



## System Development and Life-Cycle Management (SDLCM) Methodology

<b>Subject</b> Security Controls	<b>Type</b>	Standard
	<b>Identifier</b>	S-1056
	<b>Effective Date</b>	November 1998
	<b>Revision No.</b>	1

Approval

CISSCO Program Director

### A. PURPOSE

Federal agencies are required to establish controls to ensure adequate security for all information processed, transmitted, or stored in federal automated information systems. This standard specifies the minimum set of security controls to be included in all developed systems.

### B. APPLICABILITY

This standard applies to

1. All NRC projects involved in the development of general support systems, under the presumption that all contain some sensitive information
2. High-risk major applications

### C. REFERENCE PUBLICATIONS

The following publications contain related information:

- SDLCM Methodology Handbook
- Office of Management and Budget Circular A-130, Appendix III, "Security of Federal Automated Information Resources," revised February 20, 1996.
- "Instructions for Preparing Security Plans for Local Area Networks in Compliance with OMB Bulletin No. 90-08," NUREG/BR-0166, February 1992
- "User Guide for Developing and Evaluating Security Plans for Unclassified Federal Automated Information Systems," NIST, Draft, July 1997.

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#### **D. STANDARD**

OMB Circular A-130, Appendix III, sets forth four security controls:

1. Assigning responsibility for security
2. Security Planning
3. Periodic review of security controls
4. Management authorization

The appendix requires that these controls be applied in two areas of management responsibility:

1. General support systems
2. Major applications

These controls must be included as an integral part of the systems development and life-cycle management process for both general support systems and major applications.

For further information on complying with this standard, refer to the reference publications.