

Audit



Report

OFFICE OF THE INSPECTOR GENERAL

PHASEOUT OF THE AUTOMATIC DIGITAL NETWORK

Report No. 97-031

November 25, 1996

Department of Defense

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Acronyms

ASC	AUTODIN Switching Center
AUTODIN	Automatic Digital Network
DISA	Defense Information Systems Agency
DMS	Defense Message System



INSPECTOR GENERAL
DEPARTMENT OF DEFENSE
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November 25, 1996

**MEMORANDUM FOR DIRECTOR, DEFENSE INFORMATION SYSTEMS
AGENCY**

**SUBJECT: Audit Report on the Phaseout of the Automatic Digital Network
(Report No. 97-031)**

We are providing this audit report for review and comment. We considered management comments on a draft of this report when preparing the final report. We performed the audit in response to your request for an audit of the plans to phaseout the Automatic Digital Network.

DoD Directive 7650.3 requires that all recommendations be resolved promptly. The Defense Information Systems Agency reconciled the DoD Master Plan with the Military Departments' plans in response to Recommendation 3., but the DoD Master Plan and the Military Departments' plans still do not list the same circuits. Therefore, we request that you reconsider the adequacy of that reconciliation and provide comments on the unresolved recommendation by January 22, 1997.

We appreciate the courtesies extended to the audit staff and we hope the report meets your needs. Questions on the audit should be directed to Mr. Robert M. Murrell, Audit Program Director, at (703) 604-9507 (DSN 664-9507) or Mr. John C. Mundell, Audit Project Manager, at (703) 604-9508 (DSN 664-9508). See Appendix F for the report distribution. The audit team members are listed inside the back cover.

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Office of the Inspector General, DoD

Report No. 97-031
(Project No. 6RD-6016.02)

November 25, 1996

Phaseout of the Automatic Digital Network

Executive Summary

Introduction. We performed this audit in response to a request from the Director, Defense Information Systems Agency. The Automatic Digital Network is a messaging system DoD has used since 1962 to exchange messages electronically among its organizations. The Automatic Digital Network is a highly labor-intensive system, based on obsolete technology. In January 1988, DoD began developing the Defense Message System to replace the Automatic Digital Network. The Defense Message System will allow users at all DoD organizations to transmit messages electronically directly from the originator of the message to the intended recipient. As of June 12, 1996, the Defense Information Systems Agency was finalizing the draft DoD Master Plan for phasing out the Automatic Digital Network. The Defense Information Systems Agency will use the DoD Master Plan as a baseline to prepare individual closure plans to terminate operations at Automatic Digital Network switching centers. Completion of the transition from the Automatic Digital Network to the Defense Message System was expected by December 31, 1999.

Audit Objectives. The primary objective was to determine the effectiveness of DoD plans to phase out the Automatic Digital Network. Specifically, we assessed:

- o the effectiveness of plans by the Defense Information Systems Agency and the Military Departments to phase out the Automatic Digital Network and

- o the feasibility of phasing out the Automatic Digital Network before December 31, 1999.

We also reviewed the adequacy of the management control program as it applied to the primary audit objective. The audit did not evaluate the effects of Voluntary Separation Incentive Pay on the Automatic Digital Network program office as requested, because the Defense Information Systems Agency was performing a study of the Communications Services Division, which included the Automatic Digital Network program office. The purpose of the study was to quantify the minimum staffing needed in the Communications Services Division.

Audit Results. The draft DoD Master Plan and draft Military Departments' plans for the phaseout of the Automatic Digital Network before December 31, 1999, were generally adequate, but the Automatic Digital Network circuits the Military Departments' plans identified did not match circuits listed in the draft DoD Master Plan. As a result, the plans did not identify the phaseout of all circuits and circuits may not be identified in the closure plans for each Automatic Digital Network switching center. Identification of all the circuits in the plans will better facilitate the phaseout of the Automatic Digital Network. The management controls we reviewed were effective in that we did not identify a material weakness in the controls. For details of the audit results, see Part I.

Summary of Recommendations. We recommend that all plans show the Command Communications Service Designators for all the circuits at each switching center. We

also recommend that circuits moved from one Automatic Digital Network switching center to another are reconnected to one of the last four remaining Automatic Digital Network switching centers.

Management Comments. The Director, Defense Information Systems Agency, concurred with the finding and recommendations and stated that circuits were reconciled to the DoD Master Plan, dated August 28, 1996. Although not required to comment, the Air Force agreed with the report finding. See Part I for a summary of management comments and Part III for the complete texts of management comments.

Audit Response. Although the Director, Defense Information Systems Agency, concurred with the finding and recommendations, the Defense Information Systems Agency did not accurately reconcile the circuits in the DoD Master Plan to the Military Departments' and Defense agencies' plans. We request additional comments from the Director, Defense Information Systems Agency, by January 22, 1997, regarding the unresolved recommendation.

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Part I - Audit Results

Audit Background

History and Management of AUTODIN. The Automatic Digital Network (AUTODIN) is a messaging system used by DoD since 1962 to exchange messages electronically among DoD organizations. The AUTODIN allows DoD to transmit messages ranging from unclassified to top secret and sensitive compartmented information. Selected users in non-DoD organizations also use AUTODIN to exchange messages electronically with DoD. The Defense Information Systems Agency (DISA) manages AUTODIN operations and maintains an inventory of AUTODIN circuits. The AUTODIN requires specialized telecommunications personnel to encrypt, transmit, receive, and decrypt messages at any classification level and then to distribute the messages to the recipients. Because AUTODIN is a highly labor-intensive system based on obsolete technology, DoD planned to phase out AUTODIN.

Phaseout of AUTODIN. In January 1988, DoD began developing the Defense Message System (DMS) to replace AUTODIN. The DMS will allow users at all DoD organizations to transmit electronically messages of all classification levels directly from the originator to the intended recipient. DISA was developing the DMS and planned to complete the transition from AUTODIN to the DMS by December 31, 1999. On November 16, 1995, the Assistant Secretary of Defense (Command, Control, Communications and Intelligence) tasked the Military Departments and Defense agencies to develop a plan for the phaseout of AUTODIN by December 31, 1999. The non-DoD organizations using AUTODIN were asked to develop a similar plan. DISA was responsible for consolidating all the plans and for preparing the DoD Master Plan for the phaseout of AUTODIN. DISA will use the DoD Master Plan as a baseline to prepare closure plans to terminate operations at each AUTODIN switching center (ASC). For the purpose of this audit, we reviewed the draft DoD Master Plan and the draft Military Departments' plans.

Audit Objectives

Our primary objective was to determine the effectiveness of DoD plans to phase out AUTODIN. Specifically, we assessed:

- o the effectiveness of plans by DISA and the Military Departments to phase out AUTODIN and
- o the feasibility of phasing out AUTODIN before December 31, 1999.

We also reviewed the adequacy of the management control program as it applied to the primary audit objective. We did not evaluate the effects of Voluntary Separation Incentive Pay on the AUTODIN program office as requested, because DISA was performing a study of the Communications Services Division, which included the AUTODIN program office. The purpose of the study was to quantify the minimum staffing needed in the

Communications Services Division. See Appendix A for a discussion of the audit scope and methodology and the results of the review of the management control program and for information on related prior audit coverage.

Phaseout Plans for the Automatic Digital Network

The draft DoD Master Plan and draft Military Departments' plans for the phaseout of AUTODIN before December 31, 1999, were generally adequate, but the AUTODIN circuits the Military Departments' plans identified did not match circuits listed in the draft DoD Master Plan. The inconsistencies in the plans occurred because DISA did not reconcile the draft Military Departments' plans to the draft DoD Master Plan. As a result, the DoD Master Plan did not provide a comprehensive list of circuits to be phased out. In addition, the DISA closure plans for each ASC may not identify all the circuits to be rehomed¹ or terminated.

Planning for the Phaseout of AUTODIN

Description of Phaseout Plans. As of June 12, 1996, DISA was finalizing the draft DoD Master Plan. DISA planned to include the Military Departments' plans as annexes to the DoD Master Plan. The DoD Master Plan and the Military Departments' plans discuss responsibilities and assumptions and list the ASCs and related circuits. The DoD Master Plan contains a contingency plan to retain a Government-owned ASC in the event of delays in the implementation of the DMS. The Military Departments' plans generally listed the action to either rehome or terminate the circuit at each ASC and the date for rehoming or terminating the circuits.

Adequacy of Phaseout Plans. The draft DoD Master Plan and the draft Military Departments' phaseout plans were generally adequate, but contained the following inconsistencies.

- o Only the draft DoD Master Plan and the draft Army plan list Command Communications Service Designators, which are used to identify the circuits at each ASC. If the Military Departments do not list Command Communications Service Designators in their plans, DISA may not be able to identify or reconcile circuits when developing individual ASC closure plans.

- o The draft Military Departments plans listed 50 circuits that were not listed on the draft DoD Master Plan, and the draft DoD Master Plan listed 39 circuits that were not listed on the draft Military Departments' plans. Appendix B lists those circuits. Without a complete universe of circuits, the individual ASC closure plans may exclude circuits for rehoming or termination because they were not identified in the DoD Master Plan.

- o One Navy and three Air Force circuits may be rehomed twice because they are not shown in the plans to be initially rehomed to one of the last

¹A circuit is rehomed by moving it from one ASC to another ASC.

four ASCs² planned for closure in December 1999. Appendix C lists those circuits. The draft Army phaseout plan did not identify where 112 of the 116 Army circuits would be rehomed. For DISA to verify that circuits are not being rehomed twice, the Army phaseout plan should list where all circuits are being rehomed.

The DISA attempted to coordinate with the Military Departments to obtain their AUTODIN phaseout plans. However, Military Department representatives did not attend all the DISA meetings to discuss the phaseout of AUTODIN. DISA did not reconcile the Military Departments' plans to the DoD Master Plan because the Military Departments did not prepare their plans in a standard format and because the Military Departments did not furnish their preliminary draft plans to DISA until May 1996. Additionally, DISA did not establish a standard format for the plans because the Military Departments had already started work before DISA began coordinating the phaseout plans and because DISA had to furnish the plans to the Assistant Secretary of Defense (Command, Control, Communications and Intelligence) by June 17, 1996. To better facilitate the phaseout of AUTODIN, the Military Departments should list the Command Communications Service Designator for each circuit and should designate to which of the four ASCs circuits could be rehomed. DISA should then reconcile the circuits identified by the Military Departments to circuits listed in the draft DoD Master Plan.

Phaseout of AUTODIN Before December 31, 1999

Requirements for Phasing Out AUTODIN. After the planned closure of the Taegu, Korea, ASC in 1996, DISA plans to close the remaining 10 ASCs by December 31, 1999. DISA plans to close one ASC in 1997, three in 1998, one in April 1999, and one in September 1999. The remaining four ASCs are scheduled to close in December 1999 if the following conditions are met:

- o special intelligence requirements are satisfied by DMS over the Joint Worldwide Intelligence Communications System,
 - o the Multi-Function Interpreter provides messaging interoperability,
 - o the DMS address directories contain all necessary information,
 - o the base-level infrastructure for DMS is in place,
 - o enough personnel are in place to ensure the proper operation of DMS,
- and

²The last four ASCs to close are Fort Detrick, Maryland; Hancock, New York; Honolulu, Hawaii; and Pirmasens, Germany.

o funding is available to upgrade DoD office automation systems to DMS compliant capabilities.

Feasibility of Phaseout Plans and Closing AUTODIN Early. It is premature at this time to determine whether the plans to phase out AUTODIN will be met and whether AUTODIN can be closed earlier than the planned date of December 31, 1999. The initial operational test and evaluation was to demonstrate whether unclassified DMS messages meet the requirements in the DISA "Required Operational Messaging Characteristics," May 1994, and whether DMS will interface with non-DMS systems. In addition, DISA must verify the interoperability of DMS with the Fortezza security card.

After the completion of initial operational test and evaluation and the testing of the Fortezza card, DISA will be able to determine whether AUTODIN can be phased out earlier than planned. Decisions to terminate AUTODIN before December 31, 1999, must also consider the length of time needed to implement DMS at all sites. According to a DISA official and the Military Departments' plans, it takes from 9 to 12 months to implement DMS at a site, beginning with the first visit to assess the infrastructure at the site.

Recommendations, Management Comments, and Audit Response

We recommend that the Director, Defense Information Systems Agency:

1. Request the Military Departments to list Command Communications Service Designators in their phaseout plans to identify the circuits at each Automatic Digital Network switching center.

DISA Comments. The Director concurred, stating that the August 28, 1996, DoD Master Plan incorporates the Command Communications Service Designators for the Military Department circuits to be phased out.

Air Force Comments. Although not required to comment, the Air Force stated that it has incorporated the Command Communications Service Designators into its plan.

2. Request the Military Departments to propose in their plans one of the following Automatic Digital Network switching centers for each circuit that needs to be rehomed: Fort Detrick, Maryland; Hancock, New York; Honolulu, Hawaii; or Pirmasens, Germany.

DISA Comments. The Director partially concurred, stating that a circuit not rehomed to one of the four ASCs mentioned in the recommendation will transition to the DMS before the closure of the ASC to which the circuit will be rehomed.

Air Force Comments. Although not required to comment, the Air Force stated that its two circuits not rehomed to one of the four ASCs will transition to the DMS before the closure of the ASC to which the circuit will be rehomed.

Audit Response. The Director's comments meet the intent of the recommendation, and no further comments are required.

3. Reconcile the circuits listed in the Military Departments' plans to the universe of the Automatic Digital Network circuits reflected in the DoD Master Plan.

DISA Comments. The Director concurred, stating that the reconciliation of the circuits between the Military Departments' plans and the DoD Master Plan was completed with the publication of the DoD Master Plan, dated August 28, 1996. The Director also provided a detailed response to all circuit discrepancies identified in Appendix B.

Air Force Comments. Although not required to comment, the Air Force stated that the circuits listed in the DoD Master Plan have been reconciled with the latest revision of the Air Force plan.

Audit Response. The DISA Director's comments are not responsive because the DoD Master Plan and the Military Departments' plans still do not list the same circuits. Although not part of our original audit scope, we reviewed the Defense agencies' plans that DISA included in the DoD Master Plan. The DoD Master Plan and the Defense agencies' plans also do not list the same circuits. Further, we identified errors in the Command Communications Service Designators listed in the DoD Master Plan and the Military Departments' plans. Appendix D lists the circuits and errors we identified. We request that the Director, DISA, reconsider the adequacy of the August 1996 reconciliation and provide additional comments in response to the final report.

Part II - Additional Information

Appendix A. Audit Process

Scope and Methodology

Review of the Phaseout of AUTODIN. To assess planning for the phaseout of AUTODIN, we interviewed officials in the Office of the Assistant Secretary of Defense (Command, Control, Communications and Intelligence); DISA; and the Military Departments. We reviewed the following draft plans:

- o "Department of Defense Master Plan for the Phase-Out of the Automatic Digital Network (AUTODIN)," April 26, 1996;
- o "Department of the Army AUTODIN Phase-Out Plan," May 17, 1996;
- o "Department of the Navy AUTODIN Phase-Out/DMS Phase-In Plan (DAPP)," May 1, 1996; and
- o "United States Air Force AUTODIN Phase-Out Plan," May 9, 1996.

We reviewed the contracts for the operation and maintenance of AUTODIN to determine whether any contractual requirements would hinder the phaseout of AUTODIN or the implementation of DMS. Also, we reviewed documentation, dated from September 1986 through June 1996, that was related to the development of DMS and to the operation and phaseout of AUTODIN.

Audit Period, Standards, and Locations. We performed this program audit from March through June 1996 in accordance with auditing standards issued by the Comptroller General of the United States, as implemented by the Inspector General, DoD. We included tests of management controls considered necessary. We did not use computer-processed data or statistical sampling procedures for this audit. A list of organizations visited or contacted is in Appendix E.

Management Control Program

DoD Directive 5010.38, "Internal Management Control Program," April 14, 1987, requires DoD organizations to implement a comprehensive system of management controls that provides reasonable assurance that programs are operating as intended and to evaluate the adequacy of the controls.

Scope of Review of the Management Control Program. We reviewed the adequacy of DISA management controls over the coordination and planning of the phaseout of AUTODIN. Specifically, we reviewed how DISA coordinated and prepared the draft DoD Master Plan for the phaseout of AUTODIN. We did not assess management's self-evaluation of those controls.

Adequacy of Management Controls. DISA management controls were effective in that we identified no material management control weaknesses.

Summary of Prior Audits and Other Reviews

There has been no previous audit coverage of AUTODIN during the last 5 years.

Appendix B. Circuits Not Listed Consistently

The following 50 circuits listed in the draft Military Departments' plans were not listed in the draft DoD Master Plan.

<u>Albany AUTODIN Switching Center</u>	<u>Military Department</u>
Joint Interoperability Test Center, Cheltenham, Maryland	Navy
MacDill Air Force Base, Florida	Air Force
Maxwell Air Force Base, Alabama	Air Force
Medina Annex, Texas	Air Force
Moody Air Force Base, Georgia	Air Force
Offutt Air Force Base, Nebraska	Air Force
Patrick Air Force Base, Florida	Air Force
Randolph Air Force Base, Texas	Air Force
Robins Air Force Base, Georgia (2 circuits)	Air Force
U.S. Atlantic Command Norfolk, Virginia (Improved Emergency Message Automated Transmission System)	Navy
<u>Yokota AUTODIN Switching Center</u>	
Anderson Air Base, Guam	Air Force
Commander, Submarine Group Seven, Yokosuka, Japan	Navy
Naval Computer and Telecommunications Station, Far East, Japan	Navy
Naval Criminal Investigative Service, Yokosuka, Japan	Navy
Naval Security Group Activity, Kunia, Hawaii	Navy
Naval Security Group Department, Guam	Navy
Naval Telecommunications Center, Chinhae, Korea	Navy
<u>McClellan AUTODIN Switching Center</u>	
Corozal, Panama	Army
Fleet Intelligence Center, Pearl Harbor, Hawaii	Navy
Fort Huachuca, Arizona	Army
Fort Richardson, Alaska	Army
Huntington, California	Army
Marine Corps Telecommunications Center, Camp Pendleton, California	Navy
Naval Computer and Telecommunications Area Master Station, Eastern Pacific, Hawaii	Navy
Naval Computer and Telecommunications Area Master Station, Eastern Pacific, Hawaii (UYK-83V)	Navy
Naval Computer and Telecommunications Station, Puget Sound, Washington	Navy
Naval Computer and Telecommunications Station, San Diego, California	Navy
Naval Criminal Investigative Service, El Toro, California	Navy
Naval Criminal Investigative Service, San Diego, California	Navy

Appendix B. Circuits Not Listed Consistently

<u>McClellan AUTODIN Switching Center (continued)</u>	<u>Military Department</u>
Naval Security Group Department, San Diego, California	Navy
Naval Telecommunications Center, North Island, California	Navy
Naval Telecommunications Center, Pearl Harbor, Hawaii	Navy
 <u>Croughton AUTODIN Switching Center</u>	
Naval Security Group Activity, Naples, Italy	Navy
 <u>Tinker AUTODIN Switching Center</u>	
Commander, Submarine Group Nine	Navy
Naval Computer and Telecommunications Station, Puget Sound, Washington	Navy
Naval Criminal Investigative Service, Memphis, Tennessee	Navy
Wright-Patterson Air Force Base, Ohio	Air Force
 <u>Andrews AUTODIN Switching Center</u>	
Class E Cheltenham, Maryland	Navy
Fleet Intelligence Center, Norfolk, Virginia	Navy
Laurel, Maryland	Navy
Naval Computer and Telecommunications Station, San Diego, California	Navy
Naval Computer and Telecommunications Station, Roosevelt Roads, Puerto Rico	Navy
Naval Computer and Telecommunications Station, Washington, District of Columbia	Navy
Naval Criminal Investigative Service, Roosevelt Roads, Puerto Rico	Navy
Naval Security Group Activity, Northwest, Virginia	Navy
Naval Telecommunications Center, Breezy Point, Virginia	Navy
Naval Telecommunications Center, Hampton Roads, Virginia	Navy
Office of Naval Intelligence, Suitland, Maryland	Navy
Site R, Pennsylvania	Army

Appendix B. Circuits Not Listed Consistently

The draft DoD Master Plan listed the following 39 circuits that were not listed in the draft Military Departments' plans.

<u>Albany AUTODIN Switching Center</u>	<u>CCSD*</u>	<u>Military Department</u>
Birmingham, Alabama	JUEE7Z06	Air Force
Columbus Air Force Base, Mississippi	JUEE7L86	Air Force
Shaw Air Force Base, South Carolina	JUEE7H18	Air Force
<u>Yokota AUTODIN Switching Center</u>		
Command Post Tango, Korea	UUEESNBT	Army
Kunia, Hawaii	UDNL109J	Army
Yokosuka, Japan	BDIL25JD	Navy
Yokosuka, Japan	BEESEAG	Navy
Yokosuka, Japan	BJPEKMY8	Navy
Yokosuka, Japan	CDKE25VQ	Navy
<u>McClellan AUTODIN Switching Center</u>		
Camp Pendleton, California	DUEE7D81	Navy
Camp Pendleton, California	JDIL25MR	Navy
Camp Smith, Hawaii	BDIL25PC	Navy
Fort Richardson, Alaska	UDIE25MU	Army
Imperial Beach, California	BDNL104T	Navy
Los Angeles, California	UUEE7B94	Army
North Island, California	BUEE7D05	Navy
North Island, California	BUEE7Y65	Navy
Pearl Harbor, Hawaii	BJPEA217	Navy
San Diego, California	BUEE7F71	Navy
San Diego, California	BUEE7T90	Navy
Santa Ana, California	BUEE7T51	Navy
Sharpe Depot, California	NUEE7B71	Navy
Wahiawa, Hawaii	BJPEA696	Navy
<u>Croughton AUTODIN Switching Center</u>		
Agnano, Italy	BUEE9HRV	Navy
Keflavik, Iceland	BUEE263D	Navy
Stuttgart, Germany	UUEE9HVY	Army
Vaihingen, Germany	UDIE25EE	Army
<u>Tinker AUTODIN Switching Center</u>		
Bangor, Washington	BUEE7E96	Navy
Bangor, Washington	BUEE7E98	Navy
Battle Creek, Michigan	NSUE7G27	Navy
White Sands Missile Range, New Mexico	JDIL25NG	Air Force

*Command Communications Service Designator

Appendix B. Circuits Not Listed Consistently

<u>Andrews AUTODIN Switching Center</u>	<u>CCSD*</u>	<u>Military Department</u>
Chesapeake, Virginia	BDNL104A	Navy
Norfolk, Virginia	BDIL25AW	Navy
Norfolk, Virginia	BUEE7A16	Navy
Norfolk, Virginia	BUEE7B04	Navy
Offutt Air Force Base, Nevada	JJDE7H60	Air Force
San Diego, California	BUEE7T47	Navy
Suitland, Maryland	BDIL25AF	Navy
Suitland, Maryland	BDIL25AL	Navy

*Command Communications Service Designator

Appendix C. Rehomed Circuits

As shown in their respective draft plans, the Navy and Air Force inappropriately plan to rehome* four circuits from the McClellan, California, AUTODIN switching center (ASC) to the Tinker, Oklahoma, ASC rather than to one of the last four ASCs to be closed. Those Navy and Air Force circuits follow.

Navy

- o Marine Corps Telecommunication Center, Camp Pendleton, California

Air Force

- o Las Vegas, Nevada
- o Nellis Air Force Base, Nevada
- o Peterson Air Force Base, Colorado

The last four ASCs to close follow.

- o Fort Detrick, Maryland
- o Hancock, New York
- o Honolulu, Hawaii
- o Pirmasens, Germany

*A circuit is rehomed by moving it from one ASC to another ASC.

Appendix D. Reconciliation of DoD Master Plan

The following nine circuits listed in the Military Departments' or Defense agencies' plans were not listed in the DoD Master Plan, August 28, 1996.

<u>Albany AUTODIN Switching Center</u>	<u>CCSD*</u>	<u>Responsible Service/Agency</u>
Joint Interoperability Test Center, Cheltenham, Maryland Hurlbert Field, Florida McDill Air Force Base, Florida	BUEE7U53 JUEE7E29 JUEE7ACG	Navy Air Force Air Force
<u>Yokota AUTODIN Switching Center</u>		
Yongsan, Korea	UDIE25RK	Army
<u>McClellan AUTODIN Switching Center</u>		
Corozal, Panama	UUEEG884	Army
<u>Tinker AUTODIN Switching Center</u>		
Redstone Arsenal, Alabama Whitesands, New Mexico	Unknown UDIL25NG	Army Army
<u>Andrews AUTODIN Switching Center</u>		
Joint Interoperability Test Center, Cheltenham, Maryland Newark Air Force Base, Ohio	BUEE7E17 JUEE7U95	Navy Air Force

*Command Communications Service Designator

Appendix D. Reconciliation of DoD Master Plan

The August 28, 1996, DoD Master Plan listed the following 24 circuits that were not listed in the Military Departments' or Defense agency plans.

<u>Albany AUTODIN Switching Center</u>	<u>CCSD*</u>	<u>Responsible Service/Agency</u>
Pentagon, Washington, D.C.	CDME2633	Army
McDill Air Force Base, Florida	RC7E7ZWK	Air Force
<u>Yokota AUTODIN Switching Center</u>		
Camp Red Cloud, Korea	UDIL25RH	Army
Camp Red Cloud, Korea	UDIE25RH	Army
Kunia, Hawaii	UDNL109J	Army
Command Post Tango, Korea	UUEESNBT	Army
Undetermined	UDIE25RZ	Army
Undetermined	UDIL25RE	Army
Camp Humphreys, Korea	JHDESNAE	Air Force
Kunson Air Base, Korea	JJPESA3A	Air Force
Osan Air Base, Korea	JDIL25RC	Air Force
Osan Air Base, Korea	JHDESNAE	Air Force
Osan Air Base, Korea	JUEESNAZ	Air Force
<u>McClellan AUTODIN Switching Center</u>		
Commander, U.S. Forces	RC7E7K11	Navy
Commander, U.S. Forces	RC7E7ZKT	Air Force
Los Angeles Air Force Station, California	JUEE7B94	Air Force
Tracy, California	NSUE7U86	Defense Logistics Agency
<u>Croughton AUTODIN Switching Center</u>		
Stuttgart, Germany	UUEE9HVY	Army
Keflavik, Iceland	BUEE263D	Navy
Brussels, Belgium	NUED9GBL	Defense Logistics Agency
<u>Andrews AUTODIN Switching Center</u>		
Pentagon, Washington, D.C.	CDME2632	Army
Suitland, Maryland	BDIL25AF	Navy
Commander, U.S. Forces	RC7E7ZVQ	Navy
Dayton, Ohio	NSUE7M45	Defense Logistics Agency

*Command Communications Service Designator

Appendix D. Reconciliation of DoD Master Plan

The following 12 circuits have an error in the Command Communications Service Designator.

	CCSD* in the DoD Master Plan	CCSD* in the Military Department Plan	Military Department
<u>Yokota AUTODIN Switching Center</u>			
Seoul, Korea	UDIE25JD	UDIE25JP	Army
<u>McClellan AUTODIN Switching Center</u>			
Fort Irwin, California	UDIE25NK	UDIL25NK	Army
<u>Croughton AUTODIN Switching Center</u>			
Aviano Air Base, Italy	JUEE9GPE	JUEE9GPA	Air Force
<u>Tinker AUTODIN Switching Center</u>			
Fort Bliss, Texas	UDIE25TV	UDIL25TV	Army
Fort Leavenworth, Kansas	UDIE25TQ	UDIL25TQ	Army
Fort Leonard Wood, Missouri	UKIL25TG	UDIL25TG	Army
Fort Riley, Kansas	UDIE25TR	UDIL25TR	Army
Fort Sam Houston, Texas	UDIE25TX	UDIL25TX	Army
Fort Sill, Oklahoma	UDIE25TU	UDIL25TU	Army
<u>Andrews AUTODIN Switching Center</u>			
Fort Richie, Maryland	UDIE25AV	CDIE25AV	Army
Hunter Army Air Force, Georgia	UDIE25AN	UDIL25AN	Army
Linthicum, Maryland	UCSE7A64	UC5E7A64	Army

The following two sets of circuits have the same Command Communications Service Designator listed in the DoD Master Plan.

	CCSD*	Military Department
<u>Yokota AUTODIN Switching Center</u>		
Osan Air Base, Korea	JHDESNSAE	Air Force
Camp Humphreys, Korea	JHDESNSAE	Air Force

Neither circuit is listed in the Air Force plan.

Croughton AUTODIN Switching Center

Naples, Italy	BDNL111Q	Navy
Agnano, Italy	BDNL111Q	Navy

The circuit at Naples, Italy, is listed in the Navy plan.

*Command Communications Service Designator

Appendix E. Organizations Visited or Contacted

Office of the Secretary of Defense

Assistant Secretary of Defense (Command, Control, Communications and Intelligence),
Washington, DC

Department of the Army

1110th U.S. Army Signal Battalion, Fort Detrick, MD
U.S. Army Information Systems Management Activity, U.S. Army Information
Systems Command, Fort Monmouth, NJ

Department of the Navy

Space and Naval Warfare Systems Command, Arlington, VA

Department of the Air Force

Deputy Chief of Staff, Communications and Information, Arlington, VA
Headquarters, Standard Systems Group, Air Force Materiel Command, Maxwell Air
Force Base-Gunter Annex, AL

Other Defense Organization

Defense Information Systems Agency, Arlington, VA
Chief of Staff, Arlington, VA
Comptroller, Arlington, VA
Inspector General, Arlington, VA
Directorate for C4 and Intelligence Programs, Arlington, VA
Directorate for Operations, Arlington, VA
Directorate for Procurement and Logistics, Arlington, VA
Defense Information Technology Contracting Office, Arlington, VA

Appendix F. Report Distribution

Office of the Secretary of Defense

Under Secretary of Defense (Comptroller)
Deputy Chief Financial Officer
Deputy Comptroller (Program/Budget)
Assistant Secretary of Defense (Command, Control, Communications and Intelligence)
Assistant to the Secretary of Defense (Public Affairs)
Director, Defense Logistics Studies Information Exchange

Department of the Army

Director, Information Systems for Command, Control, Communications and Computers
Auditor General, Department of the Army

Department of the Navy

Assistant Secretary of the Navy (Financial Management and Comptroller)
Director, Navy Space and Electronic Warfare (N6), Office of the Chief of Naval Operations
Auditor General, Department of the Navy

Department of the Air Force

Assistant Secretary of the Air Force (Financial Management and Comptroller)
Deputy Chief of Staff, Communications and Information
Auditor General, Department of the Air Force

Other Defense Organizations

Director, Defense Contract Audit Agency
Director, Defense Information Systems Agency
Director, Defense Logistics Agency
Director, National Security Agency
Inspector General, National Security Agency
Inspector General, Defense Intelligence Agency

Non-Defense Federal Organizations and Individuals

Office of Management and Budget
Technical Information Center, National Security and International Affairs Division,
General Accounting Office

Chairman and ranking minority member of each of the following congressional committees and subcommittees:

Senate Committee on Appropriations
Senate Subcommittee on Defense, Committee on Appropriations
Senate Committee on Armed Services
Senate Committee on Governmental Affairs
House Committee on Appropriations
House Subcommittee on National Security, Committee on Appropriations
House Committee on Government Reform and Oversight
House Subcommittee on National Security, International Affairs, and Criminal
Justice, Committee on Government Reform and Oversight
House Committee on National Security

Part III - Management Comments

Defense Information Systems Agency Comments



DEFENSE INFORMATION SYSTEMS AGENCY
701 S. COURTHOUSE ROAD
ARLINGTON, VIRGINIA 22204-2199



IN REPLY
REFER TO

Inspector General

11 October 1996

MEMORANDUM FOR INSPECTOR GENERAL, DEPARTMENT OF DEFENSE
ATTN: Director, Readiness and Operational Support

SUBJECT: Comments to DODIG Draft Audit Report on the
Phaseout of the Automatic Digital Network

Reference: DODIG Draft Report, subject as above, 16 Aug 96

1. We are providing comments to the subject draft audit report as per your request. The comments were provided by DISA Operations (D3). DISA D3 concurs with the finding and associated recommendations. In fact, DISA D3 has implemented the recommendations as noted in our management comments (enclosed).

2. The point of contact for this action is Ms. Sandra J. Sinkavitch, Audit Liaison, on (703) 607-6316 or electronic mail address sinkavis@ncr.disa.mil.

FOR THE DIRECTOR:



RICHARD T. RACE
Inspector General

1 Enclosure a/s

Quality Information for a Strong Defense

**MANAGEMENT COMMENTS TO DODIG DRAFT AUDIT REPORT ON
THE PHASEOUT OF THE AUTOMATIC DIGITAL NETWORK
(Project No. 6RD-6016.02)**

The DODIG recommends that the Director, Defense Information Systems Agency:

1. Request the Military Departments to list Command Communications Service Designators (CCSDs) in their phaseout plans to identify the circuits at each Automatic Digital Network (AUTODIN) switching center.

DISA Response: Concur. The DODIG reviewed preliminary draft documents dated 26 April 1996 (DISA), 1 May 1996 (Navy), 9 May 1996 (Air Force), and 17 May 1996 (Army). However, later versions of the Military Departments' phase out plans include the CCSDs. Subsequently, the 28 August 1996 version of the DOD Master Plan incorporates the Military Departments' CCSD list. A copy of the DOD Master Plan is at Attachment 1.

2. Request the Military Departments to propose in their plans one of the following AUTODIN switching centers for each circuit that needs to be rehomed: Fort Detrick, Maryland; Hancock, New York; Honolulu, Hawaii; or Pirmasens, Germany.

DISA Response: Concur in Part. The intent of the recommendation that all circuits be rehomed to one of the final four switches is to preclude having to rehome the subscribers a second time. However, the four specific subscribers are all scheduled to transition to the Defense Message System (DMS) prior to the closure of the Tinker AUTODIN Switching Center (ASC) which is scheduled for April 1999. As such, the circuits will not be rehomed a second time. This also relieves an unnecessary traffic load and workload on the final four ASCs.

3. Reconcile the circuits listed in the Military Departments' plans to the universe of the AUTODIN circuits reflected in the DOD Master Plan.

DISA Response: Concur. The reconciliation of circuits between the Military Departments' plans and the DOD Master Plan was completed with the publication of the 28 August 1996 version of the DOD Master Plan (Attachment 1).

Attachment 2 provides a detailed response to all circuit discrepancies identified in Appendix B of subject report. DISA D3 considers all items identified in reference to be closed.

* Attachment 1 omitted because of length. Copies will be provided upon request.

D321 COMMENTS ON APPENDIX B OF THE DRAFT AUDIT REPORT ON THE PHASEOUT OF AUTODIN (Project No. 6RD-6016.02)

Appendix B listed 50 circuits that were in the draft Military Departments' plan but were not listed in the draft DOD Master Plan. The following addresses each of those circuits:

Albany AUTODIN Switching Center (ASC)

Joint Interoperability Test Center, Cheltenham, MD - This circuit (BUEE7D35) is listed as a Navy circuit but in reality belongs to DISA. It does not support live traffic but is used by JITC for interoperability testing "off line." The circuit will be rehomed if JITC SO requires.
MacDill AFB, FL - (RCTE7ZWK) - Incorporated in later revisions of the draft.
Maxwell AFB, AL - (JUEE7Y93) - Incorporated in later revisions of the draft.
Medina Annex, TX - (JDNL102B) - Incorporated in later revisions of the draft.
Moody AFB, GA - (JUEE7E30) - Incorporated in later revisions of the draft.
Offutt AFB, NE - (JDIE25HZ) - Incorporated in later revisions of the draft.
Patrick AFB, FL - (JUEE7L62) - Incorporated in later revisions of the draft.
Randolph AFB, TX - (JUEE7B54) - Incorporated in later revisions of the draft.
Robins AFB, GA - (JUEE7U97) - Incorporated in later revisions of the draft.
Robins AFB, GA - (JDIL25B7) - Incorporated in later revisions of the draft.
USACOM Norfolk, VA (CDKE2644) - Incorporated in later revisions of the draft.

Yokota ASC

Anderson AB, GU - (JAMESNCP) - Incorporated in later revisions of the draft.
COMGRU7 Yokosuka, JA - (CDKE26VQ) - Incorporated in later revisions of the draft.
NCTS Far East, JA - (BJPEKMY8) - Incorporated in later revisions of the draft.
NCIS Yokosuka, JA - (BUEESEAG) - Incorporated in later revisions of the draft.
NSGA Kunia, HI - (BDNL109J) - Incorporated in later revisions of the draft.
NSGD Guam - (BDNL112J) - Incorporated in later revisions of the draft.
NTC Chinhae, KOR - (BUEESDAF) - Incorporated in later revisions of the draft.

McClellan ASC

Corozal, PN - (UUEEG884) - Incorporated in later revisions of the draft.
FIC Pearl Harbor, HI - (BDIL25PC) - Incorporated in later revisions of the draft.
Ft Huachuca, AZ - (UUME7LO2) - Incorporated in later revisions of the draft.
Ft Richardson, AK - (UDIL25MK) - Incorporated in later revisions of the draft.
Huntington, CA - (UDIL25MV) - Incorporated in later revisions of the draft.
MCTC Camp Pendleton, CA - (BUEE7D81) - Incorporated in later revisions of the draft.
NCTAMS EASTPAC - (BJPEA696) - Incorporated in later revisions of the draft.
NCTAMS EASTPAC (UYK-83V) - Deleted from the Navy plan and thus not incorporated.
NCTS Puget Sound, WA - (BUEE7C83) - Incorporated in later revisions of the draft.
NCTS San Diego, CA - (BUEE7F71) - Incorporated in later revisions of the draft.
NCIS El Toro, CA - (BUEE7T51) - Incorporated in later revisions of the draft.

McClellan ASC (Continued)

NCIS San Diego, CA - (BUEE7T90) - Incorporated in later revisions of the draft.
NSGD San Diego, CA - (BDNL103M) - Incorporated in later revisions of the draft.
NTC North Island, CA - (BUEE7DO5) - Incorporated in later revisions of the draft.
NTC Pearl Harbor, HI - (BJPRA217) - Incorporated in later revisions of the draft.

Croughton ASC

NSGA Naples, IT - (BDNL111Q) - Incorporated in later revisions of the draft.

Tinker ASC

COMSUBGRU 9 - (BUEE7E96) - Incorporated in later revisions of the draft.
NCTS Puget Sound, WA - (BUEE7Y68) - Incorporated in later revisions of the draft.
NCIS Memphis, TN - (BUEE7F60) - Incorporated in later revisions of the draft.
WPAFB, OH - (JDIL258C) - Incorporated in later revisions of the draft as an AF circuit.

Andrews ASC

Class E Cheltenham, MD - (BUEE7E24) - Incorporated in later revisions of the draft.
FIC Norfolk, VA - (BDIL25AW) - Incorporated in later revisions of the draft.
Laurel, MD - (BUEE7D90) - Incorporated in later revisions of the draft.
NCTS San Diego, CA - (BUEE7T47) - Incorporated in later revisions of the draft.
NCTS Roosevelt Rds, PR - (CDKE26YB) - Incorporated in later revisions of the draft.
NCTS Washington, DC - (BUEE7K17) - Incorporated in later revisions of the draft.
NCIS Roosevelt Rds, PR - (BUAEE052) - Incorporated in later revisions of the draft.
NSGA Northwest, VA - (BDNL104A) - Incorporated in later revisions of the draft.
NTC Breezy Point, VA - (BUEE7B04) - Incorporated in later revisions of the draft.
NTC Hampton Roads, VA - (BUEE7A16) - Incorporated in later revisions of the draft.
ONI Suitland, MD - (BDIL25AL) - Incorporated in later revisions of the draft.
Site R, PA - (UDIE25AV) - Incorporated in later revisions of the draft.

Appendix B also listed 39 circuits which were contained in the Master Plan but not addressed in the MILDEPs plans. The following addresses each of those circuits:

Albany ASC

Birmingham, AL - (JUEE7ZO6) - Incorporated in later revisions to the Air Force's draft.
Columbus AFB, MS - (JUEE7L86) - Circuit has been deactivated and deleted from the draft.
Shaw AFB, SC - (JUEE7H18) - Incorporated in later revisions to the Air Force's draft.

Yokota ASC

Command Post Tango - (UUEESNBT) - Incorporated in later revisions to the Army's draft.
Kunia, HI - (UDNL109J) - Is actually (BDNL109J) and already included in the Navy's draft.
Yokosuka, JA - (BDIL25JD) - Incorporated in later revisions to the Navy's draft.
Yokosuka, JA - (BESEAG) - Incorporated in later revisions to the Navy's draft.
Yokosuka, JA - (BJPEKMY8) - Incorporated in later revisions to the Navy's draft.
Yokosuka, JA - (CDKE25VQ) - Incorporated in later revisions to the Navy's draft.

McClellan ASC

Camp Pendleton, CA - (BUEE7D81) - Incorporated in later revisions to the Navy's draft.
Camp Pendleton, CA - (JDIL25MR) - Incorporated in later revisions to the AF's draft.
Camp Smith, HI - (BDIL25PC) - Incorporated in later revisions to the Navy's draft.
Ft Richardson, AK - (UDIE25MU) - Incorporated in later revisions to the Army's draft.
Imperial Beach, CA - (JDNL104T) - Circuit deactivated and removed from plans.
Los Angeles, CA - (JUEE7B94) - Incorporated in later revisions to the AF's draft.
North Island, CA - (BUEE7D05) - Incorporated in later revisions to the Navy's draft.
North Island, CA - (BUEE7Y65) - Incorporated in later revisions to the Navy's draft.
Pearl Harbor, HI - (BJPEA217) - Incorporated in later revisions to the Navy's draft.
San Diego, CA - (BUEE7F71) - Incorporated in later revisions to the Navy's draft.
San Diego, CA - (BUEE7T90) - Incorporated in later revisions to the Navy's draft.
Santa Ana, CA - (BUEE7T51) - Incorporated in later revisions to the Navy's draft.
Sharpe Depot, CA - (NUEE7B71) - Incorporated in DLA's (vice Navy) draft.
Wahiawa, HI - (BJPEA696) - Incorporated in later revisions to the Navy's draft.

Croughton ASC

Agnano, IT - (BUEE9HRV) - Incorporated in later revisions to the Navy's draft.
Keflavik, Iceland - (BUEE263D) - Incorporated in later revisions to the Navy's draft.
Stuttgart, GE - (UUEE9HVY) - Incorporated in later revisions to the Army's draft.
Vaihingen, GE - (UDIE25EE) - Incorporated in later revisions to the Navy's draft.

Tinker ASC

Bangor, WA - (BUEE7E96) - Incorporated in later revisions to the Navy's draft.
Bangor, WA - (BUEE7E98) - Incorporated in later revisions to the Navy's draft.
Battle Creek, MI - (NSUE7G27) - Incorporated in DLA's (vice Navy) draft.
WSMR, NM - (JDIL25NG) - Incorporated in later revisions to the AF's draft.

Andrews ASC

Chesapeake, VA - (BDNL104A) - Incorporated in later revisions to the Navy's draft.
Norfolk, VA - (BDIL25AW) - Incorporated in later revisions to the Navy's draft.
Norfolk, VA - (BUEE7A16) - Incorporated in later revisions to the Navy's draft.

Andrews ASC (Continued)

Norfolk, VA - (BUEE7B04) - Incorporated in later revisions to the Navy's draft.
Offutt AFB, NE - (JJDE7H70) - Incorporated in later revisions to the AF's draft.
San Diego, CA - (BUEE7T47) - Incorporated in later revisions to the Navy's draft.
Suitland, MD - (BDIL25AF) - Incorporated in later revisions to the Navy's draft.
Suitland, MD - (BDIL25AL) - Incorporated in later revisions to the Navy's draft.

Appendix C addressed a Navy circuit and three Air Force circuits that are being rehomed to the Tinker ASC as opposed to one of the last four ASCs (Detrick, Hancock, Honolulu, and Pirmasens) and recommended for rehoming to one of the final four switches to preclude having to rehome the circuits twice. The following applies:

MCTC, Camp Pendleton, CA - (BUEE7D81) - When McClellan ASC closes, this subscriber will be rehomed to the Tinker ASC because of the closer proximity and because it is scheduled for deactivation prior to the closure of Tinker ASC.

Las Vegas, NV - (JDIL25MZ) - When McClellan ASC closes, this subscriber will also be rehomed to the Tinker ASC for the same reasons listed above.

Nellis AFB, NV - (JDIL25MT) - Same as above.

Peterson AFB, CO - (JUEE7AO2) - Same as above. These actions also help ensure the network load is as distributed as possible.

Prepared by: Terry M. Damon
AUTODIN Manager
DISA Operations (D321)

Coordinated with: Army W/G Rep (Mr. Stapleton)
Navy W/G Rep (Lt Rhiddlehoover)
AF W/G Rep (1 LT Winstead)

Department of the Air Force Comments



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE



25 OCT 1996

2013 10/30

MEMORANDUM FOR DIRECTOR, AUDIT FOLLOWUP, OAIG-AUDITING OFFICE OF
THE INSPECTOR GENERAL DEPARTMENT OF DEFENSE

FROM: HQ USAF/SCMI
1250 Air Force Pentagon
Washington, DC 20330-1250

SUBJECT: Phaseout of the Automatic Digital Network. 16 Aug 96. Project No. 6RD-6016.02

This is in reply to your memorandum requesting the Air Force to provide comments on subject report.

We concur with the findings of the report with comments.

a. The DODIG reviewed an Air Force preliminary draft of the "Air Force AUTODIN Phaseout Plan," dated 9 May 96. The Command Communications Service Designators have already incorporated into a later revision of the draft plan.

b. To preclude rehoming of circuits a second time, the report recommended that two Air Force subscribers (Nellis Air Force Base, NV and Peterson Air Force Base, CO) be rehomed to one of the last four AUTODIN Switching Centers (ASC) to close in Dec 99. The Air Force plan is to rehome the two sites to the Tinker ASC. By doing so, a second rehoming will not be necessary. The rationale being, that DMS will be implemented at the two sites prior to the planned 1998 closure of the Tinker ASC.

c. Circuits listed in the DOD Master Plan have already been reconciled with the latest draft revision of the Air Force AUTODIN Phaseout Plan.

HQ USAF/SCMI point of contact is Mr Lowry, 697-4176

John D. Collier
JOHN D. COLLIER, Lt Col, USAF
Chief, Infrastructure Division
DCS/Communications and Information

cc: SAF/FMPF
HQ USAF/SCXX

Audit Team Members

This report was prepared by the Readiness and Operational Support Directorate, Office of the Assistant Inspector General for Auditing, DoD.

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