



Objective and Result

I was tasked with managing requirements content in my organization's requirements database. Once imported, I edited the requirements, ensuring all requirements only contained one objective, were verifiable, and were identified as a requirement within the system. I exported the document, reviewed to ensure every requirement had a requirement ID, and formatted the information into the company template. After a final review by Subject Matter Experts (SMEs), I released the document into the in-house configuration management system. Upon release, I traced the requirements to the system-level requirements within the requirements database and exported the traceability report for review by the SMEs. While the contents of the document cannot be displayed, the table of contents is provided to show the information architecture.

REQUIREMENTS DOCUMENT, SAMPLE PROJECT

Mockup

CONTENTS

1.	GENERAL.....	4
1.1.	Scope.....	4
1.2.	Purpose.....	4
1.3.	Change Control	4
1.4.	Verification	5
2.	DOCUMENT REFERENCES	5
2.1.	Required Documents.....	5
2.2.	Reference Documents.....	5
3.	PRODUCT OVERVIEW	5
3.1.	Product Context	6
3.2.	Operational Scenarios.....	6
3.3.	Assumptions, Dependencies, and Constraints	6
4.	INTERFACE REQUIREMENTS.....	6
4.1.	Electrical Interfaces	6
4.1.1.	Electrical Connector Type and Designator	6
4.1.2.	Electrical Connector Pinout	7
5.	PRODUCT REQUIREMENTS	7
5.1.	Functional Requirements.....	7
5.1.1.	Open Circuit Voltage	7
5.2.	Electrical Requirements.....	7
5.2.1.	Current.....	7
5.2.2.	Load Profile	7
5.3.	Mechanical Requirements	7
5.3.1.	Mechanical Envelope	7
5.4.	Safety Requirements	8
5.5.	Security Requirements.....	8
6.	RELIABILITY REQUIREMENTS	8
7.	SURVEILLANCE REQUIREMENTS	8

8.	SPECIALTY ENGINEERING REQUIREMENTS	8
8.1.	Maintenance Requirements.....	8
8.2.	Transportation Requirements.....	8
8.2.1.	Handling and Use	8
9.	ENVIRONMENTAL REQUIREMENTS.....	9
9.1.	Normal Environments.....	9
9.1.1.	Temperature	9
9.1.2.	Stress	9
9.2.	Abnormal Environments	9
10.	NEXT ASSEMBLY ASSERTIONS.....	9
11.	ACRONYMS	10

FIGURES

Figure 1. Model.....	6
Figure 2. Sample Product Block Diagram	6

TABLES

Table 1. Sample Product Connector Pinout Table	7
--	---