



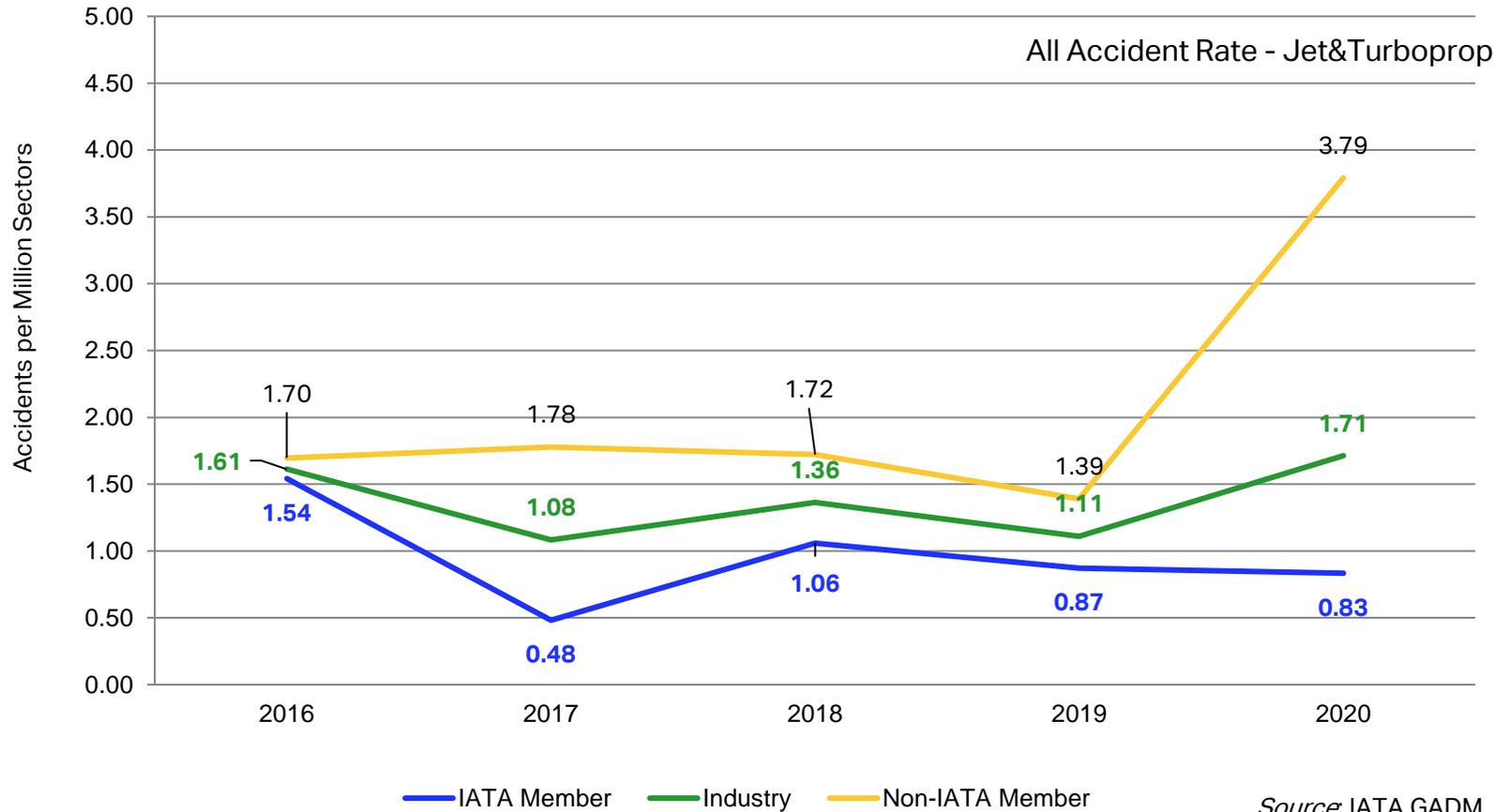
What are the Safety Issues?

Airlines Perspective

Dragos Munteanu, IATA Europe

Industry Accident Rate Increased

All Accidents per Million Sectors 2016 to 2020



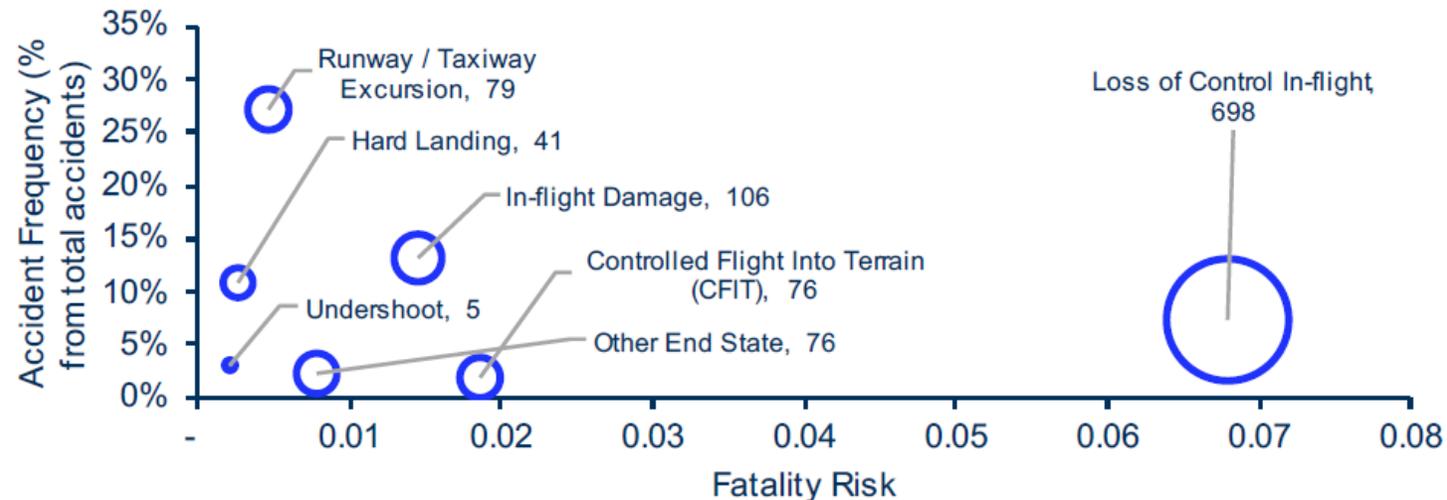
- Even with the lower number of accidents reported in 2020, the accident rate increased from 1.11 to 1.71, because of the reduction of sectors flown in 2020 by 53% when compared to 2019.
- IATA members continue to trend lower than all the industry.

Source: IATA GADM

The Safety Issues

- In a nutshell all the Safety Issues that existed pre-Pandemic and the ones the Pandemic brought with it....

Accident Category Frequency and Fatality Risk (2016-2020)



The graph shows the relationship between the accident category frequency and the fatality risk, measured as the number of full-loss equivalents per 1 million flights. The size of the bubble is an indication of the number of fatalities for each category (value displayed). The graph does not display accidents without fatalities.

Covid-19 Impact

Safely Restarting the Aviation Industry

Alleviations

Irregular Operations

Minimal flying / air traffic

Degraded performance

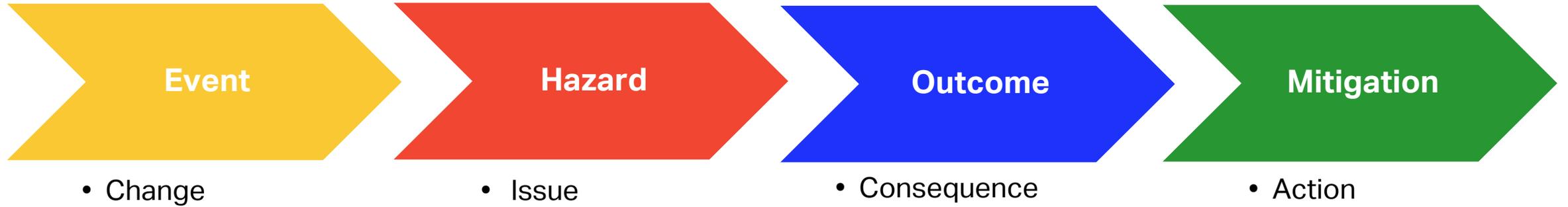
Financial pressure

Individual stress

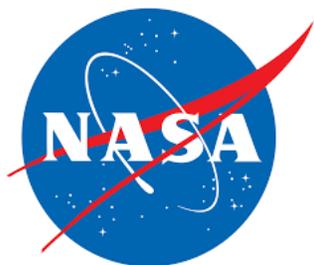
Managing Change



The Value of Safety Risk Assessments



Industry Guidance



Safety Risk Assessments





Safely Restarting Operations: Overview of Current Challenges:

Interrelated operational hurdles arising due to COVID-19 crisis

Inability to fly

- Closed borders restricting ops



Workforce

- Maintaining workforce competency and licensing for pilots, ATCOs, dispatchers
- Limited OJT training options
- Lost expertise due to layoffs, furlough



8,800+

Parked Aircraft

- Prolonged return to service for aircraft in long term storage
- Reduced runway capacity
- Nav aid infringement
- Wing tip clearances
- Non-standard ground movements

Maintenance

- Reduced flight hours
- Deferred maintenance cycles



Unpredicted Demand & Capacity

- Sanitization measures / health protocols
- Greater turnaround times and operational unpredictability for the supply chain

Safety

Compromised safety levels due to reduced ops:

- Unstable approaches
- Contaminated systems
- Fatigue
- Organizational Changes
- Ground Incidents/Accidents



GADM

- Reduced operational volumes impacting safety indicators trends and metrics
- New emerging issues and risks, not previously monitored.



Audits

- Inability to conduct many onsite audits
- Operators short of cash
- Ongoing fleet, personnel and management changes



Future Impact

- Reduced system investment
- Potentially Increased ANSP/Airport charges
- Summer 2021 Slots

Managing Change



Guidance for Managing Pilot Training and Licensing During COVID-19 Operations

Edition 1 - 22 May 2020



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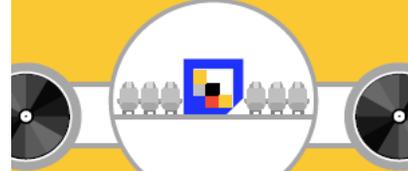
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Ed 1 - 22 May 2020



Guidance for the transport of cargo and mail on aircraft configured for the carriage of passengers

Ed 3 - 04 May 2020



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Guidance for managing crew fatigue during a crisis

Edition 1 - 16 October 2020



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Ed 1 - 16 October 2020



Guidance for Managing Aircraft Airworthiness for Operations During and Post Pandemic

Edition 2 - 07 October 2020



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Ed 2 - 07 October 2020



Guidance for Vaccine and Pharmaceutical Logistics and Distribution

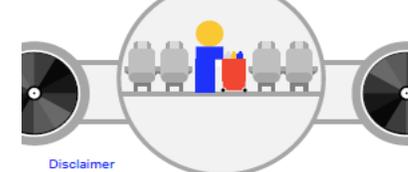
Set of considerations and awareness on large scale handling, transport and distribution of vaccine, pharmaceutical, life science and medical products.

Edition 5 & Last Edition - 1 June 2021




Guidance for Cabin Operations During and Post Pandemic

Edition 5 - 18 May 2021



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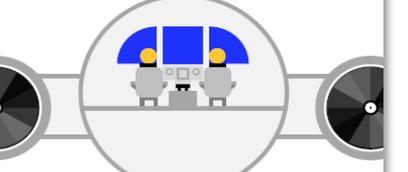
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Ed 5 - 18 May 2021



Guidance for Flight Operations During and Post Pandemic

Edition 3 - 28 Aug 2020



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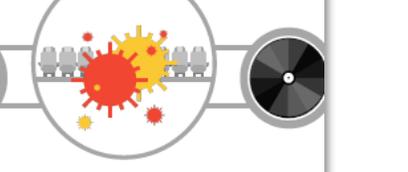
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Ed 3 - 28 Aug 2020



Aircraft cleaning and disinfection during and post pandemic

Ed. 2 - 22 January 2021



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Ed 2 - 22 January 2021



IOSA Guidance for Safety Monitoring under COVID-19

Edition 5 - 06 May 2021



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Ed 5 - 06 May 2021



Guidance for ground handling return to service

Ed.1, 08 May, 2020



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Ed 1 - 08 May 2020



IATA Safety Risk Management Dashboard



COVID - 19 SAFETY RISK MANAGEMENT FRAMEWORK

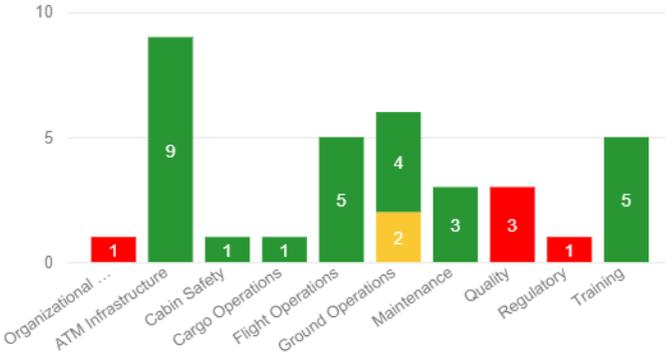
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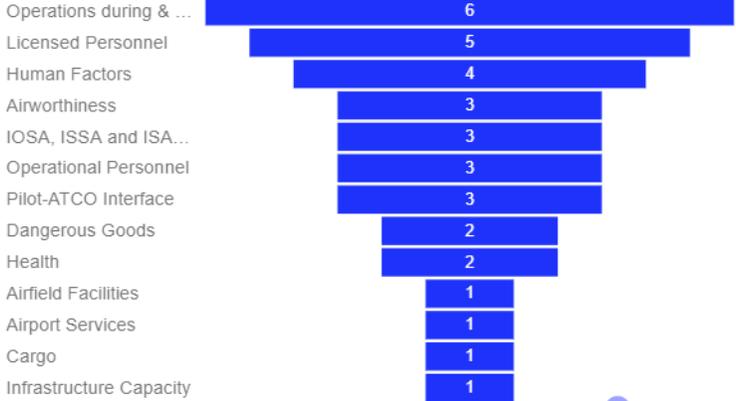
- Select all
- Organizational Change
- ATM Infrastructure
- Cabin Safety
- Cargo Operations
- Flight Operations
- Ground Operations
- Maintenance
- Quality
- Regulatory
- Training

Issues per Operational Area

SRA Complete ● No ● Not Required ● Yes



Issues per Subject



● Guidance Material ● Other Documents



Register A Risk



COVID - 19 Resources

Issue	SRA	Guidance Material IATA / Other Documents	Doc
COVID-19: Constant change in procedural, health and operational procedures	🔗	IATA Guidance for Mitigating Human Factors ATCOS	🔗
COVID-19: Pilot - ATCO communication	🔗	Flight Crew and ATCO Interface during Restart	🔗
COVID-19: Cabin Operation (Catering, Crew Health...	🔗	Guidance for Cabin Operations During and Post Pandemic	🔗
		Guidance for Managing Crew Fatigue During a Crisis	🔗
		IATA - Managing Crew Fatigue During a Crisis	🔗
COVID-19: Change in work load and working environment (i.e:reduced staffing, traffic)	🔗	IATA Guidance for Mitigating Human Factors ATCOS	🔗
COVID-19: Changes to processes/procedures to support refocus in operations during COVID-19 crisis	🔗	IOSA Guidance for Safety Monitoring Under COVID 19	🔗
COVID-19: Crew quarantined down route on rotation of aircraft	🔗	Guidance for Managing Crew Fatigue During a Crisis	🔗
		IATA - Managing Crew Fatigue During a Crisis	🔗
		Operations	🔗
		Aircraft cleaning and disinfection during and post pandemic	🔗
		Aircraft cleaning and disinfection during and post pandemic - Ed. 1 – 19 June 2020	🔗



Thank you

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