FAA Update

Dustin Byerly SM Oceanic Airspace and Procedures March 2, 2015







•http://www.faa.gov/about/office_org/headquarters_offices/ato/artcc/oakland/

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Oakland ARTCC Webpage

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Key Issues			
Air Route Traffic Control Centers (ARTCC)	 Oakland Oceanic Controlled Airspace/Flight Information Region (OCA/FIR) (PDF) 		
Airport Traffic Control Towers (ATCT)	 Oakland ARTCC Oceanic Points of Contact (PDF) User Preferred Route (UPR) Flight planning Guidelines (PDF) Pacific Organized Track System (PACOTS) Guidelines (PDF) Track Advisory User's Guide for Dispatchers (PDF) Central East Pacific (CEP) Routes Guidelines (PDF) 		
Terminal Radar Approach Control Facilities (TRACON)			
News	Oakland Oceanic CPDLC (PDF) Cuam Area Professorial Politicae (PDF)		L
Acquisition and Business Service	Guam Area Preferential Routings (PDF)		
Key Officials	Pacific Meetings		
National Airspace Redesign	Informal Pacific Coordinating Group (IPACG) Informal South Pacific Coordinating Group (ISPACG)		
Operations Planning	Oceanic Workgroup Meeting (OWG)		
Programs			

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ADS-C CDP DAL1151 N394 ADS-B ITP



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March 2-6, 2015



Oakland FIR DARP Usage



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Dynamic Airborne Reroutes

•DARP Procedure requires AIDC.

•AIDC is required between all facilities to destination.

•Do not request a DARP Reroute into FIRs that do not support the procedure.





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Boundary Change with Anchorage ARTCC



April 2015

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ZOA Flights & Equipment Utilization



March 2-6, 2015

Administration

2014 Island Departure Delays



Overall average flight delay was less than a minute

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2014 Island Departure Delays



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Space Based ADS-B Surveillance

•The FAA is also investigating the feasability of Space Based ADS-B Surveillance. In conjunction with CPDLC the possibility exists to greatly reduce separation standards



ZOA

Tailored Arrival Clearances





KSFO Tailored Arrivals

- A new RNAV PIRAT1 STAR is being developed to mirror the KSFO Pacific 2 TA.
- The PIRAT1 STAR would provide an OPD for non FANS aircraft.
- The Target Date for implementation December 2015.





Mazatlan ACC

- FAA working to establish an AIDC connection between Oakland and Mazatlan. March of 2015
- Mazatlan announced they are working to convert their Class G Airspace to Controlled Airspace.



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Impacts From Missile Defense Testing





Impacts From Missile Defense Testing





Volcanic Ash & PACOTS Generation





Volcanic Ash & PACOTS Generation (IPACG)

- In the event of an Ash Plume:
- Teleconference with International dispatchers
- Reach Agreement on the affected airspace
- When there is no agreement on affected airspace but credible evidence exists that the PACOTS will be affected by the Ash Plume, the PACOTS will be moved so that they are clear of the Ash Plume.
- This is a more conservative approach that keeps aircraft clear of volcanic ash.
- Operators that have completed their SMS analysis and determined that there is no risk could flight plan a route through the affected area.
- ATC would give advisories as required.



ICAO Annex 2 3.6.2.2 change

- 3.6.2.2 Inadvertent changes. In the event that a controlled flight inadvertently deviates from its current flight plan, the following action shall be taken:
- a) Deviation from track: if the aircraft is off track, action shall be taken forthwith to adjust the heading of the aircraft to regain track as soon as practicable.
- b) Variation in true airspeed: if the average true airspeed at cruising level between reporting points varies or is expected to vary by plus or minus 5 per cent of the true airspeed, from that given in the flight plan, the appropriate air traffic services unit shall be so informed.
- c) Change in time estimate: if the time estimate for the next applicable reporting point, flight information region boundary or destination aerodrome, whichever comes first, is found to be in error in excess of 2 minutes from that notified to air traffic services, or such other period of time as is prescribed by the appropriate ATS authority or on the basis of air navigation regional agreements, a revised estimated time shall be notified as soon as possible to the appropriate air traffic services unit.
- 3.6.2.2.1 Additionally, when an ADS agreement is in place, the air traffic services unit shall be informed automatically via data link whenever changes occur beyond the threshold values stipulated by the ADS event contract.

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Oceanic Navigation Error Reporting

- FAA requires reporting of Oceanic Navigation Errors:
 - GNE (Gross Navigation Error) 25nm or more.
 - Intervention: Aircraft on different route than ATC.
 - Height Error: 300 feet or more.
 - Time Errors: Pacific = More than 3 minutes
- ONER Reports are forwarded to:
 - Flight Standards
 - Technical Center, Airspace Safety Calculations.
- Oakland has automated Time Error tracking and reporting.



ONER Time Errors



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Port Moresby 50nm RNP10 Lateral Separation

Investigating New Routes
D50 Longitudinal Separation





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