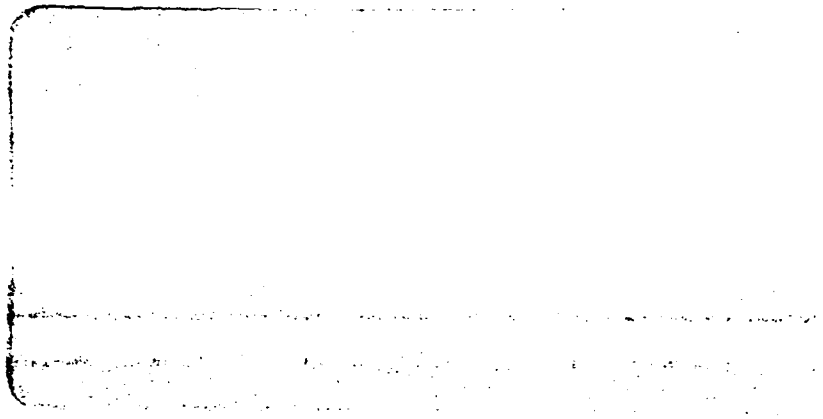
AD-A214 876



Science Applications International Corporation

An Employee-Owned Company

DTIC
ELECTE
NOV 30 1989
S D
D

DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

89 11 28 077

(1)

TECHNICAL REPORT

For The

Cargo Movement Operations System (CMOS)

Review of Software Requirements
Specification (Revised Preliminary)

DTIC
ELECTE
NOV 30 1989
S D
D

8 November 1989

Prepared under

Contract Number F11624-88-D-0001/6K12
CDRL #A004-09

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)
6 Eagle Center, Suite 2
O'Fallon, IL 62269

Table of Contents

		Page
Section I		
	Introduction	1
	Summary	1
	Conclusion	1
Section II		
	Results	2

Accesion For
NTIS CRA&I
DTIC TAB
Unannounced
Justification
By per AD-A214404
Distribution/
Availability Codes
Dist | Avail and/or Special
A-1

SECTION I.

INTRODUCTION. Purpose of this Technical Report is to comment on the Revised Preliminary Software Requirements Specification, CDRL A003-02, which has been produced for the Government by Evaluation Research Corporation. The results are provided on Data Item Discrepancy Worksheets as requested by the CMOS Program Office.

SUMMARY. Not Used.

CONCLUSION. Not Used.

SECTION II.

RESULTS.

A. Our analysis is provided in the attached Data Item Discrepancy Worksheets. Editorial comments are listed first followed by substantive remarks. Questions concerning these inputs should be directed to the originator or SAIC Team Leader at 272-2999.

B. As a result of our analysis, we noted one area of concern. This concern is associated with the assignment of shall statements to capabilities. Recognizing that this is a preliminary document, we question the methodology used in the assignment process. Our assessment reveals that many shall statements are erroneously assigned while others that should be assigned are absent. Discrepancies are cited in the Applications CSCI SRS comments - SRS-SAIC-0006 and 0013, the Communications SAIC-SRS comments - SRS-SAIC-0009, and the System Environment CSCI SRS comments - SRS-SAIC-0008. These comments are not all inclusive but are indicative of a pervasive problem that could lead to major design deficiencies.

APPLICATIONS CSCI

The following comments are related to the Software Requirements Specification Applications CSCI.

ORIGINATOR CONTROL NUMBER: SPS-SAIC-0001
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2998

SUBSTANTIVE: EDITORIAL: X

PAGE NUMBER: PARA. NUMBER:

COMMENT OR RECOMMENDED CHANGE:
All editorial comments for the Applications Computer Software Configuration Item have been collected on this worksheet and are arranged in page number order.

RATIONALE:
N/A

DISPOSITION: ACCEPT [ ] REJECT [ ]

	Page No.	Paragraph Number	Comment
1)	Title	N/A	"Increment I Applications Configuration Item" should be replaced with "Increment I Applications CSCI" in order to comply with the format prescribed in DI-MCCR-800025A and be consistent with para 1.1, line 1. This was identified during review of the preliminary SRS.
2)	iii	N/A	The Table of Contents contain at least 16 inaccurate page references. Para 3.2.1.1 through 3.2.1.4.2 and 3.2.1.4.5 and 3.2.1.4.8 are mismarked. Recommend all pages be reviewed for accuracy.
3)	1	1.1	Change "Traffic Management Officer" in line 11 to "Traffic Management Office's". This was identified during review of the Preliminary SRS.

4)	1	1.2	Subparagraphs in this section do not have an identifying number or letter. This problem is perpetuated throughout this document.
5)	3	Figure 1.2b	Replace "Receive/Incheck Inbound Cargo," SC1311 and SC1322 with "Receive and Incheck".
6)	8	2.1.2.4 - 2.1.4.5	The numbering convention is incorrect. Beginning with "Drawings" the subparagraphs should be ordered as follows: 2.1.3; 2.1.4; 2.1.4.1; 2.1.4.2; 2.1.4.3; 2.1.4.4; and 2.1.4.5.
7)	8	2.1.3.2m	The title of AFR 700-4 is incorrect. Remove "Volume 2" from the title and insert it between "AFR 700-4" and the comma.
8)	10	2.2.2d	Add a comma between "ASCII" and "American".
9)	11	2.2.4i	Remove the comma between "TCP/UDP" and "Transport".
10)	13	3	Add an "I" between "Increment" and "development" in the fourth line of the second paragraph.
11)	18&19	3.1.9 & 3.1.12	Under the subparagraph title "Brief Description", capitalization of the cargo functions is inconsistent.
12)	24	3.2.1	The numbering convention under the "Input" subparagraph is inconsistent with the corresponding reference on subsequent pages.
13)	24	3.2.1	SS0281, para 3.2.1.1.8.1-9 could not be located. This requirement should be changed to -8 since the paragraph contains only eight shall statements. The same error was made on page D-35 in the SSDD.
14)	25	3.2.1.1(1)	"Start" is a single syllable word that cannot be divided. Also "Startup" should be two words.
15)	30	3.2.1.3	The first sentence of the "Purpose and requirements satisfied" paragraph needs to be rewritten for clarity.
16)	30&31	3.2.1.3	Several of the references for the requirements allocated to SC113 are wrong:

Change SS0114 to para 3.2.1.1.1.2
Change SS0115 to para 3.2.1.1.1.2-2
Change SS0116 to para 3.2.1.1.1.2-3
Change SS0117 to para 3.2.1.1.1.2-4
Change SS0118 to para 3.2.1.1.1.2-5
Change SS0119 to para 3.2.1.1.1.2-6
Change SS0240 to para 3.2.1.1.2.5-2
Change SS0241 to para 3.2.1.1.2.5-3
Change SS0262 to para 3.2.1.1.4-7

17) 33 Fig.3.2.1.3.1 listed — The acronym for the data store title "ISR" is without first providing a definition.

18) 44 3.2.1.4.13 — Add the words "the CMOS" between "or" and "user".

19) 45 3.2.1.4.17 — In the "project unique identifier" subparagraph, line 3, remove the comma after the word "cargo". Also in line 4 make "MAJCOM" plural.

20) 49 3.2.2.1 — In the "Purpose and requirements satisfied" subparagraph, change the first line to read, "The planning shipment function..."

20) 51 3.2.2.1.1 — In the "Purpose and requirements satisfied" subparagraph, line 9, change "1348-1/1149" to "1348-1 or 1149".

21) 51 3.2.1.1 — In the "Purpose and requirements satisfied" subparagraph, line 16, add the article "a" between "convert" and MILSTRIP".

22) 64 3.2.2.3.2 — In the "Purpose and requirements satisfied" subparagraph, line 4, insert a comma between "indicator" and "individual".

23) 66 3.2.2.3.4 — In the "Purpose and requirements satisfied" subparagraph, suggest rewording the last sentence to read, "The data is identified with a 'C' to indicate a challenge has been issued, and with an 'R' to indicate it has been released."

24) 74 3.2.2.4.5 — In the "Purpose and requirements satisfied" subparagraph, line 4, make the word "document" plural.

25)	76	3.2.2.4.6	In the "Purpose and requirements satisfied" subparagraph, line 8, hyphenate "authorized" between the "r" and the "i".
26)	79	3.2.2.5.1	In the "Purpose and requirements satisfied" subparagraph, lines 8 and 12, change "classified/sensitive" to "classified and/or sensitive". In line 10, change "hazardous/dangerous" to "hazardous".
27)	81	3.2.2.5.2	In the "Purpose and requirements satisfied" subparagraph, line 5, replace the slash with "and/or".
28)	82	3.2.2.5.3	In the "Purpose and requirements satisfied" subparagraph, line 12, hyphenate "authorized" between the "r" and the "i".
29)	82	3.2.2.5.3	In the "Purpose and requirements satisfied" subparagraph, line 16, change "hazardous/dangerous" to "hazardous".
30)	88	3.2.3.1.1	Rewrite the "Purpose and requirements satisfied" subparagraph. The sentence does not make sense as written.
31)	91	3.2.3.1.2	In the "Purpose and requirements satisfied" subparagraph, first sentence, the slashes should be replaced with the word "and". Reword the second sentence to read, "Currently, surface freight incheck. . . ".
32)	96	3.2.3.2.2	Replace all occurrences of "Receive/Incheck" with "Receive and Incheck" in this paragraph.
33)	103	3.2.4.3	In the "Purpose and requirements satisfied" subparagraph, lines 2 and 4, change "is" to "are". In line 10, change "it" to "they" and make "corresponds" singular.
34)	109	3.4	In the second paragraph, line 16, change "is" to "are".
35)	111	3.8.2	In line 9, remove the hyphen from "alpha-numeric".
36)	112	3.10.2	In lines 4 and 6, change "detail" to "detailed".

37)	115	4.2.2	In the 'Test Description' subparagraph, line 7, add the word 'on' between 'Workstation' and 'a'.
38)	A-1	10	Most of the acronyms listed are not unique to CMOS.
39)	A-1	10(ARPA)	Change 'Researched' to 'Research'.
40)	A-9	10	Delete TOA. The correct acronym is TC - Transportation Component.

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0002
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 3&14 PARA. NUMBER: Figure 1.2.b and Figure 3

COMMENT OR RECOMMENDED CHANGE:
Two of the processes identified in Table 4-3 of the System/Segment Design Document as manual processes are not shaded in these figures. The processes are "Distribute Inbound Cargo," SC1313 and SC1323. Also, the system capability in the legend, SC114K, should be shaded here and in all subsequent entries.

RATIONALE:
The figures are incorrect.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0003
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 23 PARA. NUMBER: 3.2.1

COMMENT OR RECOMMENDED CHANGE:
In the "Purpose and requirements satisfied" subparagraph, the second paragraph identifies the SSS as the source for the System Administration requirements. While this is true, the SSDD offers a better reference tool to trace the allocation of requirements. The SSDD should be identified as a source for the shall statements.

RATIONALE:
The requirements were allocated from the SSS to the SSDD, where the system capability identifier was assigned.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER. SRS-SAIC-0004
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 23 PARA. NUMBER: Figure 3.2.1b

COMMENT OR RECOMMENDED CHANGE: Each external interface should be identified in a rectangle with the associated inputs and outputs. The relationship should be depicted first in a single circular blow-up of CMOS represented as DFD 0. Each system capability (SC) beginning with System Administration and its associated data flows and data stores, should be rendered in DFDs that are numbered 1., 1.1, 1.2, 1.3, etc. The context diagram at Attachment One is provided as an example.

RATIONALE:
DFD 1 does not logically decompose into DFD 1.1 and the subsequent diagrams, because the standard DFD conventions have not been used. Tracing the allocated requirements through the DFD's is a difficult task due to their disjointed presentation.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0005
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 24 PARA. NUMBER: 3.2.1; SS0075

COMMENT OR RECOMMENDED CHANGE:
This is a contractual obligation, not a function of the System Administration capability. The Contractor is responsible for integrating development software with non-development software. At the time of acceptance, the government will decide if the requirement has been met.

RATIONALE:
This shall statement is misplaced in the applications CSCI.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0006
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 24 PARA. NUMBER: 3.2.1;SS0250-SS0256

COMMENT OR RECOMMENDED CHANGE:
These data base procedures are functions of the RDBMS and should be allocated to the System Environment CSCI, para 3.2.8, SC38.

RATIONALE:
The requirements allocated to SC11 should pertain to the System Administration capability.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0007
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 25 PARA. NUMBER: 3.2.1.1; SS0185

COMMENT OR RECOMMENDED CHANGE:
This is a contractual obligation, not a function of the System Administration capability.

RATIONALE:
This shall statement is misplaced in the Applications CSCI.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0008
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 25 PARA. NUMBER: 3.2.1.1; SS0220 & SS0221

COMMENT OR RECOMMENDED CHANGE:
These two shall statements should be consolidated.

RATIONALE:
The color conventions for time sensitive visual displays (red, yellow, and green) are one requirement.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0009
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 25 PARA. NUMBER: 3.2.1.1

COMMENT OR RECOMMENDED CHANGE:
Two shall statements, SS0782 & SS0784, are missing from the list of requirements, and there does not appear to be any appropriate alternative system capabilities in which to place them.

RATIONALE: User access to the system and its functional processes is managed by System Administration.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0010
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 26 PARA. NUMBER: Figure 3.2.1.1

COMMENT OR RECOMMENDED CHANGE:
The following comment which was submitted during review of the SSDD (figure E-5 on page E-5) also applies to this Data Flow Diagram (DFD). Data flows into and out of a process should balance with the flows of that process. For example, in figure 3.2.1.1, the process "Initialize CMOS" has one inflow and two outflows. Therefore, Figure 3.2.1.1.1 should have two outflows and one inflow. All other flows should begin and end within figure 3.2.1.1 (in a circular fashion). It appears that underlying processes are not represented. Each process should be balanced with its respective exploded view. As all the requirements become allocated to the lower level capabilities, it becomes increasingly difficult to view the processes in the DFDs as anything more than separate, self-contained entities. This comment applies to all DFDs in the Applications CSCI. Please reference Attachment One.

RATIONALE:
Adherence to accepted industry standard DFD conventions would increase the readability and logical flow of these drawings.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0011
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 47 PARA. NUMBER: 3.2.2

COMMENT OR RECOMMENDED CHANGE:
The "purpose and requirements satisfied" subparagraph, line 14, implies that any shipment record that doesn't originate in the SBSS will be initiated by packing & crating. For intransit cargo, the shipment record will be handled by Air or Surface Freight, and in some cases, Shipment Planning unless repacking is needed.

RATIONALE: Advance notification procedures will preload the shipping record for intransit cargo prior to arrival. Air or surface freight will receive the cargo, treating the material as inbound cargo until the incheck is completed.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0012
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 47 and 84 PARA. NUMBER: 3.2.2 and 3.2.3

COMMENT OR RECOMMENDED CHANGE:
Two of the three LOGMARS interface software requirements (SS0263 and SS0264) are allocated to SC12 and SC13. The third requirement (SS0265) is allocated to the Host Processor SC within the System Environment CSCI. For consistency, the requirements should be allocated to the Applications CSCI.

RATIONALE:
The LOGMARS interface software facilitates the connectivity of application programs between PC Workstations and the hand-held terminals.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0013
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 47 and 84 PARA. NUMBER: 3.2.2 and 3.2.3

COMMENT OR RECOMMENDED CHANGE:
The introduction to the outbound and inbound cargo processes should be reworded to use the same terminology.

RATIONALE:
Paragraph 3.2.2 refers to processing outbound cargo as a "CSCI capability" while paragraph 3.2.3 identifies processing inbound cargo as a "CSC".

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0014
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 65 PARA. NUMBER: 3.2.2.3.3

COMMENT OR RECOMMENDED CHANGE:
In the "Purpose and requirements satisfied" subparagraph, queries against the ATCMDs are limited to using the TCN. The capability to look up ATCMD data should include any field in the ATCMD record. Fields that would be particularly useful for this purpose include the POD, RDD, Consignee, and Commodity/Special handling code.

RATIONALE:
Provides more flexibility for inquiries and takes full advantage of the ORACLE RDBMS.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0015
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 71 PARA. NUMBER: 3.2.2.4.2

COMMENT OR RECOMMENDED CHANGE:
The purpose statement is too narrowly focused to support the inputs and outputs shown in Figure 3.2.2.4.1. The purpose statement should make mention of the fact that numerous sources of data converge to assist in the generation of cargo documentation.

RATIONALE:
The purpose statement should offer an overview of where information originates and how it is received and manipulated to produce movement documents.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0016
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 72 PARA. NUMBER: Figure 3.2.2.4.1

COMMENT OR RECOMMENDED CHANGE:
The data flow between the ISR data store and the Load Surface Freight process referenced in paragraph 3.2.2.4.3(2) needs to reflect the input of the ISR data into the process.

RATIONALE:
The direction of the ISR data flow is not defined.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0017
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 85 PARA. NUMBER: Figure 3.2.3

COMMENT OR RECOMMENDED CHANGE:
The following project unique identifiers should be shaded to indicate manual processes: SC1313, SC1323, and SC114K.

RATIONALE:
The figure is inaccurate.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0018
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 86 PARA. NUMBER: 3.2.3.1

COMMENT OR RECOMMENDED CHANGE:
The assignment of a cargo storage location is missing from the "Purpose and requirements satisfied" subparagraph.

RATIONALE:
The omission is evident in the subsequent DFDs and in Appendix G-16 (SC1241, DE0037) and G-20 (SC1251, DE0037).

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0019
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 100 PARA. NUMBER: 3.2.4

COMMENT OR RECOMMENDED CHANGE:
The description of Users Services (SC14) closely parallels that of System Administration. All the requirements allocated to this capability were also allocated to System Administration. The next version of the SRS should provide the reader with enough information to distinguish between the two capabilities.

RATIONALE:
Users Services appears to duplicate System Administration.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0020
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 103 PARA. NUMBER: 3.2.4.3

COMMENT OR RECOMMENDED CHANGE:
SS0740, para 3.2.5.4.1.b-2 should be allocated to SC143.

RATIONALE:
The User's Manual will contain the "error/management phrase". This will map all the allocations from paragraph 3.2.5.4.1b in the SSS through the SSDD to the SRS.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0021
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 103 PARA. NUMBER: 3.2.4.3

COMMENT OR RECOMMENDED CHANGE:
SS0797 should also be allocated to SC142.

RATIONALE:
The requirement pertains to the Contractor training operators how to use the User's Manual.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0022
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 103 PARA. NUMBER: 3.2.4.4

COMMENT OR RECOMMENDED CHANGE:
The first two "requirements" allocated to SC144 (SS0095 and SS0096) are actually part of the introduction to the timing responses that follow. SS0097 contains two requirements: (1) simple transactions and (2) complex transactions. The response time note in SS101 should not be incorporated in any of the individual capabilities.

RATIONALE:
These errors first appeared when the SSS requirements were allocated to the SSDD. They have been repeated in this document.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0023
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Gerald T. Love OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

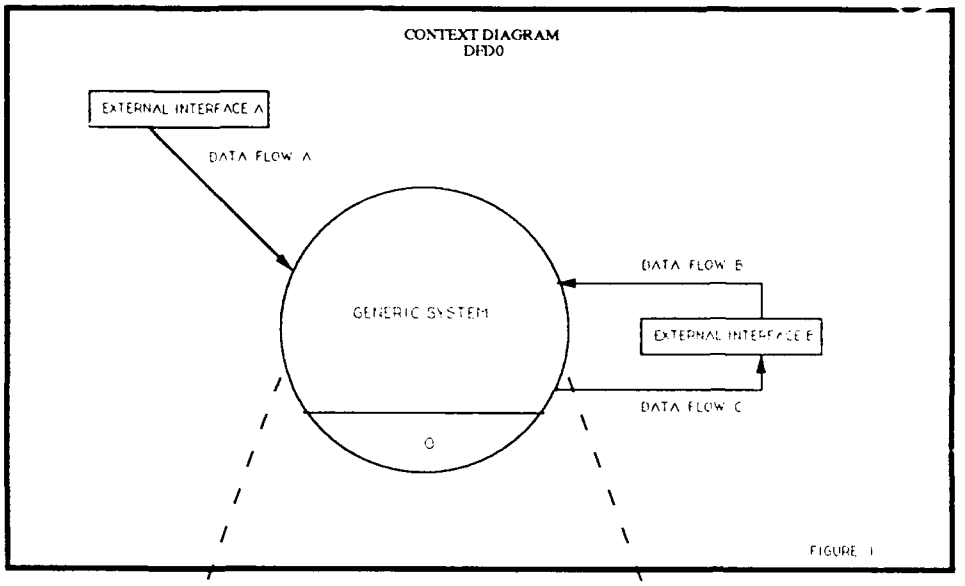
SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 110 PARA. NUMBER: 3.6

COMMENT OR RECOMMENDED CHANGE:
There is no reference to the specific location of this information in the SSDD. The discussion of memory found in the SSDD does not cover the amount of memory to be consumed by the Applications CSCI. The SSDD references pertain to disk capacity.

RATIONALE:
The sizing and timing requirements called for in DI-MCCR-80025A should be included in this paragraph.

DISPOSITION: ACCEPT [ ] REJECT [ ]



STEP 1

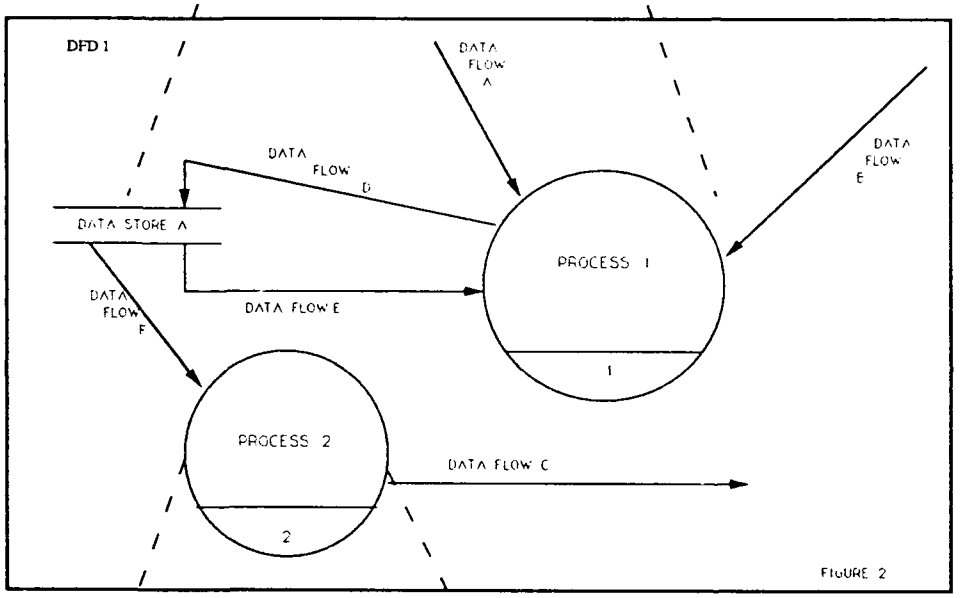
A. [illegible] CONTEXT DIAGRAM

B. PASS DATA FLOWS TO NEXT LEVEL DOWN

EX: 2 INFLOWS (DATA FLOW A
DATA FLOW B

1 OUTFLOW (DATA FLOW C

are passed to DFD 1



STEP 2

A. BEGIN WITH DATA FLOWS PASSED DOWN

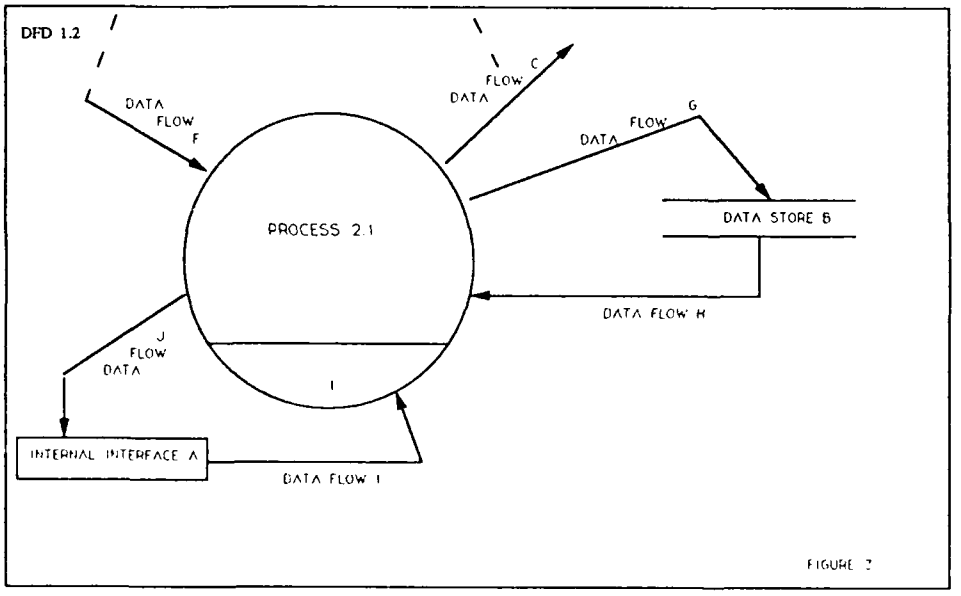
B. EXPLODE PROCESS FROM PREVIOUS LEVEL

C. PASS DATA FLOWS TO NEXT LEVEL DOWN

EX: 1 INFLOW (DATA FLOW F)

1 OUTFLOW (DATA FLOW C)

are passed to DFD 1.2



STEP 3

A. BEGIN WITH DATA FLOWS PASSED DOWN

B. EXPLODE PROCESS FROM PREVIOUS LEVEL

* DECOMPOSITION COMPLETE FOR THIS PATH

* DIAGRAMS CONSTRUCTED IN THIS MANNER ARE BALANCED

ATTACHMENT ONE. BALANCED DATA FLOW DIAGRAM EXAMPLE

COMMUNICATIONS CSCI

The following comments are related to the Software Requirements Specification Communications CSCI.

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0001
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: EDITORIAL: X

PAGE NUMBER: PARA. NUMBER:

COMMENT OR RECOMMENDED CHANGE:
All editorial comments for the Communications Computer Software Configuration Item have been collected on this worksheet and are arranged in page number order.

RATIONALE:
N/A

DISPOSITION: ACCEPT [ ] REJECT [ ]

	Page No.	Paragraph Number	Comment
1)	1	1.2	In line 23, "(Increment II)" should be inserted after "Frequency Scanner Transmissions." At the end of line 26, there should be a right parenthesis after "CMOS."
2)	5	2.1.2.1 a.	In line 2, the first hyphen in "Ref-er-" should be removed.
3)	9	Figure 3.1	The DDN Handler is labeled DDN Adapter. The other Adapters are labeled Handlers.
4)	11	3.1.3	Under the heading "Identifying documentation:," AUTODIN should be "SBSS."
5)	12	3.1.5	Under the heading "Identifying documentation:," it appears that "and" should precede "notify" in line 4.
6)	18	3.2.2 d.	The acronym "DPC" is not in Appendix A.

7)	19	3.2.2	This applies to all "Performance in measurable terms:" subparagraphs for which no measurable performance criteria exist. Replace "is" with "are" since "criteria" is plural.
8)	30	3.3	In line 14 of the second subparagraph, a comma is needed after "i.e."
9)	30	3.3	In line 6 of the third subparagraph, "as" should be inserted after "such."
10)	30	3.3	Number 1 in the list of internal interfaces appears to need "DDN" inserted before "adapter."
11)	45	5.2	This heading should read "TMO/SA Host Processors."
12)	45	5.2 b.	The acronym "FTPI" is not in Appendix A.
13)	45	5.3	The acronym "TPI" is not in Appendix A.

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0002
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 9 PARA. NUMBER: 3.1

COMMENT OR RECOMMENDED CHANGE:
The interface between CCP and CMOS is not completely addressed. There should be a CCP Data Distributor to CMOS RDBMS interface, a CCP Data Distributor capability, and an Incoming Message Manager to CCP Data Distributor interface. Reference the Revised Preliminary IRS para. 3.10.1 a. and comments dated 11-1-89. Also reference the RFP Appendix C para. 1 (p. 91) which states, "manifest data received at overseas consignee CMOS from CCP..."

RATIONALE:
This interface and capability are needed for completeness.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0003
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 10 PARA. NUMBER: 3.1.1 Identifying documentation:

COMMENT OR RECOMMENDED CHANGE:
The IRS paragraph specifically related to the DDN interface should be referenced. This comment applies to all other paragraphs 3.3.x.

RATIONALE:
The DID, DI-MCCR-80025A, requires this reference (para. 10.1.5.1).

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0004
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 11 PARA. NUMBER: 3.1.3 Brief description:

COMMENT OR RECOMMENDED CHANGE:
In line 16, a specific paragraph should be referenced in the System Environment SRS. This comment applies to all references to other documents, such as the IRS, the Applications SRS, the SSDD, and the RTM.

RATIONALE:
References with paragraph numbers are more helpful and useful.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0005
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 11 PARA. NUMBER: 3.1.3 Brief description:

COMMENT OR RECOMMENDED CHANGE:
Use of the general terms "appropriate CMOS data store" and "appropriate application" is a little misleading after the more detailed description of the outgoing process. Removing the data store reference and replacing "appropriate application" with "Incoming Message Manager" would be consistent with Figure 3.2b.

RATIONALE:
This description could be misinterpreted.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0006
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 12 PARA. NUMBER: 3.1.6 Brief description:

COMMENT OR RECOMMENDED CHANGE:
This paragraph states that the CMOS Data Distributor updates the CMOS host database. The description of the CMOS Data Distributor (para. 3.2.6.4) states that pertinent tables and data stores are updated so that incoming information is available almost immediately. Neither of these paragraphs describe how database material being used at the functional level will be treated when concurrent updates occur. These paragraphs are the appropriate place to include a description of how this issue will be handled. This comment applies to all of the Data Distributor capabilities and their interfaces.

RATIONALE:
Since there are several methods of handling concurrent access to a database during distributed processing, it is important to include a description of the chosen method where appropriate.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0007
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 16 PARA. NUMBER: Figure 3.2b

COMMENT OR RECOMMENDED CHANGE:
The "Data Distributor" block should have CCP and SC&D added to it. The "External Interfaces" block should state specifically which ACA; it could be interpreted as CONUS or OCONUS, which would cause confusion.

RATIONALE:
Completeness and clarity. Also refer to the previous comment for page 9 paragraph 3.1.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0008
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/31/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 17 PARA. NUMBER: 3.2.1 Performance in measurable terms:

COMMENT OR RECOMMENDED CHANGE:
The ACA function referred to in this paragraph should be the OCONUS ACA function. The reference given addresses the OCONUS ACA function, which is different from the CONUS ACA function, and which is different from the OCONUS and CONUS ACA external interfaces. ACA has been given a different connotation in each of several contexts. Each usage should be defined and a consistent name agreed upon. This comment applies to all paragraphs that address the OCONUS ACA function, the CONUS ACA function, as well as the OCONUS and CONUS ACA external interfaces.

RATIONALE:
Consistent use of names aids understanding.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0009
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Ronald J. Lacour OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 17-22 PARA. NUMBER: Listed below

COMMENT OR RECOMMENDED CHANGE:
A verification was made of the validity of requirement assignments to the communications capabilities. The following listing by paragraph identifies requirements (shall statements) omitted or erroneously assigned to a particular capability.

Para. No. Capability	Requirement (Shall Statement) Improperly Assigned	Requirement (Shall Statement) Omitted
3.2.1 DDN Adapter	SS0475 SS0745 SS0777 SS0778	SS0076 SS0077 SS0078 SS0079 SS0080 SS0081 SS0743
3.2.2 AUTODIN Adapter	SS0475 SS0745	SS0081 SS0084 SS0187 SS0188 SS0189
3.2.3 LAN Adapter		SS0083 SS0084 SS0085
3.2.5 SBSS Adapter	SS0074	SS0090 SS0091 SS0092
3.2.6 Incoming Message Manager	SS0749	

This listing is not all inclusive and indicates a significant problem with the tool used to allocate requirements to capabilities. Resolution will avoid adverse impact on system design.

RATIONALE:
Properly assigned requirements are essential to the premise of this document.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0010
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 18 PARA. NUMBER: 3.2.1

COMMENT OR RECOMMENDED CHANGE:
"Inputs" and "Outputs" for the DDN Adapter can be found in the IRS. For example, record layouts for ADAM III data can be found in Appendix F Tables 3.5.2a-d of the IRS. Given that this information exists, it is not TBD and should be referenced. This comment applies to all input and output subparagraphs under capabilities. In the event information is actually incomplete, what is known can be supplied and specific missing items can be labeled as TBD.

RATIONALE:
The TBD label has been applied in a confusing manner.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0011
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 20 PARA. NUMBER: 3.2.4

COMMENT OR RECOMMENDED CHANGE:
The inputs and outputs of "DDN E-mail, Local E-mail," and "ORACLE Message" should be elaborated on in the next iteration of this SRS.

RATIONALE:
These terms are somewhat more general than the "identify and state the purpose of each input and output" that the DID, DI-MCCR-80025A, requires.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0012
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 20 PARA. NUMBER: 3.2.5

COMMENT OR RECOMMENDED CHANGE:
This paragraph references Figure 3.2.5 and explains how the SBSS Adapter handles SBSS traffic. ICI is represented in the figure, but an explanation is not given to relate it to the SBSS Adapter. It is unclear whether or not a separate adapter must be present to handle ICI traffic. Additional information is needed.

RATIONALE:
The relationship between ICI and SBSS communications is not made clear.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0013
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 22 PARA. NUMBER: 3.2.6.1

COMMENT OR RECOMMENDED CHANGE:
The inputs and outputs in this paragraph are labeled as "TBD prior to CDR." Since the CDR is scheduled well after the final version of this document is due, there must be a mistake here. This comment applies to all other "TBD prior to CDR" items.

RATIONALE:
The information given is incorrect.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0014
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Ronald J. Lacour OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 24-29 PARA. NUMBER: 3.2.6.4 through 3.2.7.8

COMMENT OR RECOMMENDED CHANGE:
Paragraph 3.2, fourth section states that "the allocated requirements are listed under the purpose and requirements portion." However, in the referenced paragraphs, the requirements are listed in various other subparagraphs, i.e., "Outputs" or "Performance in measurable terms."

RATIONALE:
Requirements should be referenced where specified for consistency.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0015
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 33-38 PARA. NUMBER: 3.3.1-24

COMMENT OR RECOMMENDED CHANGE:
These paragraphs do not meet the requirements of the DID.

RATIONALE:
DID paragraph 10.1.5.3 requires that each internal interface description include a summary of the information passed over the interface. None of the subparagraphs of section 3.3 provide this data.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0016
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 37-38 PARA. NUMBER: 3.3.20-24

COMMENT OR RECOMMENDED CHANGE:
The purpose of these 'Brief description:' paragraphs is to describe the interface between the Incoming Message Manager and each of the data distributors. In each of these paragraphs one sentence has been devoted to that purpose and the rest of the paragraph describes the interface (in process terms) between the data distributors and the RDBMS. While the process that passes data between these interfaces is an integral part of the interface description, data flows and interface characteristics are of equal importance. These paragraphs should be rewritten with specific attention given to their primary purpose.

RATIONALE:
Coherence aids understanding and promotes usefulness.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0017
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 39 PARA. NUMBER: 3.5.1

COMMENT OR RECOMMENDED CHANGE:
The requirements of paragraph 10.1.5.5.1 of the DID are not met.

RATIONALE:
The DID requires that all installation-dependent data be described, and that the CSCI capabilities which use this data be identified. The paragraph, as written, provides only a general discussion of the installation-dependent data required.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0018
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 43 PARA. NUMBER: 4.2.1 b.

COMMENT OR RECOMMENDED CHANGE:
The specific SSS references should be 3.2.1.2.5.2.2 b. and 3.2.1.2.5.2.5.

RATIONALE:
Specific document titles and paragraph numbers allow quick references.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0019
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/01/89

ORIGINATOR NAME: Vivian L. Martin OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 45 PARA. NUMBER: 5.3

COMMENT OR RECOMMENDED CHANGE:
The only deliverable medium listed for workstation software is 5.25 inch, 1.2 Mb capacity, high density diskette. Since the SSS requires that PC workstations be equipped with 360Kb floppy diskette drives, they would be an appropriate option.

RATIONALE:
Adding an alternative will ease installation procedures later when lesser capacity drives are encountered.

DISPOSITION: ACCEPT [ ] REJECT [ ]

SYSTEM ENVIRONMENT CSCI

The following comments are related to the Software Requirements Specification System Environment CSCI.

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0001
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: EDITORIAL: X

PAGE NUMBER: PARA. NUMBER:

COMMENT OR RECOMMENDED CHANGE:
All editorial comments for the System Environment Computer Software Configuration Item have been collected on this worksheet and are arranged in page number order.

RATIONALE:
N/A

DISPOSITION: ACCEPT [ ] REJECT [ ]

	Page No.	Paragraph Number	Comment
1)	3	Figure 1.2b	"CMOS Increment" should be replaced by "Applications".
2)	4	Figure 1.3.1	The titles in boxes directly under system environment have only one word titles, which is not sufficient for paragraphs 2, 3, 4, and 5. The appendices are listed as item 7, which is not in compliance with the DID. The expansion of boxes which have subparagraphs should be consistent, i.e., if sections 1 and 4 are expanded, sections 2, 3, and 5 should be also.
3)	14	Figure 3.1	The connection from the 3B2 to DDN is routed through an item entitled "LAN I/F CARD". This item should be "DDN I/F CARD". The box labeled "PLUS" in the 3B2 area should be "SQL*PLUS". The box labeled "RS232 CARD" has several boxes with "M's" attached to it. These appear to represent modems, but this is not clear in the diagram. The "LASER

			PRINTER" and "LOGMARS CRADLE" boxes have double asterisks by them which are not explained.
4)	26	3.2.1	The use of "COTS" in the "Inputs" and "Outputs" sections of this paragraph is not necessary since all software in this CSCI has been identified as COTS NDS. This comment also applies to all subsequent uses of this acronym.
5)	26	3.2.2	The phrase "the MS-DOS" in the first sentence of the "Purpose and requirements satisfied" paragraph should be "MS-DOS" only.
6)	27	3.2.3	All occurrences of "SMTF" in this paragraph should be replaced with "SMTP".
7)	31	3.2.9	The word "kernel" is misspelled in the 18th line of the "Purpose and requirements satisfied" paragraph.
8)	36	3.3.1	The use of the word "the" before "DDN" is not required.
9)	37	3.3.3	The word "kernel" is misspelled in the fifth line of the "Brief description" paragraph.
10)	39	3.3.7	The word following LOGMARS in the fourth line should be "equipment".
11)	43	3.11.1	The word following "key" in the second paragraph should be "elements".
12)	47	4	This paragraph should be titled "Qualification Requirements".
13)	A-1	10	There is no need to number this paragraph since it is the only one in Appendix A.
14)	B-1	N/A	In the "AUTODIN" definition, replace "the DDN" with "DDN". Insert the word "also" before "serve".
15)	C-3	43-44	Replace "SMS CRC" with "SMSCRC".

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0002
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: All PARA. NUMBER: N/A

COMMENT OR RECOMMENDED CHANGE:
Paragraph identification does not follow a consistent pattern.

RATIONALE:
DI-MCCR-80025A specifies a decimal notation for paragraph identification. Many of the paragraphs in this document are composed of subparagraphs which have no identifying paragraph number or letter. Referencing these paragraphs is, therefore, cumbersome. In addition, the structure of the paragraph is often difficult to determine. For example, the description of LAN-UNIX interface features on page 37 is not easily separated from the main body of the paragraph.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0003
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 14 PARA. NUMBER: Figure 3.1

COMMENT OR RECOMMENDED CHANGE:
The "CSCI INTERFACE ARCHITECTURE" should also depict the configuration of the satellite sites.

RATIONALE:
The configuration at the satellite sites is markedly different than that depicted, and should, therefore, be separately represented.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0004
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 14 PARA. NUMBER: Figure 3.1

COMMENT OR RECOMMENDED CHANGE:
The figure is incomplete.

RATIONALE:
The use of the floppy disk drive on the host processors to interface with AUTODIN is not depicted.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0005
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 15-23 PARA. NUMBER: 3.1

COMMENT OR RECOMMENDED CHANGE:
This paragraph and its subparagraphs are not in compliance with paragraph 10.1.5.1 of the DID.

RATIONALE:
Paragraph 10.1.5.1 of DI-MCCR-80025A references Figure 1 on page 6 of that document. This figure clearly shows the external interfaces referred to in paragraph 10.1.5.1 are at the same level as the CSCI, that is, other CSCIs or HWCIs. The System Environment CSCI External Interfaces should be described in terms of its relationship to the Communication and Applications CSCIs and the three HWCIs, not the lower level processes as was done in this section. The descriptions provided on pages 15-23 address specific components of the Host Processor and PC Workstation HWCIs, while the LAN HWCI is not discussed at all. In addition, interfaces which are external to the entire system, e.g., DDN, AUTODIN, or the S1100 SBSS interface, require that the Interface Requirements Specification be referenced.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0006
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 24 PARA. NUMBER: 3.2

COMMENT OR RECOMMENDED CHANGE:
The capabilities described in this section do not agree with the description given in the Communications CSCI SRS.

RATIONALE:
The Communications CSCI references the "DDN Handler", "LAN Handler", "AUTODIN Handler", and the "SBSS Handler" as NDS software, but these items are not listed as capabilities or mentioned in this document.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0007
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 24 PARA. NUMBER: 3.2.1

COMMENT OR RECOMMENDED CHANGE:
The "Purpose and requirements satisfied" paragraph needs to be rewritten.

RATIONALE:
The first paragraph states that the Operating System (OS) for the Host Processor includes TPLUS and TROFF interface software. TPLUS/TROFF are utilities for document formatting which are not part of the OS, and the use of TPLUS/TROFF in CMOS is not identified elsewhere. The vendor documentation listed in Appendix C, Para 2 (items 27 and 28) refers to TPLUS/TROFF laser printer documentation, while the comma separating TPLUS and TROFF in this paragraph makes it appear that they are distinct items. The "SVID Standards" mentioned in the first paragraph are not listed under paragraph 2.2.2. Also, the paragraph following the numbered items lists most of those items again.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0008
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 26 PARA. NUMBER: 3.2.1

COMMENT OR RECOMMENDED CHANGE:
Some of the "shall statements" allocated to this capability are inappropriate and other "shall statements" that should be allocated are missing. This condition exists with a large number of other capabilities.

RATIONALE:
In this particular paragraph, only the first three are directly related to the Host Processor OS. (It might be noted that SS0015 is merely an introductory statement for paragraphs SS0016 and SS0017.) Paragraph SS0734, and to a greater degree paragraphs SS0777 and SS0778, are so general in nature that they could easily be applied to any CMOS capability. On the other hand, paragraphs SS0127-8 and SS0130-2, which deal with the restart and recovery procedures for the host, will certainly make use of the features of the Host Processor OS, but are not included in the requirements listing.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0009
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 26 PARA. NUMBER: 3.2.1

COMMENT OR RECOMMENDED CHANGE:
The requirements of the DID, relative to a description of inputs and outputs, are not adequately addressed in this paragraph or any of the corresponding sections of subsequent paragraphs.

RATIONALE:
The DID requires a listing of the identity and purpose of input and outputs from each capability. A general statement which refers the reader to the vendor documentation is provided in lieu of this requirement. If this method is to be used, the reference needs to be much more specific, to include, at a minimum, the name of the document and applicable section within that document. Where possible, the page and paragraph number should also be cited. If there are no inputs and outputs which are related to CMOS, a statement to that effect should be sufficient.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0010

TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 30 PARA. NUMBER: 3.2.8

COMMENT OR RECOMMENDED CHANGE:
The second sentence implies that one approach to applications development was omitted.

RATIONALE:
The sentence refers to "both approaches", while only one has been described in the previous sentence.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0011
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Ronald J. Lacour OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 31 PARA. NUMBER: 3.2.9

COMMENT OR RECOMMENDED CHANGE:
Line 15 in the second subparagraph incorrectly lists Pro*Ada as a precompiler. This problem is repeated in paragraph 3.3.4.

RATIONALE:
Paragraph 3.2.7 identifies C as the HOL used by CMOS.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0012
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Bassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 32 PARA. NUMBER: 3.2.9

COMMENT OR RECOMMENDED CHANGE:
The reference for the inputs and outputs of this and all subsequent paragraphs in section 3.2 is in error, with the exception of paragraph 3.2.13.

RATIONALE:
Paragraphs 3.2.9 thru 14 refer the reader to the DESQview documentation for a description of inputs and outputs. Only paragraph 3.2.13 discusses the capabilities of DESQview.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0013
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 34 PARA. NUMBER: 3.3

COMMENT OR RECOMMENDED CHANGE:
The statements in this paragraph imply that the System Environment CSCI is subordinate to the other CSCIs.

RATIONALE:
The second sentence of the second subparagraph dismisses the data flows of this CSCI by stating that they occur at the "system level". The extensive use of NDS does not relieve the developer of the requirement to describe the portions of the system which utilize vendor-provided software. The following sentence states, "These interfaces will be 'used' by other higher level components of CMOS described in other SRSs." This statement is misleading because all CMOS software will be implemented by use of the NDS components listed in this SRS. The System Environment CSCI is at the same level as the Applications CSCI and the Communications CSCI; that is, they are all CSCIs. The distinction between CSCIs should be one of functional responsibility, not of different "levels".

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0014
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 34 PARA. NUMBER: 3.3

COMMENT OR RECOMMENDED CHANGE:
The last subparagraph seems to be misplaced.

RATIONALE:
The other paragraphs are of an introductory nature, while the last paragraph specifically refers to the nature of DDN communications. The relationship of this information to the overall nature of CSCI internal interfaces is not clear.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0015
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 36 PARA. NUMBER: 3.3.1

COMMENT OR RECOMMENDED CHANGE:
The elements of this paragraph do not adequately describe the DDN-UNIX interface.

RATIONALE:
The mention of host-to-terminal and terminal-to-host communications in the "Brief description" section does not address the DDN-UNIX interface. Instead, it is a description of the DDN process itself. Also, the inclusion of the DDN communications hardware, as part of this description, adds little value to the intent of this section.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0016
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 36-37 PARA. NUMBER: 3.3.2

COMMENT OR RECOMMENDED CHANGE:
The elements of this paragraph do not adequately describe the LAN-UNIX interface.

RATIONALE:
The description provided is of the interface between the LAN HWCI, Host Processor HWCI, and the LAN NDS.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0017
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 36-40 PARA. NUMBER: 3.3.1-12

COMMENT OR RECOMMENDED CHANGE:
These paragraphs do not meet the requirements of the DID.

RATIONALE:
DID paragraph 10.1.5.3 requires that each internal interface description include a summary of the information passed over the interface. None of the subparagraphs of section 3.3 provide this data.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0018
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Ronald J. Lacour OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 38 PARA. NUMBER: 3.3.4

COMMENT OR RECOMMENDED CHANGE:
The PC ORACLE/MS-DOS interface is not clearly defined.

RATIONALE:
This paragraph does not describe the PC ORACLE/MS-DOS interface. Rather, it provides a description of the ORACLE database capabilities. The relationship between PC ORACLE and MS-DOS needs to be explained here.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0019
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 38 PARA. NUMBER: 3.3.6

COMMENT OR RECOMMENDED CHANGE:
The term "pseudo-multitasking" requires an explanation.

RATIONALE:
The meaning of "pseudo-multitasking" is subject to interpretation unless further defined.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0020
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 39 PARA. NUMBER: 3.3.9

COMMENT OR RECOMMENDED CHANGE:
The elements of this paragraph do not adequately address the E-mail/UNIX interface.

RATIONALE:
No mention is made of the UNIX E-mail capabilities which are referenced in paragraph 3.2.5. The description of paragraph 3.2.5 makes it appear as though the Prelude package provides a menu-driven interface to various utilities, including E-mail which is part of the UNIX OS for the Host Processor. If this is the case, a better title for the paragraph would be "Office Automation-UNIX Interface".

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0021
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 39 PARA. NUMBER: 3.3.10

COMMENT OR RECOMMENDED CHANGE:
The elements of this paragraph do not adequately describe the C/MS-DOS interface.

RATIONALE:
The description provided discusses only Microsoft C.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0022
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 40 PARA. NUMBER: 3.3.12

COMMENT OR RECOMMENDED CHANGE:
The description provided does not adequately address an ORACLE/UNIX interface.

RATIONALE:
The discussion pertains to the different versions of ORACLE which will be required for development and end use. A listing of three ORACLE products for the 3B2 is also given, although not required in this paragraph.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0023
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 40 PARA. NUMBER: 3.4

COMMENT OR RECOMMENDED CHANGE:
The requirements of paragraph 10.1.5.4 of DI-MCCR-80025A are not met.

RATIONALE:
A detailed discussion of internal and external data elements is required by the DID. The assignment of all NDS software to this CSCI does not absolve the developer of the responsibility to identify and describe the data elements of this CSCI. The use of the word "conduits" in paragraph 3.4.2 indicates that the developer is aware of the requirement for data elements to flow into and out of this CSCI. These external data elements and the internal data elements, which are passed among the various NDS components, should be described in this section. Alternatively, the specific areas of the NDS documents, which describe these elements, should be clearly identified.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0024
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 40 PARA. NUMBER: 3.5.1

COMMENT OR RECOMMENDED CHANGE:
The requirements of paragraph 10.1.5.5.1 of the DID are not met.

RATIONALE:
The DID requires that all installation-dependent data be described, and that the CSCI capabilities, which use this data, be identified. The paragraph, as written, provides only a general discussion of the installation-dependent data required.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0025
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 40 PARA. NUMBER: 3.6

COMMENT OR RECOMMENDED CHANGE:
This paragraph does not meet the requirements of the DID.

RATIONALE:
The DID requires that the amount and location of internal and auxiliary memory and CPU processing time for this CSCI be specified in this paragraph. The appropriate information from the SSDD should be repeated here, or a more specific reference should be given.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0026
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 43 PARA. NUMBER: 3.11

COMMENT OR RECOMMENDED CHANGE:
This paragraph is not included as part of the requirements of the DID.

RATIONALE:
Paragraph 3.11 is titled "Additional Quality Factors" and is inserted before the proper discussion for paragraph 3.11, which is provided in paragraph 3.12. This section should be removed or placed under paragraph 3.9.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0027
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: 49 PARA. NUMBER: 5.1

COMMENT OR RECOMMENDED CHANGE:
Some of the formats specified for deliverable media are not in accordance with the requirements of the SSS.

RATIONALE:
Under paragraph 5.1.1, item 3 refers to a 3.5 inch 720Kb diskette. The AT&T 3B2/600G uses a 5.25 inch diskette. Paragraph 5.1.2 refers to a 1.2 Mb diskette as the medium for PC Workstation software delivery. The SSS requires that the PC Workstation be equipped with two 360Kb floppy diskette drives.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0028
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: Ronald J. Lacour OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: A-1 PARA. NUMBER: 10

COMMENT OR RECOMMENDED CHANGE:
This appendix requires reaccomplishment.

RATIONALE:
Many acronyms listed in Appendix A are not used in this document or in any other CMOS document. Some examples are "Base-TOP", "CM-LOGMOD", "CONEX", and "STALOG". In many instances, acronyms used in this document are not listed in the appendix. Examples are "ISO", "OSI", and "TFTP".

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0029
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: B-2 PARA. NUMBER: Ethernet

COMMENT OR RECOMMENDED CHANGE:
Change the definition to read, "An implementation of the 802.3 IEEE standard for Local Area Networks".

RATIONALE:
Ethernet is not a LAN standard per se; it is a widely used implementation of the IEEE 802.3 LAN standard.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0030
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: C-1 PARA. NUMBER: 1.

COMMENT OR RECOMMENDED CHANGE:
The numbering scheme used for paragraphs in this section does not comply with the format prescribed by the DID.

RATIONALE:
Paragraphs in appendices should be numbered in increments of ten (e.g., 10, 10.1, 20, 20.1, etc.).

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0031
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: C-1 PARA. NUMBER:

COMMENT OR RECOMMENDED CHANGE:
The current listing of documentation is incomplete and not easily related to the specific function to which the corresponding NDS belongs.

RATIONALE:
The documentation is grouped under three headings: PC Workstation, CMOS Host Processor, and LOGMARS. The first two items are identified elsewhere as HWCIs and the third is also a hardware item currently allocated under the PC Workstation HWCI. The LAN HWCI is not represented at all. The documentation should be organized according to the capability that it supports, i.e., the paragraphs of Section 3.2.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0032
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: C1-5 PARA. NUMBER: All

COMMENT OR RECOMMENDED CHANGE:
The dates of publication and version number should be included for all documentation items. Some, such as items 6 and 7, are so generally titled that it is impossible to identify which specific document they reference.

RATIONALE:
Different versions of documentation often contain widely divergent information and specifications.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0033
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: C1-5 PARA. NUMBER:

COMMENT OR RECOMMENDED CHANGE:
Those items which related to the operation and use of hardware items, such as items 17-24 of paragraph 1 and items 2-4 of paragraph 2, should not be included in the lists of vendor documentation that apply to software.

RATIONALE:
Many of the documents listed in this appendix are related to components of the HWCIs much more so than the NDS software described in this document.

DISPOSITION: ACCEPT [ ] REJECT [ ]

ORIGINATOR CONTROL NUMBER: SRS-SAIC-0034
TECH OFFICE CONTROL NUMBER:

DATA ITEM DISCREPANCY WORKSHEET

CDRL NUMBER: A003-02 DATE: 11/08/89

ORIGINATOR NAME: John J. Brassil OFFICE SYMBOL: SAIC

TELEPHONE NUMBER: 272-2999

SUBSTANTIVE: X EDITORIAL:

PAGE NUMBER: C-1 PARA. NUMBER: 13-15

COMMENT OR RECOMMENDED CHANGE:
These items should not be included in this appendix.

RATIONALE:
There is no requirement to use BASIC programs in CMOS.

DISPOSITION: ACCEPT [ ] REJECT [ ]