



SP005 to ICAO APAC MET-IMP Workshop



Governance of Meteorological Service for International Air Navigation

Tonga Meteorological Services & Civil Aviation Office



Tonga Country Report





Content



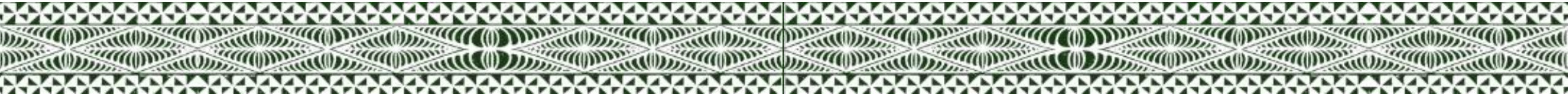
Tonga Aviation MET Framework

**Tonga Long-standing aeronautical meteorology
deficiencies**

174 Application Status and Progress

Aeronautical Meteorological Advancements

Challenges / Way Forward





Tonga Aviation Meteorology Framework



Legal Basis: Civil Aviation Act 2014 & Meteorology Act 2017

1. Aeronautical Meteorological Authority (Regulatory)

Entity: Director of Civil Aviation

Role: State authority for oversight and safety.

Key Functions: Ensures ICAO Annex 3 compliance, issues Part 174 Certification, governs air navigation safety.

2. Meteorological Service Provider (Operational)

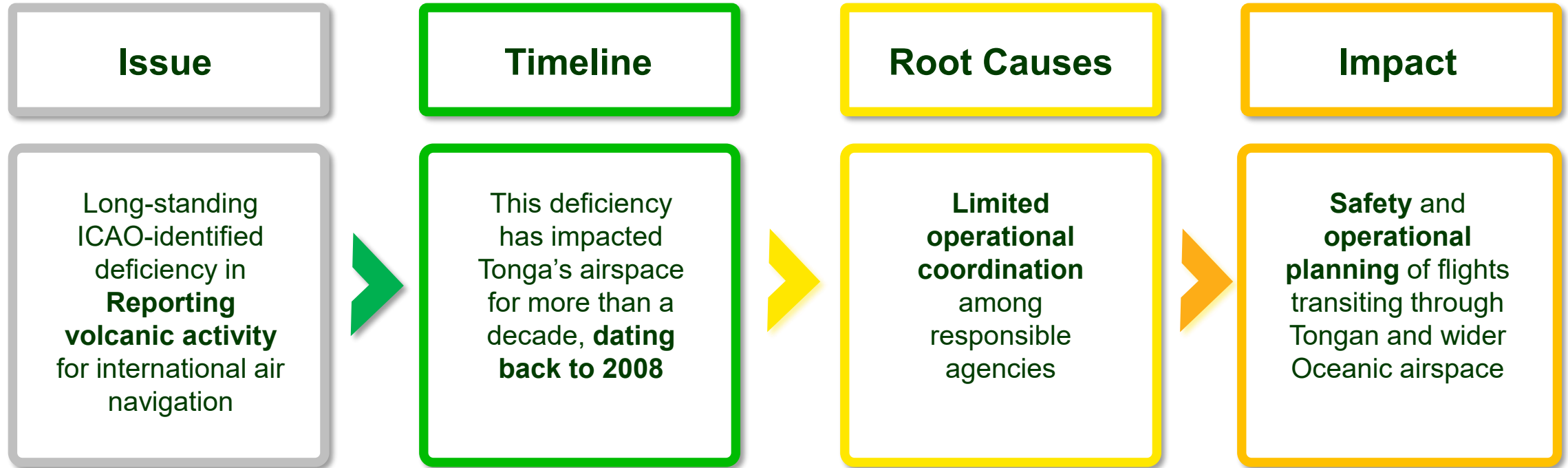
Entity: Tonga Meteorological Service (TMS)

Role: Technical body providing operational weather services.

Key Functions: Generates METAR/SPECI and TAF, issues SIGMETs/aviation weather warnings, maintains aerodrome weather sensing equipment.

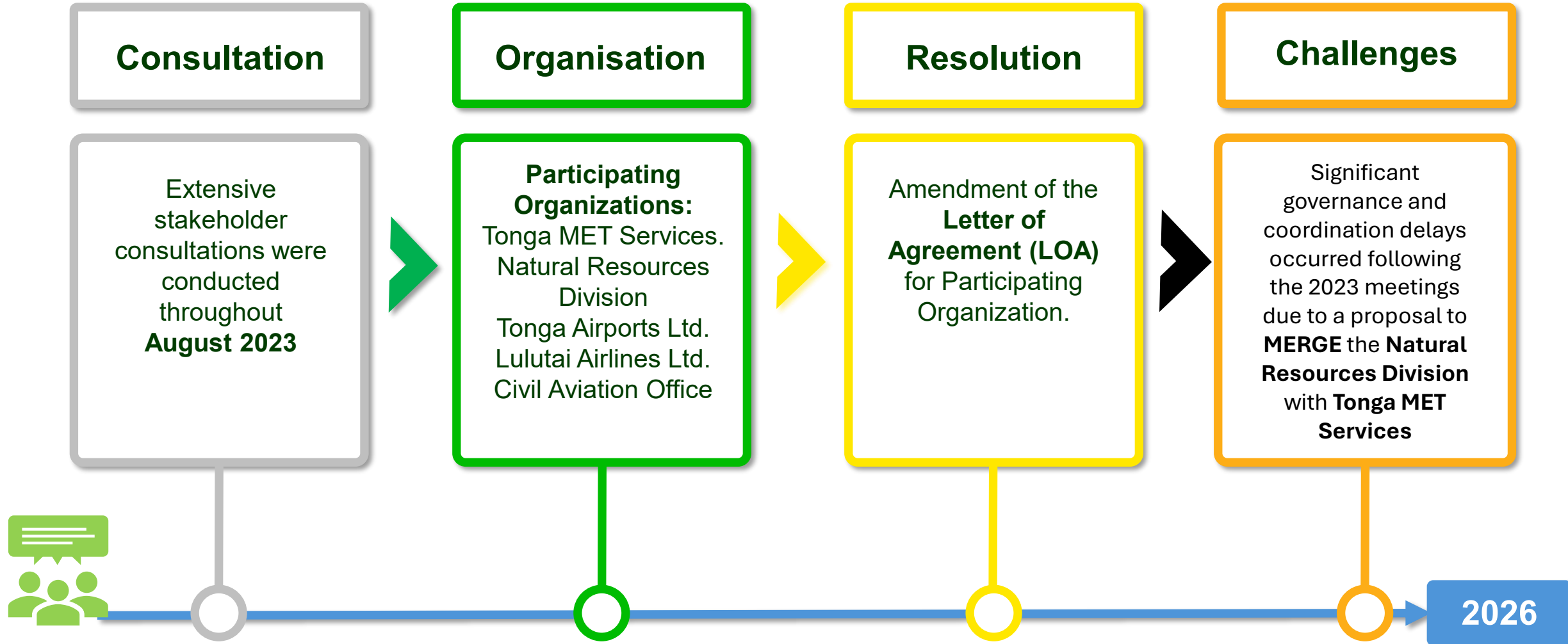


Tonga Deficiency: Background





Tonga Deficiency: Coordination





Tonga Deficiency: Resolution



Figure 2, 3, 4 & 5: The official signing and endorsement of the Letter of Agreement. Clockwise from the top left: Acting CEO of the Tonga Airport Ltd, Mr. Leonaitasi Taukafa, Lulutai Airlines CEO Mr. Clive Fua, and the Acting CEO of the Ministry of Lands, Survey, Spatial Planning and Natural Resources, Mr. Siale 'Eti Teumohenga and the CEO of MEIDECC, Mr. Sione 'Akau'ola.



Resolution

Formal LOA endorsed and signed by all relevant agencies as of early 2026 on 31st March.



2026





174 Certification Application

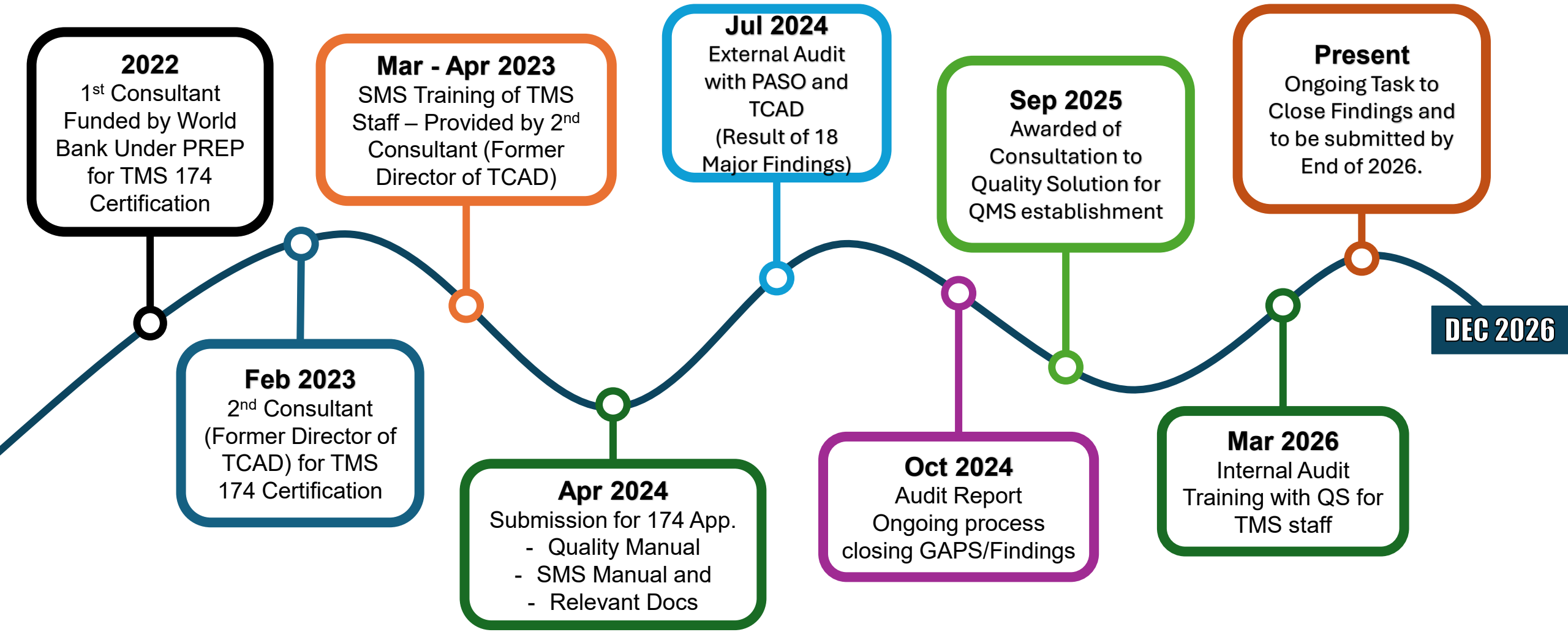




Figure 1: Deputy Director (Mr. Laitia Fifita) submitting Documentation for 174 Certification from Tonga Civil Aviation Division.



Figure 5: Internal Audit Training for TMS staff conducted by Quality Solution (Trainer - Dior).



Figure 1: Vava'u Meteorological Staff SMS Training with Mr. John Wycliff H... credit: Viliami Fa'anunu (Chief Quality Officer/MF...)



Figure 1 Entry meeting at Fua'amotu Met office



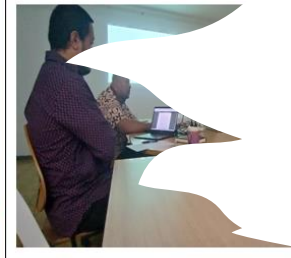
Figure 2 Inspection of Met Facilities at Fua'amotu Aerodrome



Figure 3 Inspection of iv...



Figure 4. At the weather observation workstation



Our Journey towards Part 174 Certification



Aeronautical Meteorological Advancements



Building & Infrastructure



- Completed
- Funded by World Bank
- Commissioning date TBC

System Upgrade



- New ICT System & Network
- Back up by TBC & Vava'u
- Ongoing progress of WIS2.0 installation

New AWOS



- Funded by DFAT
- Installation and systems supplied by Campbell Scientific
- For NFTF & NFTV





Challenges - Way Forward



Challenges

Way Forward

Shortage of qualified Aeronautical MET Inspectors

Need more MET Aviation weather service Staff

Shortage of MET Technical Staff

Absence of Quality Management Systems (QMS) for both the Regulator and Service Provider

High costs associated with acquiring and maintaining meteorological systems, technologies, and infrastructure

Implement regional inspectorate training programs for MET Inspectors.

Increase workforce (MET officers and technician)

Develop and implement QMS (in progress)

Complete necessary Corrective Actions to achieve Certification under Civil Aviation Rule Part 174.

Establish a cost recovery mechanism.

Promote close cooperation with national, regional counterparts and donor partners in the Aviation and Meteorology sectors.



MALO 'AUPITO!

