



# Review of the Washington RTH/IROG/RODB with respect to AMHS and IWXXM

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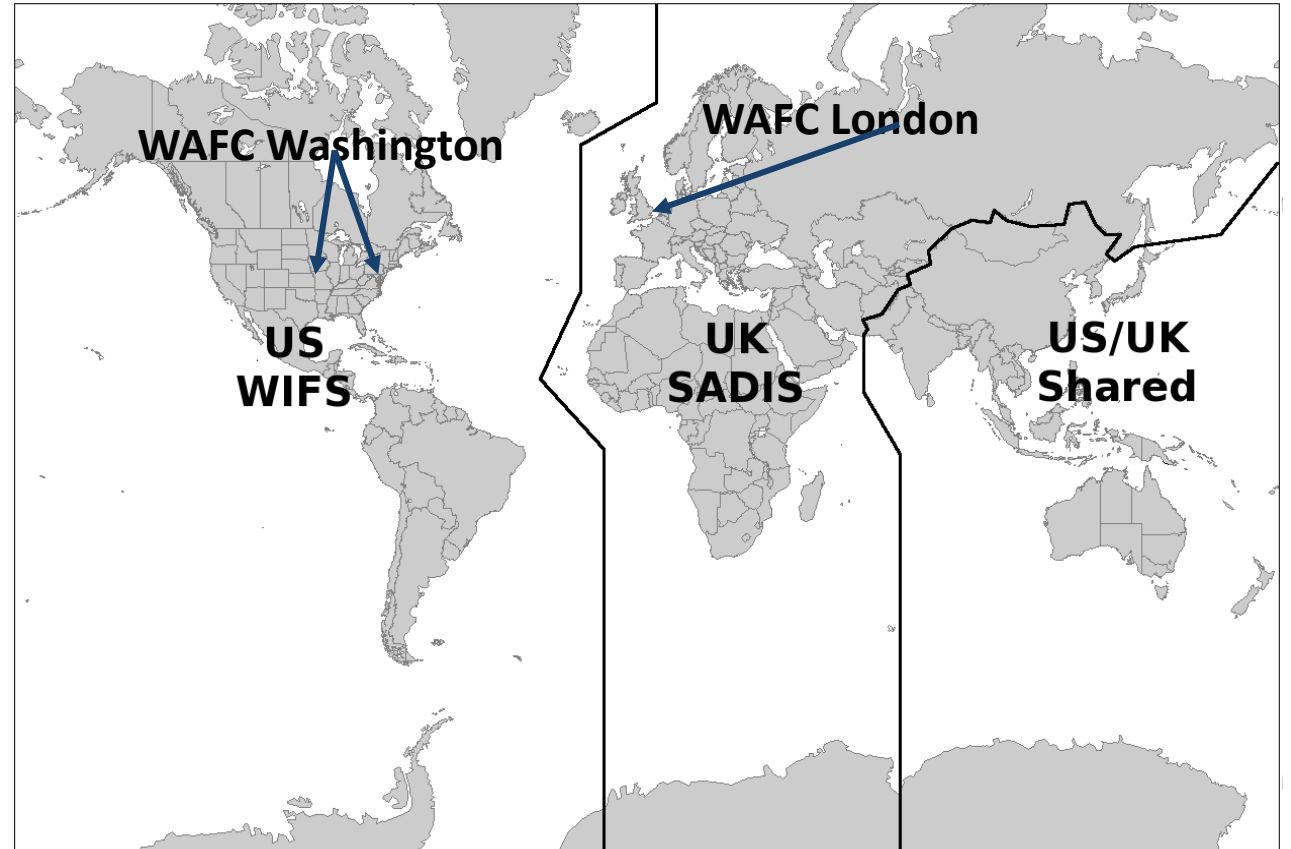




# How does it all work?



- The Washington Inter Regional Operational Gateway (IROG) supports one of two World Area Forecast Centers (WAFCs).
- The Washington IROG is tasked with warehousing the world's OPMET, e.g., METAR/SIGMET/TAF. This is done using AFTN and AMHS.
  - But only AMHS for IWXXM due to data size constraints
- This means that RA IV GIFS gets its OPMET data from the Washington IROG.
- Our regions Met offices can get the OPMET data by applying to the WAFAC Internet File Service (WIFS), or by using one of several vendor workstations that use WIFS for all OPMET.
- Some offices use the Electronic Data Information Service (EDIS) to submit their OPMET to the Washington IROG via email.
- The Washington IROG receives OPMET from our region, databases it, and sends the OPMET back to the world using AFTN/AMHS addressing.



- **WAFAC Washington** (NOAA/NWS Aviation Weather Center and NWS Central Operations)
  - WAFS Internet File Service (WIFS)
- **WAFAC London** (UK Met Office)
  - Secure Aviation Data Information Service (SADIS)



# What is AFTN/AMHS routing?



- 8 letter addresses that Air Traffic Facilities and Met offices use to get specific OPMET for their location and interest.
- For example, FTCR31LEMM is a TAF collective from Spain. The Washington IROG receives the TAF collective from the London IROG.
- FTCR31 LEMM 021400
- TAF GCLP 021400Z 0215/0315 03016KT 9999 SCT030 TX21/0314Z
- TN18/0306Z PROB40 TEMPO 0309/0314 4500 RA BKN014=
- TAF GCRR 021400Z 0215/0315 05016KT 9999 SCT040 TX24/0314Z
- TN17/0306Z TEMPO 0219/0309 01006KT PROB30 TEMPO 0303/0309
- RA=
- Plus other locations...in this case lets look at TAF GCLP Gran Canaria Airport, also known as Gando Airport, located in the Canary Islands, Spain.



- The Washington IROG has a routing table that has thousands of entries like the WMO ID from the previous slide. This particular entry looks like the following in that routing table:
- FTCR31 LEMM GG MDSDYMYX MKJPYMYX MMMXYMYX MUHAYMYX TTPPYMYX
- Where GG is the routing priority and the Spanish TAF GCLP plus other Spanish TAFs are being sent to the following facilities by the Washington IROG:
  - MD...Dominican Republic
  - MK...Jamaica
  - MM...Mexico
  - MU...Cuba
  - TT...Trinidad and Tobago



# Let's address our challenges



- The Washington IROG has routing tables for the Traditional Alpha-numeric Code (TAC), but not for IWXXM.
- IWXXM routing tables for the NACC need to be developed.
- A process to collect and update IWXXM additions and submit changes to the Washington IROG is essential.
- A proposed method could be a Meteorological Notification (METNO) which can be found in the Information Paper (IP) titled Notification of Changes in Operational Weather Information.
- Some Met Services may need help for TAC to IWXXM translation, needs to be addressed.



- The Washington IROG has begun some testing with other partners in the region
  - Brazilian IROG
  - Cuban Met Service
  - London IROG
  - Canadian Met Service
- More testing will continue for early 2026. This will establish a timeline for moving forward.



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# Additional Information



Additional information can be found in the Information Paper (IP) titled *World Area Forecasts System (WAFS) Update* for the NACC/WG/10 Meeting



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Thank you

Any questions?

