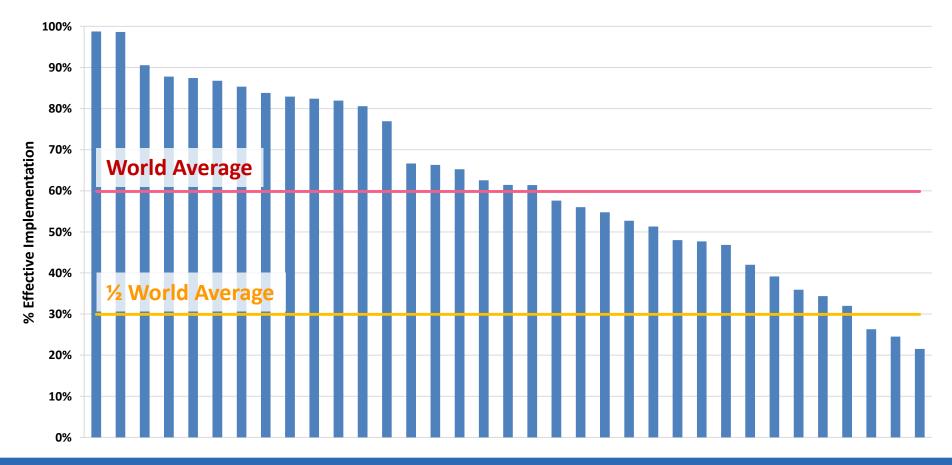
Global USOAP Results – Effective Implementation by Region





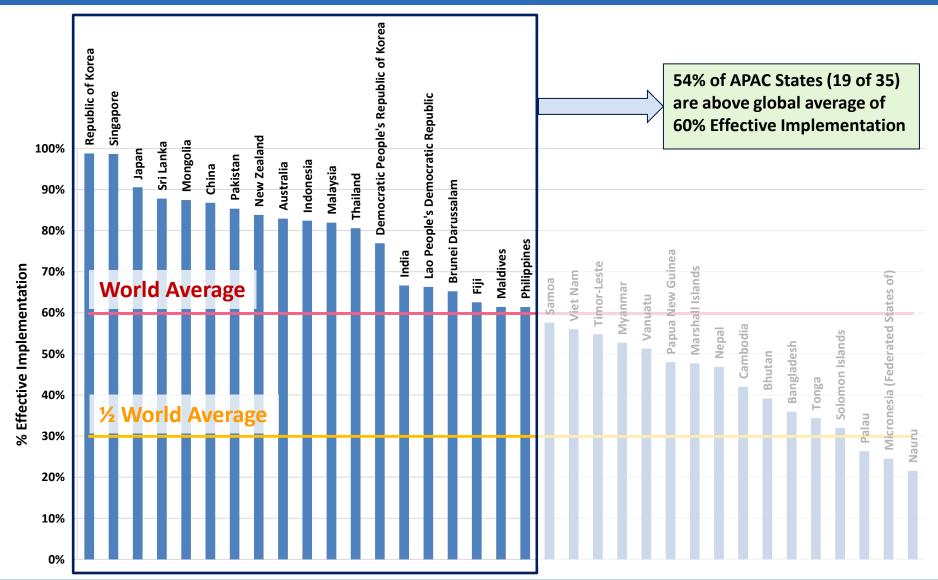
APAC USOAP Results – Effective Implementation by each State





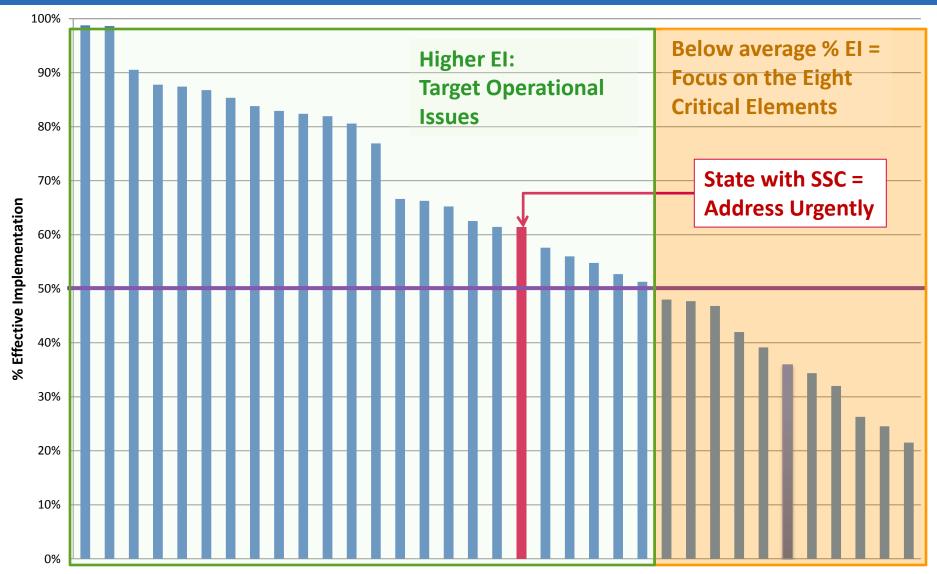
APAC USOAP Results – Effective Implementation by each State





Matching Priorities for Improvement Effective Implementation by each State





Targets recently set for Africa



- Reduce runway related accidents to no more than 8 by 2015
- Reduce controlled flight into terrain related accidents to no more than <u>1</u> by <u>2015</u>
- Establish Civil Aviation Authorities with full autonomy and sustainable sources of funding
- Require Services Providers to implement an SMS by 2015
- Certify International Aerodromes by 2015
- Require African carriers to complete IOSA audit by 2015

ICAO Plan of Action



- → States with SSCs and/or poor audit results prepare an ICAO Plan of Action
- → Developed by the State and ICAO to target the high priority objectives
- Includes input from existing and potential assistance providers and donors
- → Formally accepted by the State at the level of the Minister



CAO Uniting Aviation on Safety | Security | Environment





Expanding Safety Analysis Capabilities

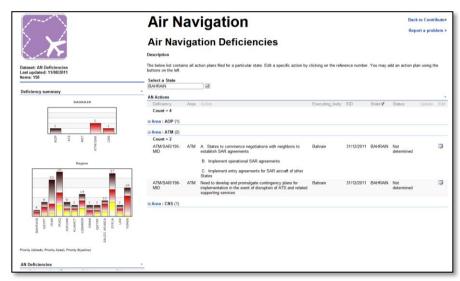




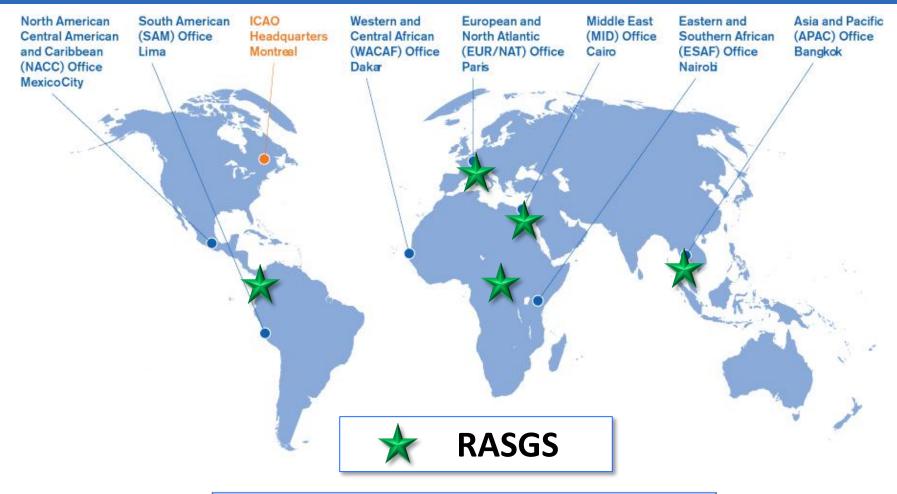




http://www.icao.int/iSTARS







Thank you!