

Implementation of AMHS in the Turks and Caicos Islands

Presentation

To

Workshop on the Implementation of the ATS Message
Handling System (AMHS) in the NAM/CAR Regions
Santo Domingo, Dominican Republic, 2013

Implementation of AMHS in Turks and Caicos Islands

- This presentation is intended to describe how Stonefield Systems (Europe) Ltd intend to update the AFTN system currently installed in Turks and Caicos Islands to provide AMHS capability.

CURRENT AFTN SYSTEM AT TCI AIRPORTS

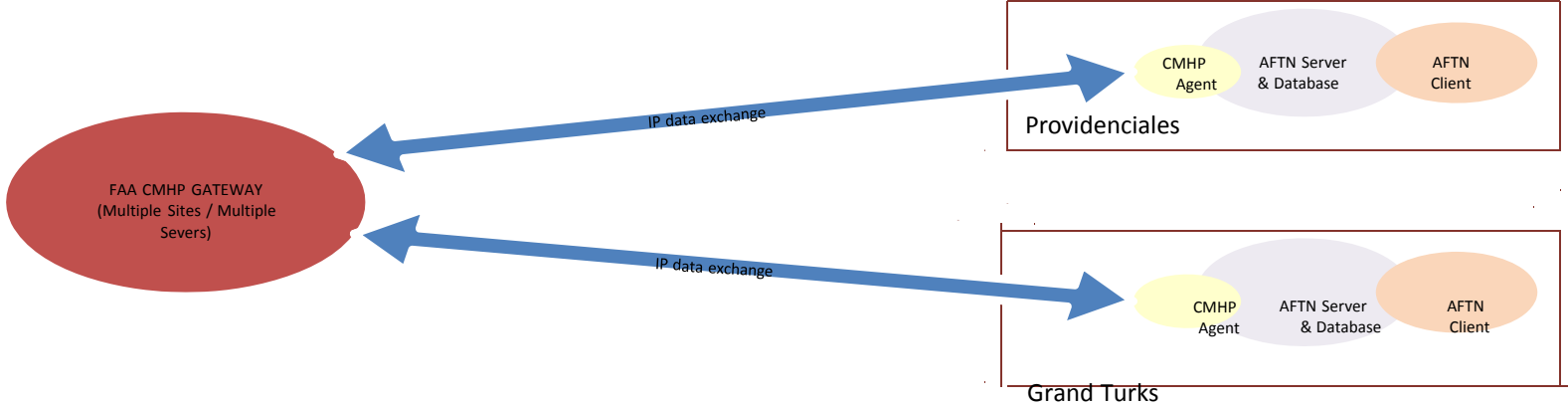


Figure 1 - Current AFTN implementation using CMHP

Current AFTN

- The current AFTN implementation at TCIAA consists of two Stonefield Standalone AFTN Terminals.
 - Providenciales Tower
 - Grand Turks Tower
- Both systems are a single PC running Stonefield's AFTN Server and Client applications.
- Messages and other data are stored in an SQL database.
- Stonefield developed a CMHP agent to allow connection of the Server application to the FAA gateway using libraries supplied by the FAA.

Concept: ATS MESSAGE USER AGENT IMPLEMENTATION

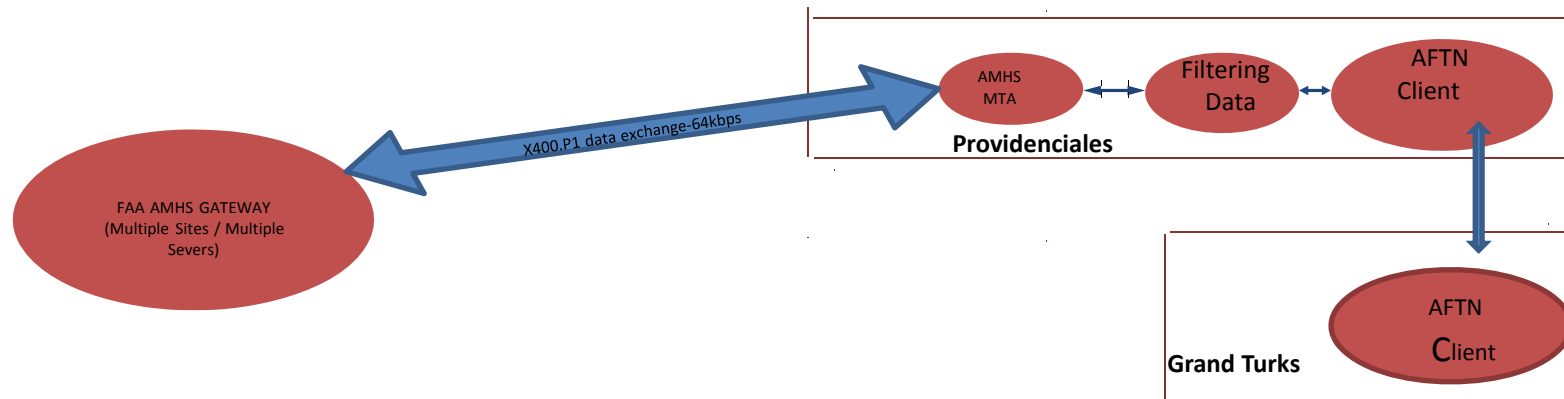


Figure 2 – ATS Message User Agent implementation.

AMHS Plans

- Stonefield have developed a P3 agent for the Server application using the ISODE AMHS API. This terminal will become an ATS Message User Agent within the AMHS and will be located in Providenciales.
- In the interim, Grand Turk ATS Unit will continue communicating traffic data via the AFTN to Providenciales , hence Providenciales will process these data into AMHS format.

Upgrade to AMHS Server

- The installation of a National Switch/ AMHS Server, will ensure AMHS is extended to multiple ATS Message User Agents

Concept-ATS MESSAGE SERVER WITH ISODE X440 SWITCH

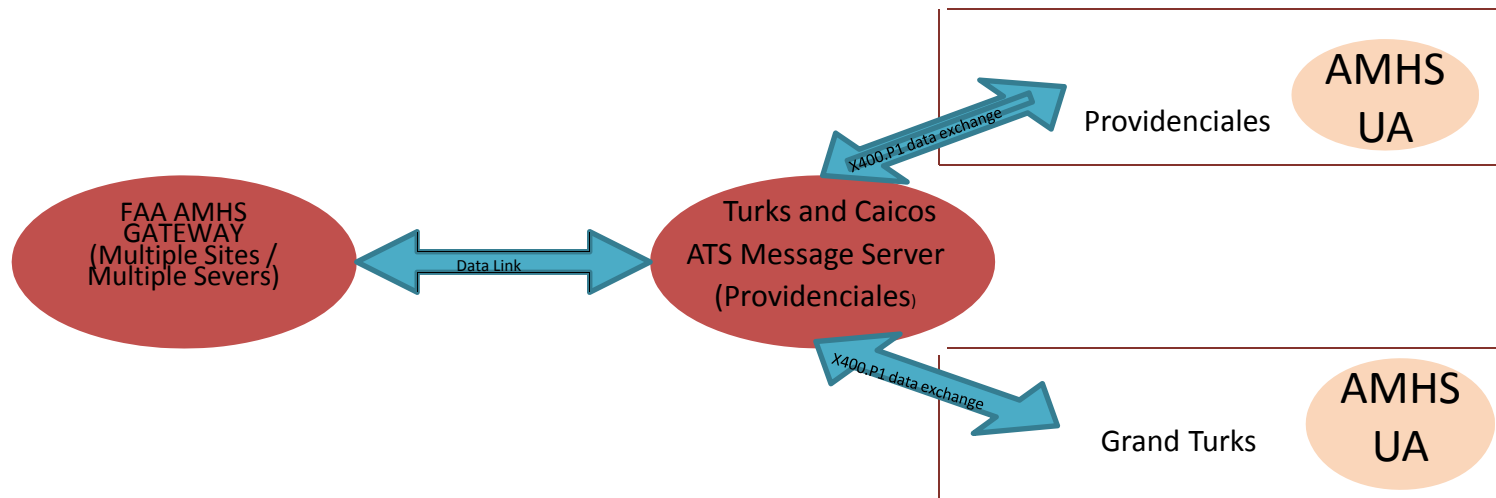


Figure 3 - ATS Message Server with ISODE X440 switch

Gracias!