Document title		Document type
XXX		**SysDD**
Date		Version
2022-01-17		**X.Y.Z**
Author		Status
Doument author		**RELEASE**
Contact		Page
xx@yy.xx		**1 (6)**

XXX
System Design Description

Abstract

This is the template for System Design Description (SysDD document) according to the Eclipse Arrowehad documentation structure.

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Contents

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1 Overview

This document describes the [XX] system, which provides [brief description of the implementation of the [XX] SysD. functionality]. Prefereable make use of SysML/UML use case diagram. In Section 2, we descibe implementation details of the system

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ARROWHEAD

2   Implementation

2.1   Implementation language and tools

- Used coding language and version

- Used tools, IDE, compiler, linker etc.

- Used libraries

2.2   Functional properties implementation

- Resources necessary to perform the function operations

- Data handled by the system

    – Used database
    – Database structure
    – Used ontology
    – Data models

- Result provided as ...

2.3   Non functional properties implementation

Typical non-functional properties implemented are e.g.

- Security

- Power management

- Internal monitoring

- ...

    Forr each of the non-functional operations the following details should be documented

- Resources necessary to perform the non-functional operations

- Data handled by the system

    – Used database
    – Database structure
    – Used ontology
    – Data models

- Result provided as ...

2.4   Statefull - stateless

- Statefull implementation

    – State data to be keept
    – Used database
    – Database structure
    – Used ontology
    – Data models

- Stateless implementation

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3 Services

Reference to the appropriate SysD, SD and IDD documents plus a reference to used library shall be made.

Table 1: References to doumentation for services produced and consumed.

Services produced	SysD ref	SD ref	IDD ref	Library ref
aaa	SysD XXX	SD aaa	IDD aaa	Kalix
bbb	SysD XXX	SD bbb	IDD bbb	Kalix
Services consumed	SysD ref	SD ref	IDD ref	Library ref
zzz	SysD ZZZ	SD zzz	IDD zzz	Kalix
yyy	SysD YYY	SD yyy	IDD yyy	Kalix

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4 Revision History

4.1 Amendments

Revision history and Quality assurance as per examples below

No.	Date	Version	Subject of Amendments	Author
1	2020-12-05	X.Y.Z		Tanyi Szvetlin
2	2021-07-14	X.Y.Z	Minor updatees	Jerker Delsing
3	2022-01-12	X.Y.Z	Minor updatees	Jerker Delsing

4.2 Quality Assurance

No.	Date	Version	Approved by
1	2022-01-10	X.Y.Z	