

**System and Software Design Description (SSDD)
for
Continuous Model Evaluation Framework
(CMEF)
version 1.0**

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Chapter 1. Introduction	1
1. Identification	1
2. Document Purpose, Scope, and Intended Audience	1
3. System and Software Purpose, Scope, and Intended Users	1
4. Definitions, Acronyms, and Abbreviations	1
5. Document References	1
6. Document Overview	1
7. Document Restrictions	1
Chapter 2. Constraints and Stakeholder Concerns	3
1. Constraints	3
2. Stakeholder Concerns	3
Chapter 3. System and Software Architecture	5
1. Developer's Architectural View	5
2. User's Architectural View	5
3. Developer's View Identification	5
4. [insert name of viewpoint] Architectural View	5
5. Consistency of Architectural Views	5
Chapter 4. Software Detailed Design	7
1. Developer's Viewpoint Detailed Software Design	7
2. Component/Entity Dictionary	7
3. Component/Entity Detailed Design	7
4. Data Dictionary	8
Chapter 5. Requirements Traceability	9
Contents	

CHAPTER 1

Introduction

1. Identification

2. Document Purpose, Scope, and Intended Audience

2.1. Document Purpose.

2.2. Document Scope and/or Context.

2.3. Intended Audience for Document.

3. System and Software Purpose, Scope, and Intended Users

3.1. System and Software Purpose.

3.2. System and Software Scope and/or Context.

3.3. Intended Users for the System and Software.

4. Definitions, Acronyms, and Abbreviations

5. Document References

6. Document Overview

7. Document Restrictions

CHAPTER 2

Constraints and Stakeholder Concerns

1. Constraints

1.1. Environmental Constraints.

1.2. System Requirement Constraints.

1.3. User Characteristic Constraints.

2. Stakeholder Concerns

CHAPTER 3

System and Software Architecture

1. Developer's Architectural View

2. User's Architectural View

2.1. User's View Identification.

2.2. User's View Representation and Description.

3. Developer's View Identification

3.1. Developer's View Representation and Description.

3.2. Developer's Architectural Rationale.

4. [insert name of viewpoint] Architectural View

4.1. [insert name of viewpoint]'s View Identification.

4.2. [insert name of viewpoint]'s View Representation and Description.

5. Consistency of Architectural Views

5.1. Detail of INconsistencies between Architectural Views.

5.2. Consistency Analysis and Inconsistency Mitigations.

CHAPTER 4

Software Detailed Design

1. Developer's Viewpoint Detailed Software Design

2. Component/Entity Dictionary

3. Component/Entity Detailed Design

3.1. Detailed Design for Component/Entity: [component/entity name].

3.1.1. *Introduction/Purpose of this Component/Entity.*

3.1.2. *Input for this Component/Entity.*

3.1.3. *Output for this Component/Entity.*

3.1.4. *Component/Entity Process to Convert Input to Output.*

3.1.5. *Design Constraints and Performance Requirements of this Component/Entity.*

3.2. Detailed Design for Component/Entity: [component/entity name].

3.2.1. *Introduction/Purpose of this Component/Entity.*

3.2.2. *Input for this Component/Entity.*

3.2.3. *Output for this Component/Entity.*

3.2.4. *Component/Entity Process to Convert Input to Output.*

3.2.5. *Design Constraints and Performance Requirements of this Component/Entity.*

3.3. Detailed Design for Component/Entity: [component/entity name].

3.3.1. *Introduction/Purpose of this Component/Entity.*

3.3.2. *Input for this Component/Entity.*

3.3.3. *Output for this Component/Entity.*

3.3.4. *Component/Entity Process to Convert Input to Output.*

3.3.5. *Design Constraints and Performance Requirements of this Component/Entity.*

3.4. Detailed Design for Component/Entity: [component/entity name].

3.4.1. *Introduction/Purpose of this Component/Entity.*

3.4.2. *Input for this Component/Entity.*

3.4.3. *Output for this Component/Entity.*

3.4.4. *Component/Entity Process to Convert Input to Output.*

3.4.5. *Design Constraints and Performance Requirements of this Component/Entity.*

4. Data Dictionary

CHAPTER 5

Requirements Traceability

