TLP:AMBER

Solution Design Document

[TEMPLATE TEXT:

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Consider it its for internal use
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]

Title Page:

Includes the project name, document title (e.g., Solution Design Document), author(s), date, version, and approval signatures.

Revision History:

This section tracks changes to the document, including version number, date of the changes, description of changes, and the name of the person who made the changes.

Requester

Name	system	date

Approval

Name	Approved	Date

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Table of Contents:

1. Introduction:

- Purpose: Briefly describes the purpose of the solution design document.
- Scope: Outlines the scope of the solution, including what is covered and what is not.
- References: Lists any reference documents or materials used in the creation of the SDD.

2. System Overview:

- Provides a high-level description of the system, including its intended functionality and user base. If “as is “ this needs description
- Business Impact Assessment (BIA)

    - Confidentiality
    - Integrity
    - Availability
    - GDPR
    - NIS2 requirements
- Service Level Agreement
- Reference to CMDB
- Reference to system approval / acknowledgement of production

3. Design Considerations:

- Risks: Needs description with a Risk acceptance and or exception[1]
- Assumptions: Any assumptions made during the design process.
- Constraints: Design constraints such as technology, budget, time, etc.
- Goals and Guidelines: Specific goals the design aims to achieve.

4. Architecture and System Design:

- High-Level Architecture: Diagrams and descriptions of the overall system architecture.
- Component Design: Detailed design of each system component.
- Database Design: Structure and design of databases, including ER diagrams, schema descriptions, etc.
- Security Design: Security measures and protocols.
- User Interface Design: Mockups and descriptions of the user interface.

5. Integration and Data Flows:

- System Integration: How different parts of the system interact with each other.
- Data Flow Diagrams: Visual representations of data flow in the system.

6. Testing Strategy:

- Testing Overview: General testing approaches and phases.
- Test Cases: Sample test cases for validation.

7. Deployment Plan:

- Deployment Strategy: Strategy for deploying the solution.

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[1] Risks are known risks that cannot be mitigated. Needs approval from management. Low risks however are accepted without further, other than noted in the risk system. If it's short term, an exception can be granted. This is usually timebased with a constraint of up to 6 months. The risk / exception needs to be provided.

- Maintenance and Support: Plans for maintenance and technical support.

8. Cloud deployment

- Deployment design
- Exit strategy
- Encryption

9. Security

- General data protection
- end point protection
- Shutdown: Vendor information (How are we informed if a supplychain breach occurs)

10. Privacy

- How are we in compliance with GDPR ?
- Encryption
    - data at rest
    - data in transit
    - database encryption

11. Supply obligations

- Are we under requirements of NIS2: description follows on how this applies

Appendix:

Any additional information, like detailed technical specifications, code snippets, or expanded diagrams.
Approval: Section for the signatures of key stakeholders approving the document.