



## System Development and Life-Cycle Management (SDLCM) Methodology

<b>Subject</b> Current System Assessment Document	<b>Type</b>	Standard
	<b>Identifier</b>	S-3052
	<b>Effective Date</b>	May 2002
	<b>Revision No.</b>	1

Approval

CISSCO Program Director

### A. PURPOSE

This standard specifies content and format requirements for the Current System Assessment Document.

### B. APPLICABILITY

This standard applies to all projects that fall under the SDLCM Methodology umbrella. It is used by those persons who assess the current automated application systems as part of the Project Definition and Analysis activity within Component 1 of the SDLCM Methodology.

### C. REFERENCE PUBLICATIONS

The following publications contain related information:

- *SDLCM Methodology Handbook*
- *SDLCM Methodology Standard, S-3051, System Requirements Specification*
- *SDLCM Methodology Standard, S-1052, Project Management Plan*
- *SDLCM Methodology Standard, S-3053, System Operations Concept*
- NRC Management Directive 2.2, Capital Planning and Investment Control

### D. STANDARD

Use the Current System Assessment Document to document the results of the assessment of the current automated application system(s), if any exist, that would support in an automated way the business area processes and/or requirements of this Project. If a current automated system does not exist, complete only Sections 1 and 4. In Section 4 use the first two columns defined in the Systems Requirements Specification and assign a priority to each requirement. This priority shall be viewed as a prioritization that defines the minimum acceptable level of satisfaction of requirements that will be used as a basis for user acceptance testing with C- Critical; M - Would improve the process and/or provide ease of use for the user, but is not Critical; and N - Nice to Have. The following paragraphs describe the content of each section.

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## 1. INTRODUCTION

### 1.1 Background

Briefly describe why this assessment is being performed.

### 1.2 Objectives

Describe how the results of this assessment will contribute to a better understanding of the system requirements to be developed as part of the Systems Requirements Specification (S-xxxx) and System Operations Concept (S-xxxx).

### 1.3 Scope

Describe what this system covers in terms of process/subprocesses of the business and what it does not cover.

### 1.4 Assumptions

Discuss what we have assumed because something we need to know has not been explicitly stated as a requirement or background. Note: Skill levels and knowledge possessed by operations and users should be defined here.

### 1.5 Applicable Documents

List any other documents that apply.

### 1.6 Overview

Provide a brief overview of the sections that follow.

## 2. ASSESSMENT APPROACH

Describe the approach that was used to produce the assessment. For example, describe the steps that were taken as part of the assessment, such as:

- Determine the sources of information available and obtain whatever is available
- Organize and conduct interviews and focus sessions to obtain other necessary information
- Establish a template for documenting the acquired information
- Review the results from the NRC enterprise modeling effort

Describe the sources of information provided in the assessment, such as:

- User guides and documentation
- Focus sessions
- One-on-one interviews

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- Surveys

Describe the tools and techniques used during the assessment, such as,

- Focus sessions
- Structured interviews

### **3. CURRENT ENVIRONMENT**

#### **3.1 Organizations Supporting the Environment**

Describe the organizations that support the current business and application system environment and their roles.

#### **3.2 Inventory of Current Systems**

Where present, list the current application systems in the environment being assessed, including such information as:

- System name
- System acronym
- System number
- Status (operational or under development)
- System purpose

#### **3.3 Descriptions of Current Systems**

##### **3.3.1 INFORMATION SYSTEMS INTERFACE DIAGRAM**

Provide a system level interface diagram showing the interfaces among existing automated and manual processes/systems or subsystems. Provide a legend to explain any symbols used in the diagram.

##### **3.3.2 INFORMATION SYSTEMS OVERVIEW**

For each application system listed in Section 3.2, provide information resulting from the assessment, such as:

- System Name
- Platform
- System software
- Databases
- Programs
- Files
- Telecommunications capabilities

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- Communications Protocols
- System functions

For each manual or automated systems provide information resulting from the assessment, such as:

- Records/Types of Records
- Internal interfaces (process to process within Business Functional Area)
- External interfaces (interaction/sharing of data with other business functions or systems)
- Data usage
- Data access

Where possible, obtain this system information from the Systems Inventory to avoid conflict, confusion, or duplication.

For each system described, describe the strengths or weakness of keeping that process/system or subsystem as part of the new system being envisioned in the System Operations Concept and being specified in the Systems Requirements Specification.

#### 4. ASSESSMENT RESULTS AND RECOMMENDATIONS

While keeping the functional and data and other types of requirements in mind, summarize your assessment of the current system to determine what (if any) changes (additions, deletions, replacements) are required to fulfill the requirements defined in the Systems Requirements Specification. This is illustrated in Table 1.

**Table 1. An Assessment of the Existing and Desired Functionality or Attributes of System X**

Priority (C/M/N)	SRS Requirement Number/Definition	Rating of Satisfaction (F/P/X)	Comment
C	n	F	
M	n+1	P	
N	n+2	X	

**Key:** Column 1 = C - Critical  
M - Would improve the process and/or provide ease of use for the user, but is not Critical  
N - Nice to Have

Column 3 = F - Fully satisfies  
P - Partially satisfies  
X - Does not satisfy

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## ACRONYMS

List and define all acronyms used in the project Definition.

## APPENDIXES

List and describe appendixes to this document.