



ICAO BANGKOK

UNITING AVIATION



# Coordination challenges between MET and ATM in Pacific Island

Presented by  
Mauna Eria (Quality Assurance Officer)  
Kiribati Meteorological Services

MET/ATM Seminar

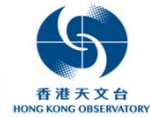
22 April 2024





ICAO BANGKOK

UNITING AVIATION



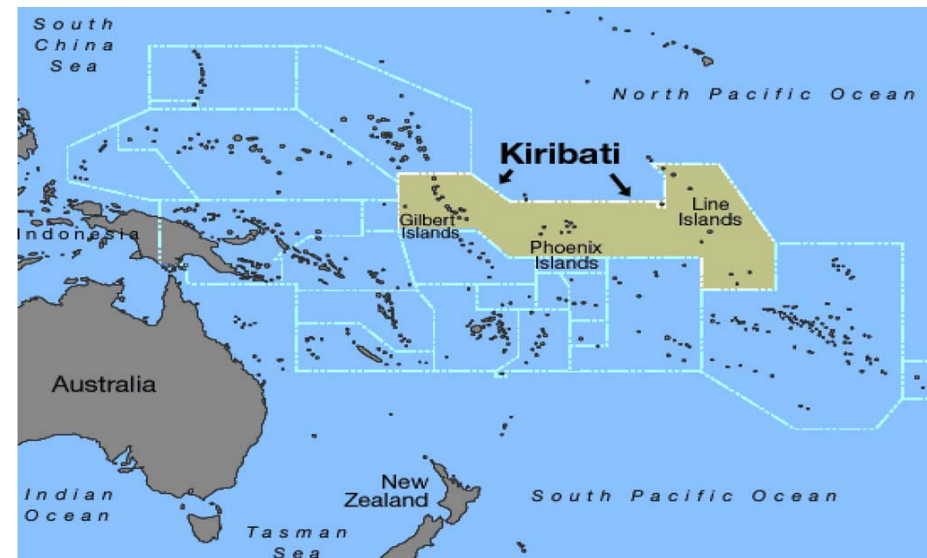
# Outline

- Background and History
- Coordination Process
- Challenges and gaps
- Issues with other Pacific Island states
- Way forwards



# Background & History

- Kiribati Met Service hosted under Office of the President, and Air e Traffic Service is under Ministry of Information, Communication and Transport.
- Kiribati have two operational International Airports (NGTA & PLCH) and more than 20 operational domestic airport across Pacific Ocean.





# Background & History

- Support for outer island domestic flight are limited by observation network:
  - Only a few manual MET observation stations; and
  - automatic weather stations
- Meteorological observation station at NGTA started operations in 2016 while PLCH has been operating for more than 10 years
- 33 Islands scattered over vast ocean, 2 FIR (NGTA under Fiji and PLCH under Oakland USA)





# Current coordination process

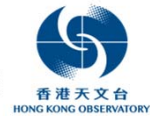
- Communication channels
  - via phone calls and emails.
  - use Gmail chats to follow up
- ATS responsible to check emails for update
- Validation of METAR/SPECI sent using OGIMET/METCONNECT website.





ICAO BANGKOK

UNITING AVIATION

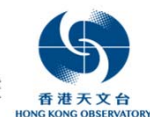


# Challenges and gaps

- Purpose of Manned and AWOS – Especially METAR/SPECI and LAND/TAKEOFF
- Mismatch weather observation report
- Visibility reference points or markers in open ocean.
- Maintenance of AWOS system since installation was done by AIRPORT rather than MET SERVICE
- Lack of communication and issues with transmission of full METAR report – except severe weather
- Lack of internal communication system MET and ATS – example AFTN
- Lack of system for quality checks and control
- Security
- Infrastructure
- Equipment and spare part depends on donors



ICAO BANGKOK UNITING AVIATION



# Similar Issues with other Pacific Island States



ICAO BANGKOK

UNITING AVIATION



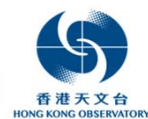
# KMS way forward

- Certification – Part 174 and ISO 9001
- Support in strengthening Service Letter of Agreement – SLA for KMS and ATS
- Support in Cost Recovery – Met infrastructure and Equipment
- Communication channel to enhance dissemination of Meteorological Information to ATS.
- Support ongoing & establishment of Meteorological Aviation Management Committee -MAMC



ICAO BANGKOK

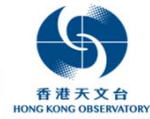
UNITING AVIATION



# Thanks



ICAO BANGKOK UNITING AVIATION



ICAO

North American  
Central American  
and Caribbean  
(NACC) Office  
Mexico City

South American  
(SAM) Office  
Lima

ICAO  
Headquarters  
Montréal

Western and  
Central African  
(WACAF) Office  
Dakar

European and  
North Atlantic  
(EUR/NAT) Office  
Paris

Middle East  
(MID) Office  
Cairo

Eastern and  
Southern African  
(ESAF) Office  
Nairobi

Asia and Pacific  
(APAC) Sub-office  
Beijing

Asia and Pacific  
(APAC) Office  
Bangkok



THANK YOU