

# **36<sup>th</sup> Meeting of the Informal South Pacific Air Traffic Services Coordinating Group (ISPACG/36)**

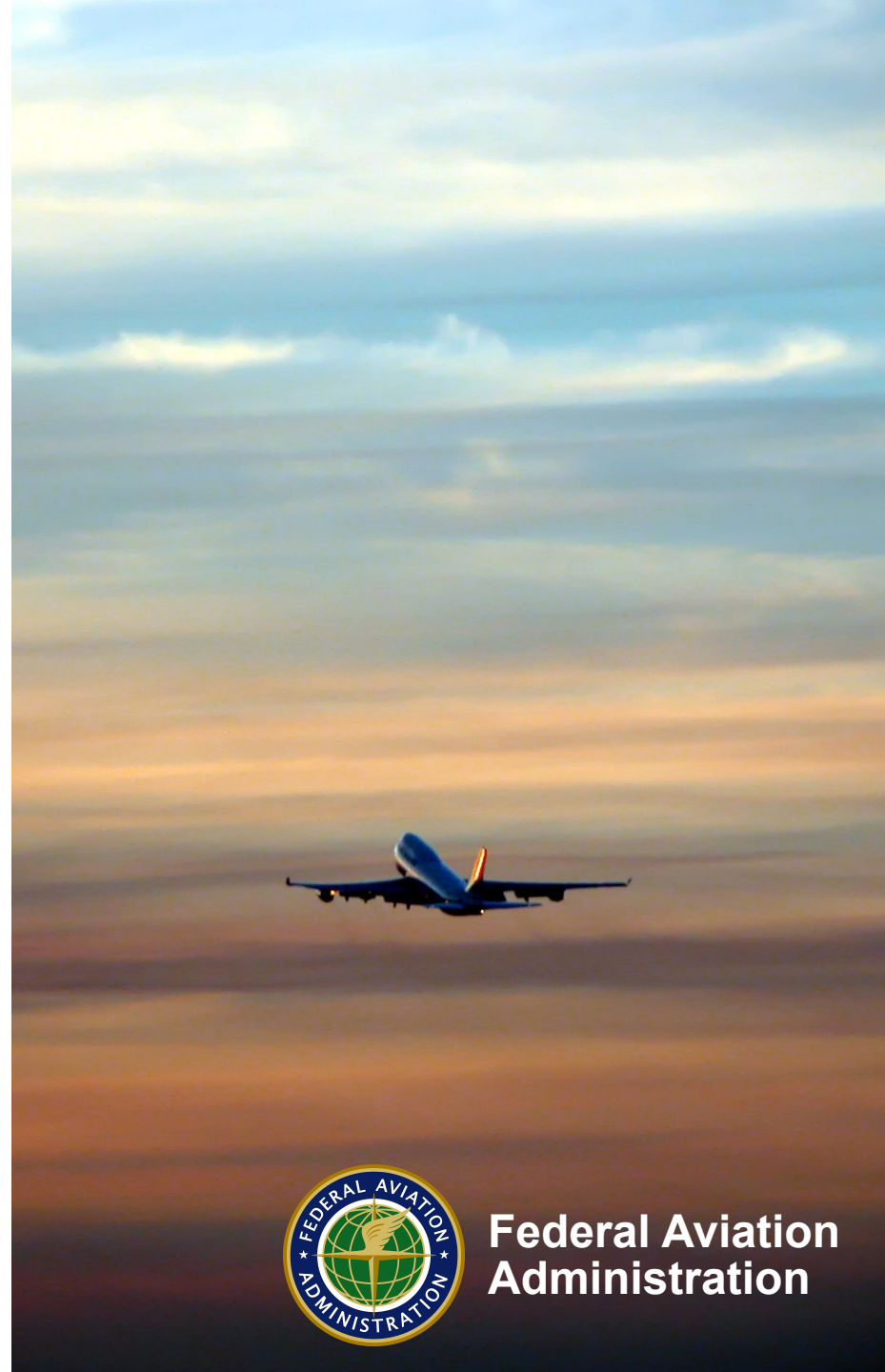
## **Monitoring Agency Activities in South Pacific Airspace**

Prepared by: PARMO

Date: August 2022



**Federal Aviation  
Administration**



# Overview

- **Pacific Approvals Registry and Monitoring Organization (PARMO)**
- **Annual reports to RASMAG/27**
- **Latest news and updates**
- **Reminders**



# Pacific Approvals Registry and Monitoring Organization (PARMO)

- **Regional Monitoring Agency (RMA)**

- Established by APANPIRG to support RVSM implementation and continued safe-use of the RVSM in Pacific Airspace
- [https://www.faa.gov/air\\_traffic/separation\\_standards/parmo/](https://www.faa.gov/air_traffic/separation_standards/parmo/)

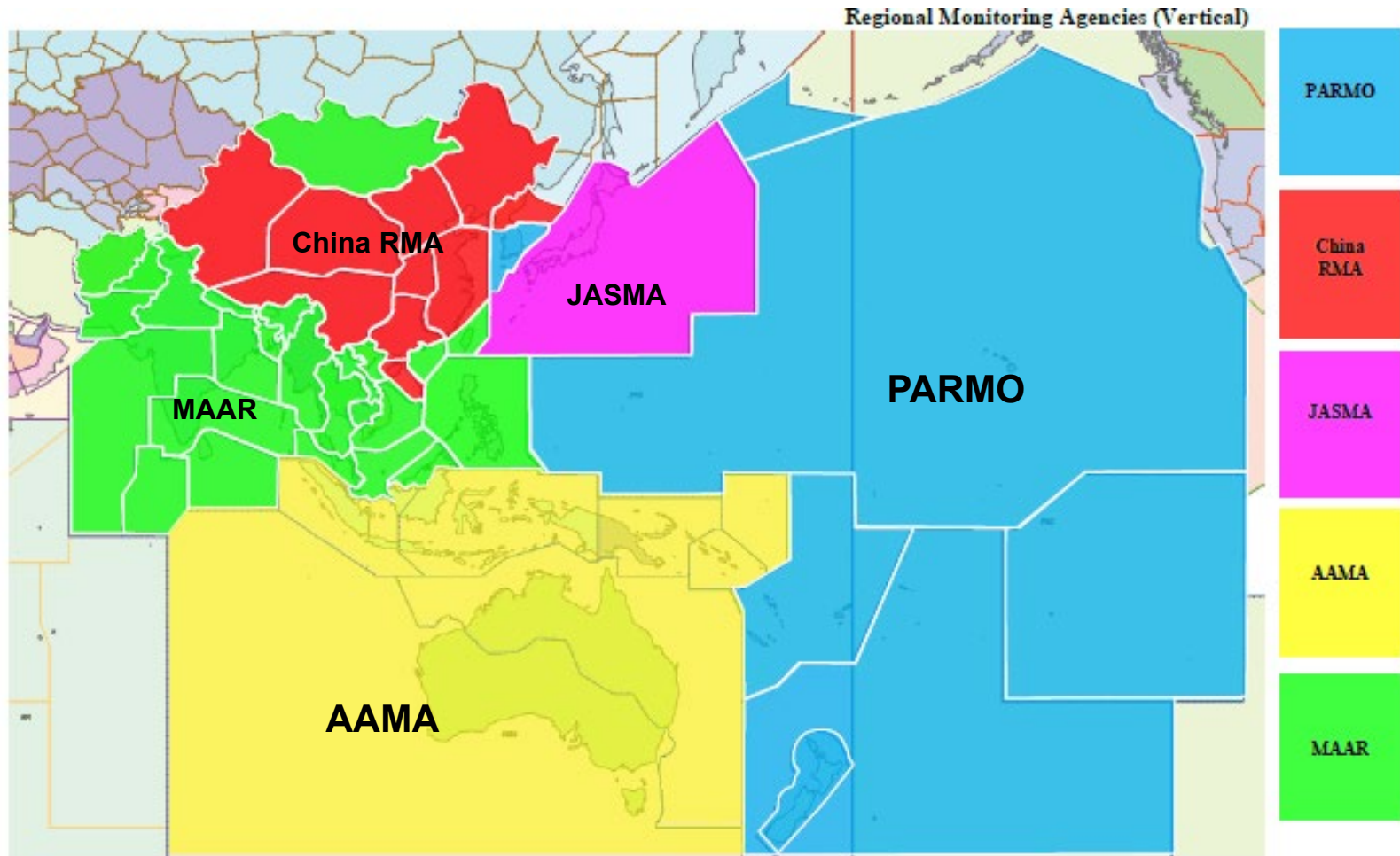
- **Enroute Monitoring Agency (EMA)**

- Supports the continued safe-use of reduced horizontal separation minima (30-NM and 50-NM longitudinal, and 30-NM lateral separation minima)

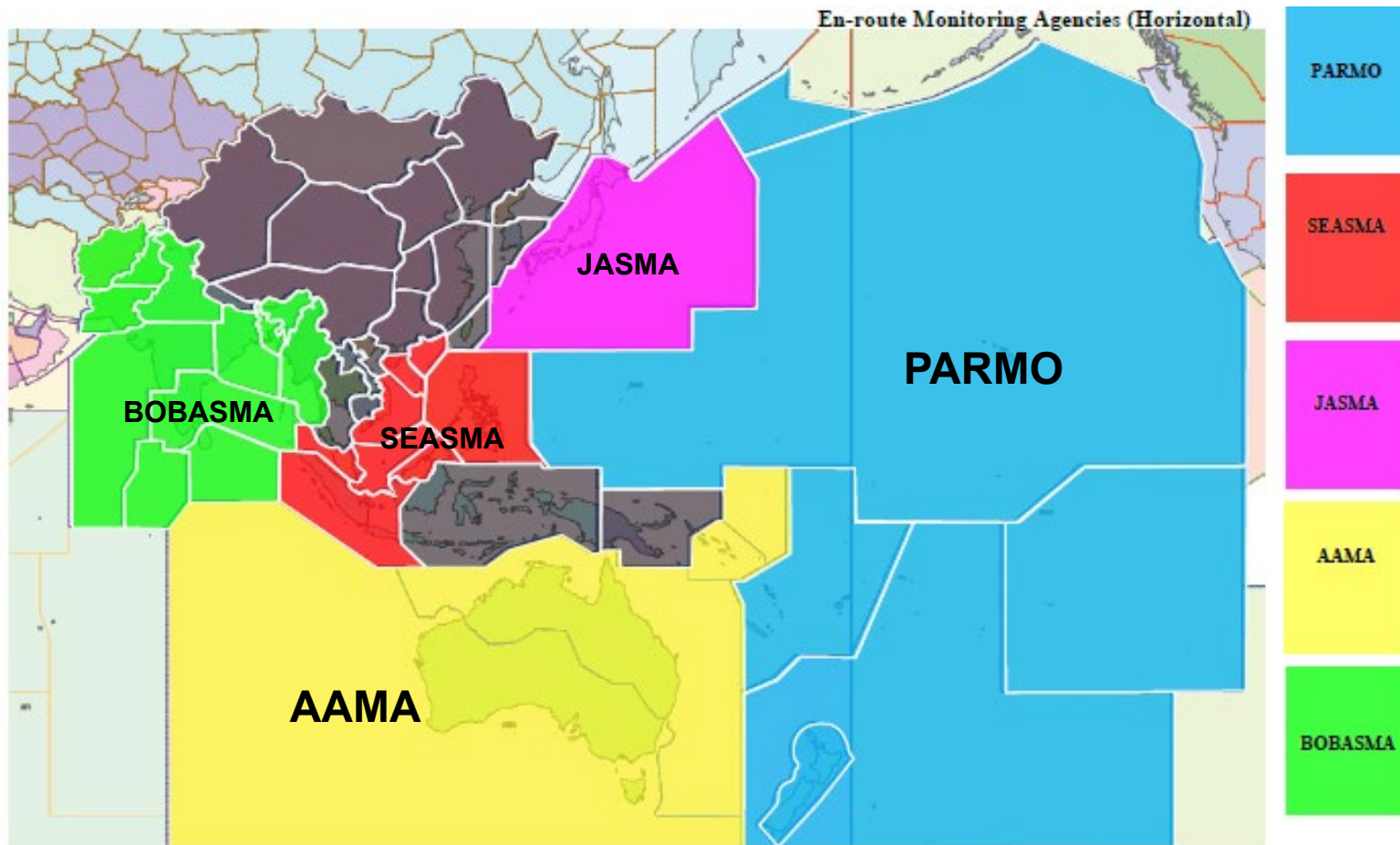
- **The Australian Airspace Monitoring Agency (AAMA) is also an RMA and EMA for South Pacific Airspace**
- **The European (EUR) RMA is the designated RMA for French Polynesia (State), the PARMO is the designated RMA for Tahiti FIR**



# RMAAs for the ICAO APAC Region

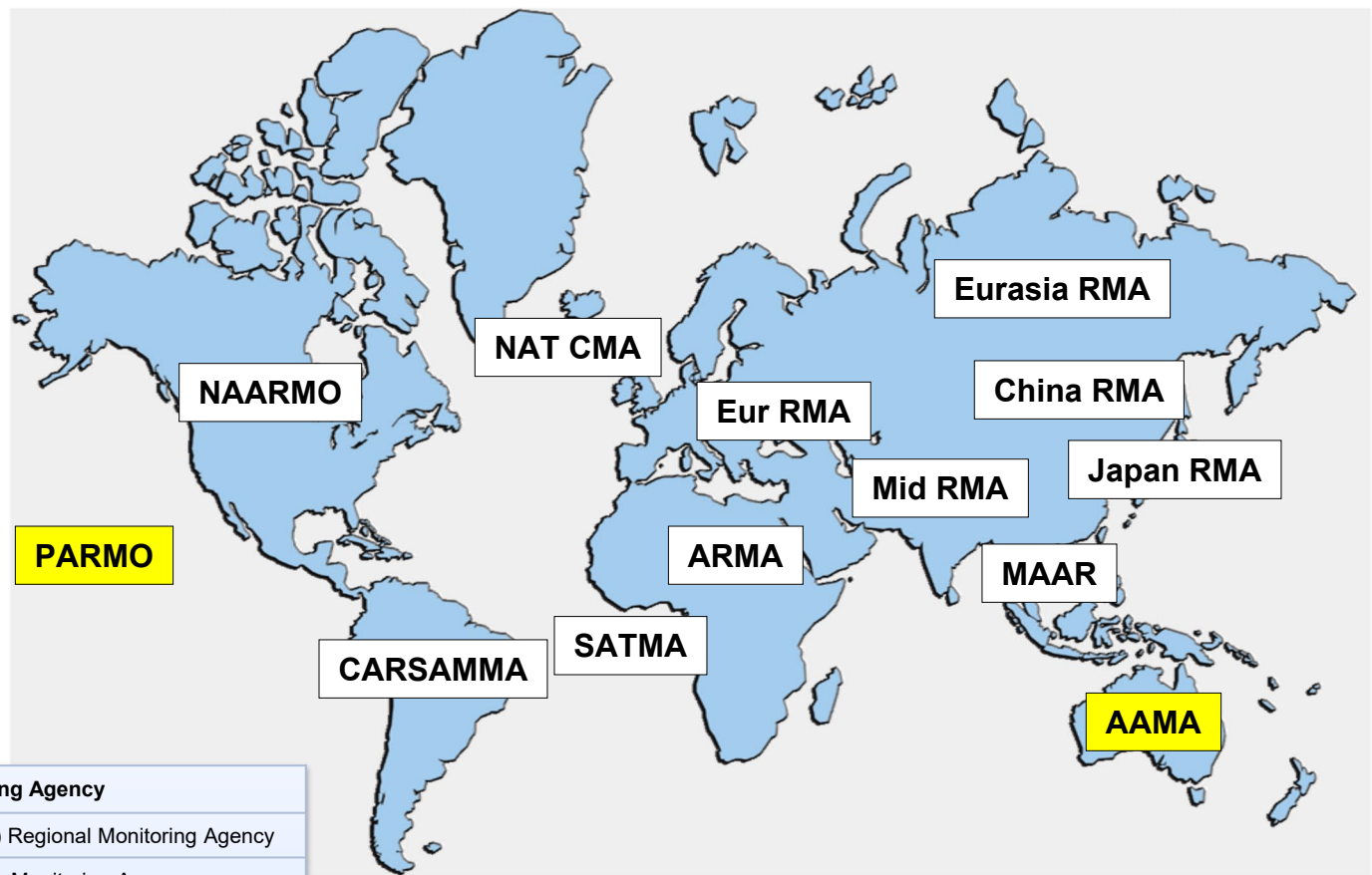


# EMAs for the ICAO APAC Region





# ICAO Endorsed Regional Monitoring Agencies



<b>AAMA</b>	<b>Australian Airspace Monitoring Agency</b>
ARMA	African and Indian Ocean (AFI) Regional Monitoring Agency
CARSAMMA	Caribbean and South American Monitoring Agency
China RMA	China Regional Monitoring Agency
EurAsia RMA	Regional Monitoring Agency Eurasia
Eur RMA	European Regional Monitoring Agency
Japan RMA	Japan Regional Monitoring Agency
MAAR	Monitoring Agency for Asia Region
Mid RMA	Middle East Regional Monitoring Agency
NAARMO	North American Approvals Registry and Monitoring Org
NAT CMA	North Atlantic Central Monitoring Agency
<b>PARMO</b>	<b>Pacific Approvals Registry and Monitoring Organization</b>
SATMA	South Atlantic Monitoring Agency



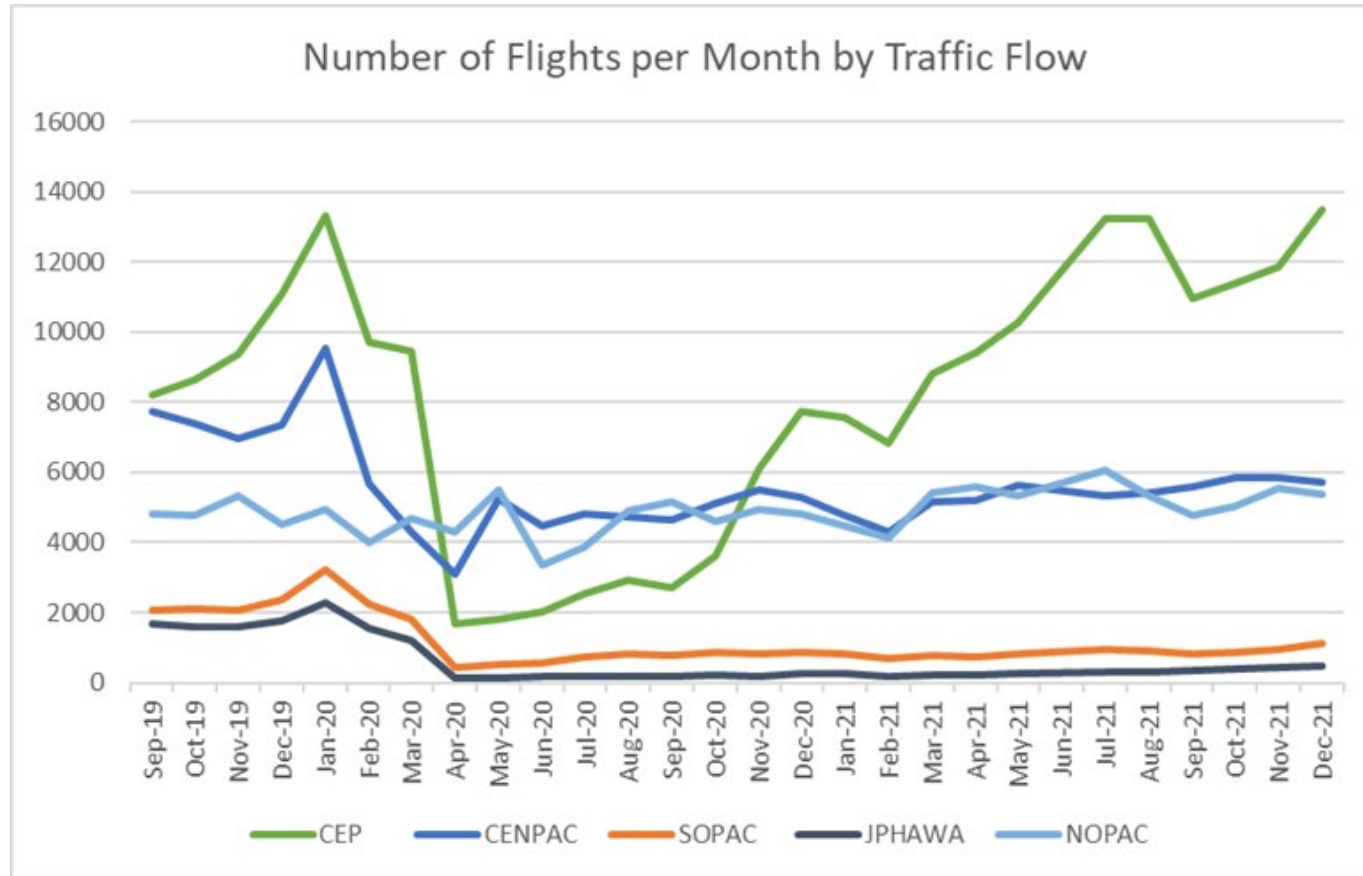
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# Relevant RASMAG/26 Conclusions/Decisions

- **FANS 1/A CPDLC Latency Timer Value**
  - Conclusion RASMAG/26-1
  - States are urged to implement a latency timer value of 300 seconds on a trial basis and report outcomes to FIT-Asia
- **RVSM MMR Update**
  - Conclusion RASMAG/26-2
  - RVSM MMR Update (contained in Appendix C to the RASMAG/26 Report) be utilized by RMAs and States as appropriate



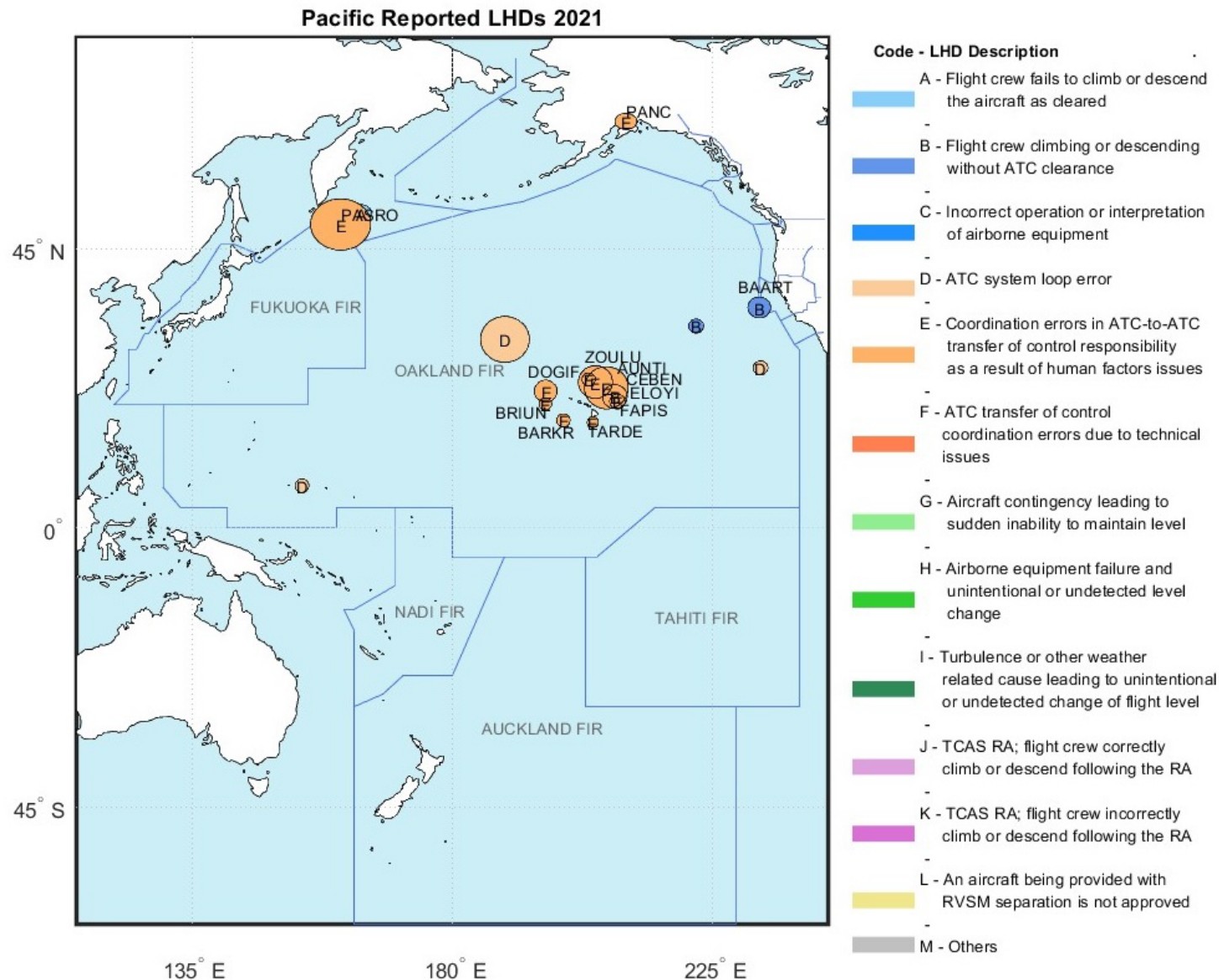
# Numbers of Flight Operations



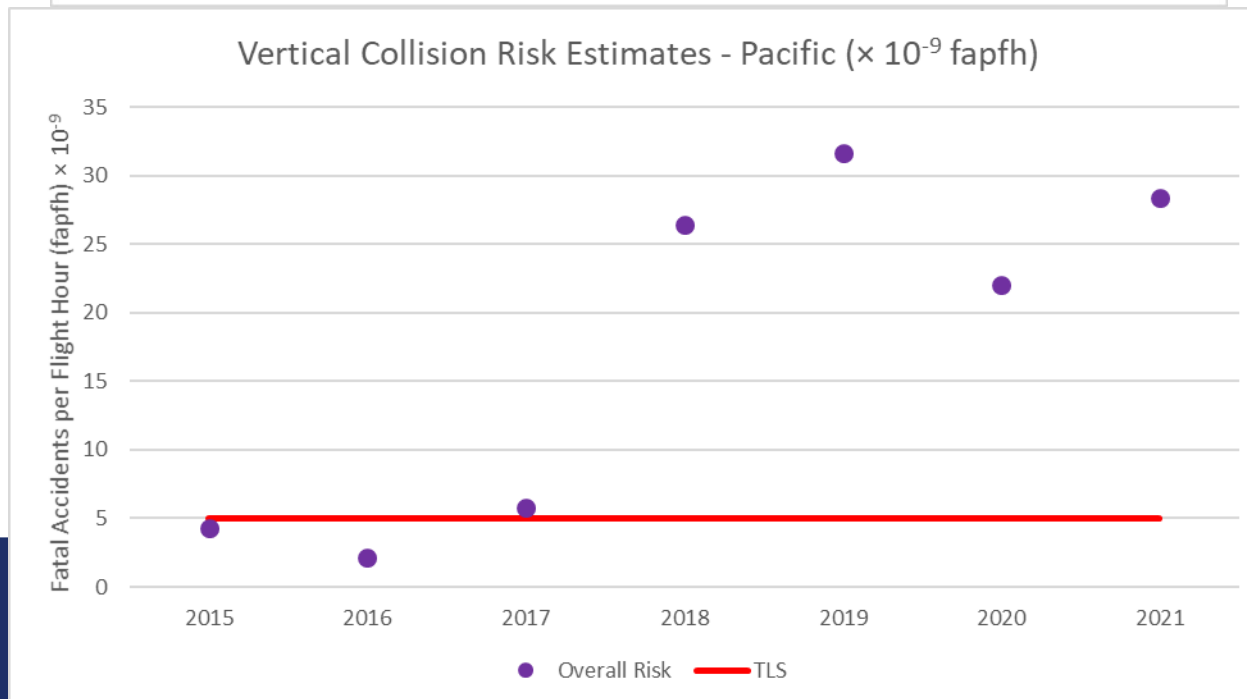
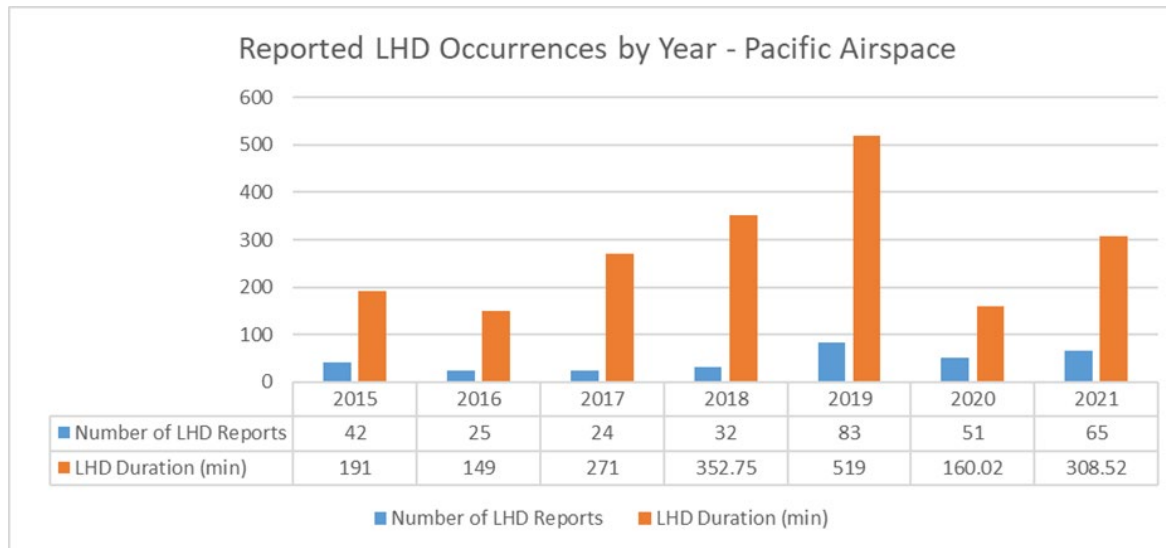


# Vertical Safety Reports to RASMAG/27

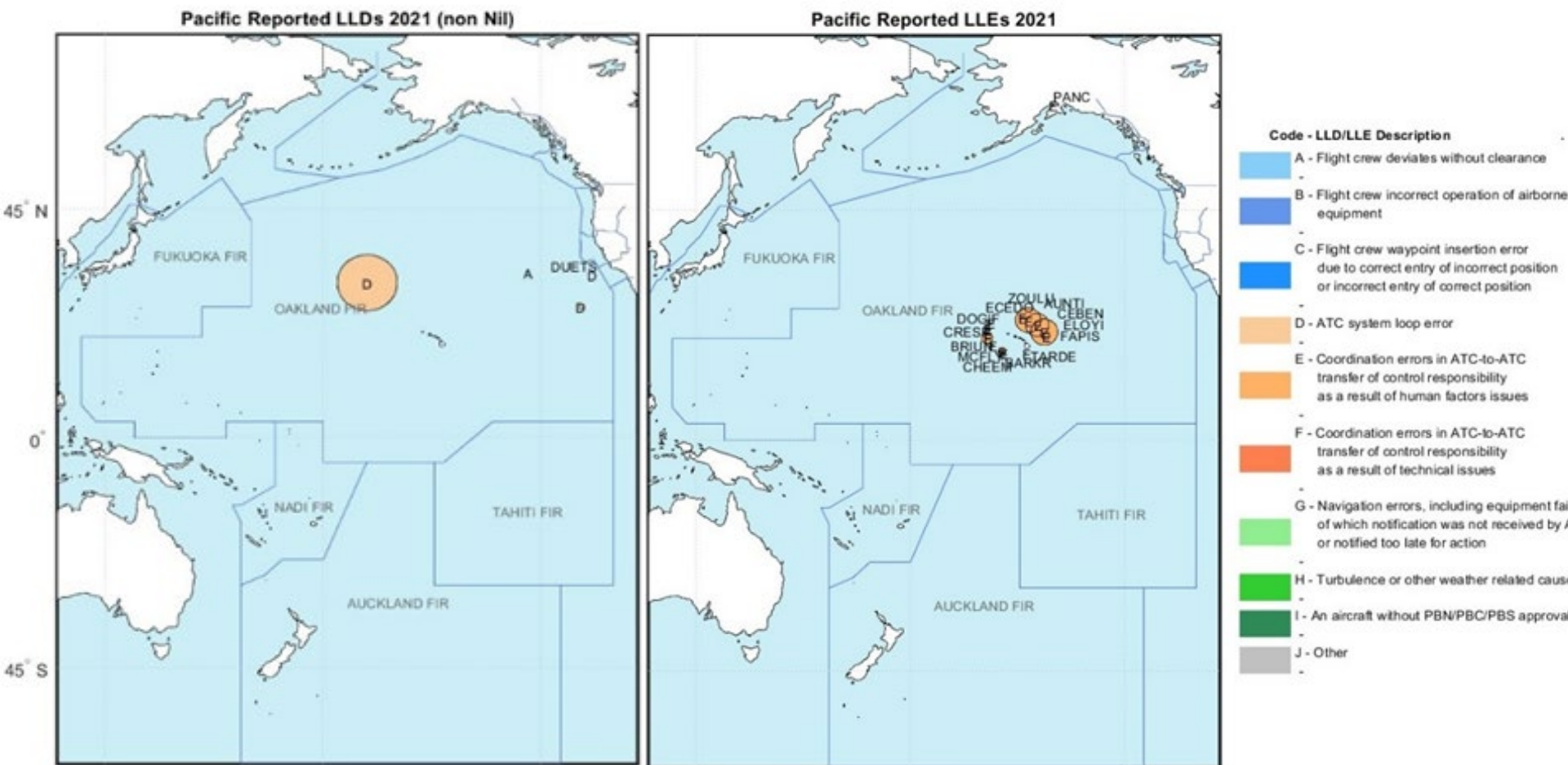
**Most reports were errors in ATC-unit to ATC-unit transitions**



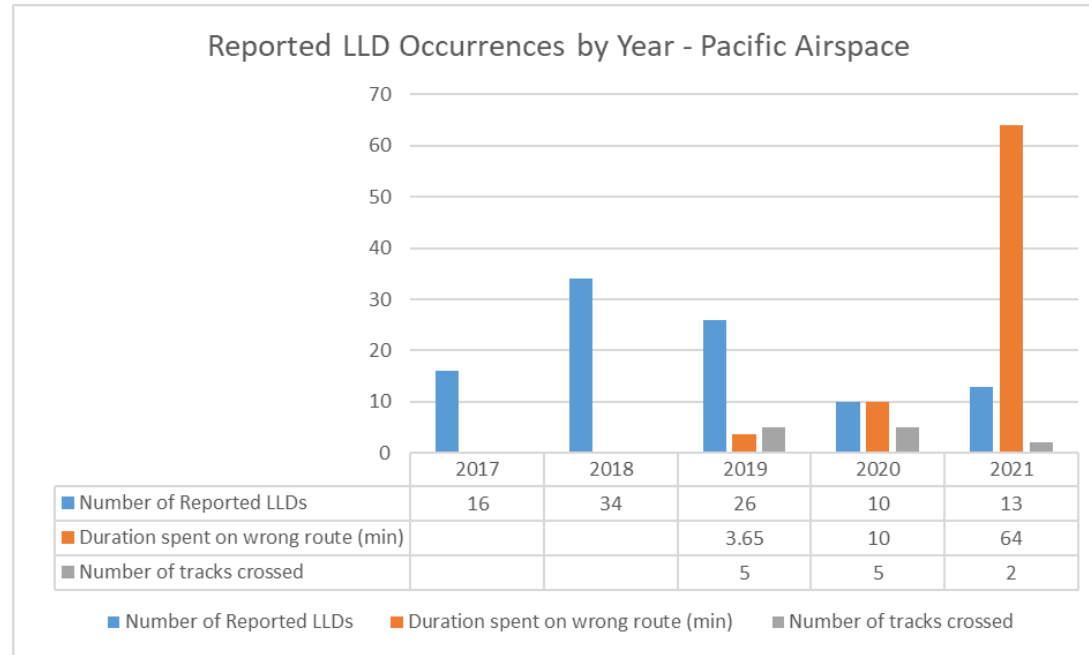
# PARMO Summary of Vertical Collision Risk Estimates



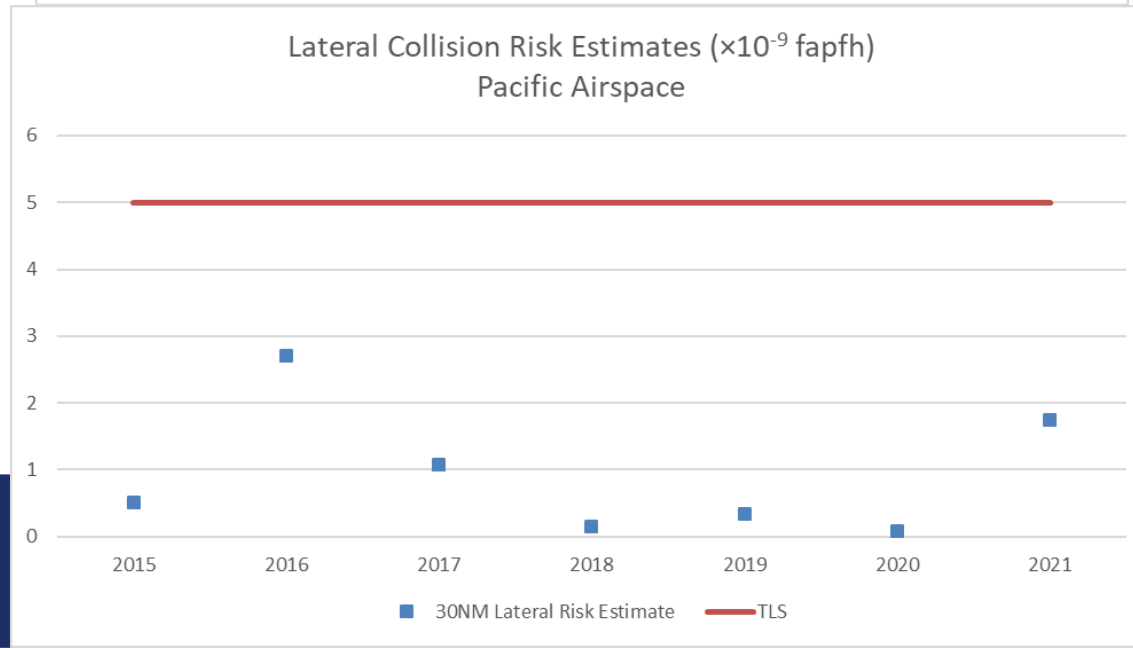
# Horizontal Safety Reports to RASMAG/26



# PARMO Summary of Lateral Collision Risk Estimates

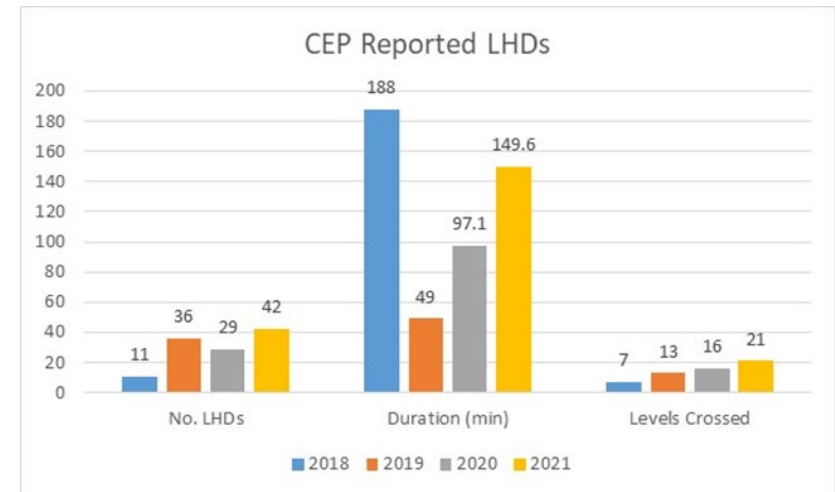
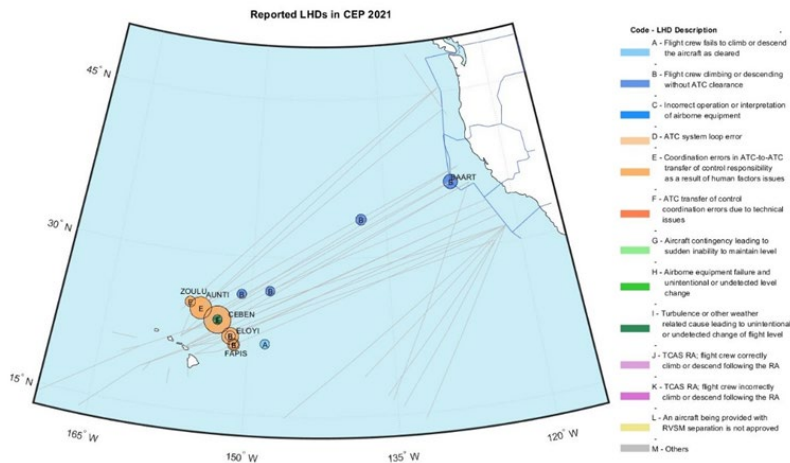


Note:  
Methodology  
for risk  
estimation  
modified in  
2019

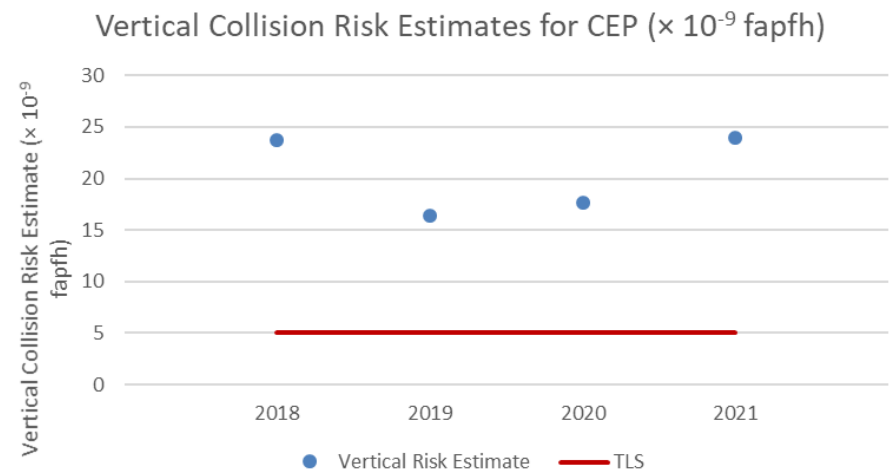


# RASMAG “Hot Spot” Updates

- Hot Spot N, Central East Pacific (CEP) area between North America and Hawaii *[2020 – category E LHDs increasing]*



	2019	2020	2021
<b>Flying hours</b>	425,950	215,009	461,990
<b>Number of flights</b>	115,543	63,661	128,927
<b>% Data link</b>	69.1 %	81.8%	83.8%
<b>% HF (only)</b>	30.9 %	18.2%	16.2%
<b>% RNP4, RCP240, &amp; RSP180 filing</b>	31.4 %	52.2%	69.3%



# Action for the Meeting

- **Ensure that the ANSPs/States**
  - Provide annual traffic sample data to the designated RMA
  - Provide vertical, lateral, and longitudinal occurrence reports to PARMO (internal investigation reports can be attached)
    - Key information for these occurrence reports to help determine underlying causal factors and duration/magnitude
      - Location of the occurrence
      - Summary/narrative
      - Relevant time stamps
      - ADS-C reports
      - CPDLC messages
      - ***Any corrective action/mitigation introduced as a result of the occurrence***





# Questions?

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