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TECHNICAL REPORT

For The

Cargo Movement Operations System (CMOS)

Updated Draft Software Requirements Specification  
(Applications CSCI)  
Increment II

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29 November 1990

Prepared under

Contract Number F11624-88-D-0001/6K12  
CDRL #A004-81

Prepared for

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SECTION I.

INTRODUCTION.

The purpose of this Technical Report is to review the Updated Draft Software Requirements Specification (Applications CSCI), Increment II, CDRL A003-07, which was produced for the Government by Evaluation Research Corporation. The results are provided in the form of Data Item Discrepancy worksheets as requested by the CMOS Program Office.

SUMMARY. Not Used.

CONCLUSION. Not Used.

SECTION II.

RESULTS.

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

ORIGINATOR CONTROL NUMBER: SRS1-0001  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/29/90

ORIGINATOR NAME: Ronald J. Lacour

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: EDITORIAL: X

PAGE NUMBER: PARA. NUMBER:

COMMENT OR RECOMMENDED CHANGE:

All editorial comments for the Updated Draft Software Requirements Specification (Applications CSCI), Increment II, have been collected on this worksheet and are arranged in page number order.

RATIONALE:

N/A

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION: ACCEPT [ ] REJECT [ ]

COMMENT STATUS: OPEN [ ] CLOSED [ ]

Cmnt No.	Page No.	Paragraph Number	Comment
1.	21	3.1.5	Change "RESHIPS" to "REPSHIPS" in line 9.
2.	28	3.2	Change "were" to "where" in line 8 of the third subparagraph.
3.	46	3.2.1.2.4	Add reference to "SS700 <sup>5</sup> " in last line of the "Purpose and Requirements" paragraph.
4.	87	Sub h	Insert the word "of" between "Information" and "this" in the second sentence.
5.	89	Sub b	Change "Loading" to "Load" in the second and third sentences.

6. 91 3.2.2.1.3.5 Delete the "Pe" in the beginninng of the header.
7. 93 Sub c Delete the dash in the word "appropriate" in the third sentence.
8. 148 3.2.2.4.5.11 Insert an "F" after "Control" to complete the word "Function" in the first sentence of subparagraph 2.

ORIGINATOR CONTROL NUMBER: SRS1-0002  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/29/90

ORIGINATOR NAME: Ronald J. Lacour

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 81/84

PARA NUMBER: See Below

COMMENT OR RECOMMENDED CHANGE:

Combine paragraphs 3.2.2.1.2.3 and 3.2.2.1.3.1.

RATIONALE:

Both of the paragraphs describe the identical requirement - SS2176. It is appropriate to combine them into one paragraph.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]

ORIGINATOR CONTROL NUMBER: SRS1-0003  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/29/90

ORIGINATOR NAME: Patrick L. Combs

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 85

PARA NUMBER: 3.2.2.1.3.2

COMMENT OR RECOMMENDED CHANGE:

Identify derived requirements by adding shall statement numbers where appropriate. This paragraph is cited as an example, but this problem exists throughout the document. (The identification of derived requirements in the Rationale paragraph below should be used as a guide for restructuring the Purpose and Requirements paragraphs of Section 3. These derived requirements should be phrased in shall statement form and format.)

RATIONALE:

Although a few derived requirements are identified by the use of the word "shall" in the statement and an associated number, most are not. Paragraph 3.2.2.1.3.2 was selected as an example of derived requirements which are not so identified. The following is a list of derived requirements which should be phrased in "shall statement" form:

- |                                |                                 |
|--------------------------------|---------------------------------|
| 1. Subparagraph a, sentence 1. | 9. Subparagraph c, sentence 3.  |
| 2. Subparagraph a, sentence 3. | 10. Subparagraph c, sentence 4. |
| 3. Subparagraph a, sentence 4. | 11. Subparagraph d, sentence 1. |
| 4. Subparagraph a, sentence 6. | 12. Subparagraph f, sentence 2. |
| 5. Subparagraph a, sentence 8. | 13. Subparagraph f, sentence 3. |
| 6. Subparagraph b, sentence 2. | 14. Subparagraph f, sentence 4. |
| 7. Subparagraph b, sentence 4. | 15. Subparagraph h, sentence 2. |
| 8. Subparagraph c, sentence 2. | 16. Subparagraph j, sentence 3. |

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]



ORIGINATOR CONTROL NUMBER: SRS1-0004  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/29/90

ORIGINATOR NAME: Ronald J. Lacour

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 86

PARA NUMBER: 3.2.2.1.3.2 b.

COMMENT OR RECOMMENDED CHANGE:

Clarify the term "LOGAIR ACA" and how clearances are completed.

RATIONALE:

This is a new term and concept and needs clarification.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]

ORIGINATOR CONTROL NUMBER: SRS1-0005  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/29/90

ORIGINATOR NAME: Patrick L. Combs

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X      EDITORIAL:

PAGE NUMBER: 92

PARA NUMBER: 3.2.2.1.3.7

COMMENT OR RECOMMENDED CHANGE:

Delete the first sentence in the second paragraph.

RATIONALE:

This is a duplication of the previous primary requirement.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]

ORIGINATOR CONTROL NUMBER: SRS1-0006  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/29/90

ORIGINATOR NAME: Patrick L. Combs

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X      EDITORIAL:

PAGE NUMBER: 96

PARA NUMBER: N/A

COMMENT OR RECOMMENDED CHANGE:

Add a paragraph number.

RATIONALE:

The paragraph number was inadvertently omitted.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]

ORIGINATOR CONTROL NUMBER: SRS1-0007  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/29/90

ORIGINATOR NAME: Patrick L. Combs

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X      EDITORIAL:

PAGE NUMBER: 99

PARA NUMBER: Subparagraphs a and b

COMMENT OR RECOMMENDED CHANGE:

Delete the first sentence from one paragraph or the other.

RATIONALE:

A determination needs to be made as to where the first sentence should be placed. It need not be in both paragraphs.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]

ORIGINATOR CONTROL NUMBER: SRS1-0008  
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/29/90

ORIGINATOR NAME: Patrick L. Combs

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 279-2999

SUBSTANTIVE: X      EDITORIAL:

PAGE NUMBER: 30

PARA NUMBER: 3.2.1

COMMENT OR RECOMMENDED CHANGE:

Add the applicable shall statement as allocated in the SRS Inc I (Final), dated 11 May 90, the SRS Inc II, dated 13 Jul 90, and the RTM Inc II, dated 8 Nov 90.

RATIONALE:

At present, the allocations of shall statements to capabilities in the Applications CSCI SRS dated 8 Nov 90 are incomplete. For instance, SC11 is missing all the Inc I shall statements.

CMOS PMO ACCEPTS COMMENT: YES [ ] NO [ ]

ERCI ACCEPTS COMMENT: YES [ ] NO [ ]

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [ ] CLOSED [ ]