

Air Traffic use of Aviation WX Products

Presented to: **Hawai'i – Pacific Aviation Weather Safety
Workshop 2023**

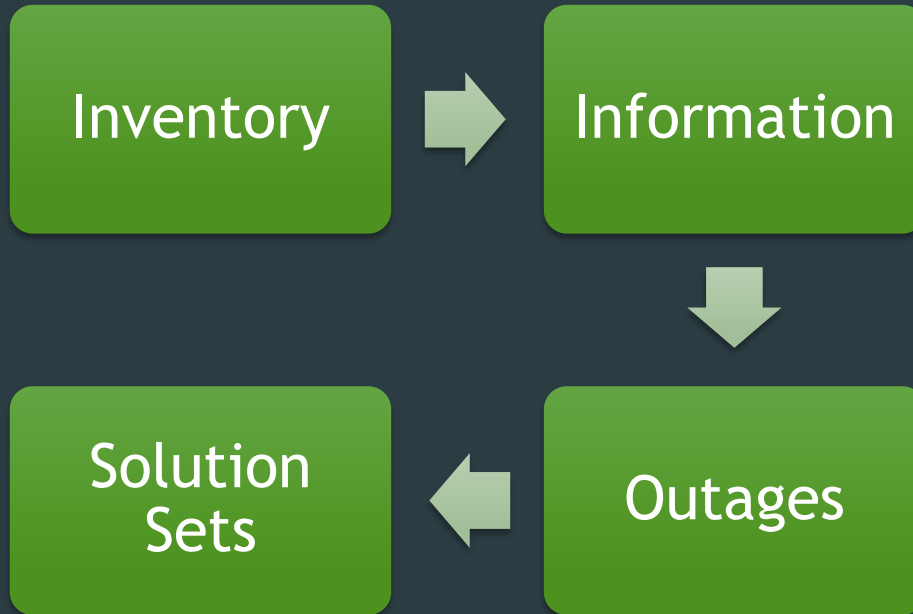
By: **John Wennes, TMO, Air Traffic
Victoria Wei, HNL DM, Tech Ops**

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Weather Equipment - Kona, Lihue, Moloka'i, Hilo, Maui



Inventory

- ▶ Automated surface-observing systems (ASOS)
 - ▶ Lihue, Maui, Kona, Hilo
- ▶ Automated Weather Observing System (AWOS-C)
 - ▶ Kapalua, Hana, Lanai
- ▶ Weather and Radar Processor (WARP)
- ▶ Weather System Processor (WSP)
- ▶ Stand Alone Weather Sensor (SAWS)
- ▶ Wind Equipment F-400 (WEF)
- ▶ Next Generation Weather Radar (NEXRAD)
 - ▶ Culmination of Doppler Radars - Kauai, Molokai, Big island (two)



ATC Uses - Information provided to pilots

- ▶ Wind
- ▶ Visibility
- ▶ Sky Conditions
- ▶ Temperature / Dew Point
- ▶ Altimeter
- ▶ Remarks



Consequences of ASOS outages

- ▶ Delayed flights
- ▶ Cancelled flights
- ▶ Passengers stranded without accommodations
- ▶ Crew rest violations



Solution Sets

- ▶ Newly established LOA between FAA and NWS (May 2023)
- ▶ FAA Facility (Hilo and Maui) augment observation with staffing
- ▶ Reimbursable agreements between FCT's and State
 - ▶ Currently in place at Lihue
- ▶ Alternate weather observers to augment observations (after ATC closes)
- ▶ Increase spare parts inventory
- ▶ New Equipment - AWOS - C
- ▶ Alternatives ??



Comments/Questions...

- ▶ Victoria Wei - Honolulu District Manager for Technical Operations
 - ▶ victoria.wei@faa.gov
- ▶ John Wennes - Traffic Management Officer - Hawaii / Guam
 - ▶ john.h.wennes@faa.gov



Thank you!



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