

# FAA PACOTS Generation

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# DOTS+ Track Generation System

- **The FAA utilizes their DOTS+ system to generate the Westbound PACOTS Routes.**
- **Oakland ARTCC TMU utilizes the 0000 UTC upper wind forecasts to generate the Westbound PACOTS.**
- **Dynamic Ocean Tracks System Plus (DOTS+) utilizes the B744 aircraft model to generate the daily PACOTS Routes.**



# IATA Request

- **IATA requested that the FAA:**
- **Utilize the 0600 UTC Upper wind forecasts to generate the Westbound PACOTS Tracks, and:**
- **Utilize an aircraft type predominantly used in the airspace, i.e modern twin-engine wide-bodied variants.**



# IATA Request

- **Based on IATA's request, the FAA is studying the operation and considering alternative solutions.**
- **PACOTS are slowly being replaced with UPRs**
  - 19 of 22 Published PACOTS Tracks have alternate UPR procedures.
  - In most cases, operators have the option of flight planning a UPR instead of the published PACOTS Track.
- **Creating new efficient aircraft types in DOTS+ is costly for PACOTS Tracks in which most operators could flight plan a UPR as an alternative.**
- **For Oakland to utilize the 0600 UTC wind forecasts, TMU staffing would have to be extended to cover at least part of the mid-shift.**
  - Oakland TMU does not have enough personnel to accomplish this.

# IPACG Coordination

- The FAA has been in discussions with JCAB regarding IATA's request and PACOTS route generation.
- JCAB's OTG system already has the capability of using modern twin-engine wide-bodied variants.
- JCAB and the FAA (using the 0600 UTC winds) require that the PACOTS are generated on the mid-shift.
- The FAA and JCAB are looking at ways to optimize PACOTS generation

# IPACG Coordination

- **The FAA has requested that JCAB consider:**
- **Generating the PACOTS routes in both directions.**
  - This option would solve both of IATA's requests to the FAA regarding DOTS+.
- **If the first alternative above is not viable, consider changing the PACOTS direction that each country is generating. Oakland would generate the Eastbound PACOTS instead of the Westbound PACOTS.**
  - This option would solve the 0600 UTC Upper Winds forecast issue.
- **JCAB is studying the FAA proposals and the alternatives will be discussed at the next IPACG meeting.**

**Thank you**

**Comments?**

**Questions?**



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