



# METEOROLOGICAL INFORMATION FOR AIRCRAFT IN FLIGHT VOLMET7

The VOLMET7 system from Saab Combitech provides pilots in flight with information of the meteorological conditions at the surrounding main airports of their destination. The pilots receive in due time information to decide if there is a need to consider deviation of the aircraft to an adjacent airport in case of bad weather conditions at the destination airport. The message service is automatically and continuously refreshed as soon as new information becomes available, without intervention from operator.

## **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 or data link, the Saab VOLMET is a valuable system for all service providers of VOLMET information, serving pilots with important weather information.

VOLMET7 can also be integrated in the Saab AWOS7 system or ATIS7 system without the need for extra hardware.

## **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 VOLMET message without the need of recordings. The synthetic voice can also be customized to pronounce certain words in the manner required by the customer and can also be adapted for dual languages, with a choice of male and female voices.

## **Input sources**

METAR, SPECI, SIGMET, TAF, AIRMET can be used as input data for the voice reports. Software configuration allows easy adaptation to specific airport conditions or national rules. Supplementary data may also be entered through the text editor and the tab for operational information.

## **Fully automatic and configurable**

In fully automatic mode, the VOLMET7 system 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 receiving and transmitting of messages.

## **Elaborate systems solutions**

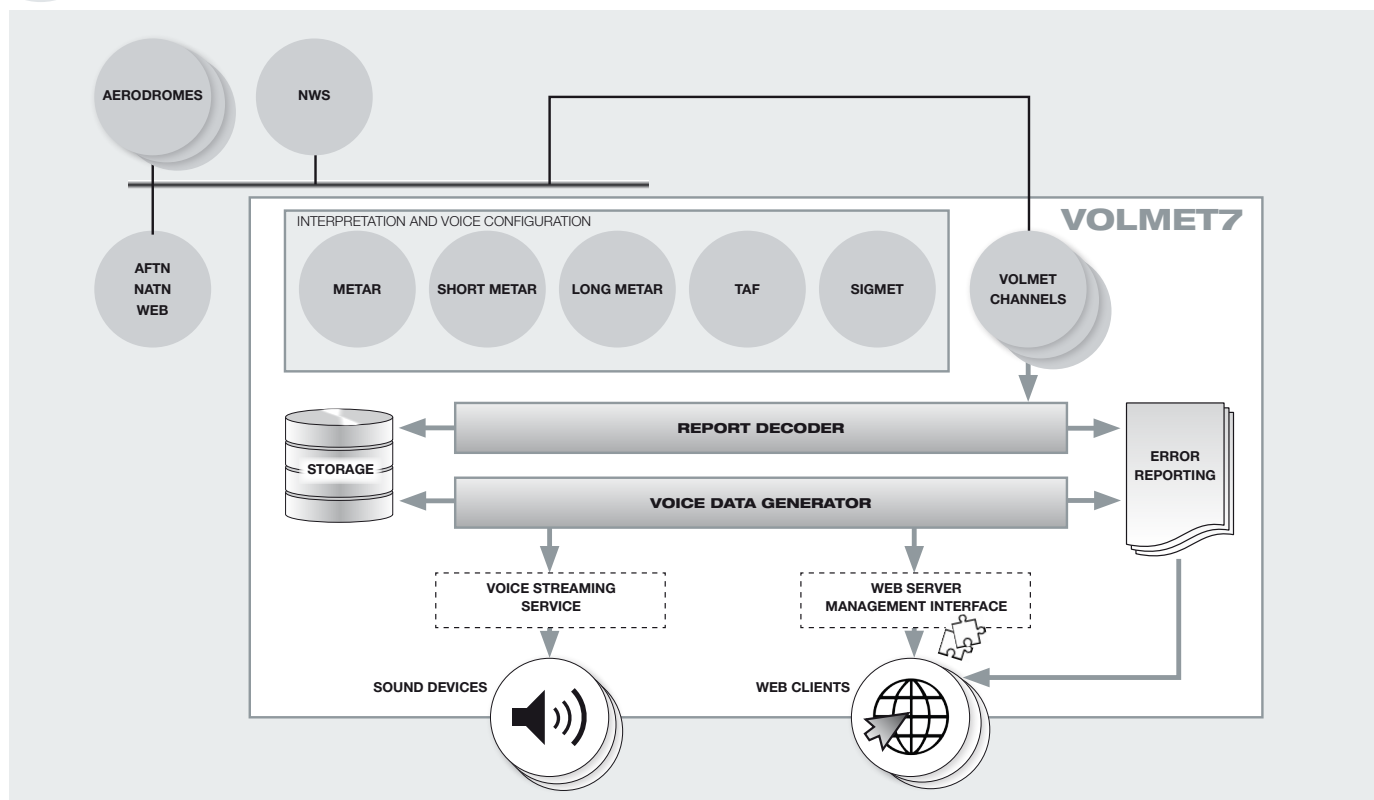
To get as reliable hardware as possible on sometimes distant radio sites, redundant fanless computers with Solid State Drives can be used. VOLMET7 has an advanced function for remote support, to enable centralized trouble-shooting, configurations and updating of software. Via a Web interface, the message sent to the transmitter can be intercepted. The service provider can also make the VOLMET information publicly available via the Internet.

## **D-VOLMET**

The VOLMET7 can be interfaced with any Data Link Service Provider, in order to transmit via datalink.



# SAAB



## 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 recording of incoming data and outgoing messages
- User-friendly and configurable
- Very reliable system solution
- System monitoring
- Attended or unattended operation
- Web based user interface for manual input/correction
- Multichannel support – combination of ATIS7 and/or VOLMET
- Remote operator positions
- Remote Control & Monitoring
- GPS clock

## SAFETY & RELIABILITY

- Redundant and failsafe architectures ensure very high system availability and software assurance levels according to Guidelines for ANS Software Safety Assurance, ED-153
- Password-protected system access
- Automatic logging of system changes, logins, etc

## VERSIONS

- Stand-alone system or integrated with AWOS7 (Automated Weather Observation System) or ATIS7 (Automatic Terminal Information System)

## INTERFACES

- TCP/IP
- AMHS
- AFTN
- RS 232

## HARDWARE AND SOFTWARE

- Standard PC units or redundant server systems
- Runs on Microsoft Windows 7 and Windows Server 2008 and onwards

## INTEROPERABILITY

- VOLMET 7 complies with relevant standards, such as ICAO, WMO Guides, EN, ESARR, etc.

Specifications subject to change without notice

Document id: LA-BR-20150928-01

[www.saabgroup.com](http://www.saabgroup.com)  
[www.awos.se](http://www.awos.se)

Saab Combitech  
SE-580 15 Linköping  
Sweden

Tel +46 13 18 90 00  
Fax +46 13 21 21 66  
[awos@combitech.se](mailto:awos@combitech.se)

[www.combitech.com](http://www.combitech.com)