DEPARTMENT OF THE ARMY
OFFICE OF THE SECRETARY OF THE ARMY
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WASHINGTON DC 20310-0107

Office, Chief Information Officer / G-6

15 JUL 2005

SAIS-AON-C

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Interim Army Guidance on Microsoft Directory Services

1. References:

a. Network Enterprise Technology Command/9th Army Signal Command (NETCOM/9th ASC), 24 November 2003, Active Directory Forest/Domain/Top-Level Organizational Unit Implementation Approval Process. (https://www.us.army.mil/suite/doc/936113)

b. Analysis of Alternatives of Active Directory Courses of Action (COAs), 5 March 2005 (https://www.us.army.mil/suite/doc/1805319)

c. SAIS-ZA, 4 February 2004, subject: Army Policy for Windows NT 4.0 Replacement and Active Directory (AD) Implementation (https://www.us.army.mil/suite/doc/825832)

d. Army Regulation 25-1, Army Knowledge Management and Information Technology Management, 30 June 2004

2. This memorandum announces the approved Microsoft directory services architectures, provides interim guidance to all United States Army activities on the deployment of Microsoft Active Directory (AD) and enterprise directory services (EDS) throughout the Generating and Deployable Forces on the Unclassified but Sensitive Internet Protocol Router Network (NIPRNET) and Secret Internet Protocol Router Network (SIPRNET), and places a moratorium on un-approved AD forests. The process to gain a waiver or approval to implement an AD forest is outlined in reference 1.a. and further clarified in paragraphs 4 and 5 below for both NIPRNET and SIPRNET environments.

3. Recently I chartered a working group to develop a plan for implementing AD for both the Generating and Deployable Forces. This working group included representatives from the Army Chief Information Officer/G-6 (CIO/G-6), NETCOM/9th ASC, Training and Doctrine Command (TRADOC), Program Executive Office (PEO) Enterprise Information Systems (EIS), and PEO Command, Control and Communications – Tactical (C3T). An Analysis of Alternatives (reference 1.b.) was performed to provide

recommended Courses of Action (COAs). Based upon this effort, the following is provided:

a. Approved enterprise AD forest architecture:

(1) The Generating Force NIPRNET AD forest architecture remains the solution outlined in reference 1.c. This centralized solution has been implemented by the Army under the enterprise guidance of NETCOM/9th ASC. An EDS-lite global address list synchronization capability for Generating Force NIPRNET messaging is currently being implemented.

(2) The Generating Force SIPRNET AD forest architecture will provide one forest per Theater and one additional Enterprise Application forest.

(3) The Deployable Force NIPRNET and SIPRNET AD forest architecture will be based on separate forests for each Unit of Employment y (UEy), UEx, Brigade Combat Team (BCT), and selected Units of Action (UAs).

(4) The EDS solution for the Army enterprise will provide the foundation for communication and integration across AD forests, with many other capabilities to follow in the future. An EDS working group, with representatives from CIO/G-6, NETCOM/9th ASC, TRADOC, PEO EIS and PEO C3T, will develop a plan for implementing these EDS capabilities for both the Generating and Deployable Forces. One of the first capabilities to be developed will be a provisioning solution to support moving required users and services from one AD forest to another.

(5) PEO EIS will develop the system architecture for the Generating Forces SIPRNET AD forest solution, and PEO C3T will develop the system architecture for the Deployable Forces NIPRNET and SIPRNET AD forest solutions. In addition, PEO EIS, in coordination with PEO C3T, will lead the development of the system architecture for the required EDS solution.

b. CONOPS:

(1) I am further providing the following operational guidance for the above approved Deployable Forces NIPRNET and SIPRNET concepts: In the future state of our Army, Deployable Forces will operate in a Generating Forces forest with accounts being provisioned to a Deployable Forces forest upon mobilization or in support of exercises. However, I understand that our technical provisioning solutions are not yet finalized to support this operational concept. Therefore, until these provisioning solutions are developed and approved by me, Deployable Forces are allowed to operate autonomously in their Deployable Forces forest when stationed in the Generating Forces environment.

(2) It is critical that the operational relationship between service provider and customer be properly defined. This relationship must be flexible and adaptable to address the diversity of our Army, where the service provider could be a Director of Information Management, an organic Signal battalion, or a Theater Network Operations and Security Center, and where the customer could be a business user or warfighter. The delivery of directory services throughout these various scenarios should be standardized and seamless. It is also imperative that the Army remain synchronized with Joint, Combatant Command, and Network-Centric Enterprise Services in AD and EDS implementation. I am directing the development of the enterprise AD CONOPS to meet this intent. This CONOPS will be developed to define the Generating Forces and Deployable Forces NIPRNET and SIPRNET roles, responsibilities, and processes to sustain the approved AD and EDS services and infrastructure. NETCOM/9th ASC is responsible for developing the CONOPS for the Generating Forces and the TRADOC Signal Center is responsible for developing the CONOPS for the Deployable Forces. NETCOM/9th ASC has overall coordination responsibility for the integration of these two CONOPS.

c. Funding strategy. A strategy will be developed by the CIO/G-6 that recommends how the Army should fund the implementation, operations, management, and life cycle sustainment of the solutions described in paragraphs 3a and 3b.

d. Implementation plans. Plans will be developed that propose milestones and timelines to migrate from the current environment to the approved designs. PEO EIS will develop the implementation plan for the Generating Forces, and PEO C3T will create this plan for the Deployable Forces.

4. In the interim, Army activities are directed to delay from deploying AD and/or EDS services on production systems until they are allowed to migrate into one of the above approved architectures. This delay does not apply to Army forces deploying or while deployed to a Combatant Command. Implementations of AD and/or EDS on non-production systems separate from the NIPRNET and/or SIPRNET for purposes of training, testing, etc. are also exempt. However, these exempt organizations must still register their AD implementations with NETCOM/9th ASC at esta-sipr-ad@netcom.army.mil. Additionally, these organizations must continue to use the existing CIO/G-6 waiver process for information technology (IT) expenditures when using non-IT programmed funds that exceed the dollar thresholds as published in annual guidance, per reference 1.d.

5. Generating Forces that have an urgent requirement to deploy AD and/or EDS on the SIPRNET will provide NETCOM/9th ASC with their strategy and migration plans for review per the existing guidelines described in reference a. A final approval/disapproval decision from NETCOM/9th ASC should be expected no later than (NLT) 30 calendar days after a submission of the required documentation. Questions relating to these waivers should be directed to esta-sipr-ad@netcom.army.mil.

6. Additional guidance will be disseminated as the above deliverables are finalized and approved. My CIO/G-6 point of contact in this matter is Mr. Daniel Batelka, SAIS-AON-C, 703-602-5733, daniel.batelka@us.army.mil. The NETCOM/9th ASC point of contact for SIPRNET questions of a general nature is Mr. Dean Quain, NETC-EST-D, 520-538-6149, dean.quain@us.army.mil.

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