



AIDA-FPL

AERONAUTICAL INTEGRATED DATA EXCHANGE AGENT – FLIGHT PLAN CONVERTER

HIGHLIGHTS

- Conformance to ICAO Doc. 4444 15th edition including Amendment 1
- Converts flight plans from present to new format and vice versa without loss of information
- Date of flight (DOF) retention mechanism
- Addressee-dependent conversion
- Support of TCP/IP-based & serial interfaces
- Single and redundant deployment supported
- Fully automated operation without need for operator intervention
- Intelligent error handling mechanisms
- Support of SNMP-based management
- User-friendly configuration via graphical user interface

COMSOFT



According to Amendment 1 to ICAO Doc. 4444 the format of flight plans will be changed and this change will be applicable on 15 November 2012. As a consequence, this induces changes to all ATC systems that check and accept flight plans and related messages or use flight plan data in displays and for ATC automation. At least during the transition period both the present and new flight plan format will be used in parallel which produces the need for transformation between both formats.

AIDA-FPL is a converter automatically transforming flight plan messages from the new flight plan format into the present format according to the ICAO-recommended conversion tables. The converter also performs the reverse transformation for those flight plans in the present format containing all necessary information to convert messages into the new format without any ambiguities. AIDA-FPL thus facilitates the interoperability between systems supporting the new format with those systems not having performed the transition yet. In this respect, AIDA-FPL gives ANSPs more flexibility in adopting the new flight plan format which in turn helps to avoid investments in existing flight plan-related ATC automation systems.

Flight plans in new format can be send up to five days in advance - a feature that may not be supported by systems working in the present format. In case the date of flight (DOF) is set for any time later than one day in the future AIDA-FPL stores the flight plan temporarily and sends it out 24 hours before the actual departure time at the earliest.

A flight plan is only converted for those addressees that are known to be not compatible with the format of the flight plan. Other flight plans are forwarded unchanged. AIDA-FPL is deployed as a software upgrade of COMSOFT's aeronautical

message handling system AIDA-NG or as a stand-alone appliance for the integration into existing ANSP automation environments or communication centres. The converter's protocol stacks and application software are derived from the market-leading message handling system AIDA-NG which in turn is COMSOFT's implementation of EUROCONTROL's EATM Communications Gateway (ECG). AIDA-NG has already evidenced its compliance with the strict EUROCONTROL Safety Regulatory Requirements (ESARR) in numerous safety critical environments and is in operation in nearly all leading aeronautical communication centres worldwide. As AIDA-FPL inherits AIDA-NG's unmatched stability and availability it makes AIDA-FPL best-suited for operations in safety-critical aeronautical environments.

AIDA-FPL analyses flight plans and performs the conversion in a fully automated way. It provides a comfortable HMI for configuration purposes and a graphical display of the converter status. In addition, the SNMP MIB allows the seamless integration of the converter's monitoring and control into an existing network management system.

RELATED PRODUCT: CADAS-ATS

COMSOFT's Aeronautical Data Access System (CADAS) is a cutting-edge web-based ATS user terminal system that provides advanced, yet convenient, access facilities to all services related to ATC and aeronautical data, in particular flight planning information. Innovative concepts facilitate and improve ATS messaging considerably, while keeping the focus on ATC-specific work-flows and maximised ease of use. CADAS-ATS supports both sending and reception of the present and the new flight plan format.

