
I-0387: Auditing Of Audit Storage Failures

NUMBER: I-0387
STATUS: Reposted for External Review
TYPE: NIAP Interpretation

TITLE: Auditing Of Audit Storage Failures
COMMENTS DUE BY: Monday, February 5, 2001 to IWG@gibraltar.ncsc.mil

SOURCE REFERENCE: CC v2.1 Part 2 Subclause 3.6 FAU_STG.4
CC v2.1 Part 2 Subclause 3.6 FAU_STG.NIAP-0414-1

RELATED TO:
[I-0348](#) Audit Data Loss Prevention Method May Be Site-Selectable

ISSUE:

If the audit storage fails due to lack of storage space for audit records, it is difficult to store an audit record in the audit trail indicating that subsequent auditable events will be ignored.

STATEMENT OF INTERPRETATION:

When the audit storage is full, the actions taken due to the failure only need to be recorded if conditions allow.

SPECIFIC INTERPRETATION:

To address this interpretation, the following change is made to CC v2.1, Part 2: (additions marked thusly; deletions marked ~~thusly~~)

- FAU_STG.4 is relabeled as FAU_STG.4-NIAP-0387. Unless otherwise noted in these changes, all normative and informative material associated with FAU_STG.4 is incorporated unchanged into FAU_STG.4-NIAP-0387, and all references to FAU_STG.4 in the CC, CEM, or other Common Criteria documentation is changed to refer to FAU_STG.4-NIAP-0387.
- Subclause 3.6, FAU_STG.4, "Audit" is changed as follows:

Audit: FAU_STG.4-NIAP-0387

The following actions should be auditable if FAU_GEN Security audit data generation is included in the PP/ST:

a) Basic: Actions taken due to the audit storage failure, if conditions allow the audit to be recorded.

- FAU_STG.NIAP-0414-1 is relabeled as FAU_STG.NIAP-0387-1. Unless otherwise noted in these changes, all normative and informative material associated with FAU_STG.NIAP-0414-1 is incorporated unchanged into FAU_STG.NIAP-0387-1, and all references to FAU_STG.NIAP-0414-1 in the CC, CEM, or other Common Criteria documentation is changed to refer to FAU_STG.NIAP-0387-1.
- Subclause 3.6, FAU_STG.NIAP-0414-1, "Audit", is changed as follows:

Audit: FAU_STG.NIAP-~~0414~~0387-1

The following actions should be auditable if FAU_GEN Security audit data generation is included in the PP/ST:

1. Basic: Actions taken due to the audit storage failure.

2. Basic: Selection of an action to be taken when there is an audit storage failure, if conditions allow the audit to be recorded.

PROJECTED IMPACT:

Negligible impact anticipated.

SUPPORT:

Note: This interpretation should not be approved until after I-0414 is approved.

This interpretation addresses a difficulty that exists in some cases of audit storage failure. In particular, this interpretation permits the audit record of the failure in such cases to not be recorded.

Note: This interpretation is being applied to the CC as modified by I-0414.