|  |
| --- |
|  |

Project Name

System and Service Architecture
ESA Template Ver.2.2, Issue date: 15Apr2024

Approval

|  |
| --- |
| Title: System and Service Architecture |
| Issue Number:  | Revision Number:  |
| Author(s):  | Date:  |
| Approved by: | Date of Approval: |
|  |  |

Change Log

|  |  |  |  |
| --- | --- | --- | --- |
| Reason for change | Issue  | Revision  | Date |
|  |  |  |  |

Change Record

|  |  |
| --- | --- |
| Issue Number:   | Revision Number:   |
| Reason for change | Date | Pages | Paragraph(s) |
|  |  |  |  |

Distribution

|  |
| --- |
| Name/Organisational Unit: |
|  |

Table of contents:

1 Introduction 4

1.1 Reference Documents 5

1.2 Acronyms 5

2 System/SERVICE Architecture 5

3 Design and Development Plan 5

# Introduction

The purpose of the System and Service Architecture (SSA) document is to specify the

overall pilot system starting from the high level architecture down to its constituent building blocks.

The SSA shall describe the extent of development and/or integration of hardware, software and content elements and choice of the most appropriate system to be used in the project.

This template structures the minimum requirement of content expected in the System and Service Architecture deliverable to be reviewed by the ESA during the project execution.

Parts with the paragraph title highlighted in green in this template are based on contributions that have been provided in the Full Proposal and that can be reused as starting point and complemented when required.

Concerning the use of this template, please note the following:

* Material presented in this plain style is either suggested content for the System and Service Architecture, or describes the content to be inserted in the corresponding paragraph, as relevant. This is intended to be an example of a response to the related Agency requirements, which the Contractor needs to properly complement. The suggested material may be adopted as is, or modified at the Contractors’ discretion. It remains the responsibility of the Contractor to ensure that all of the Agency’s requirements present in the Management Requirements are properly addressed.
* This style is used to identify information that must be modified and/or completed by the Contractor for the proposed activity. This supplementary information should be presented in plain typeface (i.e. not red) in the final version of the System and Service Architecture.
* This style is used for explanatory notes and guidance to help you to develop the System and Service Architecture content (e.g. to indicate a selection between mutually-exclusive options). This information should be removed from the final version of the document.

PLEASE, REMOVE THIS TEXT BOX AFTER YOU HAVE STARTED USING THIS TEMPLATE

## Reference Documents

| Ref. | Document ID. | Title | Rev. |
| --- | --- | --- | --- |
|  |  |  |  |

## Acronyms

| **Tag** | **Description** |
| --- | --- |
| SSA | System and Service Architecture |
|  |  |

# System/SERVICE Architecture

*This section shall include a presentation of the overall system architecture, broken down into its key subsystems (typically one or more diagrams), with associated description of these subsystems, their roles, data/information flow among them, main interfaces (internal and external) and protocols, as relevant.*

*A specific emphasis should be given to the elements which will be developed, customised, integrated in the framework of the project*

*This section shall also clearly point out the strategic role of the satellite component/s in the proposed system compared to potential alternatives.*

*The SSA shall provide a provisional list of the sites (or areas, if related to mobile units) where the system will be* ***installed for the pilot utilisation.***

*The SSA shall clearly indicate the source of procurement for the different elements (e.g. purchase of commercial products (COTS), loan from partners or sponsors, developments performed within the contract) and the associated economic value, and whether they are long lead items.*

# Design and Development Plan

*Projects addressing development of hardware and/or software shall include a design and development plan to illustrate in a concise and conceptual manner the logical execution of the proposed development activities.*

*It shall define and include decision points upon which the course of the development will depend, together with the relevant quality standard and procedures, where applicable.*