# Turks and Caicos Islands
# AMHS Implementation

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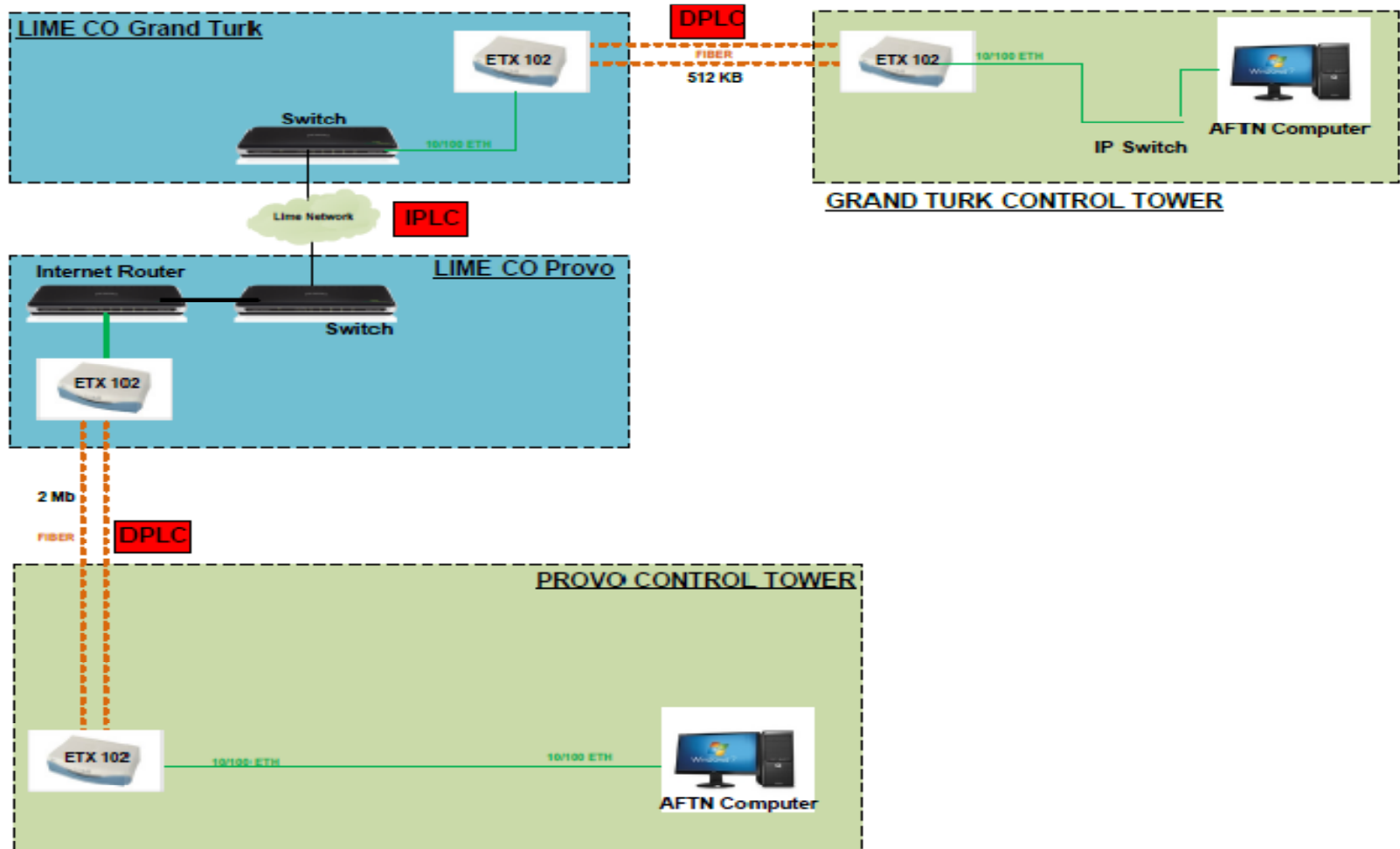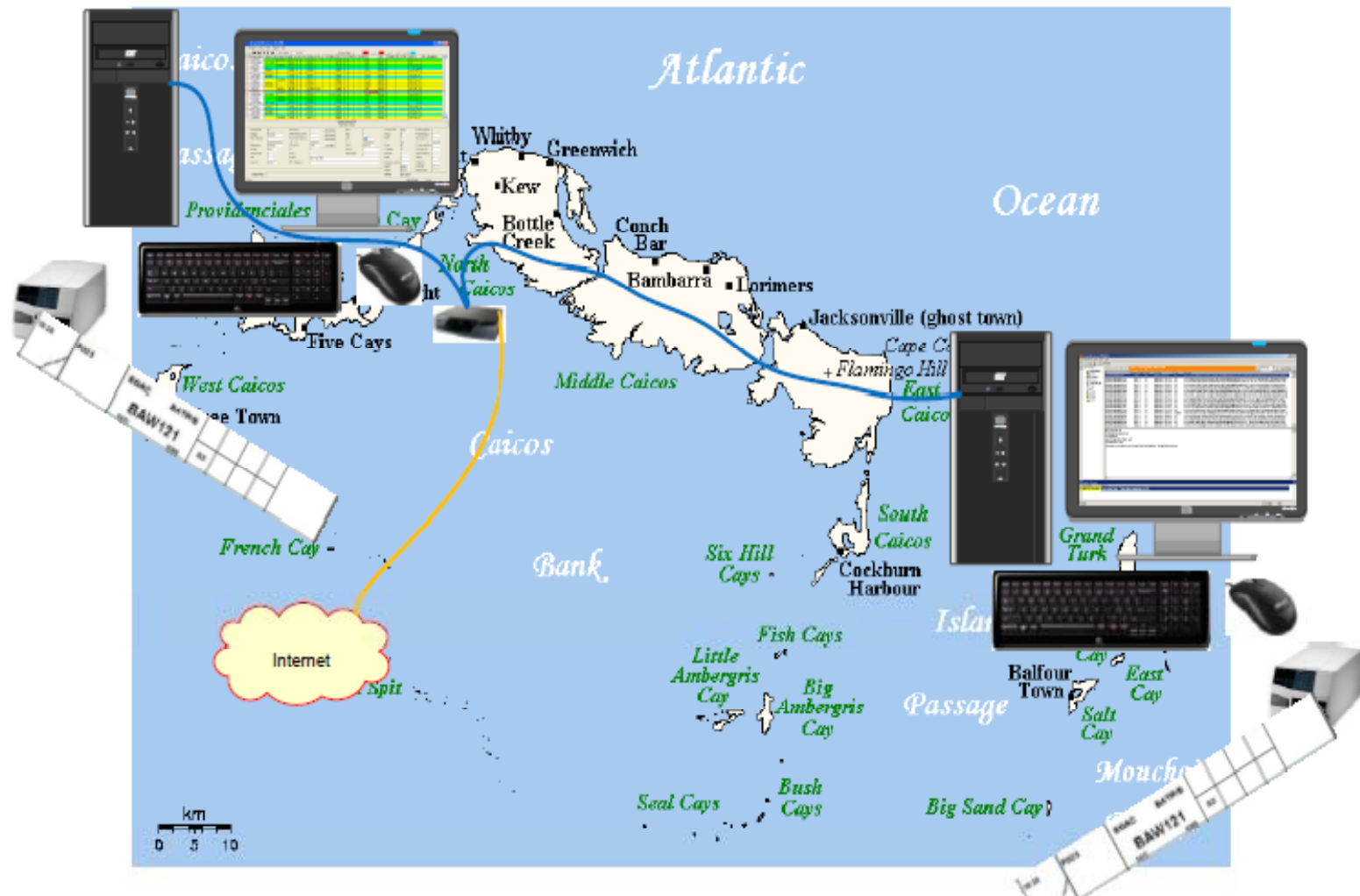
Miami, Florida, USA

April 10-12 2012

# AFTN upgrade from lease line to IP base system

- The Turks and Caicos Islands Airports Authority contracted Stonefield UK, to upgrade previous AFTN system from a leased line to IP base system connecting to the FAA.

- The system was successfully commissioned.
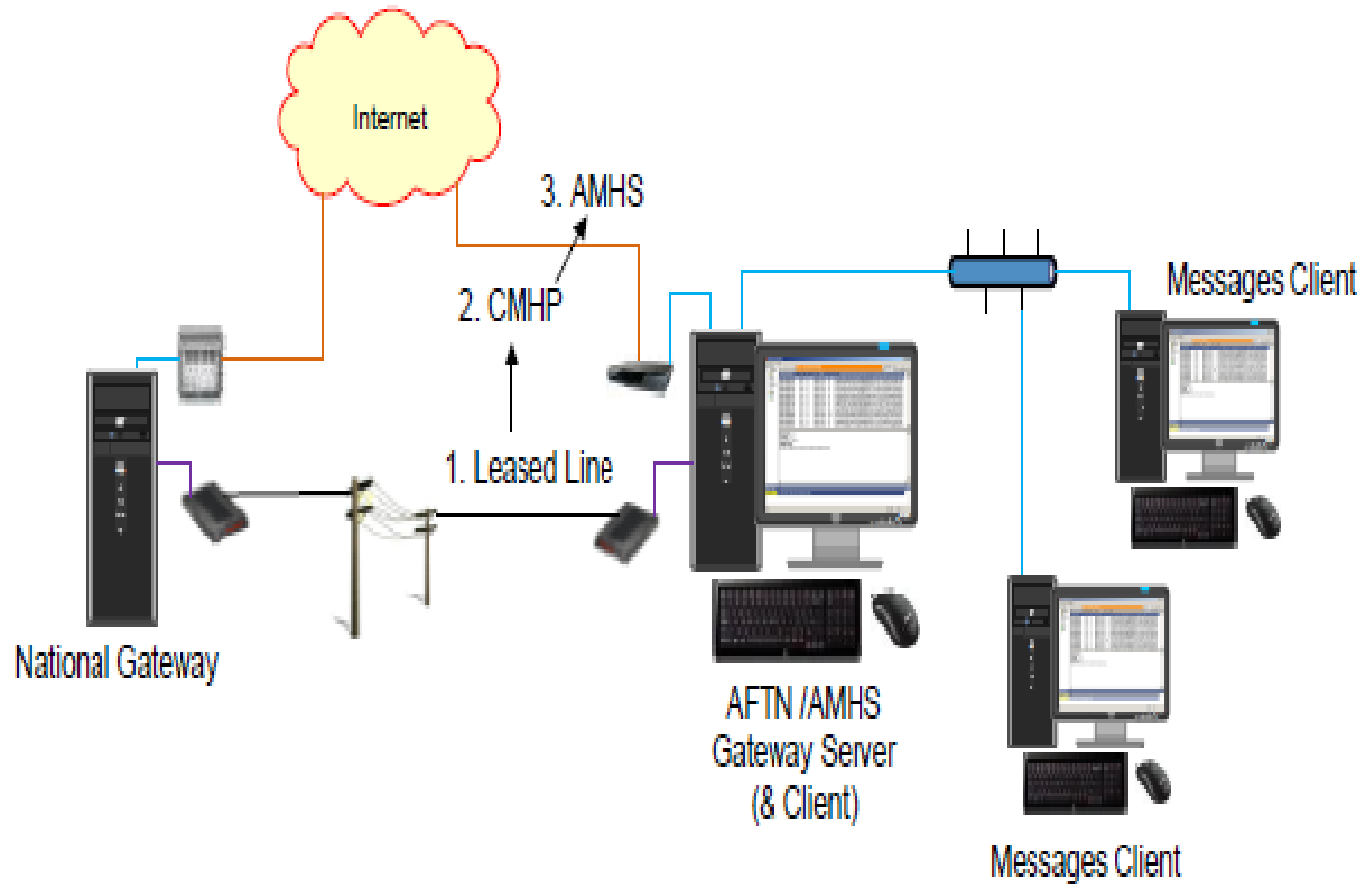
# AFTN IP CIRCUIT DIAGRAM PROVO

**LIME CO Grand Turk**

DPLC

ETX 102

FIBER
512 KB

ETX 102

10/100 ETH

AFTN Computer

Switch

10/100 ETH

IP Switch

**GRAND TURK CONTROL TOWER**

Lime Network

IPLC

**Internet Router**

**LIME CO Provo**

Switch

ETX 102

2 Mb

FIBER

DPLC

**PROVO CONTROL TOWER**

ETX 102

10/100 ETH

10/100 ETH

**AFTN Computer**

# AFTN Terminals

# Transition AFTN- AMHS

➢ Transition to AMHS entails changes in system and operation: Network, Protocol, and Terminology. Hence, Stonefield and the Turks and Caicos are now building this partnership to implement AMHS in Turks & Caicos islands.

➢ An assessment of our DIA circuit  confirmed the following:

- DIA circuit provides adequate bandwidth for the upgrade to AMHS
- Can support standard MHS/X.400 messaging terminology

# Transition AFTN- AMHS

# Operational Considerations

- **Testing:-** Stonefield in collaboration with the FAA

- **Training :-** Stonefield will conduct initial training, additional training will be arrange by the TCIAA.

- **Fallback options:-** AISR

- **Upgrades:-** Stonefield  (ICAO SARPS, etc)