

8-601. Application documentation.

To ensure that security is built into applications, security requirements, including the need for rollback arrangements, must be identified during the requirements phase of a project and justified, agreed to, and documented as part of the overall business case for the system. To ensure this activity is performed, the agency information security officer must be involved in all phases of the application development life cycle from the requirements definition phase, through implementation and eventual application retirement.

Controls in applications may be placed in many places and serve a variety of purposes. The specific control mechanisms must be documented at the application level, and included in the agency's security standards documents. The security measures that are implemented must be based on the threat, vulnerability, and risk assessments of the information being processed and cost-benefit analysis.

Significant changes involving applications that store, access, or process HIGH IMPACT or MODERATE IMPACT information must go through a formal change management process. For recurring maintenance of these applications, an abbreviated change management process may suffice if that abbreviated process has been approved by the state information security officer.

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History: Adopted on July 12, 2017. Amended on July 14, 2023.

URL: <https://nitc.nebraska.gov/standards/8-601.pdf>