

Product brief: Internet Briefing System

Pre-flight preparation, flight plan management

Frequentis' Internet Briefing System is a web-based briefing application, which allows Air Navigation Service Providers (ANSPs) to provide an Internet-based service for pre-flight briefing, flight plan submission and access to an AIP library.

These services are decoupled from the main operational system in order to ensure safety and security. All information that is shared has been approved and validated by the ARO operators. Pilot briefings are enabled via web-portals that provide both dynamic and static data access.

Key Features

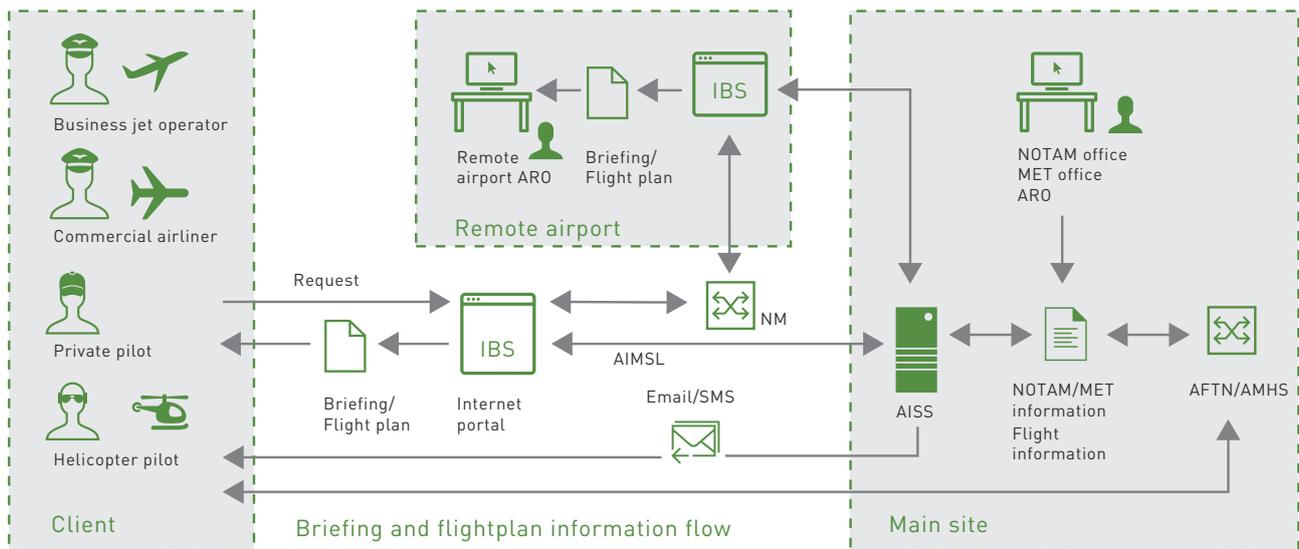
The Internet Briefing System includes a selection of components to allow the user to address the topics specific to their needs.

- NOTAM and weather briefing
- Flight plan management
- Open interfaces to other AIM tools
- Customer relationship management
- Webshop for value-added services
- Mobile support
- Graphical visualisation
 - NOTAM display
 - Display of aeronautical static data (eg. Aerodromes, FIRs)
 - Flight route display
- Aeronautical Information Publication database
- Content management
- Site configuration management
- Statistics and reports
- Pilot feedback form



Internet Briefing System at a glance

- Weather and NOTAM information from a single source
- Fully integrated flight plan management functionality
- Single tool for publication management
- Mobile technology support
- Opportunities for new revenue streams through value-added services
- Modular architecture to select feature sets according to customer's needs



ARO: ATS Reporting Office, IBS: Internet Briefing System, AISS: Aeronautical Information Services Database System, AFTN: Aeronautical Telecommunications Network AMHS: Aeronautical Message Handling System, AIMSL: AIM Service Layer, NM: Eurocontrol Network Manager

Benefits

Today's traditional briefing functionality has a number of limitations that need to be overcome in order to work in a modern web-based information services fashion. The key topics that ANSPs need to address encompass the ways information is stored, analysed and shared. Some key examples include data being stored in different sources without full integration, data analysis not covering all airspace topics driving a higher level of interpretation than should be required and the lack of use of mobile technology.

As we move toward a future solution, we must consider the following requirements – meeting

all aviation stands and regulations, user-friendly interfaces, mobility and reliability, scalability for different users, integration of new airspace users such as unmanned aircraft systems and the highest levels of security.

Frequentis solves these challenges with a modular approach allowing users to leverage its industry leading AIM platform to craft a solution that includes the applications they currently need to address and allow for the addition of further functionality as their organisation evolves over time.

Technical specifications

Industry policies	ICAO DOC-4444 (PANS – ATM), ICAO Annex 15 Aeronautical Information Services, ICAO Annex 3 Meteorological Service for International Air Navigation, Eurocontrol IFPS User Manual
Data exchange formats	AIXM
Interfaces	Eurocontrol Network Manager, AIMSL (AIM Service Layer)
Interoperability with other Frequentis products	Allows seamless flight plan management and briefing retrieval via AIMSL to smartNMO (NOTAM and METEO Management) as well as static information retrieval from smartDM (Data Management module)
Access methodologies	Web-browser, tablet, smartphone

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