

Defense Message System

DMS

Northrop Grumman Information Technology (IT) has provided DMS support to the Air Force, Marine Corps, and Defense Information Systems Agency (DISA) for the past 12 years. This support includes: program management, engineering, network design, site survey, architectures, detailed design, implementation planning, testing, configuration management, integration, installation, help desk, and sustainment. We have participated in every aspect of DMS.



One Person Lift

Our early involvement included implementation and support of the Base Message Host, an early e-mail alternative for Air Force AUTODIN sites. We also supported the fielding and evaluation of the initial DMS Proof of Concept for DISA. In addition, we designed and fielded the Communications Support Processor (CSP), CSP to DMS Addressing Component (CDAC), and Secure Messaging and Routing Terminal (SMART) as AUTODIN processors and for DMS transition.

Northrop Grumman IT's involvement with the DMS-AF PMO resulted in 227 Air Force NIPRNET and 105 SIPRNET commissioned sites. We helped define five standard solution suites and developed a

standard template for each solution and for reporting site survey results. As work progressed, we performed Quality Assurance (QA) of implementation team site survey reports/designs. The Air Force's initial strategic site implementation is now complete.

Working hand-in-hand with DISA and the Air Force, Northrop Grumman IT helped develop the local testing and site commissioning procedures. In addition, we helped the Air Force activate a DMS-AF Test Lab where all DMS and supported products are tested and evaluated for compatibility and interoperability. Test examples include new release of DMS products, firewalls, and third-party software. Before the Air Force released DMS products to users, we helped test each version and ensure it was ready for release in the Air Force environment.

Northrop Grumman IT established and operated a 24x7 DMS-AF Help Desk that helped Air Force sites resolve DMS related problems. On numerous occasions, the Help Desk isolated problems residing in DISA and Air Force networks and systems. Our Help Desk proficiency off-loaded work from the DISA Regional Operations and Security Centers (ROSC) and was a big part in the Air Force being first among the Services and Agencies to commission strategic sites.

We helped develop the Air Force DMS deployable solution. We established an integration facility and a classroom where students were taught detailed designs, component configuration, and systems administration. This course was included in the Keesler Technical Training Center DMS curriculum. We integrated, configured, commissioned, and shipped tactical systems to Air Force units worldwide. This makes the Air Force the first service to have all their tactical DMS suites delivered and operational.

For Sensitive Compartmented Information (SCI) DMS, Northrop Grumman IT provides technical, engineering, programmatic, testing, and site support to Air Force Command Control Intelligence, Surveillance, and Reconnaissance



Tactical DMS

Center (AFC2ISRC) aimed at all Air Force SCI DMS users. We help design the DMS-AF SCI architecture, plan AUTODIN to DMS transition, wrote the CONOPs, address network issues, and perform site surveys at Air Force SCI locations.

We also install DMS equipment, test new releases, provide training, and serve on the Intelligence Community DMS Management Office. Finally, we provide site support at the CENTCOM RSC for SCI DMS.

Northrop Grumman IT supports the Marine Corps for collateral and SCI DMS to include: program management, engineering, site survey, installation, technical, training development and instruction, and on-site support. As such, we instructed Marine Corps personnel on DMS systems administration and helped author the new DMS technical training course. We also helped solve the remote DMS access problem, provided recommendations for evolution from DMS 2.2 to 3.0, and recommended a Marine Corps Management Workstation architecture. Finally, we authored the DMS Top Secret Collateral CONOPs and Local Control Center Consolidation Study.

Northrop Grumman IT is uniquely postured to work with organizations as they transition to DMS 3.0 and Certificate Authority Workstation (CAW) 4.2.3 and beyond. We work on a daily basis to help solve operational problems with the current DMS. We are also involved in testing and evaluation of DMS 3.0. As such, we can provide real insight and solid recommendations as organizations move to the improved functionality of the new DMS releases.

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DMS-004-02