Defense Information System Network (DISN) - Archived 7/2007

Outlook

- The Defense Information System Network is currently being "absorbed" into the Global Information Grid (GIG)

- The Global Information Grid is a U.S. Department of Defense program to create an Internet-like network that enables weapons, other systems, and people to share information

- With the GIG absorbing the DISN, and barring any major DISN developments, Forecast International will archive this report in July 2007

Orientation

Description. The Defense Information System Network (DISN) is the long-haul telecommunication infrastructure of the U.S. Department of Defense. The DISN supports communication services – voice, data, and video – to U.S. warfighters and the organizations that support them.

Note: The DISN is a system composed of multiple systems. As such, the focus of this report is on the DISN as a whole rather than the individual systems that comprise it.

Sponsor
Defense Information Systems Agency (DISA)
   Arlington, VA

Joint Tactical Command, Control, and Communications Agency
   Washington, DC

National Security Agency
   Ft. Meade, MD

Status. Operational with ongoing systems development and implementation.

Application. Communications

Technical Data

The DISN consolidates more than 100 independent U.S. Department of Defense (DoD) networks into a single, integrated, global "infosphere" – a grid that provides connectivity on demand.

The DISN provides the transmission and switching of voice, data, video, and point-to-point bandwidth services for wide area, local area, metropolitan area, and long-haul networks. The DISN uses available

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commercial products and services, while providing the DoD with the degree of network control necessary to ensure rapid response to the warfighters. DISN integrated voice/imagery and data information transport will facilitate the management of information resources, be transparent to the warfighters, and be responsive to national security and defense needs under all conditions.

Program Review

In 2001, Defense Information System Network video services were tested to ensure operational effectiveness and suitability. In October 2002, the Defense Information Technology Contracting Office (DITCO) announced the award of the DISA task order for the U.S. DoD Teleport Generation One project. The Teleport project facilitates connectivity between the various military and commercial SATCOM systems and the DISN. In April 2004, the Initial Operational Capability (IOC) milestone for the Defense Information Systems Agency's Teleport program was reached.

Funding

The Defense Information System Network is a system composed of multiple systems. As such, the U.S. DoD joins its funding for the DISN with that of the individual systems that comprise the DISN. Consequently, the U.S. DoD does not list a line item in its budget dedicated solely to the Defense Information System Network.

Timetable

Year	Major Development
1991	Network prototype designs developed
1994	DISN interoperability test and evaluation
1995	Development and integration
1996	Asynchronous Transfer Mode (ATM) service introduced in the continental U.S.
1997	DISA begins expansion of ATM into theaters outside the continental U.S.
1998	Synchronous Optical Network-based (SONET) transmission infrastructure installation for the continental U.S. completed
2000	U.S. Department of Defense leases airtime services
2001	DISN video services tested to ensure operational effectiveness and suitability
2004	The IOC milestone for DISA's Teleport program is reached

Worldwide Distribution / Inventories

The Defense Information System Network is a **U.S. Department of Defense** program. Because the DISN supports the DoD's worldwide communications needs, NATO countries and other U.S. allied nations have been involved with the development of the Defense Information System Network.

Forecast Rationale

The Defense Information System Network (DISN) is the current long-haul telecommunication infrastructure of the U.S. Department of Defense. The DISN supports communication services – voice, data, and video – to U.S. warfighters and the organizations that support them.

The Defense Information System Network is currently being "absorbed" into the Global Information Grid (GIG). The Global Information Grid is a U.S. Department of Defense program to create an Internet-like network that enables weapons, other systems, and people to share information.

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Ten-Year Outlook

With no outlook forecast and the archiving of this report in July 2007, Forecast International has **omitted** the Ten-Year Outlook chart.

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