Design Report

Test Team

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Test Course

Team Members

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Contents

1 Introduction

This is a test document to verify that the `designreport.cls` class file works correctly after removing the impact statement environment.

2 Test Section

This section contains some basic content to test the formatting:

2.1 Subsection Test

This is a subsection with some text content.

2.1.1 Subsubsection Test

This is a subsubsection to test the formatting hierarchy.

3 Engineering Requirements

The following table demonstrates the longtable functionality for engineering requirements that can span multiple pages:

Table 1. Engineering Requirements Table

ER No.	Engineering Requirement	MR	Justification	Verification
1	System shall control primary functionality	1	Core objective of the project	Test each control mechanism individually
2	Device shall fit within specified dimensions	2	Physical constraints of the application	Verify using dimensional measurements
3	System shall have independent power supply	3	Operational independence requirement	Confirm electrical isolation using multimeter
4	Device shall sense motion and orientation	1,5	Required for state monitoring	Perform sensor accuracy and repeatability tests
5	System shall operate for required duration	1,3	Must function throughout operation period	Test under simulated conditions
6	Device shall use standard components	3	Standardization and availability	Verify component specifications
7	System shall not cause interference	4	Compatibility with other systems	Perform electromagnetic compatibility testing
8	Device shall withstand operational forces	5	Structural integrity under normal loads	Conduct force testing per specifications
9	System shall tolerate vibrations	5	Environmental durability requirement	Perform vibration testing at specified levels
10	Device shall handle impact loads	5	Shock resistance capability	Execute impact testing per mission profile
11	System shall operate in thermal range	5	Temperature tolerance requirement	Test across expected temperature range

ER No.	Engineering Requirement	MR	Justification	Verification
12	Development cost shall stay within budget	7	Financial constraint	Track expenses against allocated budget
13	Design shall comply with regulations	2	Legal and regulatory compliance	Review against applicable standards
14	System shall provide real-time response	6	Performance timing requirement	Verify response time under test conditions
15	Device shall not interfere with operations	6	Non-interference requirement	Test activation scenarios and verify non-operation

4 Conclusion

The design report class file appears to be working correctly with longtable support.