



AEHF

ADVANCED EXTREME HIGH FREQUENCY SYSTEM

Network security experts analyze AEHF

Because the AEHF system will include devices connected to the Air Force Constellation Net, the AEHF program office is engaging the Air Force Space Command Certification and Accreditation Section to ensure all network security concerns are identified and mitigated during the development of the system.

Historically, early engagement with network security subject matter experts reduced or eliminated security modifications that must be resolved by redesign during the implementation phase of a system. It's well known that security modifications made during the implementation phase of a system are the most expensive and time consuming. Modifications required at implementation are best avoided with thorough analysis during the requirements phase. The AEHF program office is actively pursuing this objective.

E-Government Act

The E-Government Act (Public Law 107-347) passed by the 107th Congress and signed into law December 2002 recognized the importance of information security to the economic and national security interests of the United States. Title III of the E-Government Act, entitled the Federal Information Security Management Act, requires each federal agency to develop, document and implement an agency-wide program to provide information security for the information and information systems that support the operations and assets of the agency, including those provided or managed by another agency, contractor or other source.

FISMA protects the nation's Critical Information Infrastructure by requiring security categorization of information and information systems, selection of appropriate security controls for information systems, verification of security control effectiveness, determination of information system vulnerabilities and operational authorization for processing (security accreditation) of information systems. This leads to more consistent, comparable and repeatable evaluations of security controls applied to information systems, a better understanding of enterprise-wide mission risks resulting from the operation of information systems, more complete, reliable and trustworthy information for authorizing officials, more informed security accreditation decisions and more secure information systems within the federal government.

Submitted by Air Force Space Command

What is it?

The Advanced Extreme High Frequency program will provide near-worldwide, secure, survivable satellite communications to support strategic and tactical forces of the United States and its international partners during all levels of conflict.

The AEHF System is the follow-on to the Milstar system, augmenting and improving on the capabilities of Milstar and expanding the MILSATCOM architecture. The AEHF program will provide connectivity across the spectrum of mission areas, including land, air and naval warfare, special operations, strategic nuclear operations, strategic defense, theater missile defense, space operations and intelligence.