



AIDA-NG

Aeronautical Integrated Data Exchange Agent – Next Generation

AIDA-NG is Frequentis Comsoft’s advanced and fully integrated AFTN/AMHS message switching system with a unified system management.

The Solution

AIDA-NG is a unified Message Handling System for AFTN, CIDIN, and AMHS, based on the ECG (EATM Communication Gateway) software designed in close cooperation with leading ANSPs, including DFS, NATS and EUROCONTROL.

AIDA-NG is the only AMHS/AFTN implementation on the market that provides fully integrated and uniform message handling facilities, such as efficient queue handling and tracing for all connected networks.

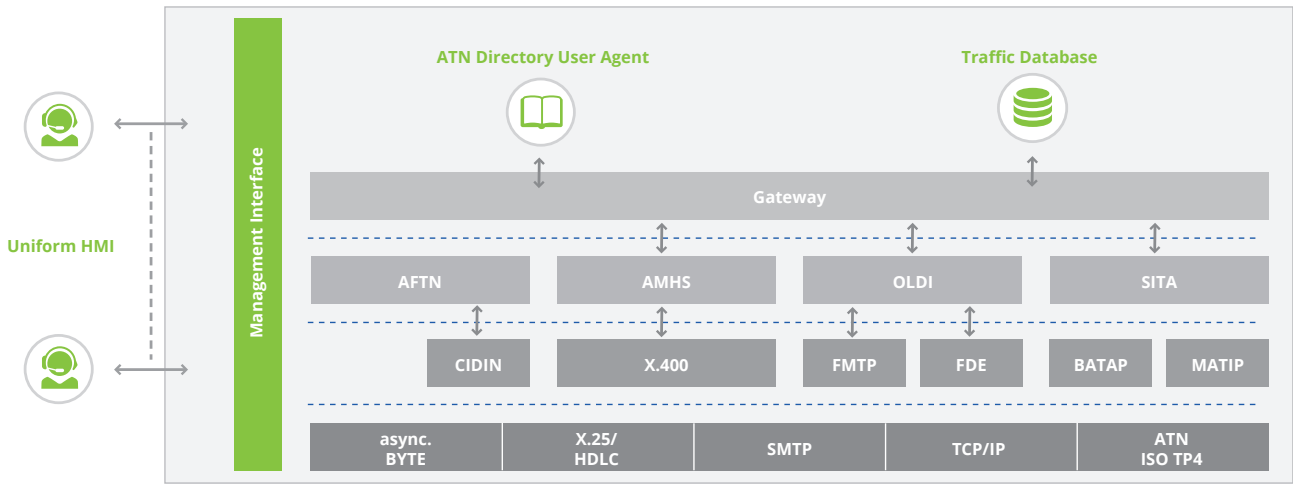
User Benefits

A harmonised supervision and message handling is possible thanks to the unified HMI which allows operators to supervise the system and handle all messages with the same operating philosophy for all components, irrespective of the message type (AFTN, CIDIN, AMHS).

This also allows incoming AFTN messages to be retrieved and related outgoing AMHS messages to be traced, and vice versa. With its easy to use SOAP interface AIDA-NG is the ideal platform for implementation of a SWIM/AMHS gateway.

Highlights

- Open and fault-tolerant architecture
- Proven interoperability and standard conformance with AFTN/ CIDIN and AMHS
- Support of the Basic and Extended ATSMHS in conformance with ICAO Doc 9880
- Multi-site configuration management
- Available SOAP interface as foundation for integration with SWIM
- Excellent performance and throughput capacity service



System Operation & Control

Key Features

Routing and Message Handling: Standard table-based routing functions are accomplished through the ability to copy, divert and pause messages. Pending messages in outgoing queues can be monitored online (per circuit), accessed directly and re-routed or redirected to other destinations, blocked and removed.

Best performance: AIDA-NG systems have been tested and approved to switch a permanent load of more than 900 messages per second. High message loads do not affect the exceptional response time of the Operator Working Positions. Overload situations are prevented by extensive flow control mechanisms.

Disaster Recovery: The smooth switchover from one site to another makes contingency management very swift and simple. Switching over the operational services can be performed within minutes.

System maintainability: A redundant central server for configuration and software deployment allows exchange of a failed server in approx. 15 minutes without service interruption. No manual installation required.

Ready for EDS: AIDA-NG provides access to the European Directory Service (EDS) using a fully compliant Directory User Agent (DUA).

References

