



System Development and Life-Cycle Management (SDLCM) Methodology

Subject Other Integration Issues Plan	Type	Standard
	Identifier	S-5055
	Effective Date	February 2002
	Revision No.	2

Approval

CISSCO Program Director

A. PURPOSE

This standard specifies the content and format requirements for an Other Integration Issues Plan.

B. APPLICABILITY

This standard applies to all NRC Project/Tasks, subject to the SDLCM Methodology, that plan to develop and deploy a new, upgraded, or migrated data processing system or software application.

This standard is used by those persons who create, review, and approve the Other Integration Issues Plan.

C. REFERENCE PUBLICATIONS

The following publications contain related information:

- *SDLCM Methodology Handbook, Component 3*
- SDLCM Methodology Standard S-1052, Project Management Plan
- SDLCM Methodology Standard S-1057, Software Development Plan
- SDLCM Methodology Standard S-5051, Tactical Integration Plan
- SDLCM Methodology Standard S-5151, Test Plan
- *NRC Model Tactical Integration Plan, January 3, 1997*

D. STANDARD

The Other Integration Issues Plan provides a detailed description of the activities involved in accomplishing any integration issues not covered by other plans. It defines responsibilities, schedules, risks, and risk mitigation approaches.

Tailor this standard as needed to be consistent with the size, scope, and complexity of the installation and integration effort. Add sections and subsections for special topics. Sections and subsections that are not applicable should *not* be deleted; they should indicate “not applicable.”

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The content of the Other Integration Issues Plan may be included in the Tactical Integration Plan (TIP) after careful and deliberate consideration of integration issues not covered by any other integration plan.

The following paragraphs describe the content of each section of the Other Integration Issues Plan.

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1. INTRODUCTION

1.1 Objectives

Describe the end or ends that the Project/Task intends to achieve by deliberately considering integration issues that may not have been covered in any other integration plan.

1.2 Scope

Describe the scope of this plan. Identify the activities that mark the beginning and end of the integration process. Also identify any activities related to the integration process that are not covered by this plan.

1.3 Assumptions

Identify any assumptions related to the integration activities that arise from the integration issues being considered. Include any identified open issues if the integration activities are to continue while issues remain unresolved. Include the degree of criticality in the description of each assumption.

1.4 Applicable Documents

List the documents that support this plan or that provide additional information about the various activities included under this plan.

2. APPROACH

Describe the overall approach that will be followed to integrate the hardware and software CIs of the solution system.

2.1 Identification of Integration Issues

Identify integration issues that will be addressed by this plan. These issues may not be covered in other Project/Task integration plans. The following are examples of possible issues:

- Boundaries between the solution system and end-user manual procedures
- Interfaces with systems external to the NRC
- Public access to data manipulated by the solution system but owned by another interfacing system

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2.2 Integration Activities

For each identified integration issue, specify the integration process that will be followed. If more than one integration issue is identified, use a numbered paragraph for each:

2.2.1 INTEGRATION ISSUE 1

Briefly describe the integration issue and its context.

2.2.1.1 Integration Requirements—Issue 1

Identify the systems or procedures that must be integrated. Specify the criteria that must be met to verify that the integration has been successful. Indicate when each system, module or subprocess is planned to be ready for integration. This information may be provided in tabular form.

State any special conditions that exist and how they might affect this plan or its implementation.

2.2.1.2 Integration Activities

Describe the various stages of activity and the strategy for accomplishing the integration. Clearly identify the date and activity that marks the end of the integration effort.

2.2.1.3 Integration Milestones

Provide the milestone schedule for the integration period. Indicate dependencies.

Refer to Section 1.4, Schedule for Development of Deployment Plan Components, of the Project/Task TIP as appropriate. If the integration effort is a small or uncomplicated one, include all integration milestones in Section 1.4 of the TIP.

2.2.1.4 Integration Roles and Responsibilities

Provide a table indicating the activities required for integration and the Project/Task personnel (NRC and contractor) having responsibility for their completion.

Specify by role name (or sub-role name in the case of Development Team members), not by the name of an actual person, the person(s) responsible for each activity. The *SDLCM Methodology Handbook* contains role names, descriptions, and responsibilities as they apply to the methodology.

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Refer to Section 1.3, Roles and Responsibilities, of the Project/Task TIP as applicable. If the effort is a small or uncomplicated one, include all integration related activities and the associated roles and responsibilities in Section 1.3 of the TIP.

2.2.1.5 Problem Identification and Resolution

Identify the problem reporting and tracking procedures that will be followed. Identify who is responsible for reporting problems and for implementing approved fixes or changes during the integration process. Refer to the Project/Task problem resolution procedures, as applicable.

2.2.1.6 Risks and Risk Mitigation

Enumerate the risks associated with integration. Analyze the potential effect of any identified risks and describe any proposed risk mitigation strategies. Analyses should consider critical Project/Task objectives that may be jeopardized.

Refer to Section 2.3, Risk Management, of the Project Management Plan, and to the Software Development Plan, as applicable.

2.2.1.7 Integration Testing

Identify any testing that is required to verify that the integration process is successful. If appropriate, include the required testing in the Project/Task Test Plan.

2.2.*n* INTEGRATION ISSUE *n*

Provide the same information for each additional integration issue identified.