



SAFE TRAVELS

Committed to leave no one behind

ICAO's Agenda for SAFETY and AIR NAVIGATION



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APANPIRG/29

Bangkok, 03 - 05 September 2018



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 departure	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		For 2017						1	224	
PA	13.8	39		2.6							2	
WORLD	32.1	90			MID a	nd AE			2.8	6	474	
						IIG AI						
	Region	al Accide	n'	(APAC 2 – PA 1)					nt Statistics: 2016			
RASG	Estimated Departures (in millions)	Number of accidents		ZE	RO fa	talit	ties		Accident Rate (per million departures)	Fatal Accidents		
\FI	0.7	6							1.2	1	1	
PAC	10.2	18	1.8	3	449	APAC	10.7	19	1.8	2	50	
UR	8.9	26	2.9	1	298	EUR	8.7	24	2.8	2	64	
IID	3.0	7	2.3	2	39	MID	1.3	3	2.3	2	67	
A	9.9	41	4.1	0	0	PA	13.3	28	2.1		07	
ORLD	33	98	3.0	7	904						100	
						WORLD	34.9	75	2.1	/	182	





Fatalities Trend for Scheduled Commercial Flights (2012 – 2017)



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





Risks/barriers to achieve our goal

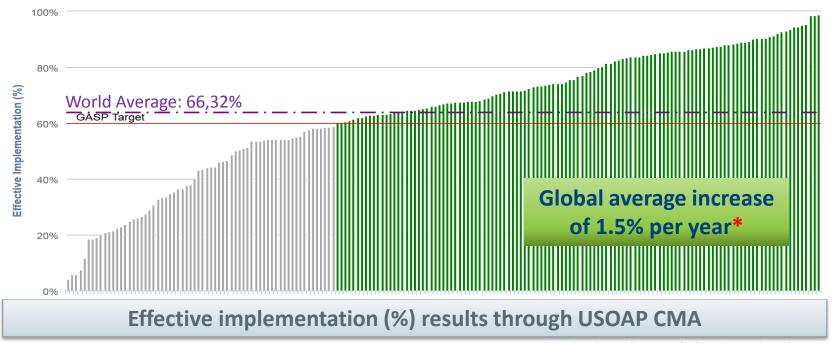
- Effective Implementation of SARPs
- Operational Risks (ICAO's priorities)
- Current and emerging issues



ICAO



Effective Implementation of State Safety Oversight







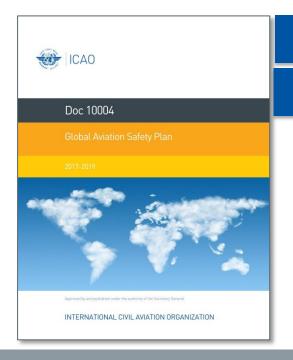
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WHAT WE HAVE TODAY

(Aiming for Effective Implementation of SARPs)



GASP 2017-2019/GANP 2016-2030



GASP objectives and associated timelines

Global aviation safety roadmap diagram

Aviation System Block Upgrades (ASBU) Methodology

Technology Roadmaps and Module Dependencies







Evolving Safety Performance

- iMPLEMENT is a data-driven decision making process that:
 - Assesses the current status of aviation (Safety Briefings)
 - Identifies the best solutions in order to maintain or improve the aviation capability of the State (solution Center)
 - Evaluates the needs of the aviation system
 (money, people, infrastructure) (CAA HR Tools, PAINT/iAID, etc.)
 - Identifies resources through existing national, regional, or global mechanisms (ASIAP, SAFE Fund, etc.)
 - Showcases the real added value of air transport and the socio-economic return on investment of aviation





NO COUNTRY LEFT BEHIND





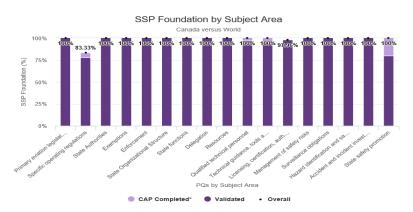
Safety Manage SSP Founda now available on it

- The SSP Foundation Tool complements the SSI oversight foundation for SSP implementation
- A sub-set of 311 PQs (out of 1,099 total USOAF PQs are grouped into 17 subject areas. One of
- The tool can help States identify weaknesses in
- States should prioritize and ensure these PQs a



Current Status



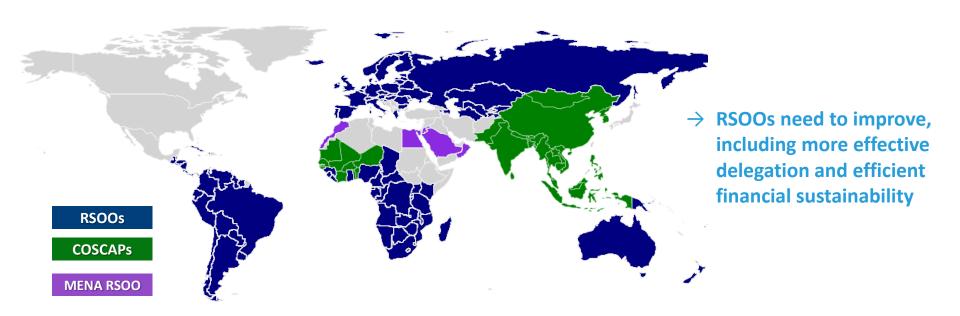


*CAP completed are corrective action plans as reported by the State using the USOAP CMA Online Framework





RSOOs (including COSCAPs)



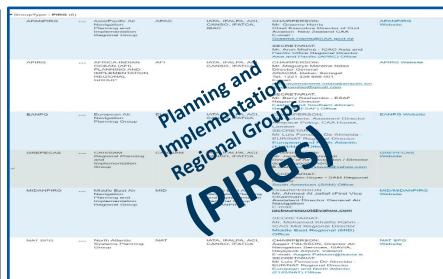


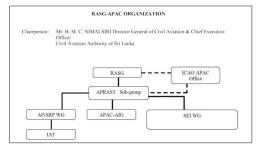
ICAO UNITING AVIATION

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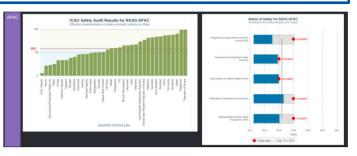


















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WHAT'S NEXT?



Proposals for Enhancement of GASP

- Balance El & Ops Risk
- Establishment of GASP-SG

Focus on implementation support

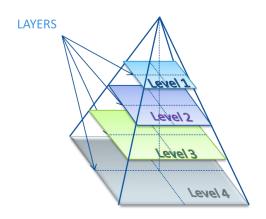


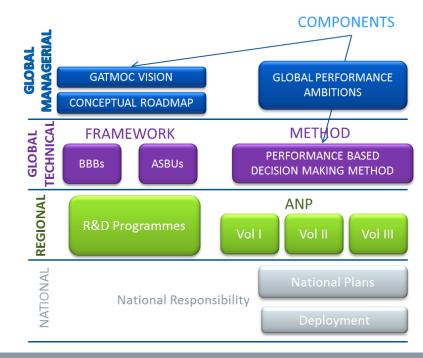


Proposals for Enhancement of GANP

2019 Update of GANP:

Creating a Multilayer Structure

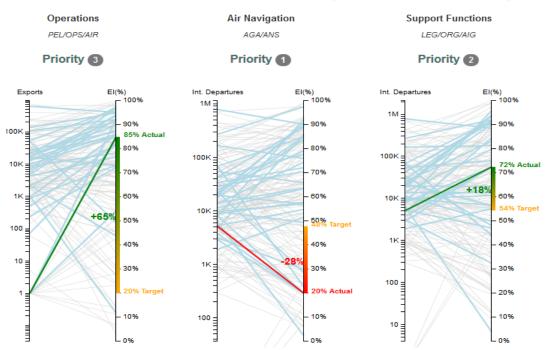








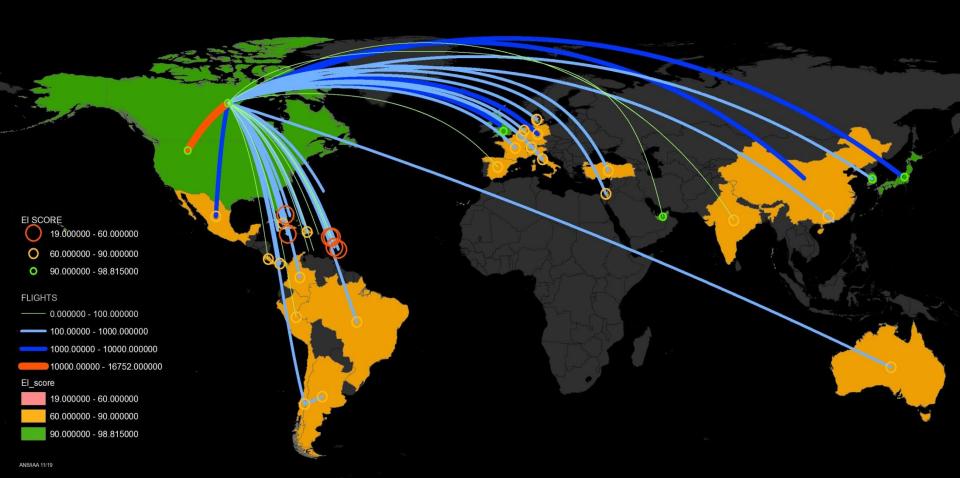
Evolution of Analysis: Safety Margins



Safety Margin

Risk-based prioritization model based on a State's Traffic and the level of Effective Implementation (EI) in the related technical areas at risk (Operations, Air Navigation, Support Functions)

Evolution of Analysis – seeing the Big Picture



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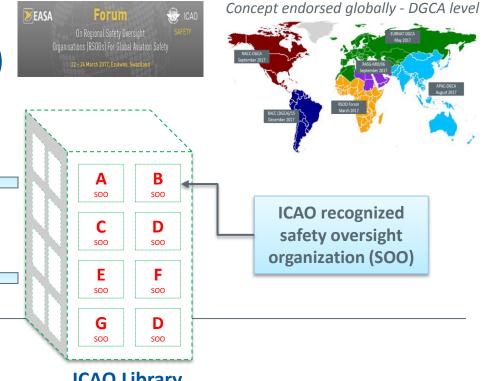






SOO

SOO



State Oversight Audit Results

ICAO Library



Risks/barriers to achieve our goal

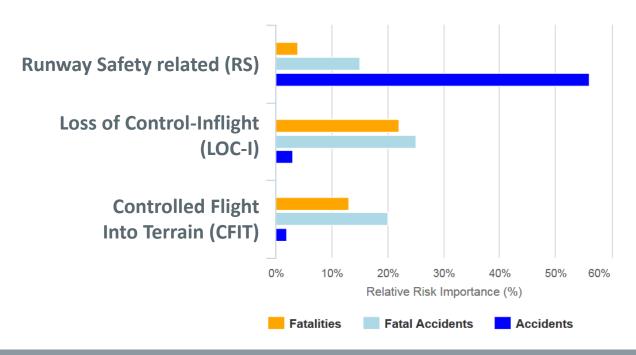
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- ICAO's Safety priorities:
 Operational Risks
- Current and emerging issues

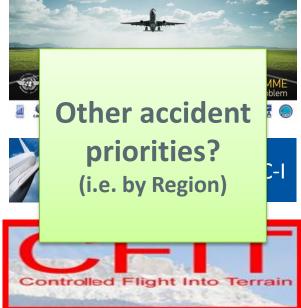






Safety Priorities: Operational Risks

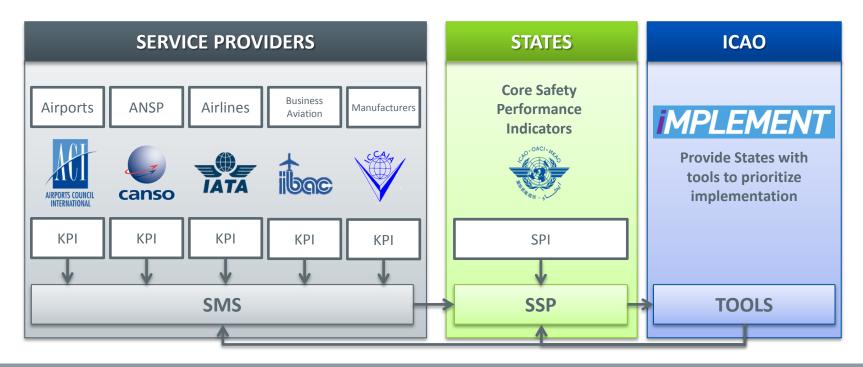








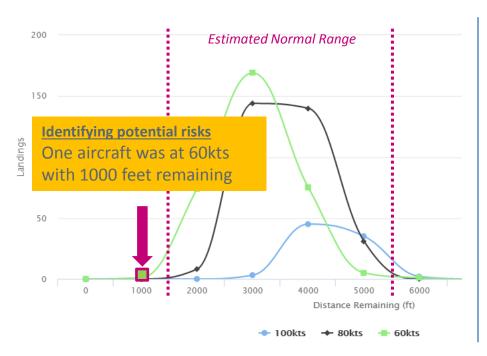
Information Sharing and Exchange

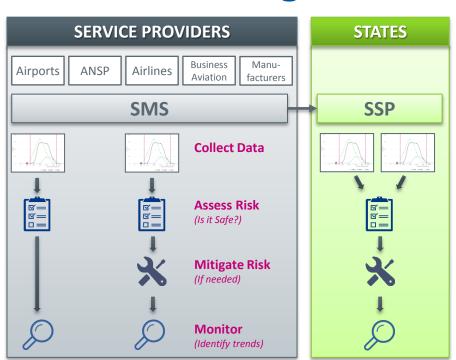






Real-Time Performance Monitoring









Analysis to manage the hazards



OVER 30

Applications for safety analysis and Information

MORE THAN 3000+

Registered users

www.icao.int/safety/ISTARS





Risks/barriers to achieve our goal

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Current and Emerging Issues







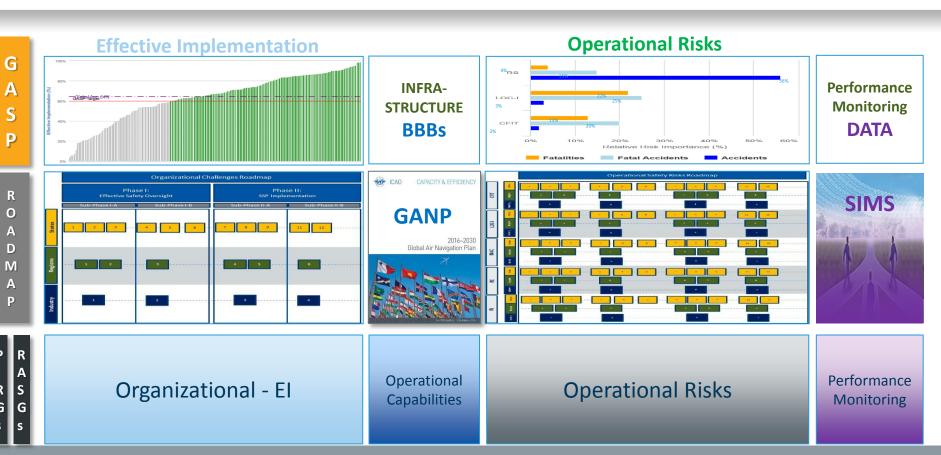
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SUMMARY





Alignment with Global Plans

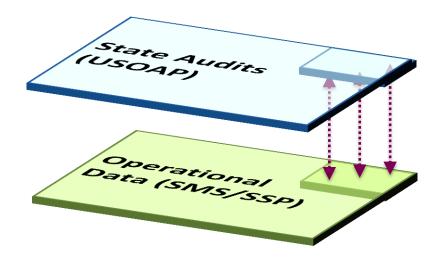




Real-Time Monitoring Aviation's Health

Combining State audits with State/Industry operational data

- Through SMS and SSP
- Protection of information/operational data through Amendment 1 to Annex 19





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