

Telecommunications

Chuuk State, FSM



Why VHF Radio Communication & Repeaters Are Important

- Serve as a reliable primary communication method during emergencies and disaster response, enabling clear exchange of critical information across islands and remote locations.
- Repeaters extend signal coverage and strengthen transmission range, connecting isolated communities that cannot be reached by direct radio links, ensuring no area is cut off from support.
- Allow seamless coordination between local authorities, relief teams, and community members to organize rescue operations, deliver aid, and share safety updates.
- Operate independently of other infrastructure, making them a vital backup when power grids or mobile networks fail.

Impact of the Typhoon on VHF Radio Systems (Chuuk State)

- Many VHF radio units and stations were damaged or destroyed, causing significant gaps in coverage and loss of communication links across large parts of the state.
- Power supply failures left operational repeaters and radio equipment unable to function, further reducing communication capacity.
- Physical damage to communication towers, antennas, and related components disrupted signal amplification and transmission, limiting effective communication range.
- The loss of these systems severely slowed initial emergency response efforts, as coordination and information sharing became difficult or impossible in affected zones.



Urgent Resources Needed for VHF Radio & Repeater Systems

- Additional VHF radio units and repeater equipment to cover areas still without signal or connectivity for Chuuk State.
- Backup power supplies (such as generators or batteries) to ensure repeaters and radio systems keep working during power outages.
- Skilled technical personnel to repair damaged repeaters, restore remaining VHF services, and maintain functioning networks.
- Spare parts and replacement components for repeater towers, antennas, transceivers, and other damaged VHF infrastructure.

Response Activities – Completed

- Assessment of VHF radio systems and repeaters mostly finished to identify damage and recovery needs for Chuuk State.
- Two Starlink Terminals have provided by WFP to DECEM for Region Joint Damage Assessment