



Sm@II.AIS World Wide Web Pilot Briefing

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In the mid-90's the European Commission completed a study of an integrated and standardised electronic flight planning and briefing system to be used at airfields and for home briefing activities through-out the European Union.

At the same time Airservices Australia, the Australian air navigation service provider, began the implementation of a home briefing system via the world wide web using their National Aeronautical Information Processing System (NAIPS). This service provides full flight planning and briefing services for pilots in Australia and the pacific regions.

Airservices and Avitech have joined together to offer the aviation industry the New Sm@II.AIS Home and Self Briefing System.

The Sm@II.AIS product has been designed to provide all sections of the aviation industry, including Airlines, General Aviation and Military, with easy access to all necessary information from anywhere of their choosing. This product runs on any computer with a web browser through the world wide web or with a direct dial in facility to an intranet.

Sm@II.AIS supports the activities to harmonise and integrate the aeronautical and meteorological pre-flight briefing services as recommended by the International Civil Aviation Organisation (ICAO) and the Eurocontrol Agency.

Human Machine Interface

The HMI for Sm@II.AIS is provided by either a user-friendly web browser using HTML/XML technology or a purpose built Graphic User Interface (GUI) using XML/Java technology.

Both of these versions can be customised to specific user requirements to include other services.

Sm@II.AIS Services

The Airservices & Avitech Sm@II.AIS provides the following integrated and harmonised services for complete flight plan preparation and briefing:

- Standard Briefing Information Retrieval
- Enhanced Briefing Information Retrieval
- Aeronautical Information Publication
- Flight Planning



Standard Briefing Information Retrieval

The Sm@II.AIS system enables users to generate a pre-flight information bulletin containing NOTAM in the following versions:

- Aerodrome Specific
- FIR Specific
- Narrow Route Specific
- Polygon or Circle Specific

Meteorological Data can be retrieved in the following forms:

- TAF
- METAR
- SIGMET
- AIRMET
- GAFOR

In addition to text information the Sm@II.AIS product provides access to graphical information such as:

- WAFS
- Satellite Images
- Radar Maps

Flight Planning

Sm@II.AIS allows the user to file flight plans in ICAO and domestic formats. To ensure a "legal recording" for further evaluation each flight plan is stored in the Sm@II.AIS database. Sm@II.AIS validates all flight plans against ICAO, regional and national rules. Once a flight plan has been validated it is forwarded to the relevant flight plan processing system, e.g. Euro-control IFPS/CFMU.

Privacy

The privacy of the users flight plan information is guaranteed by user specific password protection.

System Access Requirements

Access to Sm@II.AIS maximises service functionality at low operational cost. The minimum PC requirements are:

- Pentium 1 or greater
- Modem
- Internet Service Provider or access to PSTN
- Browser, e.g. Microsoft IE5, Netscape Communicator

Conformance Statement

Sm@II.AIS is designed to assist the implementation of the ICAO Annex 15 recommendation of an automated pre-flight information system providing a harmonised, common point of access by operations personnel, including flight crew members and other aeronautical personnel concerned, to aeronautical meteorological information. The implementation of the requirements of the Euro-control Integrated Briefing Project of the AIS AHEAD Programme are supported as well.

Enhanced Briefing Information Retrieval

In addition to the standard briefing retrieval the Sm@II.AIS product provides the user with the following enhanced options:

- Automatic retrieval of NOTAM and MET information based on flight plan input
- Combined NOTAM and MET bulletin including graphical information
- GPS RAIM prediction service
- First & last light calculation

Aeronautical Information Publication

The Sm@II.AIS product provides the user with access to the electronic book version of AIP.

