



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20-5702-723

REPORT NO.: 93-22

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SURVEILLANCE SCOPE: CNWRA Conformance to TOP-18, Rev 3, Chg 2, for the Software Package FLASH.

REFERENCE DOCUMENTS: TOP-18, Rev 3, Chg 2.

STARTING DATE: 12-6-93

ENDING DATE: 12-10-93

QA REPRESENTATIVE: R. Mielke

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: R. Mielke

SATISFACTORY FINDINGS: CNWRA File #Q199308230021 was reviewed to determine the level of conformance to TOP-18. Objective evidence was found to indicate that software license is not an issue. (DOE developed this software.) The use of procedure-required forms was observed (Software Summary Form). Objective evidence that procedure-required software tools were applied to this software package. The software is in an approved language.

UNSATISFACTORY FINDINGS:

1. The Software Summary Form is confusing. In one location it states the version in use as 3.0 and in another it states it as 1.1 (TOP-018, para. 5.4).
2. There is no objective evidence that the technical staff has reviewed the results of the evaluation tools (TOP-018, para. 6.3 and 6.3.1).
3. No objective evidence was found to indicate that the software release notice had been generated (TOP-018, Appendix C and 8.1.3).
4. No objective evidence was observed to indicate that any package has been released for use or modification (TOP-018, Appendix C).

NONCONFORMANCE REPORT NO.: 94-06

ATTACHMENTS: None NCR 94-06 *KW 2/7/94*

RECOMMENDATIONS/ACTIONS: No objective evidence exists of incorporation of software tool results into code. Although not required by TOP-18, the results of PCMetrics and other tools should be incorporated into the software or documentation provided to state why it's not being applied. Generate the software release notice.

APPROVED: _____

CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: _____

2/7/94

DISTRIBUTION:

ORIGINAL - CENTER QA DIRECTOR - Bruce Mabrito
ORIGINATOR - RWM/TCT
Principle Engineer/Scientist - R. Baca
Element Manager - R. Baca
B. Sagar, R. Johnson

CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

NONCONFORMANCE REPORT

Project No. 20-5702-723

NCR No. 94-06

PART 1: DESCRIPTION OF NONCONFORMANCE

Surveillance 93.22 identified the following deficiencies in FLASIT code documentation:

LB
2/9/94

1. The Software Summary Form is confusing. In one location it states the version in use as 3.0 and in another it states it as 1.1 (TOP-018, para. 5.4).
2. There is no objective evidence that the technical staff has reviewed the results of the evaluation tools (TOP-018, para. 6.3 and 6.3.1).
3. No objective evidence was found to indicate that the software release notice had been generated (TOP-018, Appendix C and 8.1.3).
4. No objective evidence was observed to indicate that any package has been released for use or modification (TOP-018, Appendix C).

Initiated by:

Bennett

Date:

2/7/94

PART 2: PROPOSED DISPOSITION AND CORRECTIVE ACTION

Disposition:

Responsible: L. Face
Response due: 2/18/94

LB
2/9/94

Basis of Disposition:

Action to correct nonconformance:

Target date for completion: _____

Proposed by:

Date:

PART 3: APPROVAL

Element Manager: _____ Date: _____

Director of QA: _____ Date: _____

Comments/Instructions:

PART 4: CLOSE OUT

Comments:

Verified by:

Date: