

System Test Specification
for the
KNEAD Example System

DCN: KNEADSTS20240313-P1:100

Revision Date: 14 Mar, 2024

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DOCUMENT CHANGE HISTORY

The following table is a simple list of released revisions sent for review. Records of reviews and the review artifacts are saved with reviewer information in the The KNEAD Project artifact repository.

Change Record

Date	Version	Author(s)	Change Reference
13 Mar 2024	P1	Lewis Collier	Preliminary DRAFT version

Each subsequent “section” outlines changes in each release.

Draft P1 Preliminary version of this document.

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CHAPTER 1

Scope

ALL-1.0 :: IF APPLICABLE, EACH SECTION HAS A SUMMARY OF DATA ITEM DESCRIPTION (DID) INFORMATION SHOWN IN THIS FONT. THESE ARE DISPLAYED IN SMALL CAPITAL FONT AND ARE NOT PART OF THE FORMAL DOCUMENT. DISPLAY OF THESE DID INFORMATION NOTES CAN BE TURNED OFF FOR FORMAL RELEASES, BUT ARE DISPLAYED HERE FOR REFERENCE.

This document provides the System Test Specification (STS) for the UNDEFINED System. The system will be referred to as the Undefined-Sys.

1.1 Identification

ALL-1.1 :: THIS PARAGRAPH SHALL CONTAIN A FULL IDENTIFICATION OF THE SYSTEM TO WHICH THIS DOCUMENT APPLIES, INCLUDING, AS APPLICABLE, IDENTIFICATION NUMBER(S), TITLE(S), ABBREVIATION(S), VERSION NUMBER(S), AND RELEASE NUMBER(S).

The UNDEFINED System described in this document shall be known as Undefined-Sys version 1. However, the STS described herein shall be applicable to pre-releases such as Beta-releases for a phased release as listed for each requirement.

1.2 System Overview

ALL-1.2 :: THIS PARAGRAPH SHALL BRIEFLY STATE THE PURPOSE OF THE SYSTEM TO WHICH THIS DOCUMENT APPLIES. IT SHALL DESCRIBE THE GENERAL NATURE OF THE SYSTEM; SUMMARIZE THE HISTORY OF SYSTEM DEVELOPMENT, OPERATION, AND MAINTENANCE; IDENTIFY THE PROJECT SPONSOR, ACQUIRER, USER, DEVELOPER, AND SUPPORT AGENCIES; IDENTIFY CURRENT AND PLANNED OPERATING SITES; AND LIST OTHER RELEVANT DOCUMENTS.

The UNDEFINED System system is ...TBD....

Figure 1 shows the high-level architecture for the Undefined-Sys system. This diagram shows the major external interfaces that provide the capabilities of Undefined-Sys. As are shown, the Undefined-Sys can provide ...TBD....

The general concept of operations (CONOP) for this system is ...TBD....

1.3 Document Overview

ALL-1.3 :: THIS PARAGRAPH SHALL SUMMARIZE THE PURPOSE AND CONTENTS OF THIS DOCUMENT AND SHALL DESCRIBE ANY SECURITY OR PRIVACY CONSIDERATIONS ASSOCIATED WITH ITS USE.

This section provides information about this document's security/privacy considerations, contents, structure, and version information.

1.3.1 Security and Privacy Considerations

This document is not subject to CUI restrictions.

This document format is based upon the guidance in the STD DID [1] and the STR DID [2]. The test planning is documented following the guidelines of ISO-12207 [3] and



Figure 1: System Overview

MIL-STD-498 [4] (from which ISO-12207 originated). This document follows the listed STS sub-section order.

Section 1 provides an overview of the system and this document.

Section 2 lists general and application-specific reference documents as well as glossary terms and acronyms.

Section 3 summarizes the test preparations.

Section 4 provides the detailed descriptions of the tests to be performed.¹

Section 5 provides any applicable requirement traceability.

Section 6 if needed, lists any general notes as may be applicable.

Appendices if needed, provide additional information as may be needed.

This document also is structured to serve as the basis for the system test report (STR). Each test is supplied with spaces for capturing pertinent hardware, software, and other log information. Each test is divided into one or more test cases, each with detailed steps,

¹This section follows the DID but places the test procedure details as the last section for each test case.

expected results for each step, and a set of easy to read pass/fail markers for each test step. All tests steps also provide space to fill in the results and to write notes and comments about each test step. The goal of this style is to generate this STR by scanning in the resultant STS with comments using this as the STR Appendix-A. In this manner, a “written” record of the testing is generated, thus saving money by not requiring a completely separate recording document for the STR.

1.3.2 Document Version Information

This document was produced in \LaTeX and *BibLaTeX/Biber*. The editing and document preparation were performed using \LaTeX version 2.9 with the build option [$\text{\LaTeX} \Rightarrow \text{PS} \Rightarrow \text{PDF}$]. The $\text{\LaTeX}svn-multi$ package was used to glean SVN tracking information, when files are stored in an “SVN” version control system. The style `KNEADdocument` was used to provide the \LaTeX and *BibLaTeX/Biber* formatting details.

This revision of this document has the following properties:

Tracking Item	Data
Repository	https://svn.riouxsvn.com/kneadlatxinputs/ExampleArtifactFolders/6b-STs/KNEAD_STS.tex
Author	LCollier
Revision	595
Rev Date	2017-05-30 14:07:20Z
Print Date	14 Mar, 2024 23:19
KNEADdocument Version	1.00
KNEADdocument Date	2021/12/05

CHAPTER 2

References

ALL-2.0.0 :: THIS SECTION SHALL LIST THE NUMBER, TITLE, REVISION, AND DATE OF ALL DOCUMENTS REFERENCED IN THIS SPECIFICATION. THIS SECTION SHALL ALSO IDENTIFY THE SOURCE FOR ALL DOCUMENTS NOT AVAILABLE THROUGH NORMAL GOVERNMENT STOCKING ACTIVITIES. IT ALSO SHALL INCLUDE A LIST OF ACRONYMS AND GLOSSARY TERMS SO THAT THEY ARE DEFINED BEFORE USE.

This section provides a list of referenced items for this document.

2.1 Acronyms and Abbreviations

ALL-2.1.0 :: THIS SECTION SHALL CONTAIN A FULL LIST OF DEFINITIONS FOR ALL ACRONYMS AND ABBREVIATIONS USED IN THIS DOCUMENT. THESE ARE OFTEN INCLUDED IN AN APPENDIX BUT ARE INCLUDED IN CHAPTER 2 ALONG WITH GLOSSARY TERMS AND CITED REFERENCES TO PRESENT THE READER WITH THE INFORMATION BEFORE IT IS NEEDED.

This section defines acronyms and abbreviations used in this and related documents.

Table 1: Acronym Definitions

Acronym	Definition
ATV	Analog Television
A/V	Audio / Visual
End of acronym definition table	

2.2 Glossary and Definitions

ALL-2.2.0 :: THIS SECTION SHALL CONTAIN A FULL LIST OF GLOSSARY DEFINITIONS FOR ALL SPECIALTY TERMS USED IN THIS DOCUMENT. THESE ARE OFTEN INCLUDED IN AN APPENDIX BUT ARE INCLUDED IN CHAPTER 2 ALONG WITH ACRONYMS / ABBREVIATIONS AND CITED REFERENCES AND GLOSSARY TERMS TO PRESENT THE READER WITH THE INFORMATION BEFORE IT IS NEEDED.

This section defines glossary terms used in this and related documents.

Table 2: Glossary Terms and Definitions

Glossary Term	Definition
Communications	Communication is information transfer, among users or processes, according to agreed conventions.
Glossary terms continue on next page	

Glossary terms – continued from previous page

Glossary Term	Definition
Customer	The local government project lead who is acting as a general manager for the sponsor to ensure that the contractor team executes the project according to stakeholder goals.
End of glossary terms table	

2.3 Referenced Documents

ALL-2.3.0 :: THIS SECTION SHALL CONTAIN A FULL LIST OF ALL ARTIFACTS REFERENCED FROM WITHIN THIS DOCUMENT. THESE ARE OFTEN INCLUDED IN A FINAL CHAPTER/SECTION OR APPENDIX BUT ARE INCLUDED IN CHAPTER 2 ALONG WITH ACRONYMS / ABBREVIATIONS AND GLOSSARY TERMS TO PRESENT THE READER WITH THE INFORMATION BEFORE IT IS NEEDED.

This section lists the referenced documents for this document. The references are categorized into two categories:

External Documents not directly associated with this project.

Project Documents that are directly associated with this project.

2.3.1 External Documents

- [1] DI-IPSC-81439. *Data Item Description for System Test Description*. Dec. 31, 1994.
- [2] DI-IPSC-81440. *Data Item Description for System Test Report*. Dec. 31, 1994.
- [3] IEEE and EIA. *Software life cycle processes*. Mar. 1998.
- [4] MIL-STD-498. *Military Standard Software Development and Documentation*. Dec. 31, 1994.

2.3.2 Project Specific Documents

CHAPTER 3

Test Preparations

STS-3.0.0 :: THIS SECTION SHALL BE DIVIDED INTO THE FOLLOWING PARAGRAPHS. SAFETY PRECAUTIONS, MARKED BY WARNING OR CAUTION, AND SECURITY AND PRIVACY CONSIDERATIONS SHALL BE INCLUDED AS APPLICABLE.

This section describes the test preparations to be performed for each test.

3.1 Test1

STS-3.X.0 :: THIS SECTION SHALL IDENTIFY A TEST BY PROJECT-UNIQUE IDENTIFIER, SHALL PROVIDE A BRIEF DESCRIPTION, AND SHALL BE DIVIDED INTO THE FOLLOWING SUB-PARAGRAPHS. WHEN THE INFORMATION REQUIRED DUPLICATES INFORMATION PREVIOUSLY SPECIFIED FOR ANOTHER TEST, THAT INFORMATION MAY BE REFERENCED RATHER THAN REPEATED.

Test Test1 is ...TBD....

3.1.1 Hardware Preparation

STS-3.x.1 :: THIS SUBSECTION SHALL DESCRIBE THE PROCEDURES NECESSARY PREPARE THE HARDWARE ITEM(S) UNDER TEST AND AND RELATED HARDWARE FOR THE TEST. REFERENCE MAY BE MADE TO PUBLISHED OPERATING MANUALS FOR THESE PROCEDURES. THE FOLLOWING INFORMATION SHALL BE PROVIDED, AS APPLICABLE AND AS MAY BE NECESSARY:

- (A) SPECIFIC HARDWARE TO BE USED, IDENTIFIED BY NAME AND, IF APPLICABLE, MODEL, SERIAL, AND/OR VERSION NUMBER,
- (B) ANY SWITCH SETTINGS, CONFIGURATION PARAMETERS, AND/OR CABLING NECESSARY TO CONNECT THE HARDWARE,
- (C) DIAGRAMS TO SHOW HARDWARE, INTERCONNECTING CONTROL, AND DATA PATHS, AND
- (D) STEP-BY-STEP INSTRUCTIONS FOR PLACING THE HARDWARE IN A STATE OF READINESS.

This hardware preparation for test Test1 is ...TBD....

3.1.2 Software Preparation

STS-3.x.2 :: THIS SUBSECTION SHALL DESCRIBE THE PROCEDURES NECESSARY TO PREPARE THE SOFTWARE ITEM(S) UNDER TEST AND ANY RELATED SOFTWARE, INCLUDING DATA, FOR THE TEST. REFERENCE MAY BE MADE TO PUBLISHED SOFTWARE MANUALS FOR THESE PROCEDURES. THE FOLLOWING INFORMATION SHALL BE PROVIDED, AS APPLICABLE AND AS MAY BE NECESSARY:

- (A) THE SPECIFIC SOFTWARE TO BE USED IN THE TEST, IDENTIFIED BY NAME AND, IF APPLICABLE, VERSION NUMBER,
- (B) THE STORAGE MEDIUM AND ARCHIVAL PLANS FOR DATA COLLECTED FROM THE ITEM(S) UNDER TEST,
- (C) THE STORAGE MEDIUM AND ARCHIVAL PLANS OF ANY RELATED SOFTWARE (E.G., SIMULATORS, TEST DRIVERS, DATABASES),
- (D) INSTRUCTIONS FOR LOADING THE SOFTWARE, INCLUDING REQUIRED SEQUENCE, AND
- (E) INSTRUCTIONS FOR SOFTWARE INITIALIZATION COMMON TO MORE THAN ONE TEST CASE.

This software preparation for test Test1 is ...TBD....

3.1.3 Other Preparation

STS-3.x.3 :: THIS SUBSECTION SHALL DESCRIBE ANY OTHER PRE-TEST PERSONNEL ACTIONS, PREPARATIONS, OR PROCEDURES NECESSARY TO PERFORM THE TEST.

This other preparation for test Test1 is ...TBD....

3.2 Test2

Test Test2 is ...TBD....

3.2.1 Hardware Preparation

This hardware preparation for test Test2 is ...TBD....

3.2.2 Software Preparation

This software preparation for test Test2 is ...TBD....

3.2.3 Other Preparation

This other preparation for test Test2 is ...TBD....

CHAPTER 4

Test Specifications

STS-4.0.0 :: THIS CHAPTER SHALL BE DIVIDED INTO THE FOLLOWING SECTIONS. SAFETY PRECAUTIONS, MARKED BY WARNING OR CAUTION, AND SECURITY AND PRIVACY CONSIDERATIONS SHALL BE INCLUDED AS APPLICABLE.

This section specifies the tests to be performed.

4.1 Test1

STS-4.x.0 :: THIS SECTION SHALL IDENTIFY A TEST BY PROJECT-UNIQUE IDENTIFIER, SHALL PROVIDE A BRIEF DESCRIPTION, AND SHALL BE DIVIDED INTO THE SUBSECTIONS FOR EACH TEST CASE. WHEN THE INFORMATION REQUIRED DUPLICATES INFORMATION PREVIOUSLY SPECIFIED FOR ANOTHER TEST, THAT INFORMATION MAY BE REFERENCED RATHER THAN REPEATED.

Test Test1 is ...TBD....

4.1.1 Case1

STS-4.x.y.0 :: THIS SECTION SHALL IDENTIFY A TEST CASE BY PROJECT-UNIQUE IDENTIFIER, STATE ITS PURPOSE, AND PROVIDE A BRIEF DESCRIPTION OF THE TEST CASE AS IT RELATES TO THE OVERALL TEST. THE FOLLOWING SUBSECTIONS SHALL PROVIDE A DETAILED DESCRIPTION OF THE TEST CASE.

Test Test1 case Case1 is ...TBD....

4.1.1.1 Requirements Addressed

STS-4.x.y.1 :: THIS PARAGRAPH SHALL IDENTIFY THE CONFIGURATION ITEMS OR SYSTEM REQUIREMENTS ADDRESSED BY THE TEST CASE. ALTERNATIVELY, THIS INFORMATION MAY BE PROVIDED IN THE TEST CASE DESCRIPTION AND/OR CHAPTER 5.

This requirements validated by test Test1 case Case1 are listed in § 4.1.1.7.

4.1.1.2 Prerequisite Conditions

STS-4.x.y.2 :: THIS PARAGRAPH SHALL IDENTIFY ANY PREREQUISITE CONDITIONS THAT MUST BE ESTABLISHED PRIOR TO PERFORMING THE TEST CASE. THE FOLLOWING CONSIDERATIONS SHALL BE DISCUSSED, AS APPLICABLE:

- (A) HARDWARE, FIRMWARE, AND/OR SOFTWARE CONFIGURATION,
- (B) FLAGS, INITIAL BREAKPOINTS, POINTERS, CONTROL PARAMETERS, OR INITIAL DATA TO BE SET/RESET PRIOR TO TEST COMMENCEMENT,
- (C) PRESET HARDWARE CONDITIONS OR ELECTRICAL STATES NECESSARY TO RUN THE TEST CASE,
- (D) INITIAL CONDITIONS TO BE USED IN MAKING TIMING MEASUREMENTS,
- (E) CONDITIONING OF THE SIMULATED ENVIRONMENT, AND
- (F) OTHER SPECIAL CONDITIONS PECULIAR TO THE TEST CASE.

This prerequisite conditions for test Test1 case Case1 are ...TBD....

4.1.1.3 Inputs

STS-4.x.y.3 :: THIS PARAGRAPH SHALL DESCRIBE THE TEST INPUTS NECESSARY FOR THE TEST CASE. THE FOLLOWING SHALL BE PROVIDED, AS APPLICABLE:

- (A) NAME, PURPOSE, AND DESCRIPTION (E.G., RANGE OF VALUES, ACCURACY) OF EACH TEST INPUT,
- (B) SOURCE OF THE TEST INPUT AND THE METHOD TO BE USED FOR SELECTING THE TEST INPUT,
- (C) WHETHER THE TEST INPUT IS REAL OR SIMULATED,

- (D) TIME OR EVENT SEQUENCE OF TEST INPUT, AND
- (E) THE MANNER IN WHICH THE INPUT DATA WILL BE CONTROLLED (SEE DID FOR MORE INFORMATION).

This inputs for test Test1 case Case1 are listed in § 4.1.1.7.

4.1.1.4 Expected Outputs

STS-4.x.y.4 :: THIS PARAGRAPH SHALL IDENTIFY ALL EXPECTED TEST RESULTS FOR THE TEST CASE. BOTH INTERMEDIATE AND FINAL TEST RESULTS SHALL BE PROVIDED, AS APPLICABLE.

This expected outputs for test Test1 case Case1 are listed in § 4.1.1.7.

4.1.1.5 Evaluation Criteria

STS-4.x.y.5 :: THIS PARAGRAPH SHALL IDENTIFY THE CRITERIA TO BE USED FOR EVALUATING THE INTERMEDIATE AND FINAL RESULTS OF THE TEST CASE. FOR EACH TEST RESULT, THE FOLLOWING INFORMATION SHALL BE PROVIDED, AS APPLICABLE:

- (A) THE RANGE OR ACCURACY OVER WHICH AN OUTPUT CAN VARY AND STILL BE ACCEPTABLE,
- (B) MINIMUM NUMBER OF COMBINATIONS OR ALTERNATIVES OF INPUT AND OUTPUT CONDITIONS THAT CONSTITUTE AN ACCEPTABLE TEST RESULT,
- (C) MAXIMUM/MINIMUM ALLOWABLE TEST DURATION, IN TERMS OF TIME OR NUMBER OF EVENTS,
- (D) MAXIMUM NUMBER OF INTERRUPTS, HALTS, OR OTHER SYSTEM BREAKS THAT MAY OCCUR,
- (E) ALLOWABLE SEVERITY OF PROCESSING ERRORS,
- (F) CONDITIONS UNDER WHICH THE RESULT IS INCONCLUSIVE AND RE-TESTING IS TO BE PERFORMED,
- (G) CONDITIONS UNDER WHICH THE OUTPUTS ARE TO BE INTERPRETED AS INDICATING IRREGULARITIES IN INPUT TEST DATA, IN THE TEST DATABASE/DATA FILES, OR IN TEST PROCEDURES,
- (H) ALLOWABLE INDICATIONS OF THE CONTROL, STATUS, AND RESULTS OF THE TEST AND THE READINESS FOR THE NEXT TEST CASE (MAY BE OUTPUT OF AUXILIARY TEST SOFTWARE), AND
- (I) ADDITIONAL CRITERIA NOT MENTIONED ABOVE.

This evaluation criteria for test Test1 case Case1 are listed in § 4.1.1.7.

4.1.1.6 Assumptions and Constraints

STS-4.x.y.6 :: THIS PARAGRAPH SHALL IDENTIFY ANY ASSUMPTIONS MADE AND CONSTRAINTS OR LIMITATIONS IMPOSED IN THE DESCRIPTION OF THE TEST CASE DUE TO SYSTEM OR TEST CONDITIONS, SUCH AS LIMITATIONS ON TIMING, INTERFACES, EQUIPMENT, PERSONNEL, AND DATABASE/DATA FILES. IF WAIVERS OR EXCEPTIONS TO SPECIFIED LIMITS AND PARAMETERS ARE APPROVED, THEY SHALL BE IDENTIFIED AND THIS PARAGRAPH SHALL ADDRESS THEIR EFFECTS AND IMPACTS UPON THE TEST CASE.



This procedure for test Test1 case Case1 is ...TBD....












4.1.1.7 Procedure


STS-4.x.y.7 :: THIS PARAGRAPH SHALL DEFINE THE TEST PROCEDURE FOR THE TEST CASE. THE TEST PROCEDURE SHALL BE DEFINED AS A SERIES OF INDIVIDUALLY NUMBERED STEPS LISTED SEQUENTIALLY IN THE ORDER IN WHICH THE STEPS ARE TO BE PERFORMED. FOR CONVENIENCE IN DOCUMENT MAINTENANCE, THE TEST PROCEDURES MAY BE INCLUDED AS AN APPENDIX AND REFERENCED IN THIS PARAGRAPH. THE APPROPRIATE LEVEL OF DETAIL IN EACH TEST PROCEDURE DEPENDS ON THE TYPE OF SYSTEM OR SUBSYSTEM BEING TESTED.


This procedure for test Test1 case Case1 is ...TBD....

See step 4.2.2.7.1 -6 for how to reference specific steps.

Test Procedure 4.1.1.7.1 Test Procedure 1	
Requirements Validated by Test Procedure 4.1.1.7.1	
R-4.1.1.7.1 -1	Fake Rqmt 1
R-4.1.1.7.1 -2	Fake Rqmt 2
Notes About Test Procedure 4.1.1.7.1	
N-4.1.1.7.1 -1	Note 1
N-4.1.1.7.1 -2	Note 2
Steps to be Performed for Test Procedure 4.1.1.7.1	
	START RECORDING OF PRE-TEST INFORMATION
S-4.1.1.7.1 -1	Record Date and Time at Start of Test
Expected Result	Date and Time at Start of Test are recorded.
PASS FAIL	Results :
S-4.1.1.7.1 -2	Record Name of Test Engineer(s) and Agency
Expected Result	Name of Test Engineer(s) and their Agency are recorded.
PASS FAIL	Results :
S-4.1.1.7.1 -3	Record Name of Witness(es) and Agency
Expected Result	Name of Witness(es) and their Agency are recorded.
PASS FAIL	Results :
S-4.1.1.7.1 -4	Record configuration information or name of file that contains such information.
Expected Result	Configuration information or name of file that contains such information is recorded.
PASS FAIL	Results :
	END RECORDING OF PRE-TEST INFORMATION
Test Procedure 4.1.1.7.1 – continues on the next page	

Test Procedure 4.1.1.7.1 – continued from previous page	
	CLOCK TEXT – good to show that some time must elapse
	HAND TEXT – use, with text, when tester needs to pause and double check things
	INFO TEXT – good to provide information needed at this point in the test
	KEY TEXT – good to make a key point, or if something needs to be locked/unlocked
	MAGNIFY TEXT – note info that magnifies what is happening
	PLAYARROW TEXT – denote a starting point, such as when test stations change. This is just more text to see what happens when there are 3 or 4 lines of text w.r.t. centering of icon. These text blocks should be short, but, could be long, so this checks to see what happens with 5 or 6 lines of text.
	BANG TEXT – denote a WARNING
	SHOCK TEXT – denote a HAZARD
	RADIATION TEXT – denote an EXTREME HAZARD
	QUESTION TEXT – ensure a question is answered
	BULLSEYE TEXT – denote the end of a mini-sequence
S-4.1.1.7.1 -5	Do Step 1
Expected Result	Step 1 works!
PASS FAIL	Results :
S-4.1.1.7.1 -6	Do Labeled Step 2
Expected Result	Step 2 works!
PASS FAIL	Results :
Test Procedure 4.1.1.7.1 – continues on the next page	

Test Procedure 4.1.1.7.1 – continued from previous page	
S-4.1.1.7.1 -7	Do stuff so the system looks like the expected image below.
Expected Result	<div><div>Kneadable Nimble Engineering Artifact Design</div><div>Kneadable Nimble Engineering Artifact Design</div></div>
PASS FAIL	Results :
S-4.1.1.7.1 -8	<div><div>Kneadable Nimble Engineering Artifact Design</div><div>Kneadable Nimble Engineering Artifact Design</div></div>
Expected Result	Labeled step 4 works!
PASS FAIL	Results :
	START RECORDING OF POST-TEST INFORMATION
S-4.1.1.7.1 -9	Record Date and Time at End of Test
Expected Result	Date and Time at End of Test are recorded.
PASS FAIL	Results :
S-4.1.1.7.1 -10	Record Signature of Test Engineer(s)
Expected Result	Signature of Test Engineer(s) is recorded.
PASS FAIL	Results :
S-4.1.1.7.1 -11	Record Signature of Witness(es)
Expected Result	Signature of Witness(es) are recorded.
PASS FAIL	Results :
Test Procedure 4.1.1.7.1 – continues on the next page	

Test Procedure 4.1.1.7.1 – continued from previous page	
S-4.1.1.7.1 -12	Record any pertinent comment about the test procedure, results, and/or environment.
Expected Result	Any pertinent comment about the test procedure, results, and/or environment is recorded.
PASS FAIL	Results :
	END RECORDING OF POST-TEST INFORMATION
End of Test Procedure 4.1.1.7.1	

4.1.2 Case2

Test Test1 case Case2 is ...TBD....

4.1.2.1 Requirements Addressed

This requirements validated by test Test1 case Case2 are listed in § 4.1.2.7.

4.1.2.2 Prerequisite Conditions

This prerequisite conditions for test Test1 case Case2 are ...TBD....

4.1.2.3 Inputs

This inputs for test Test1 case Case2 are listed in § 4.1.2.7.

4.1.2.4 Expected Outputs

This expected outputs for test Test1 case Case2 are listed in § 4.1.2.7.

4.1.2.5 Evaluation Criteria

This evaluation criteria for test Test1 case Case2 are listed in § 4.1.2.7.



4.1.2.6 Assumptions and Constraints












This procedure for test Test1 case Case2 is ...TBD....


4.1.2.7 Procedure


This procedure for test Test1 case Case2 is ...TBD....

See step 4.2.2.7.1 -6 for how to reference specific steps.

Test Procedure 4.1.2.7.1	
Test Procedure 1	
Requirements Validated by Test Procedure 4.1.2.7.1	
R-4.1.2.7.1 -1	Fake Rqmt 1
R-4.1.2.7.1 -2	Fake Rqmt 2
Notes About Test Procedure 4.1.2.7.1	
N-4.1.2.7.1 -1	Note 1
N-4.1.2.7.1 -2	Note 2
Steps to be Performed for Test Procedure 4.1.2.7.1	
	START RECORDING OF PRE-TEST INFORMATION
S-4.1.2.7.1 -1	Record Date and Time at Start of Test
Expected Result	Date and Time at Start of Test are recorded.
PASS FAIL	Results :
S-4.1.2.7.1 -2	Record Name of Test Engineer(s) and Agency
Expected Result	Name of Test Engineer(s) and their Agency are recorded.
PASS FAIL	Results :
S-4.1.2.7.1 -3	Record Name of Witness(es) and Agency
Expected Result	Name of Witness(es) and their Agency are recorded.
PASS FAIL	Results :
S-4.1.2.7.1 -4	Record configuration information or name of file that contains such information.
Expected Result	Configuration information or name of file that contains such information is recorded.
PASS FAIL	Results :
	END RECORDING OF PRE-TEST INFORMATION
Test Procedure 4.1.2.7.1 – continues on the next page	

Test Procedure 4.1.2.7.1 – continued from previous page	
	CLOCK TEXT – good to show that some time must elapse
	HAND TEXT – use, with text, when tester needs to pause and double check things
	INFO TEXT – good to provide information needed at this point in the test
	KEY TEXT – good to make a key point, or if something needs to be locked/unlocked
	MAGNIFY TEXT – note info that magnifies what is happening
	PLAYARROW TEXT – denote a starting point, such as when test stations change. This is just more text to see what happens when there are 3 or 4 lines of text w.r.t. centering of icon. These text blocks should be short, but, could be long, so this checks to see what happens with 5 or 6 lines of text.
	BANG TEXT – denote a WARNING
	SHOCK TEXT – denote a HAZARD
	RADIATION TEXT – denote an EXTREME HAZARD
	QUESTION TEXT – ensure a question is answered
	BULLSEYE TEXT – denote the end of a mini-sequence
S-4.1.2.7.1 -5	Do Step 1
Expected Result	Step 1 works!
PASS FAIL	Results :
S-4.1.2.7.1 -6	Do Labeled Step 2
Expected Result	Step 2 works!
PASS FAIL	Results :
Test Procedure 4.1.2.7.1 – continues on the next page	

Test Procedure 4.1.2.7.1 – continued from previous page	
S-4.1.2.7.1 -7	Do stuff so the system looks like the expected image below.
Expected Result	<div> <div>Kneadable Nimble Engineering Artifact Design</div> <div>Kneadable Nimble Engineering Artifact Design</div> </div>
PASS FAIL	Results :
S-4.1.2.7.1 -8	<div> <div>Kneadable Nimble Engineering Artifact Design</div> <div>Kneadable Nimble Engineering Artifact Design</div> </div>
Expected Result	Labeled step 4 works!
PASS FAIL	Results :
	START RECORDING OF POST-TEST INFORMATION
S-4.1.2.7.1 -9	Record Date and Time at End of Test
Expected Result	Date and Time at End of Test are recorded.
PASS FAIL	Results :
S-4.1.2.7.1 -10	Record Signature of Test Engineer(s)
Expected Result	Signature of Test Engineer(s) is recorded.
PASS FAIL	Results :
S-4.1.2.7.1 -11	Record Signature of Witness(es)
Expected Result	Signature of Witness(es) are recorded.
PASS FAIL	Results :
Test Procedure 4.1.2.7.1 – continues on the next page	

Test Procedure 4.1.2.7.1 – continued from previous page	
S-4.1.2.7.1 -12	Record any pertinent comment about the test procedure, results, and/or environment.
Expected Result	Any pertinent comment about the test procedure, results, and/or environment is recorded.
PASS FAIL	Results :
	END RECORDING OF POST-TEST INFORMATION
End of Test Procedure 4.1.2.7.1	

4.2 Test2

Test Test2 is ...TBD....

4.2.1 Case1

Test Test2 case Case1 is ...TBD....

4.2.1.1 Requirements Addressed

This requirements validated by test Test2 case Case1 are listed in § 4.2.1.7.

4.2.1.2 Prerequisite Conditions

This prerequisite conditions for test Test2 case Case1 are ...TBD....

4.2.1.3 Inputs

This inputs for test Test2 case Case1 are listed in § 4.2.1.7.

4.2.1.4 Expected Outputs

This expected outputs for test Test2 case Case1 are listed in § 4.2.1.7.

4.2.1.5 Evaluation Criteria

This evaluation criteria for test Test2 case Case1 are listed in § 4.2.1.7.



4.2.1.6 Assumptions and Constraints












This procedure for test Test2 case Case1 is ...TBD....


4.2.1.7 Procedure


This procedure for test Test2 case Case1 is ...TBD....

See step 4.2.2.7.1 -6 for how to reference specific steps.

Test Procedure 4.2.1.7.1	
Test Procedure 1	
Requirements Validated by Test Procedure 4.2.1.7.1	
R-4.2.1.7.1 -1	Fake Rqmt 1
R-4.2.1.7.1 -2	Fake Rqmt 2
Notes About Test Procedure 4.2.1.7.1	
N-4.2.1.7.1 -1	Note 1
N-4.2.1.7.1 -2	Note 2
Steps to be Performed for Test Procedure 4.2.1.7.1	
	START RECORDING OF PRE-TEST INFORMATION
S-4.2.1.7.1 -1	Record Date and Time at Start of Test
Expected Result	Date and Time at Start of Test are recorded.
PASS FAIL	Results :
S-4.2.1.7.1 -2	Record Name of Test Engineer(s) and Agency
Expected Result	Name of Test Engineer(s) and their Agency are recorded.
PASS FAIL	Results :
S-4.2.1.7.1 -3	Record Name of Witness(es) and Agency
Expected Result	Name of Witness(es) and their Agency are recorded.
PASS FAIL	Results :
S-4.2.1.7.1 -4	Record configuration information or name of file that contains such information.
Expected Result	Configuration information or name of file that contains such information is recorded.
PASS FAIL	Results :
	END RECORDING OF PRE-TEST INFORMATION
Test Procedure 4.2.1.7.1 – continues on the next page	

Test Procedure 4.2.1.7.1 – continued from previous page	
	CLOCK TEXT – good to show that some time must elapse
	HAND TEXT – use, with text, when tester needs to pause and double check things
	INFO TEXT – good to provide information needed at this point in the test
	KEY TEXT – good to make a key point, or if something needs to be locked/unlocked
	MAGNIFY TEXT – note info that magnifies what is happening
	PLAYARROW TEXT – denote a starting point, such as when test stations change. This is just more text to see what happens when there are 3 or 4 lines of text w.r.t. centering of icon. These text blocks should be short, but, could be long, so this checks to see what happens with 5 or 6 lines of text.
	BANG TEXT – denote a WARNING
	SHOCK TEXT – denote a HAZARD
	RADIATION TEXT – denote an EXTREME HAZARD
	QUESTION TEXT – ensure a question is answered
	BULLSEYE TEXT – denote the end of a mini-sequence
S-4.2.1.7.1 -5	Do Step 1
Expected Result	Step 1 works!
PASS FAIL	Results :
S-4.2.1.7.1 -6	Do Labeled Step 2
Expected Result	Step 2 works!
PASS FAIL	Results :
Test Procedure 4.2.1.7.1 – continues on the next page	

Test Procedure 4.2.1.7.1 – continued from previous page	
S-4.2.1.7.1 -7	Do stuff so the system looks like the expected image below.
Expected Result	<div> <div> Kneadable Nimble Engineering Artifact Design </div> <div> Kneadable Nimble Engineering Artifact Design </div> </div>
PASS FAIL	Results :
S-4.2.1.7.1 -8	<div> <div> Kneadable Nimble Engineering Artifact Design </div> <div> Kneadable Nimble Engineering Artifact Design </div> </div>
Expected Result	Labeled step 4 works!
PASS FAIL	Results :
	START RECORDING OF POST-TEST INFORMATION
S-4.2.1.7.1 -9	Record Date and Time at End of Test
Expected Result	Date and Time at End of Test are recorded.
PASS FAIL	Results :
S-4.2.1.7.1 -10	Record Signature of Test Engineer(s)
Expected Result	Signature of Test Engineer(s) is recorded.
PASS FAIL	Results :
S-4.2.1.7.1 -11	Record Signature of Witness(es)
Expected Result	Signature of Witness(es) are recorded.
PASS FAIL	Results :
Test Procedure 4.2.1.7.1 – continues on the next page	

Test Procedure 4.2.1.7.1 – continued from previous page	
S-4.2.1.7.1 -12	Record any pertinent comment about the test procedure, results, and/or environment.
Expected Result	Any pertinent comment about the test procedure, results, and/or environment is recorded.
PASS FAIL	Results :
	END RECORDING OF POST-TEST INFORMATION
End of Test Procedure 4.2.1.7.1	

4.2.2 Case2

Test Test2 case Case2 is ...TBD....

4.2.2.1 Requirements Addressed

This requirements validated by test Test2 case Case2 are listed in § 4.2.2.7.

4.2.2.2 Prerequisite Conditions

This prerequisite conditions for test Test2 case Case2 are ...TBD....

4.2.2.3 Inputs

This inputs for test Test2 case Case2 are listed in § 4.2.2.7.

4.2.2.4 Expected Outputs

This expected outputs for test Test2 case Case2 are listed in § 4.2.2.7.

4.2.2.5 Evaluation Criteria

This evaluation criteria for test Test2 case Case2 are listed in § 4.2.2.7.



4.2.2.6 Assumptions and Constraints












This procedure for test Test2 case Case2 is ...TBD....


4.2.2.7 Procedure


This procedure for test Test2 case Case2 is ...TBD....

See step 4.2.2.7.1 -6 for how to reference specific steps.

Test Procedure 4.2.2.7.1 Test Procedure 1	
Requirements Validated by Test Procedure 4.2.2.7.1	
R-4.2.2.7.1 -1	Fake Rqmt 1
R-4.2.2.7.1 -2	Fake Rqmt 2
Notes About Test Procedure 4.2.2.7.1	
N-4.2.2.7.1 -1	Note 1
N-4.2.2.7.1 -2	Note 2
Steps to be Performed for Test Procedure 4.2.2.7.1	
	START RECORDING OF PRE-TEST INFORMATION
S-4.2.2.7.1 -1	Record Date and Time at Start of Test
Expected Result	Date and Time at Start of Test are recorded.
PASS FAIL	Results :
S-4.2.2.7.1 -2	Record Name of Test Engineer(s) and Agency
Expected Result	Name of Test Engineer(s) and their Agency are recorded.
PASS FAIL	Results :
S-4.2.2.7.1 -3	Record Name of Witness(es) and Agency
Expected Result	Name of Witness(es) and their Agency are recorded.
PASS FAIL	Results :
S-4.2.2.7.1 -4	Record configuration information or name of file that contains such information.
Expected Result	Configuration information or name of file that contains such information is recorded.
PASS FAIL	Results :
	END RECORDING OF PRE-TEST INFORMATION
Test Procedure 4.2.2.7.1 – continues on the next page	

Test Procedure 4.2.2.7.1 – continued from previous page	
	CLOCK TEXT – good to show that some time must elapse
	HAND TEXT – use, with text, when tester needs to pause and double check things
	INFO TEXT – good to provide information needed at this point in the test
	KEY TEXT – good to make a key point, or if something needs to be locked/unlocked
	MAGNIFY TEXT – note info that magnifies what is happening
	PLAYARROW TEXT – denote a starting point, such as when test stations change. This is just more text to see what happens when there are 3 or 4 lines of text w.r.t. centering of icon. These text blocks should be short, but, could be long, so this checks to see what happens with 5 or 6 lines of text.
	BANG TEXT – denote a WARNING
	SHOCK TEXT – denote a HAZARD
	RADIATION TEXT – denote an EXTREME HAZARD
	QUESTION TEXT – ensure a question is answered
	BULLSEYE TEXT – denote the end of a mini-sequence
S-4.2.2.7.1 -5	Do Step 1
Expected Result	Step 1 works!
PASS FAIL	Results :
S-4.2.2.7.1 -6	Do Labeled Step 2
Expected Result	Step 2 works!
PASS FAIL	Results :
Test Procedure 4.2.2.7.1 – continues on the next page	

Test Procedure 4.2.2.7.1 – continued from previous page	
S-4.2.2.7.1 -7	Do stuff so the system looks like the expected image below.
Expected Result	<div> <div>Kneadable Nimble Engineering Artifact Design</div> <div>Kneadable Nimble Engineering Artifact Design</div> </div>
PASS FAIL	Results :
S-4.2.2.7.1 -8	<div> <div>Kneadable Nimble Engineering Artifact Design</div> <div>Kneadable Nimble Engineering Artifact Design</div> </div>
Expected Result	Labeled step 4 works!
PASS FAIL	Results :
	START RECORDING OF POST-TEST INFORMATION
S-4.2.2.7.1 -9	Record Date and Time at End of Test
Expected Result	Date and Time at End of Test are recorded.
PASS FAIL	Results :
S-4.2.2.7.1 -10	Record Signature of Test Engineer(s)
Expected Result	Signature of Test Engineer(s) is recorded.
PASS FAIL	Results :
S-4.2.2.7.1 -11	Record Signature of Witness(es)
Expected Result	Signature of Witness(es) are recorded.
PASS FAIL	Results :
Test Procedure 4.2.2.7.1 – continues on the next page	

Test Procedure 4.2.2.7.1 – continued from previous page	
S-4.2.2.7.1 -12	Record any pertinent comment about the test procedure, results, and/or environment.
Expected Result	Any pertinent comment about the test procedure, results, and/or environment is recorded.
PASS FAIL	Results :
	END RECORDING OF POST-TEST INFORMATION
End of Test Procedure 4.2.2.7.1	

CHAPTER 5

Traceability

ALL-TRACEABILITY :: THIS SECTION SHALL TRACEABILITY BETWEEN THE DEFINING REQUIREMENTS AND THE TESTS PLANNED TO PERFORM THE VALIDATION OF THE REQUIREMENTS. THIS ARTIFACT MAPS:

- (A) EACH TEST IDENTIFIED IN THIS ARTIFACT TO THE UNDERLYING REQUIREMENTS AND, IF APPLICABLE, SYSTEM REQUIREMENTS IT ADDRESSES. (ALTERNATIVELY, THIS TRACEABILITY MAY BE PROVIDED ELSEWHERE IN THIS ARTIFACT AND REFERENCED FROM THIS PARAGRAPH.), OR
- (B) FROM EACH CAPABILITY REQUIREMENT AND, IF APPLICABLE, EACH SUB-SYSTEM REQUIREMENT COVERED BY THIS ARTIFACT TO THE ARTIFACT(S) THAT ADDRESS IT. THE TRACEABILITY SHALL COVER THE REQUIREMENTS IN ALL-APPLICABLE ARTIFACTS OR, IF APPLICABLE, THE SYSTEM DESIGN REQUIREMENTS IN THE SSS.

This section provides traceability of the system components and interfaces to the design requirements. In general, the requirements are included in the individual tests, but they can be summarized here via automatic tools that read the test procedure files and generate this summary.

CHAPTER 6

Notes

ALL-NOTES :: THIS SECTION SHALL CONTAIN ANY GENERAL INFORMATION THAT AIDS IN UNDERSTANDING THIS ARTIFACT (E.G., BACKGROUND INFORMATION, RATIONALE, ETC.)

This chapter is ...TBD....

6.1 Note Area 1

ALL-NOTES :: THIS SECTION SHALL CONTAIN ANY GENERAL INFORMATION THAT AIDS IN UNDERSTANDING THIS ARTIFACT (E.G., BACKGROUND INFORMATION, RATIONALE, ETC.)

This section is ...TBD....

6.2 Note Area 2

ALL-NOTES :: THIS SECTION SHALL CONTAIN ANY GENERAL INFORMATION THAT AIDS IN UNDERSTANDING THIS ARTIFACT (E.G., BACKGROUND INFORMATION, RATIONALE, ETC.)

This section is ...TBD....

APPENDIX

Additional Information

ALL-APPENDIX :: THIS SECTION SHALL CONTAIN ANY GENERAL INFORMATION THAT AIDS IN UNDERSTANDING THIS ARTIFACT (E.G., BACKGROUND INFORMATION, RATIONALE, ETC.)

This section provides additional information, as necessary, to augment the STS.

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