AUTOMATIC TERMINAL INFORMATION SERVICE ATIS7

The ATIS7 system reduces the workload for air traffic controllers through a fully automatic transmission of weather and runway conditions for the airport, thus reducing initial Controller-Pilot radio contacts.

Enhanced safety and service

Information sharing is a key element for flight safety and pilot service. Providing distinct, timely and iterating information over the radio, the ATIS7 is a valuable addition to any airport.

ATIS7 can be integrated in our AWOS7 system without the need for extra hardware, but can also work as a stand-alone system.

ATIS7 integrated into the AWOS7 results in a very cost effective solution with optimum benefits in terms of ATIS automation, reliability, reduced maintenance and the best opportunity for future adaptations.

ATIS7 can handle dual languages and the reading speed is adjustable.

A voice that impresses

In cooperation with one of the leading developers of synthetic voices, we have integrated a synthetic speech solution to vocalize the ATIS messages with an authentic voice that is easy to read even in a noisy cockpit.

Some of the advantages of synthetic voices are that dialects are avoided, pronunciation and emphasis becomes correct and operational information can be added to the ATIS message without the need of recordings.

The synthetic voice can also be customized to pronounce certain words in the manner required by the customer.

Input sources

The MET REPORT can be used as input data for the voice report and software configuration allows easy adaptation to specific airport conditions or national rules.

The ATIS7 receives MET REPORT, Runway in use, Operational information and Transition level from our AWOS7 or from an external system supplied by a third party.

Supplementary data may also be entered through the text editor and the tab for operational information.

In case MET REPORT is unavailable, the system can be operated manually by entering weather data from the keyboard.

Fully automatic and configurable

In fully automatic mode, the ATIS7 operates without the need of user intervention.

Airport specific information can be added or changed by the operator at any time, without affecting the ongoing flow of messages.

The operator can listen to the current ATIS message and can also playback a new message for verification prior to broadcasting.
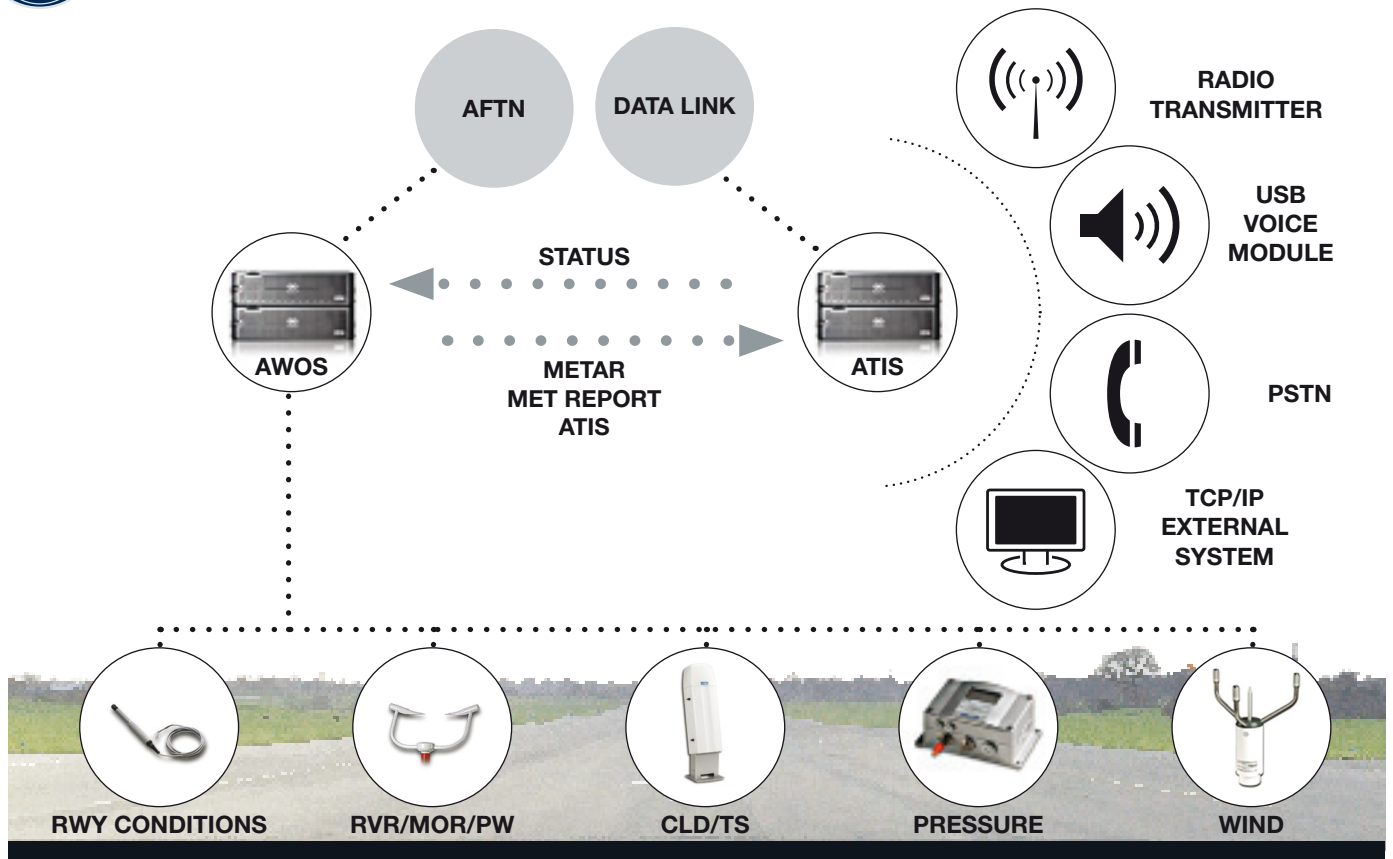
Fully automatic and configurable

The ATIS7 can be interfaced with any data link provider in order to broadcast D-ATIS messages.

TheAWOS7 system can also be directly connected to a data link for D-ATIS without any intermediate ATIS system.

RADIO TRANSMITTER

USB VOICE MODULE

PSTN

TCP/IP EXTERNAL SYSTEM

AFTN

DATA LINK

STATUS

AWOS

ATIS

**METAR
MET REPORT
ATIS**

RWY CONDITIONS

RVR/MOR/PW

CLD/TS

PRESSURE

WIND

CERTIFICATIONS

- Fully compliant with ICAO Annex 3, 10 and 11, WMO No 306, ICAO PANS-ABC

VERSIONS

- Stand-alone system or integrated with AWOS7 (Automated Weather Observation System)

HARDWARE & SOFTWARE

- Standard PC units or redundant server systems
- Runs under Microsoft Windows 7/10 and Windows Server 2008 onwards™

SUPPORT

- AWOS7 has an advanced function for remote support to enable centralized trouble-shooting, configurations, and updating of software

FEATURE HIGHLIGHTS

- Low life cycle costs and no periodic maintenance required
- Fully automated data import and message output

- Superior voice quality
- Automatic data validation
- Automatic logging of system changes, logins etc.
- Automatic recording of incoming data and outgoing messages
- Automatic/Semi-automatic information about runway in use, runway condition, transition level, etc.
- Support for single or multiple channels, with combinations of channels and languages, for readout of multiple audio channels from the same data source
- Possible to select a combination of male/female voices for each different message, e.g. every other MET REPORT with a male voice and every other with a female voice
- Support for voice settings per channel, as reading speed, male/female, tuning of the voice clarity for radio
- Supports multiple audio cards and allocation of channel group
- The operator can bypass ordinary automatic readout and read out a modified text with prior checking, also during operational service

- ATIS information can be available at the airports web site
- User-friendly and configurable
- Very reliable system solution
- System monitoring
- Attended or unattended operation

INPUT OF DATA

- Manual input of data
- Data from AWOS7 system
- Data from AFTN

ATIS OUTPUT

- Audio
- Text to AFTN
- TCP/IP
- Data link
- Internet (web page)

COMMUNICATION WITH EXTERNAL SYSTEMS

- RS-232
- TCP/IP
- Internet

Specifications subject to change without notice

Document id: LA-BR-20150928-2