

AD-A234 594

TECHNICAL REPORT

For The

Cargo Movement Operations System (CMOS)

Revised Draft Software Test Plan
Increment II

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APR 22 1991
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08 April 1991

Prepared under

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Prepared for

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SECTION I.

INTRODUCTION.

→ The purpose of this Technical Report is to review the Revised Draft Software Test Plan, Increment II, CDRL A007-02, which was produced for the Government by Evaluation Research Corporation. The results are provided in the form of a Data Item Discrepancy worksheet as requested by the CMOS Program Office.

SUMMARY. Not Used.

CONCLUSION. Not Used.

** Cargo handling, * 2 hours
implementation, & transfer
document*

SECTION II.

RESULTS.

Our analysis is provided in the following Data Item
Discrepancy worksheet:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A007-02

DATE: 04/08/91

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

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COMMENT OR RECOMMENDED CHANGE:

Change the STP so that all Shall Statements which should be tested are assigned to a TF.

RATIONALE:

Review of paragraphs 4.1.4.3.1 and 4.2.4.2.1, which list the Shall Statements to be tested in TF11 and TF21 (TF31 no longer exists), revealed an inconsistency with the testing matrix provided in Appendix C.

The TFs were compared with the corresponding SCs (SC11 and SC21, paragraph 3.2.1 in both the Applications and Communications SRS). In keeping with the "streamlining" philosophy outlined in response to our comments to the previous version of this document, Shall Statements from the SRSs not found to be tested in the corresponding TF were then checked at the CSCI level (TF1 for TF11 and TF2 for TF21). SSs not found in either the original paragraph or at the CSCI level were then checked against the list of SSs found in TF0. For both of the SCs in question, there were still many SSs that were unaccounted for after this process had been accomplished.

There are several TFs subordinate to TF11, and 12 of the remaining SSs were found in these TFs. Finally, the matrix in Appendix C was checked, and 30 more SSs were identified as "Not Tested" in the matrix. This entire process still failed to identify where SS0261 was tested. There are no TFs subordinate to TF21, so no lower level TFs were checked, but the matrix did identify 13 "Not Tested" items, leaving 7 (SS0233, SS0238, SS0262, SS0305, SS0538, SS0711, and SS0745) identified as "Demo" in the matrix and unaccounted for in any of the TFs mentioned above.

Discounting those listed as "Not Tested", SSs from the first SC in both the Applications and Communications SRSs cannot be found in associated TFs of the STP. This indicates that the STP, as a whole, needs further review.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []