Recommendations to NWIG on the Implementation of Need-To-Know Access Controls in an Electronic Information Environment

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February 20, 1997

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Work performed under the auspices of the U.S. Department of Energy by the Lawrence Livermore National Laboratory under Contract W-7405-ENG-48.

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Recommendations to the NWIG on the Implementation of Need-To-Know Access Controls in an Electronic Information Environment

1. We recommend that NWIG accept the requirements document as a plausible architecture for providing need-to-know access in an electronic environment and obtain site concurrence.
2. We recommend that NWIG encourage the creation of a group to evaluate the cost and feasibility of implementing the NTK architecture as proposed by the CSWG Conceptual Model. The group should:

- Evaluate candidate technologies
- Implement a small scale pilot project of the proposed model between sites
- Develop an implementation plan with cost and alternative technologies for the full scale implementation
- Seek approval of DOE and site management for full scale development

3. We recommend that NWIG support the use of the following interim implementation until the full implementation is completed.

Metadata and objects will be retrieved from information servers which are accessible from SecureNet.

The databases on information servers will be partitioned using file and database protections into logical collections.

Users will need accounts with passwords to access collections of information, and each site will be responsible for granting access to their collections.

Encryption and/or dedicated communication paths will be used to transfer information from the information servers to machines (and printers) or between machines (and printers) in areas where not all users have the need-to-know for the information accessed.

Information servers will record all accesses to objects by each user, and the information will be made available to the other sites.

The access records from each information server will be reviewed to determine the aggregate access of users across the Complex.

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