The smartATIS/VOLMET product is the next generation information service which is fully scalable to meet the demands of airports, ACCs and national ATM facilities, with support for multiple voice and data-link broadcast channels.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td>Fully Automated</td>
<td>smartATIS/VOLMET follows a fully automated procedure for handling broadcasts and message release. Users may intervene and make individual changes at any time.</td>
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<tr>
<td>Distributed Broadcasting</td>
<td>The Frequentis iRIF allows simple distribution of voice broadcasts over IP networks to remote radio sites. Reliability and availability are improved by decoupling voice broadcasting from other system functions.</td>
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<tr>
<td>Excellent Speech</td>
<td>Voice broadcasting is based on a fast and high quality synthetic text-to-speech engine. There is no need to maintain pre-recorded voice samples.</td>
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<tr>
<td>Advanced Data Link</td>
<td>smartATIS/VOLMET complies with the latest interface standards for integrating data link networks: ARINC 623 and ED89A.</td>
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<tr>
<td>Usability</td>
<td>A clearly-structured and intuitive human-machine interface (HMI) with standardised controls guides users through their tasks. A special graphical editor allows the HMI to be configured according to individual customer requirements.</td>
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<tr>
<td>Inter-Product Functionality</td>
<td>Once installed, the solution is easily expanded to include other components of the TAPtools family (e.g. smartStrips or smartTools) or products of the Frequentis COMMs portfolio.</td>
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<tr>
<td>Safety &amp; Reliability</td>
<td>A highly-redundant, failsafe architecture ensures system availability. Software assurance levels according to ED-109/DO-278B supply the evidence needed to fulfil ESARR 6 requirements.</td>
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</table>
FEATURE LIST

Broadcast Functions
- Multiple broadcast channels (ATIS, VOLMET, customised content)
- Advanced data link support (D–ATIS / D-VOLMET)
- Synthetic text-to-speech engine (multispeaker, multilanguage)
- Independent, IP-based voice broadcasting gateway (iRIF)
- Voice broadcast interface monitoring (based on voice detection)
- Pre-listening / listening to broadcasts at the working position

Workflow
- Support for multiple operation modes (manual / semi / auto)
- Editing of next broadcast message (input validation, field locking)
- Alternate ATIS messages with predefined or free text
- Manual correction of invalid incoming data
- Warning functions and alerts

Customisation
- Adaptable message content (runway condition, operational report)
- Configuration of graphical user interface (GUI)

Integration
- Support for telephone dial-in (also via VoIP)
- Standard interfaces for AWOS, AFTN, AMHS
- Shared data model with smartStrips and other smartTools
- Logging of data for legal purpose

Standards
- Compliant with ICAO & WMO regulations
- Maintain future changes (provided in product upgrades)

Safety
- Software assurance levels according to ED–109 (ESARR 6)
- Highest availability through special backup mechanisms