

AD-A229 208

①

TECHNICAL REPORT

DTIC FILE COPY

For The

Cargo Movement Operations System (CMOS)

Updated Software Requirements Specifications,
Increment II, (Communications CSCI)

DTIC
SELECTE
NOV 16 1990
D Y D

14 November 1990

Prepared under

Contract Number F11624-88-D-0001/6K12
CDRL #A004-79

Prepared for

Standard Systems Center (SSC)
Deputy Chief of Staff for Acquisition
Cargo Movement Operations System Division
Gunter AFB, AL 36114

DISTRIBUTION STATEMENT A
Approved for public release
Distribution Unlimited

Prepared by

Science Applications International Corporation (SAIC)
5 Eagle Center, Suite 2,
O'Fallon, IL 62269

90 11 13 175

SECTION I.

INTRODUCTION.

The purpose of this Technical Report is to review the Updated Software Requirements Specifications, Increment II, (Communications CSCI), 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 attached Data Item
Discrepancy worksheets.

ORIGINATOR CONTROL NUMBER: SRS2-0001
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/14/90

ORIGINATOR NAME: Vivian L. Martin

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 11

PARA NUMBER: 3.

COMMENT OR RECOMMENDED CHANGE:

Add interfaces, adapters, and distributors necessary to accommodate the CMOS to LGTX TEMPEST and LGTX TEMPEST to CMOS interfaces.

RATIONALE:

The IRS identifies these interfaces, but they are not accounted for in the Communications CSCI.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: SRS2-0002
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/14/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 21

PARA NUMBER: 3.2.1 a.

COMMENT OR RECOMMENDED CHANGE:

There should not be a shall statement in this paragraph.

RATIONALE:

The shall statement is not testable as written. This problem also occurs in the following paragraphs: 3.2.1 b., 3.2.1 c., 3.2.1 d. (1st sentence), 3.2.2 e. (1st and 3rd sentence), 3.2.7.21, and 3.2.8 b.

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: SRS2-0003
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/14/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 23

PARA NUMBER: 3.2.2 d.

COMMENT OR RECOMMENDED CHANGE:

Add a shall statement number to the end of the first sentence.

RATIONALE:

This sentence constitutes a valid "shall statement", and should have a corresponding number for inclusion in the Requirements Traceability Matrix. This problem also appears in the following "Purpose and Requirements Satisfied" paragraphs of section 3.2.:

Paragraph	Sentence	Paragraph	Sentence
3.2.2 d.	3rd	3.2.6.16	4th
3.2.2 e.	3rd	3.2.6.17	4th
3.2.4 b.	4th, has two "shalls", only one number	3.2.6.18	3rd
3.2.6	3rd & 8th, 11th has two "shalls", only one number	3.2.7	11th
3.2.6.1	4th	3.2.7.1	1st & 3rd
3.2.6.2	4th	3.2.7.3	3rd
3.2.6.3	5th & 7th	3.2.7.4	3rd
3.2.6.4	4th	3.2.7.5	3rd
3.2.6.5	3rd	3.2.7.6	3rd
3.2.6.6	4th	3.2.7.7	3rd, 5th, 6th
3.2.6.8	4th	3.2.7.8	3rd & 4th
3.2.6.9	5th	3.2.7.9	3rd
3.2.6.10	4th	3.2.7.10	3rd
3.2.6.12	4th	3.2.7.11	3rd
3.2.6.14	5th	3.2.7.13	3rd
		3.2.7.14	3rd
		3.2.7.16	3rd
		3.2.7.19	3rd
		3.2.7.21	1st & 2nd
		3.2.7.22	3rd
		3.2.8 b.	1st

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []

ORIGINATOR CONTROL NUMBER: SRS2-0004
PROGRAM OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-07

DATE: 11/14/90

ORIGINATOR NAME: John J. Brassil

OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 29

PARA NUMBER: 3.2.6.1

COMMENT OR RECOMMENDED CHANGE:

The Purpose and Requirements Satisfied paragraph contains derived requirements which are not in "Shall Statement" form.

RATIONALE:

The 6th, 7th, 8th, and 9th sentences of this paragraph are testable requirements which should be phrased as "Shall Statements". This problem also occurs in the following paragraphs:

Paragraph	Sentence	Paragraph	Sentence
3.2.6.5	4th	3.2.7.10	4th
3.2.6.7	5th	3.2.7.12	4th
3.2.6.17	3rd, no SS #	3.2.7.13	4th
3.2.7.1	4th	3.2.7.14	4th
3.2.7.3	4th	3.2.7.16	4th
3.2.7.4	4th	3.2.7.19	4th
3.2.7.5	4th	3.2.7.21	3rd
3.2.7.6	4th	3.2.7.22	4th
3.2.7.7	4th	3.2.8 d.	2nd & 3rd
3.2.7.9	4th	3.2.8 e.	2nd

CMOS PMO ACCEPTS COMMENT: YES [] NO []

ERCI ACCEPTS COMMENT: YES [] NO []

COMMENT DISPOSITION:

COMMENT STATUS: OPEN [] CLOSED []