

## ACAMS Digital ATIS

### General

The ACAMS ATIS is a computerized ATIS/D-ATIS - VOLMET/D-VOLMET information system automatically generating a speech message from data and text input. The module is equipped with a user friendly interface allowing the message to be composed with a minimum of operator input. Parameters that are monitored by the system are automatically extracted from the ACAMS real time database. Other standard information is entered by simply entering the parameter values and the system will generate the complete message automatically. It is also possible to add a free text message when required.

ACAMS COTS software and Hardware solutions make it easy to customise the product to small or large airports or military airfields. ACAMS range of ATIS solutions includes single PC solution to fully redundant multi-workstation systems including message handling and management systems for country-wide Datalink ATIS management.

The ACAMS ATIS- VOLMET may also be supplied as an integral module of a comprehensive ACAMS integrated tower system.

### Functional Description

The ACAMS ATIS- VOLMET provides the user with the facility to automatically generate ATIS/VOLMET formatted voice and data messages. The module is equipped with a user friendly interface allowing the message to be composed with a minimum of operator input.

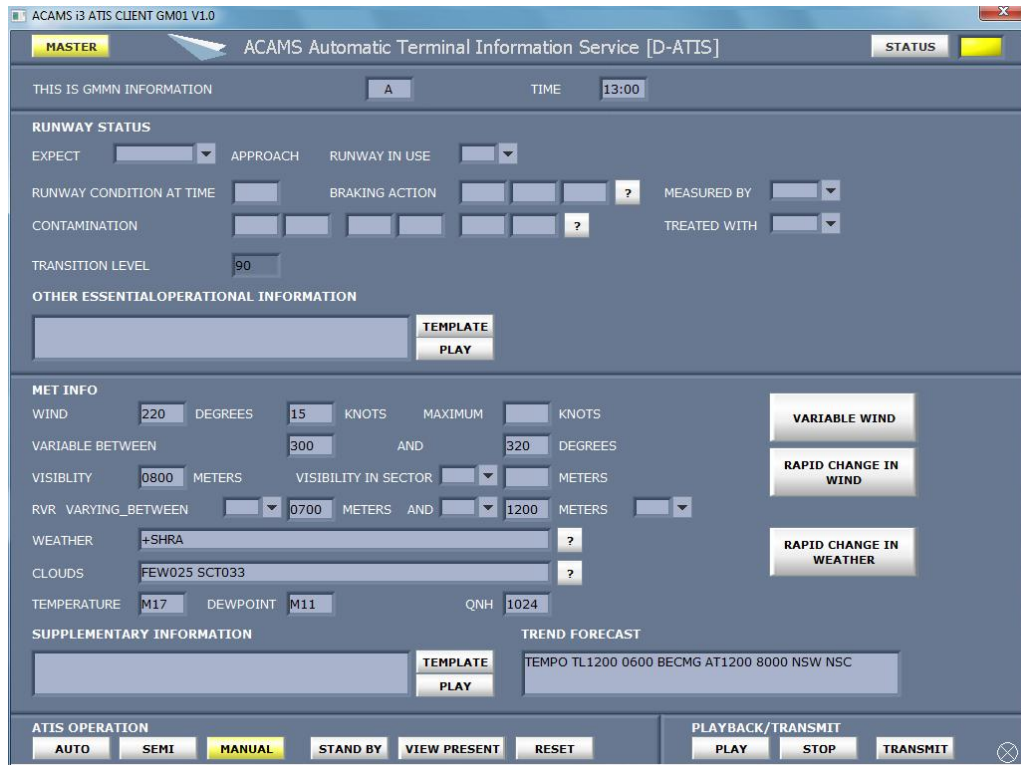
Parameters that are monitored by the system are stored in the ACAMS real-time database and automatically extracted and inserted into the ATIS/VOLMET message. Other standard information is entered by simply entering the parameter values and the system will generate the complete message automatically. It is also possible to add a free text message when required.

When the message is activated the client program generates the complete text message and transfers this to the server.

The server program generates the analogue and digital format ATIS-VOLMET messages. COTS speech synthesiser software is used thereby allowing the latest available speech generator technology to be utilised. The analogue audio output of the server is fed to the VHF/UHF/HF ATIS-VOLMET radio transmitter. The digital data output is fed to the AFTN, Aeronautical Information Service or CPDLC Datalink (e.g ARINC/SITA) as appropriate.

### Features

- Analogue and digital outputs
- Automatic data import from meteorological sensors
- Automatic data import from METAR messages
- Multiple operator terminals
- Dualised architecture available
- Full Datalink compliance (D-ATIS – D-VOLMET)



# ACAMS Digital ATIS

## Detailed Features

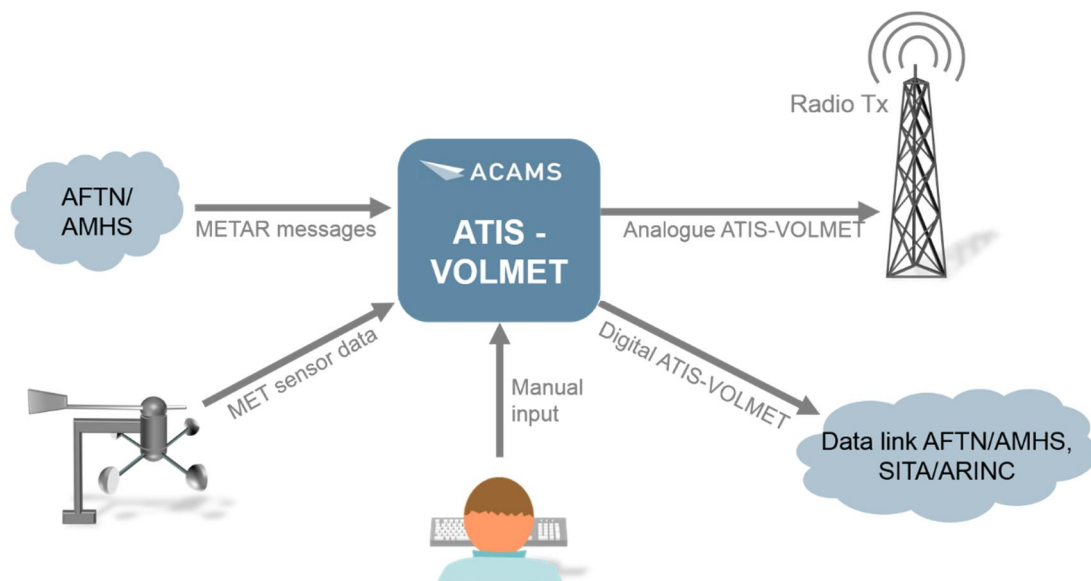
- Automatic text to digitized human voice conversion
- User friendly HMI
- COTS computer based system
  - Windows Server 2008 R2 Operating System
  - Java-based software
- Selectable Operation Modes
  - Automatic
  - Semi-Automatic
  - Manual
- Selectable update rate
- Automatic validation of data
- Playback feature for "off air" manual verification.
- Input
  - Manual typing, standard text string templates and free text
  - Data from MET sensors
  - Data from AFTN, AIS and METAR services
- Output
  - Voice (English and/or other languages)
  - Data to AIS
  - Data / Text to AFTN
  - Telephone access
  - ARR and DEP info separate or combined

## Management system

- Individual Aerodrome Configuration settings
- User definable Voice adaptations
- Voice type
- Speed
- Automatic Transition Level calculation
- ATIS Log Player
  - Logging of all Transmitted messages
  - Logging of all data input (METAR/AIS)
  - Review and Replay of logged messages and Met input

## Options

- Voice Modem for Telephone access
- Data link via ARINC/SITA or similar
- RAID1 discs with mirroring
- Dual PC operation (Hot-Standby)
- Industrial PC located in technical room (Peripherals in VCR)
- Multiple operator positions (Local & Remote)
- GPS Time synchronization
- Linux OS platform available



## ABOUT ACAMS

ACAMS supplies advanced solutions for monitoring, control and display of airport tower systems. Integrated and cost-effective solutions offer significant improvements in operational safety and controllers' working conditions.

Supplied solutions include:

- Integrated Tower solutions (I-TWR)
- ATIS/D-ATIS systems
- Technical Control and Monitoring systems (TCMS)
- Airfield Lighting Control and Monitoring (ALCMS)
- Other related products

ACAMS AS

Visiting address: Olaf Helsets vei 6, 0694 Oslo, Norway

Postal address: Po. Box 150 Oppsal, NO-0619 Oslo, Norway

Telephone: +47 23 13 44 40

Email sales: [sales@acams.no](mailto:sales@acams.no)

Email support: [support@acams.no](mailto:support@acams.no)

Email other: [mail@acams.no](mailto:mail@acams.no)

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