1 Purpose

This document defines the hardware and software test procedures required for verification of a self-sealing stem bolt. As we know nothing could be built without bolts. They are a basic component of reverse-ratcheting routing planers.

2 References

2.1 Internal References

- Self-sealing stem bolt on memory-alpha.fandom.com (link)
- Self-sealing stem bolt on memory-beta.fandom.com (link)

3 System Verification

This document describes the system verification for self-sealing stem bolt. Unfortunately self-sealing stem bolts are mysterious devices of unknown use and origin. The field of application of the self-sealing stem bolts is shrouded in mystery.

3.1 Objective

Even though the self-sealing stem bolt is a mysterious device, this document outlines a procedure to determine how one can be tested.

3.2 Required Equipment

- standard issue Tricorder
- 20T NMR spectrometer
- quantum combobulator

3.3 Setup and Configuration

No special setup and configuration is required beyond ensuring calibration of Tricorder, spectrometer and combobulator.

3.4 Requirements Tested

Requirements from Document Number: Reference the document where the requirements are coming from here
S3.1.1, S3.2.2, S3.2.3, S3.2.4

3.4.1 Procedure and Test Worksheet

Stardate Test Performed	
Starbase Test Performed	
Test System Serial #	
Test Computer Serial #	
Functional self-sealing stem bolt	
Defective self-sealing stem bolt	

Step	Action	Verification	P/F	Result, Notes
1	Ensure indicator lights are working by pressing and holding down the on button for 10 seconds.	All indicator lights (red, gree, blue) flash first one after another twice and then all together 3 times.		
2	Ensure correct composition of self-sealing stem bolt by inserting it into a spectrometer	The stem bolt should consist of 80% mixed duranium, aluminum, and steel alloys, 11% electrically modulated ceramic, and 9% thermally stabilized plastic.		

Summary Report Results:			
Additional Comments:			
Completed by:	_____	Date:	_____
	Lieutenant junior grade Nog Junior Engineer		
Result:	Pass ☐	Fail ☐	Pass with limitations ☐
Approved By:	_____	Date:	_____
	Lieutenant commander Geordi La Forge Chief Engineer		

4 Document Revision History

Ver	Change Description	Author
01	Release version 1 of self-sealing stem bolt	Nog