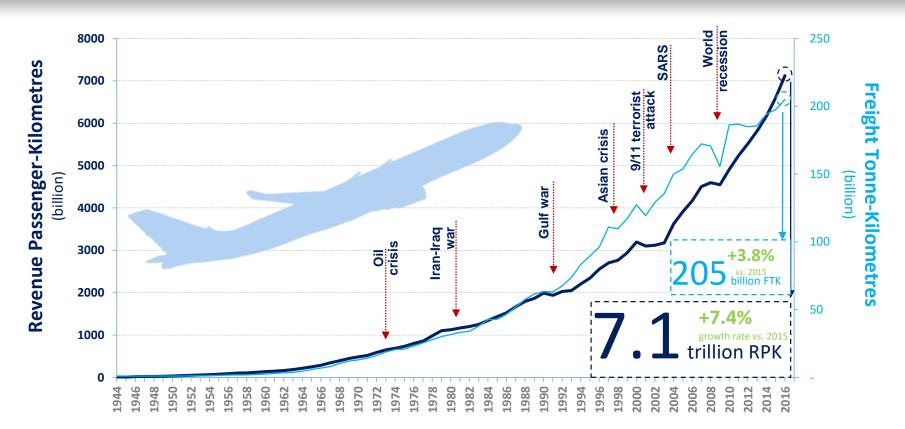






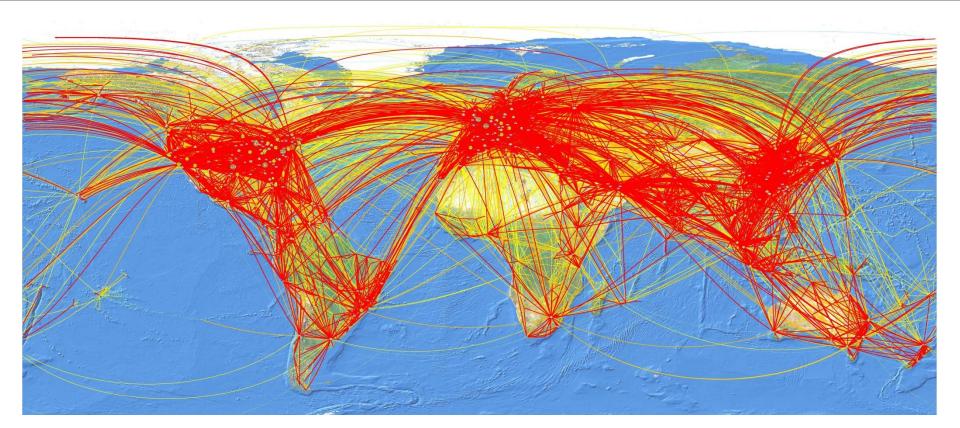
Growth of Air Transport





TRAFFIC DENSITY

2040





Our
Aspirational
Safety Goal





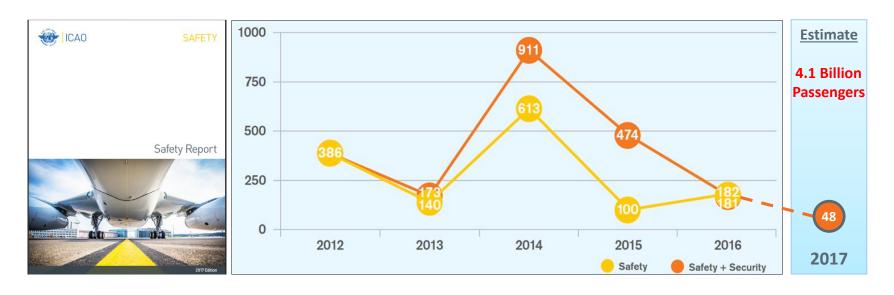
We are not that far...

Regional Accident Statistics: 2013							Regional Accident Statistics: 2015					
RASG	Estimated Departures (in millions)	Number of accidents	Accident rate (per million departures)	Fatal accidents	Fatalities	RASG	Estimated Departures (in millions)	Number of accidents	Accident rate (per million departu	Fatal es) accidents	Fatalities	
AFI	0.7	9	12.9	1	33	AFI	0.8	6	7.3	0	0	
APAC	8.6	19	2.2	1	49	APAC	9.8	24	2.5	3	98	
EUR	7.9	21	_						3.0	1	150	
MID	1.1	2	Fo	r 2017	(non-v	alidate	ed results)		2.5	1	224	
PA	13.8	39	10	2017	(11011)	andate	La results,		2.6	1	2	
WORLD	32.1	90			MID a	nd AF			2.8	6	474	
						IIG AI						
Regional Acciden					(APAC 2 – PA 1)				ent Statistics: 2016			
RASG	Estimated Departures (in millions)	Number of accidents		ZEI	RO fa	atalit	ties		Accident Rate (per million departures)	Fatal Accidents		
\FI	0.7	6							1.2	1	1	
APAC	10.2	18	1.8	3	449	APAC	10.7	19	1.8	2	50	
EUR	8.9	26	2.9	1	298	EUR	8.7	24	2.8	2	64	
/ID	3.0	77	2.3	2	39	MID	1.3	3	2.3	2	67	
PA	9.9	41	4.1	0	0	PA	13.3	28	2.1	0	0	
VORLD	33	98	3.0	7	904	FA	15.5	20	2.1	U	U	





Fatalities Trend for Scheduled Commercial Flights (2012 - 2017)



Fatalities showed a spike during 2014, and then recovered in 2015 & 2016

Asia Pacific Region

Complexity

- 39 States, 40 CAAs & 42 Air Navigation Service Providers (ANSPs)
- 49 Flight Information Regions, Vast Oceanic Airspace
- Diverse Aviation Capacity

Economic Growth 2016

- 10.2% growth in Revenue Passenger Kilometer (RPK)
- Global Market Share
 - 34% Passenger
 - 39% Cargo
- Supports 30.9m jobs & GDP of \$632b

Threats

- Natural Disasters
 (Earthquakes,
 Tsunami, Volcanoes,
 Tropical cyclones)
- Health threats (Avian Bird's Flu, H1NI)
- Financial Downturn



Key Challenges in APAC



Rapid growth in air operators and aircraft fleet



Increased airspace and airport congestion



Insufficient resources to improve compliance with ICAO provisions



Slow progress of implementation of ATS infrastructure











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Pacific Islands – remote location require extra resources to provide assistance





Lack of political will and awareness of aviation's benefits





Insufficient number of qualified Safety Inspectors and insufficient training capacity





Insufficient participation by States at ICAO regional meetings







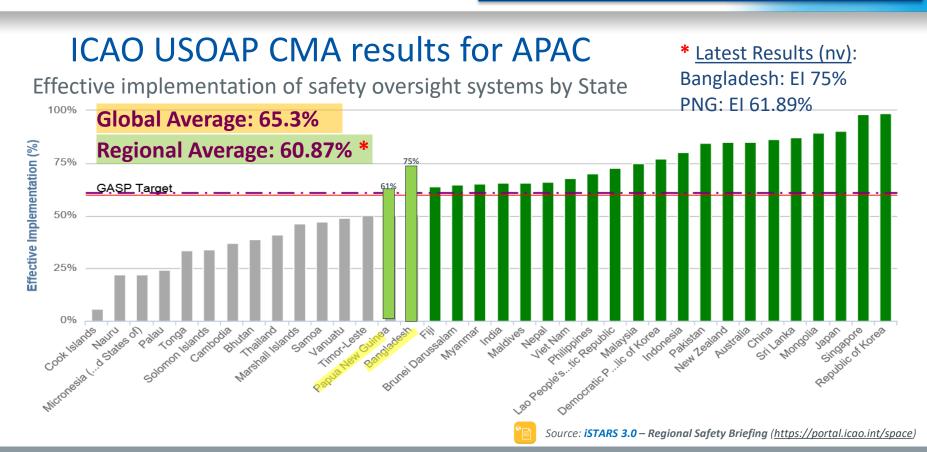


Emerging safety issues



29 March 2018

USOAP CMA EI Results



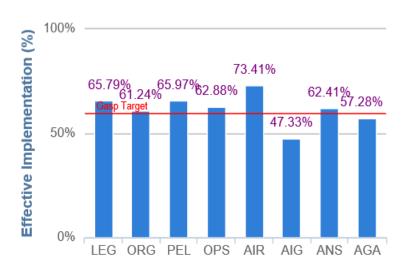
ICAO



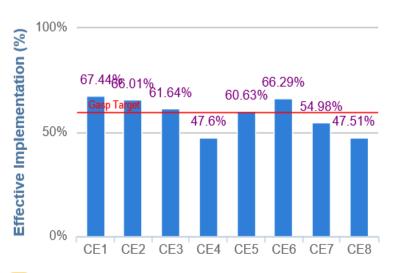
ICAO USOAP CMA results for APAC

USOAP Results by Area and Critical Element

El by Area



El by Critical Element





Source: iSTARS 3.0 - Regional Safety Briefing (https://portal.icao.int/space)

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Regional Aviation Safety Group - APAC

APAC Regional Safety Priorities & Annual Safety Report

ICAO / Asia and Pacific (APAC) Office / REGIONAL AVIATION SAFETY GROUPS - ASIA PACIFIC

MEETINGS

RASG-APAC

ToR

APRAST

ToR

Starter Kit to APRAST

APAC - AIG

ToR

AP SRP WG

ToR

SEI WG

ToR

SAFETY INFORMATION

Safety Tools

Implementation Status

User Guide for RASG-APAC Monitoring Mechanism

REGIONAL AVIATION SAFETY GROUPS – ASIA PACIFIC (RASG-APAC)

- Annual Safety Report Asia Pacific Region 2017 (File size 3.5 MB)
- RASG-APAC 2016-2017 Work Programme
- · Asia pacific Regional Aviation Safety Priorities and Targets
- RASG-APAC Procedural Handbook First Edition (March 2016)
- List of Point of Contact for RASG and APRAST
- · Asia Pacific Accident/Incident Investigation Bodies
- RASG-APAC Meetings***
- ANNUAL SAFETY REPORT Asia Pacific Region ***

*** Access to the above pages require members to login at http://portal.icao.int and subscribe to group name RO_APAC. If you do not have Secure Portal account please follow the instruction outline in ICAO Secure Portal Access Instructions.pdf

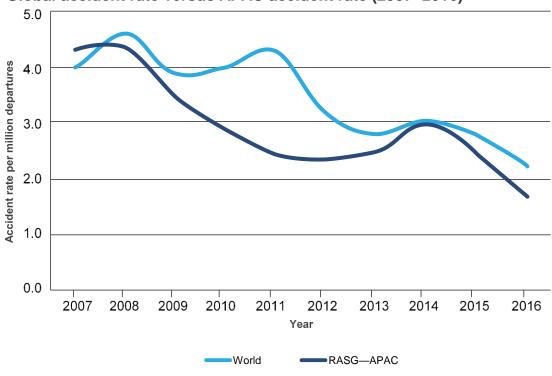
Note: ICAO Secure Portal access is restricted to users from a Member State's Civil Aviation Administration and governmental bodies/agencies involved in non-commercial aviation activities.

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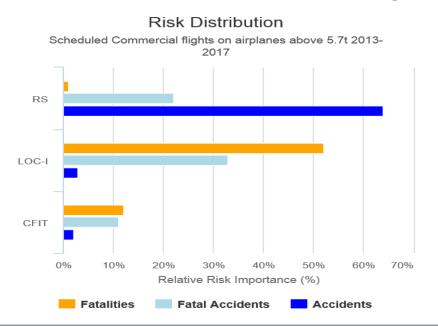


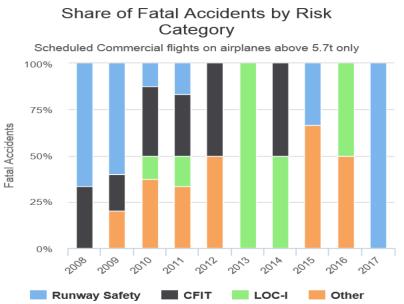




APAC Statistics and Data on Accidents

Scheduled Commercial above 5700kg





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APAC Regional Safety Priorities





1. Reduction of operational risks



2. Improvements to safety oversight/Industry safety audits



3. Consistent and effective SMS and SSP



4. Predictive risk management and advanced regulatory oversight



5. Enhanced Aviation Infrastructure – ATS & Aerodrome Facilities



APAC NCLB Initiative

APAC Combined Action Team (CAT)

4-6 SMEs (ICAO & Champion States) to address areas of USOAP deficiency.

'ICAO Funded'

2016

Thailand, Cambodia, Indonesia, Philippines, Myanmar, Papua New Guinea, Bhutan, Nepal, Bangladesh, Solomon Islands and Tonga 2017

Bangladesh, Cambodia, Fiji, Indonesia, Maldives, Myanmar, PNG and Timor-Leste



- 2 States resolved SSC
- 5 States improved EI to above 60%
- Regional EI improved from 58% to 61%

APAC NCLB SUCCESS STORY...

OPERATIONS AIRWORTHINESS AIR NAVIGATION SERVICES

ICAO APAC CAT EXPERT

APAC Ministerial Conference on Civil Aviation

- 31 Jan 1 Feb 2018, Beijing, China
- The Beijing Declaration encompasses high level commitments Aviation Safety, Air Navigation Services, Accident Investigation and Human Resource Development
- 250 participants,
- 32 APAC States,
- 6 Int. Orgs







BEIJING Declaration: Aviation Safety

- Progressively enhance safety oversight capability to achieve a Universal Safety Oversight Audit Programme (USOAP) Effective Implementation (EI) score higher or equal to the global average by 2022;
- Implement an effective State Safety Programme (SSP) by 2025; and
- Certify all aerodromes used for international operations by 2020.

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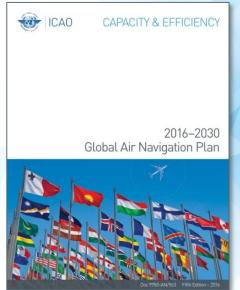


39th

TRIENNIAL ASSEMBLY

ICAO HQ, MONTREAL, 27 SEP-07 OCT 2016

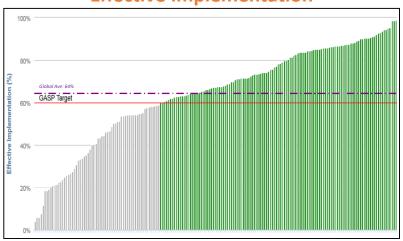






PROPOSAL FOR NEXT GASP

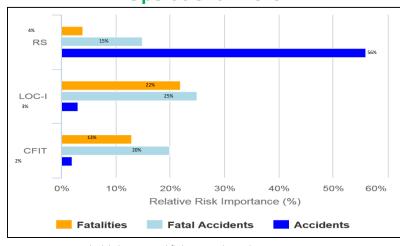
Effective Implementation



USOAP Audit Results



Operational Risks



Scheduled Commercial flights on airplanes above 5.7t 2012-2016

TARGET 4.1	TARGET 2.1	TARGET 2.2	TARGET 3.1	TARGET 3.2	TARGET 6.1	TARGET 1.1	TARGET 5.1	TARGET 5.2	TARGET 4.2	TARGET 4.3
ICAO Recognized functions	Implement Safety Oversight	Positive Safety Margin	Sustainable SSP	Effective SSP	Appropriate Infra- structure	Reduced Accident rate	INDUSTRY assessment programmes	Harmonized KPIs in SMS	Safety risk information to RASG	RASG Risk mgmt. activities
2020	2022+	2022	2022	2025	2022	Yearly	2020	2022	2022	2022

13th Air Navigation Conference (AN-Conf/13)

9 – 19 October 2018, Montréal, Canada

Air Navigation Committee (Committee A)	Aviation Safety Committee (Committee B)				
1: Air navigation global strategy	6: Organizational safety issues GASOS				
2: Enabling the global air navigation system					
3: Enhancing the global air navigation system					
4: Implementing the global air navigation system and the role of planning and implementation regional groups	7: Operational safety risks				
(PIRGs)	8: Emerging safety issues				
5: Emerging issues					

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