



Safe and Explainable
Critical Embedded Systems based on AI

PhOT0002 AI Document List

Version 1.0

Documentation Information

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1 Review / Modification History

Version	Date	Description Change
V1.0	04/12/2023	First version after complete internal review
V0.1	15/11/2023	First draft

*Note: The files' names created from templates are written in italics and underlined. Finally, it is worth mentioning that all the templates' names are preceded by "REF_", which should be changed to reflect the specific safety project reference. The paragraphs/name of the project/Rev./Ref./history table in **blue** must be replaced with the information for the specific project. The paragraphs written in **red** are instructions that can be used as a guide, so they must be deleted.*

2 Objective

Collect the required information to identify, control and monitor each document throughout the Artificial Intelligence - Functional Safety Management (AI-FSM).

3 Scope

This document focuses on collecting the entire set of documents used within the AI-FSM.

4 DL Document List

Table 1 lists all the documents relative to the AI-FSM annex procedure, their last version, and the status of each one generated during the development process:

Table 1. Document list table collecting all the documents related to AI-FSM

Life Cycle phase	Document_Name	Version	Status
Ph0 Overall Lifecycle	<u>REF Ph0D0001 AI-FSM Procedure</u>		None
	<u>REF Ph0D0002 AI-FSM Procedure IR</u>		None
	<u>REF Ph0D0003 AI Document List</u>		None
	<u>REF Ph0D0004 AI Document List IR</u>		None
	<u>REF Ph0D0005 AI Version Tracking</u>		None
	<u>REF Ph0D0006 AI Version Tracking IR</u>		None
	<u>REF Ph0D0007 AI Organizational Chart</u>		None
	<u>REF Ph0D0008 AI Organizational Chart IR</u>		None
	<u>REF Ph0D0009 AI Log of Tests</u>		None
	<u>REF Ph0D0010 AI Log of Tests IR</u>		None
	<u>REF Ph0D0011 AI Tools Selection</u>		None
	<u>REF Ph0D0012 AI Tools Selection IR</u>		None
	<u>REF Ph0D0013 AI Traceability Matrix</u>		None
	<u>REF Ph0D0014 AI Traceability Matrix IR</u>		None
Ph1 System Concept Specification	<u>REF Ph1D0001 DL Operational Design Domain</u>		None
	<u>REF Ph1D0002 DL Operational Design Domain IR</u>		None
	<u>REF Ph1D0003 DL Operational Scenarios</u>		None
	<u>REF Ph1D0004 DL Operational Scenarios IR</u>		None
Ph2 System Architecture Specifications	<u>REF Ph2D0001 DL Requirements Specifications</u>		None
	<u>REF Ph2D0002 DL Requirements Specifications IR</u>		None
	<u>REF PhDMD0003 DL Requirements Verification Tests</u>		None
	<u>REF PhDMD0004 DL Requirements Verification Tests IR</u>		None
PhDM Data Management	<u>REF PhDMD0001 Data Requirements Specifications</u>		None
	<u>REF PhDMD0002 Data Requirements Specifications IR</u>		None
	<u>REF PhDMD0003 Data Collection Log</u>		None
	<u>REF PhDMD0004 Data Collection Log IR</u>		None
	<u>REF PhDMD0005 Data Preparation Log</u>		None
	<u>REF PhDMD0006 Data Preparation Log IR</u>		None
	<u>REF PhDMD0007 Data Requirements Verification Tests</u>		None
	<u>REF PhDMD0008 Data Requirements Verification Tests IR</u>		None
	<u>REF PhLMD0001 Learning Requirements Specifications</u>		None
	<u>REF PhLMD0002 Learning Requirements Specifications IR</u>		None

PhLM Learning Management	<u>REF PhLMD0003 Model Election Log</u>		None
	<u>REF PhLMD0004 Model Election Log IR</u>		None
	<u>REF PhLMD0005 Learning Requirements Evaluation Tests</u>		None
	<u>REF PhLMD0006 Learning Requirements Evaluation Tests IR</u>		None
	<u>REF PhLMD0007 Learning Requirements Verification Tests</u>		None
	<u>REF PhLMD0008 Learning Requirements Verification Tests IR</u>		None
PhIM Inference Management	<u>REF PhIMD0001 Inference Requirements Specifications</u>		None
	<u>REF PhIMD0002 Inference Requirements Specifications IR</u>		None
	<u>REF PhIMD0003 Model Conversion Log</u>		None
	<u>REF PhIMD0004 Model Conversion Log IR</u>		None
	<u>REF PhIMD0005 Model Optimization Log</u>		None
	<u>REF PhIMD0006 Model Optimization Log IR</u>		None
	<u>REF PhIMD0007 Inference Requirements Verification Tests</u>		None
	<u>REF PhIMD0008 Inference Requirements Verification Tests IR</u>		None

A brief description of each field of the table has been given below.

- *Life cycle phase:* The phase (number and name) where the document_is created
- *Document name:* The document's name (Phase identifier + name) in the AI-FSM.
- *REF:* Identifier of the project.
- *Version:* The actual version of the document.
- *Status:* This field is to assure that the different procedures (related to the FSM) that were submitted by the standard were implemented. Three states (*None, Process, Done*). all started with the status *None*.

Note: Include in the Document_List.docx document generated in the traditional FSM that all the documents related to the AI-FSM have been included in the current document or copy them in the Document_List.docx document.

5 Acronyms and Abbreviations

Below is a list of acronyms and abbreviations employed in this document:

- AI – Artificial Intelligence
- AI-FSM – Artificial Intelligence -Functional Safety Management

6 Bibliography

Add here the reference to used bibliography / references (if any)