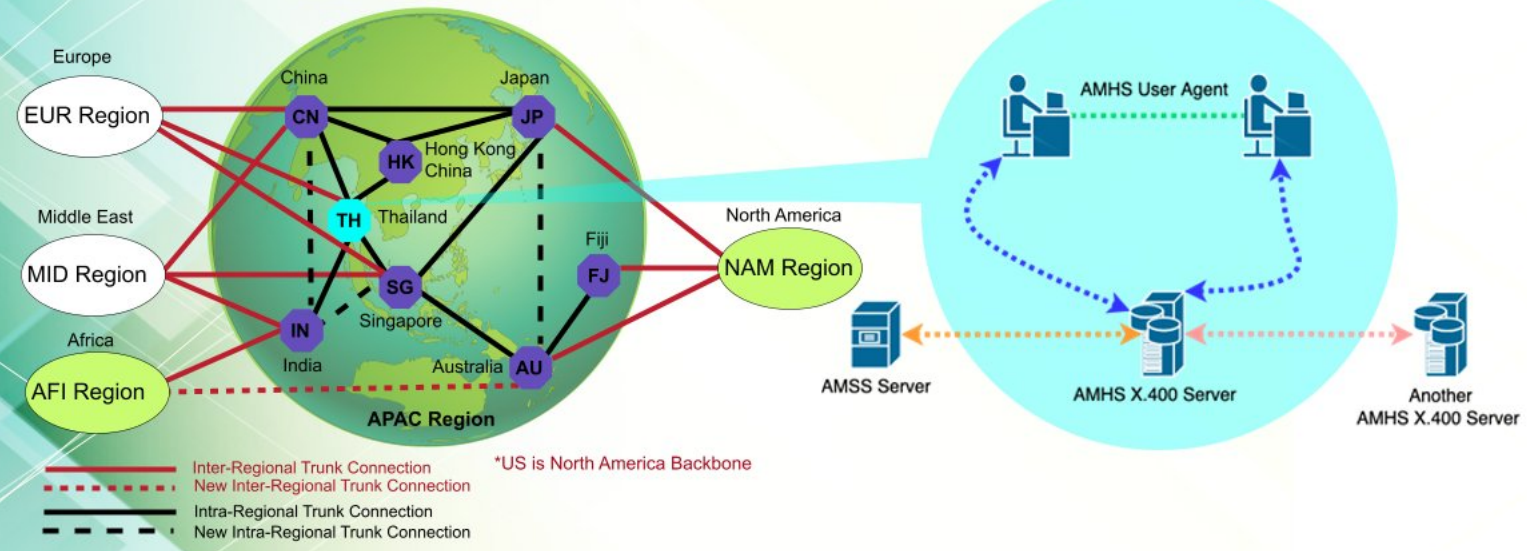**AEROTHAI,** one of the five Regional OPMET Bulletin Exchange Centers (ROBEX), has developed AMHS which follows the IWXXM policies and standards for the Member States in Asia and the Pacific in sharing meteorological information. Recently, AEROTHAI AMHS has provided the exchange of File Transfer Body Part according to the IWXXM and passed the interoperability test as it has successfully connected the system from Thailand to other countries such as India, Singapore, and Hong Kong.
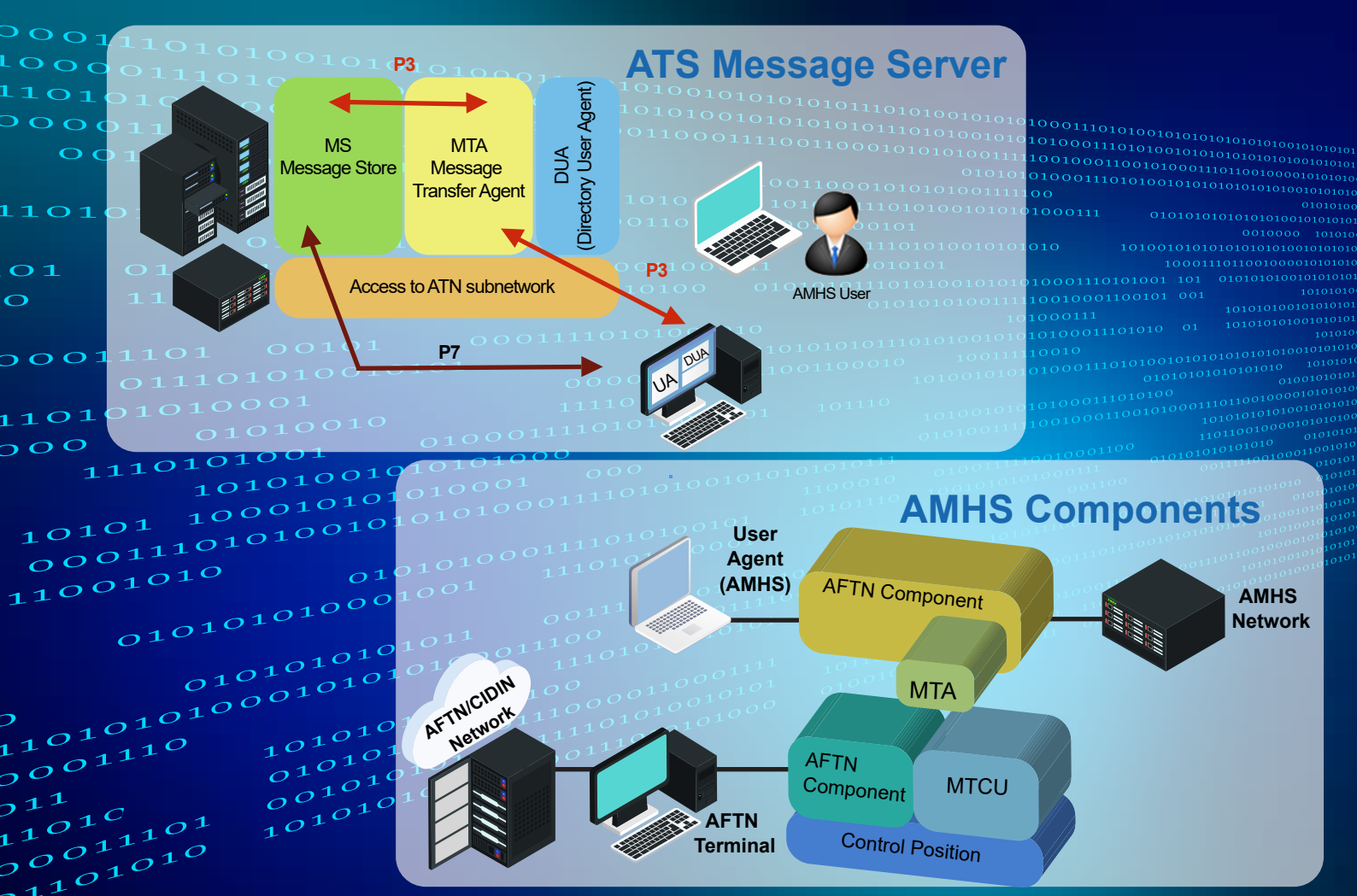

AMHS in ASIAPAC

Features:

- facilitate the exchange of IWXXM with the File Transfer Body Part (FTBP)
- co-located with Isode engine as M-Switch X.400.
- complied with the ICAO SARPs, ATN Technical Manual Doc 9705.
- able to develop a modular application structure in the open architecture, easy customization, flexible expansion system, and scalability in the future.
- operate easily via Web base and Client Base User-Agent.

AEROTHAI AMHS

ATS Message Handling System

ATS Message Server

MS Message Store
MTA Message Transfer Agent
DUA (Directory User Agent)
Access to ATN subnetwork
AMHS User
UA / DUA

P3
P7

AMHS Components

User Agent (AMHS)
AFTN Component
MTA
AMHS Network
AFTN/CIDIN Network
AFTN Component
MTCU
AFTN Terminal
Control Position

AEROTHAI AMHS has the capability as follows;

- Messages routing, including Directory Service support, and also Distribution Lists support.
- Message queue management
- Automatic message rerouting
- System work protocol keeping (message archive, all subsystem events logging, statistics maintenance, and alerting system)
- Message Tracking
- Connection with system local users using X.400 protocol (P3 and P7 protocols are also supported)
- Connection with remote (adjacent) AMHS systems via X.400 P1 protocol.
- Dynamic system configuration (adding system users, address mapping, routes, AMHS-related systems adjustment).
- Subsystem condition monitoring (message store, message transfer agent, directory server, and also AFTN/AMHS gateway).
- No restrictions on transferring message size (within AMHS network)
- Message format can be shown as text, Extensible Markup Language (XML) or binary forms (for example encrypted data or XML tags)
- Support IA-5 codes for AFTN messages.
- Centralized monitoring and system management capability.
- File Transfer Body Part (FTBP) capability (Supported IWXXM)