



smartMessenger

Part of the smartAIM Product Suite

The smart™ way to migrate to AMHS and SWIM

smart MESSENGER+

Date Created	Msg ID	Source	Originator	Subject
02/21/11 11:11	PRND-EPJACHD-ICACD-XXX:AD486ca30011447475120000099	gateway	EPKCDLU	SPOC31 CTRAG 2K
02/21/11 10:17	PRND-EPJACHD-ICACD-XXX:AD486ca30011447475120000099	gateway	EPKCDLU	EPK PND79Q IS -
02/21/11 07:57	PRND-EPJACHD-ICACD-XXX:AD486ca3001132a771400000063	gateway	EPKCDLU	VSAL21 AMRP 2K
02/21/11 06:57	PRND-EPJACHD-ICACD-XXX:AD486ca300113895251700000060	gateway	EPKCDLU	(2295) 10 NOTAMP
02/21/11 12:17	PRND-EPJACHD-ICACD-XXX:AD486ca3001139a4857290000054	gateway	EPKCDLU	SPOC31 CTRAG 2K
02/21/11 12:17	PRND-EPJACHD-ICACD-XXX:AD486ca3001139a4857290000054	gateway	EPKCDLU	EPK PND79Q IS -
02/21/11 12:17	PRND-EPJACHD-ICACD-XXX:AD486ca3001139a4857290000054	gateway	EPKCDLU	VSAL21 AMRP 2K
02/21/11 11:17	PRND-EPJACHD-ICACD-XXX:AD486ca300113477290000051	gateway	EPKCDLU	(2295) 10 NOTAMP
02/21/11 11:17	PRND-EPJACHD-ICACD-XXX:AD486ca300113477290000051	gateway	EPKCDLU	SPOC31 CTRAG 2K
02/21/11 11:17	PRND-EPJACHD-ICACD-XXX:AD486ca300113477290000051	gateway	EPKCDLU	EPK PND79Q IS -
02/21/11 11:17	PRND-EPJACHD-ICACD-XXX:AD486ca300113477290000051	gateway	EPKCDLU	VSAL21 AMRP 2K
02/21/11 11:17	PRND-EPJACHD-ICACD-XXX:AD486ca300113477290000051	gateway	EPKCDLU	(2295) 10 NOTAMP

Message History for Selected Message

Source	Destination	Time	Activity
message-epj	local-mlta	02/21/11 11:17	Local Submission
local-mlta	message-store	02/21/11 11:18	Delivered

Message Text | Message Header | IPM Recipients | Envelope Recipients | Full Details

FFL-FIN379Q-15
-A321/30-SDG/FRKXLY/3
-E890/425
-80442240 KLMT 086 8VD/304453340 08672 08LX/304473260 08672 2XL
U8174 WOODY 08672 2830X/304453370 U319 308P11
-1F90232 LF90
-EE7/E210014 E3A0005 EKDF0111 E8V0127 E8AA0147 E8R00005 LF90218
8E2/0812F SEL/GSBC 08672/318 SVV/SBV012A1 DAT/SV CODE/445198 806/12A3
DOE/100429 8V8/75 082H/EPKFF310)

Msg tag: 33

smart MESSENGER+

the

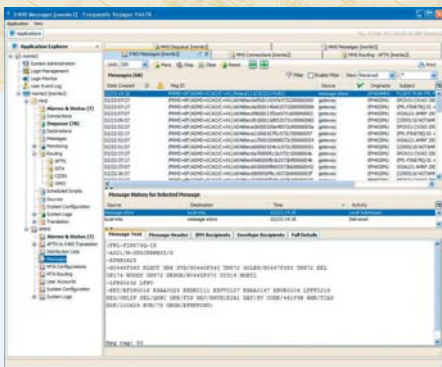


smartMessenger is a subsystem of smartAIM and SWIM. The support for the AMHS and SWIM in the same way as the other message formats in the aeronautical community including the configuration of the components of the system through one management application.

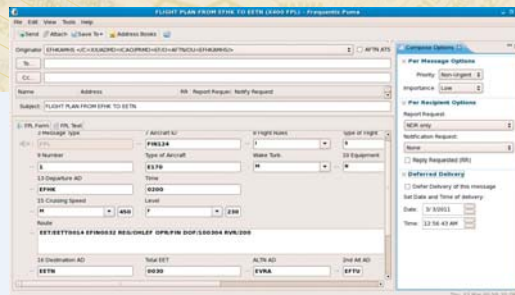
As a part of the smartAIM product suite smartMessenger is a high performance, high availability, easy-to-use and proven solution suitable for small installation with single site and large scale implementation with multiple sites and contingency systems.

smartMessenger fully supports the AMHS basic and extended services as defined in the ICAO AMHS SARPs, Eurocontrol AMHS Specifications and regional AMHS standards.

FREQUENTIS smartMessenger comes with a complete suite of fully integrated components and subsystems.



AMHS Message Browse Window



AMHS Message Compose Window with FPL Form

ATS MESSAGE SERVER

smartMessenger ATS Message Server includes a high performance Message Transfer Agent (MTA) and Message Store (MS) to support AMHS (X.400) message switching and storing.

- Supports P1, P3, P7 protocols
- Supports expansion of Distribution List
- Supports dual stack (OSI and IPS)
- Supports XF and CAAS addressing

AFTN/AMHS GATEWAY

smartMessenger AFNT/AMHS Gateway supports bi-directional conversion and conveyance of messages between AFTN and AMHS.

- Supports message priority mapping between AMHS and AFTN
- Supports conversion between AFTN and XF and CAAS address formats
- Supports message conversion with other message formats supported by the system including CIDIN, WMO, SITA/IATA, E-mail, Fax

SYSTEM MANAGEMENT

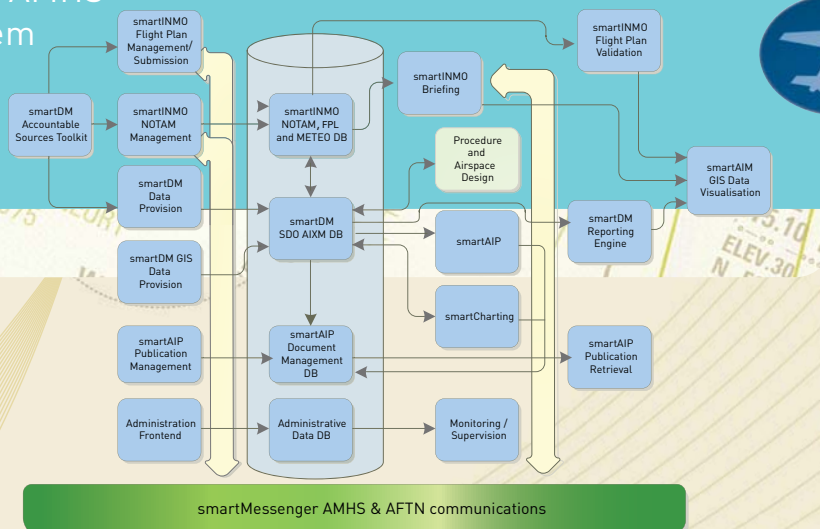
smartMessenger System Management application supports all functions required to configure, monitor and operate the system from one integrated application and one common HMI.

- Supports Configuration of all components of the system (AMHS, AFTN and AFTN/AMHS Gateway)
- Supports configuration of MTA, distribution lists, users, message conversion
- Monitor system status, generate alarms
- Log user's activities
- Manages messages by allowing the operator to browse, dequeue and compose messages and to trace the full history of messages

smart™ way to migrate to AMHS and SWIM

designed to ease the migration to AMHS
 IM is fully integrated into the system
 ts and procedures used by the
 ration and management of all
 management application and HMI.

smartMessenger – Part of the smartAIM product suite



FREQUENTIS

Daily Weekly Monthly Quarterly Yearly

Statistics as of Thursday, 2011-03-03 10:42:27 UTC, Current Week = Q1, Quarter = Q1

Statistics Reports - Daily (13)

Filter by Report Period: 2011-03-01 [Search] [Reset]

Report	Report Period	Last Modified	Size	Type
CSDB	2011-03-01	2011-03-02 10:30:05	0.846 KB	CSV
Clearance By Hour	2011-03-01	2011-03-02 10:30:12	63.479 KB	CSV
AIXM Max Change By Hour	2011-03-01	2011-03-02 10:30:08	0.306 KB	CSV
AIXM Reports By Hour	2011-03-01	2011-03-02 10:30:04	0.634 KB	CSV
AIXM Change By Hour	2011-03-01	2011-03-02 10:30:04	0.362 KB	CSV
AIXM Reports	2011-03-01	2011-03-02 10:30:04	0.629 KB	CSV
AIXM Change	2011-03-01	2011-03-02 10:30:04	0.324 KB	CSV
CSDB By Hour	2011-03-01	2011-03-02 10:30:05	0.469 KB	CSV
AIXM Messages	2011-03-01	2011-03-02 10:30:03	0.172 KB	CSV
AIXM Messages By Hour	2011-03-01	2011-03-02 10:30:03	0.175 KB	CSV
AIXM Max Change	2011-03-01	2011-03-02 10:30:05	0.629 KB	CSV
Clearance	2011-03-01	2011-03-02 10:30:08	2.129 KB	CSV
AIXM Peak Hour	2011-03-01	2011-03-02 10:30:03	0.121 KB	CSV

Daily Statistics Reports

STATISTICS SUBSYSTEM

Frequentis statistics subsystem collects circuit traffic statistics for all message types for which the system is configured with and store them into a RDBMS.

- Message Traffic reports can be generated for different periods or intervals (i.e daily, weekly, monthly, quarterly, yearly).
- statistical data stored in the RDBMS and can be used for trend analysis using third party tools such as Excel.

USER AGENT

FREQUENTIS User Agent provides all the tools to allow the operators to send and receive aeronautical messages in AMHS, AFTN and Internet E-mail (RFC-822) message formats from within one integrated application.

- Can be configured as an AMHS User Agent or AFTN Terminal or Internet E-mail client application
- Comes with Standard forms for entering Flight Plan, NOTAM, OPMET messages
- Supports File Transfer Body Part (FTBP) message attachments
- Comes with local address book and Directory Services for address lookup

DIRECTORY SERVICES

FREQUENTIS Directory Services manages information about AMHS entities and makes it available to users

- Provides address lookup for users
- Serves as validation source for message addressing
- Stores end users security certificates

SYSTEM MONITORING AND CONTROL (SMC)

Frequentis System Monitoring and Control (SMC) subsystem monitors all SNMP enabled hardware and software components of the system available through the customer's LAN/WAN.

- Comes with maps to help visualize network infrastructure
- Supports both polling and trapping techniques to collect data from monitored hosts
- Immediately informs users about new problems via E-mail or/and SMS
- Generates System Availability statistics

SOFTWARE CONFIGURATION MANAGEMENT

Frequentis Software Configuration Management subsystem is used for deploying and managing multiple software products across multiple systems.

- Provide a single management application that can install or update any number of existing systems simultaneously
- Guarantee identical software installations onto multiple machines with the click of a button.
- Maintains a version history of all software components. Software can not only be updated but also reverted.



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HIGH AVAILABILITY

smartMessenger is designed to be available 24 hours per day, 365 days a year, without interruption of service and without loss of messages. smartMessenger is configured with redundant hardware and software components throughout the system to support high availability.

HIGH PERFORMANCE

smartMessenger is one of the fastest messaging system available in the market. smartMessenger comes with a high performance X.400 Message Transfer Agent (MTA) for the routing of AMHS messages and a high speed queuing system for the routing of AFTN, CIDIN, SITA and WMO message formats.

SCALABLE

smartMessenger is fully scalable to support a wide range of customers's deployments from small system with single site to large installation with multiple sites with contingency systems

SUPPORTS ALL MESSAGE FORMATS AND COMMUNICATION PROTOCOLS

smartMessenger supports all the major international message formats (AMHS, AFTN, CIDIN, WMO, SITA/IATA) and communication interfaces and protocols used in the aeronautical community to meet all the ANSP/CAAs messaging and communication requirements.

INTEROPERABILITY WITH OTHER GLOBAL MESSAGING SERVICES

smartMessenger seamlessly integrates with other global messaging services (i.e. WMO, email) by supporting all the messages formats and message conversion within one fully integrated system.

EXPANDABLE

smartMessenger is designed with a high level of modularity allowing the customer to expand the system to accommodate new functional requirements, additional users and/or increase in transactions.

EASY TO OPERATE

smartMessenger comes with a modern User Agent application, modeled after Microsoft Outlook, that has an intuitive look and feel and is very easy to learn and operate.

MATURE SOLUTION

smartMessenger is a mature solution that is operational in a number of customer's sites around the world. smartMessenger has been fully tested and successfully passed AMHS Conformance and AMHS Interoperability testing.

COMPLIANCE TO STANDARDS

smartMessenger fully comply with all ICAO AMHS SARPs, Eurocontrol Community Specifications and regional standards.

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