

Telos AMHS: ITS Capability

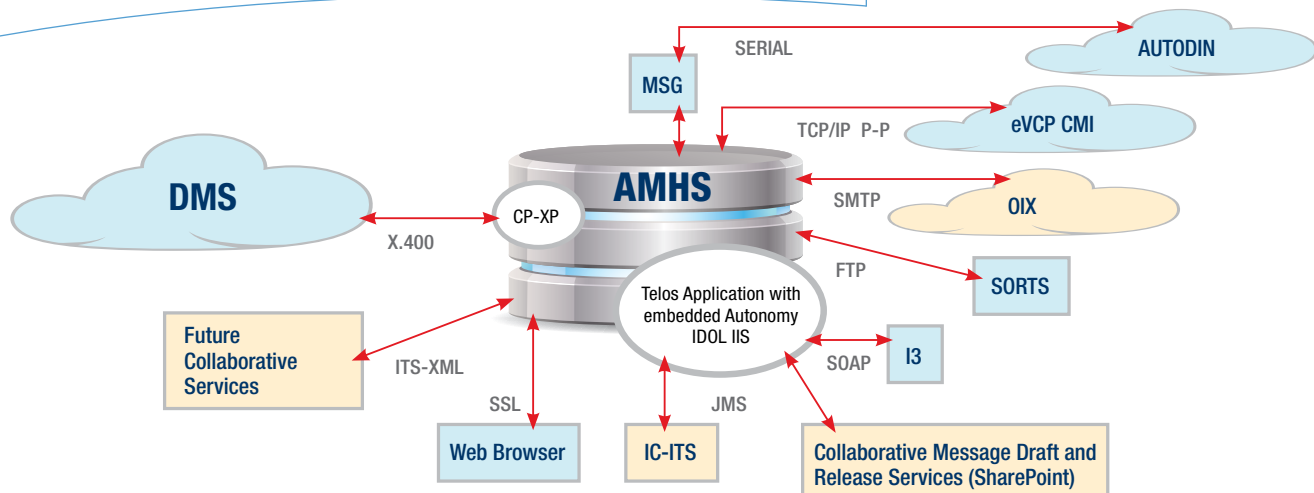
As the Department of Defense and the Intelligence Community look beyond current messaging networks to future addressed (push) messaging and social networking models, solutions are needed that are interoperable with existing legacy systems while supporting new standards and functionality. Evolutionary solutions, when carefully designed and efficiently implemented, improve operational capability while reducing infrastructure costs.

Telos AMHS ITS capability is the next-generation messaging capability that provides reliable, secure command and control-related information exchange by leveraging the current AMHS framework to reduce the total cost of ownership to operate and maintain a highly secure messaging system. Telos AMHS meets current and proposed requirements for official messaging standards, making it ideal to support all official messaging needs.

- » **Cost-effective** – AMHS dramatically lowers overall cost of ownership by:
 - Leveraging existing accredited Microsoft framework and existing Web-based solution
 - Utilizing existing AMHS investment (hardware, software and training) to support new functionality
 - Allowing existing AMHS enterprise organizations (SIPR and NIPR) to support JWICS requirements
 - Interoperating with the DoD Official Information eXchange (OIX) infrastructure
- » **Easy to use** – Message access, creation, and search use are very intuitive with Telos AMHS. Creation of user profiles, queries, and stored formats utilize a Telos developed user friendly GUI allowing the user to create and manage these features.
- » **Rapidly deployed** – Can be implemented quickly and easily; Telos AMHS uses common Microsoft hardware and software. The AMHS architecture has demonstrated scalability from a ruggedized laptop to a high availability clustered server/SAN environment. Access to legacy and DMS messages already stored in the messaging database is seamless.
- » **Flexible** – Telos AMHS is interoperable with a number of common systems including DMS and Legacy (AUTODIN). Interfaces to other protocols such as eVCP and CMI are implemented in AMHS.

- **The most widely deployed official messaging system in the government**
- **Projected lower total cost of ownership**
- **Fully compliant with all messaging security requirements at all classification levels, including PL3**
- **A Microsoft-based solution that meets all security accreditation requirements for the Intelligence Community**
- **Support for tactically deployed organizations through AMHS ITS JWICS interface**
- **Supports interoperability among coalition partners**
- **Interoperation with the DoD OIX messaging environment**

AMHS interfaces with the Legacy Translation Gateway (LTG) and the CEGWAY for Legacy Interoperability and with the Cross Domain Gateway (CDG) controlled interface between JWICS and SIPRNET.



TELOS AMHS IS FULLY COMPATIBLE WITH THE PROPOSED ITS BACKBONE

Telos AMHS has been in the mainstream of the ITS program from its inception supporting various IC customers.

The ITS XML IC Schema defines the format of the message and the associated metadata tags. AMHS has a fully qualified ITS client interface to the ITS broker and directory fabric and supports all key organizational messaging functionality. AMHS interfaces with the Legacy Translation Gateway (LTG) and the CEGWAY for Legacy Interoperability, and with the Cross Domain Gateway (CDG) controlled interface between JWICS and SIPRNET.

Flexible directory services now and in the future

The AMHS interfaces with the ITS Directory infrastructure to ensure synchronization of organizational addressees and their security attributes. These directory entries can either be cached within AMHS for quicker response or interactively using stored procedures with the ITS directory services.

ITS and OIX

The OIX XML format is similar to the Intelligence Community's ITS XML schema. Translation between XML schemas is a common practice and can be performed on AMHS to natively interface with ITS, OIX, DMS and other legacy formats. Cross domain information exchanges will be via the ITS CDG.

AMHS: the logical solution for organizational messaging today and tomorrow

AMHS allows the services, Intelligence Community and other government customers to leverage their existing investments in organizational messaging. Transition to ITS will be transparent to users as DMS and legacy interfaces will be supported for the foreseeable future. And, ITS will provide excellent support for tactically deployed organizations by capitalizing on the common AMHS user interface in an extremely small footprint with native ITS functionality.

ADVANTAGES OF ITS: NOTHING CHANGES EXCEPT PRODUCTIVITY (UP) AND COSTS (DOWN)

Existing Web Client

- All existing AMHS functionality maintained – search, profiling, DAC, etc.

Existing User Training

- Nothing required by readers
- Five-minute refresher/update for ITS drafters/releasers

Existing Server Hardware

- Reuse legacy systems for simplicity and cost-effectiveness

Existing Software

- ITS operates using the existing AMHS code base

Existing DoD PKI Infrastructure

Existing Functionality

- Still use DMS and legacy while also using ITS
- No hard cut-over

Existing Historical Data Store

- No data import or migration