

Plenary Session: What's making a difference in safety?

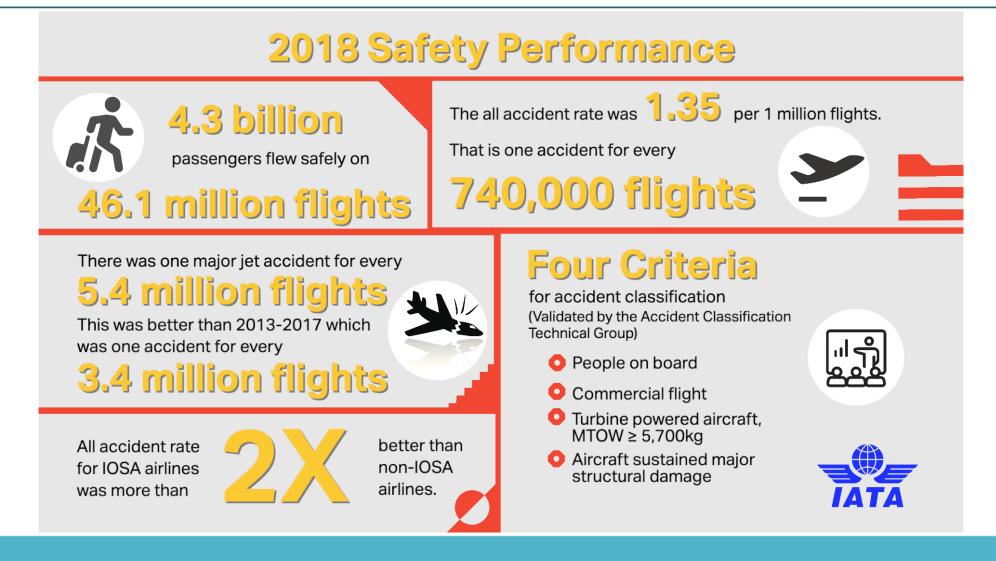
Moderator: Bill Voss, Independent Adviser

Panelists

- Mr. Gerardo Hueto, Assistant Director (Safety and Flight Ops) IATA
- Mr. Martin Eran Tasker, Technical Director, AAPA
- Ms. Juliana Goh, Assistant Director and Site Leader, MITRE Asia Pacific Singapore
- Mr. Todd Sigler, Director, System Safety & Regulatory Affairs, Boeing Commercial Airplanes

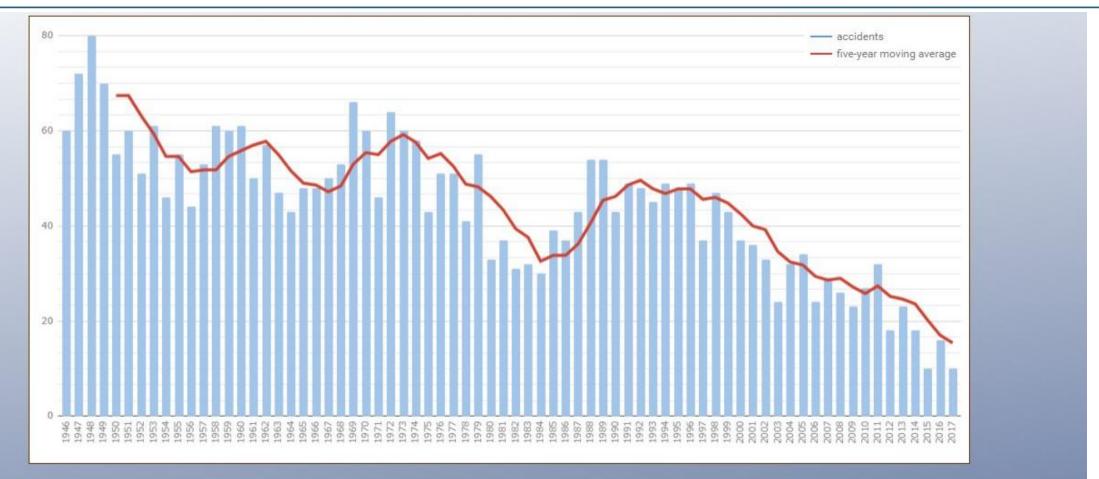
IATA 2018 Safety Data





Fatal Airliner Accident Rate 1947-2017





Statistics are based on all worldwide commercial (cargo and passenger) fatal accidents involving civil aircraft with a minimum capacity of 14 passengers, from the ASN Safety Database https://aviation-safety.net



Aviation Safety Network

Changes – The Rise of Airline Groups



LATAM Airlines Group

- LAN
- LAN Cargo
- TAM Airlines (Brazil)
- TAM Paraguay
- TAM Airlines
- LAN Cargo Columbia
- LAN Ecuador
- LAN Peru
- LAN Argentina
- LAN Colombia
- LAN Express
- MasAir

AirAsia Group

- AirAsia
- AirAsia Cambodia
- AirAsia India
- AirAsia Sri Lanka
- AirAsia Vietnam
- Indonesia AirAsia
- Philippines AirAsia
- Thai AirAsia

Changes – The Rise of Airline Groups



Hainan Airlines Group

- Hainan Airlines
- Air Changan
- Lucky Air
- Tianjin Airlines
- Hong Kong Airlines
- Beijing Capital Airlines
- China Xinhua Airlines
- Fuzhou Airlines
- Guangxi Beibu Gulf Airlines
- Plus 9 more

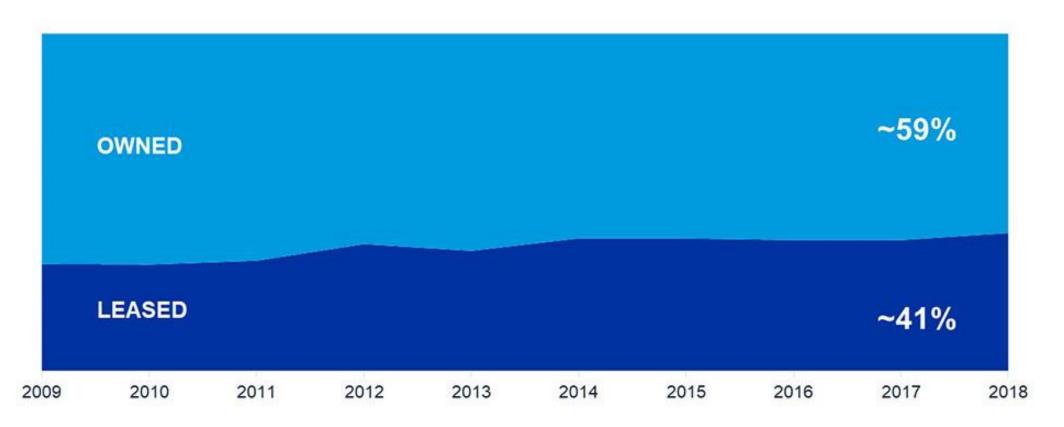
Qantas Group

- Qantas
- Qantas Freight
- Jetconnect
- QantasLink
- Jetstar Airways
- Network Aviation
- Express Freighters Australia
- Plus 9 other minority interests based in other States





Industry share of global fleet on operating lease surpasses 40%



Source: Boeing Ascend analysis as of December 2018

IATA Safety Report 2018– Top Issues



Top Safety Issues

- Airport Infrastructure
- Cabin/Flight Deck
 Smoke/Fire/Fumes
- Controlled Flight Into Terrain
- Dangerous Goods
- Ground Ops and Cargo
- Human Performance
- Loss of Control In-flight
- Maintenance Error
- Mid-Air Collision
- Runway Safety

Emerging Safety Issues

- Smart Baggage
- Lithium Batteries
- Unmanned Aircraft Systems
- Cyber Security



Current

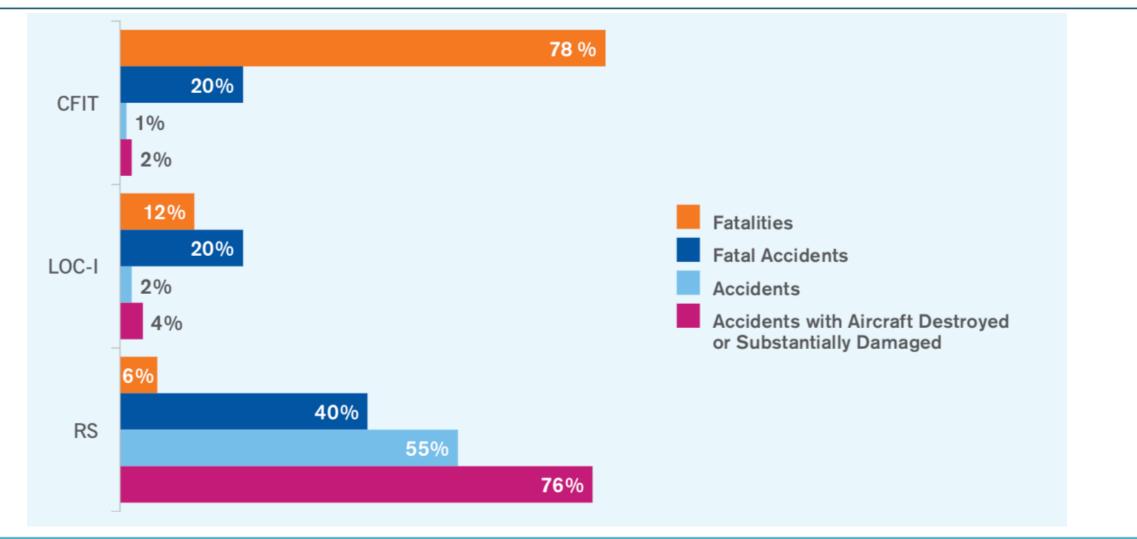
- Runway Safety
- -Loss of Control Inflight
- Controlled Flight Into Terrain

Emerging Priorities

- Global Flight Tracking
- Remotely Piloted Aircraft
 Systems
- Space Transportation
- Risk Arising from Conflict
 Zones

High-Risk Category Accident Overview





Source IATA Safety Report 2017 – Issued April 2018

IATA Safety Report 2018– Top Issues



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