

National Technical Systems Test Report for Environmental Testing of the Central Count Scanners

Prepared For

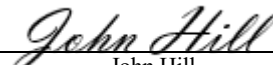
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Revision History

Rev.	Description	Issue Date
0	Initial Release	05/03/2022

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1.0 Introduction

This document presents the test procedures used and the results obtained during the performance of an Environmental/Dynamics test program. The test program was conducted to assess the ability of the specified Equipment Under Test (EUT) to successfully satisfy the requirements listed in Section 2.0.

2.0 References

The following references listed below form a part of this document to the extent specified herein.

- Test Specification: MIL-STD-810D (see Table 5.0-1 for Paragraph reference)
- Pro V&V, Inc. Purchase Order(s) 2021-014, dated 09/08/2021
- National Technical Systems (NTS) Quote(s) OP0594524, dated 09/07/2021
- ISO/IEC 17025:2017(E) *General Requirements for the Competence of Testing and Calibration Laboratories*, dated 11/1/2017

3.0 Product Selection and Description

Pro V&V, Inc. selected and provided the test sample(s) to be used as the Equipment Under Test.

Table 3.0-1: Product Identification - Equipment Under Test (EUT)

Item	Qty.	Name/Description	Part Number	Serial Number
1	3	DS450	N/A	DS4521063686
				DS4521063684
				DS4521063683
2	3	DS950	N/A	DS9521060541
				DS9521060542
				DS9521060543

3.1 Security Classification

Non-classified

4.0 General Test Requirements

4.1 Test Equipment

The instrumentation used in the performance of these tests is periodically calibrated and standardized within manufacturer's rated accuracies and are traceable to the National Institute of Standards and Technology. The calibration procedures and practices are in accordance with ISO 17025:2017. Certification of calibration is on file subject to inspection by authorized personnel.

5.0 Test Descriptions and Results

Table 5.0-1: Summary of Test Information & Results

Section	Test	Specification	Test Facility	Test Date	Part #	Serial #	Test Result
5.1	Temperature/Power Variation	MIL-STD-810D/4.1.2.13/Method 502.2, 501.2	Longmont	02/21/2022 - 02/24/2022	N/A	DS4521063686	No damage or anomalies noted.
						DS4521063684	
						DS4521063683	
						DS9521060541	
						DS9521060542	
						DS9521060543	

The decision rule for Test Results was based on the Test Specification used for testing.

5.1.4 Test Photographs



5.1.5 Test Data





5.1.6 Test Equipment List

Table 5.1-1: Temperature/Power Variation Test Equipment List

Asset Number	Asset Type	Manufacturer	Model	Calibrated	Due
WC061603	Chamber (Temperature/Humidity)	Thermotron	WS-1372-CH-(5) 25-25	09/29/2021	09/29/2022
WC061604	Controller (Temperature)	Thermotron	8800	09/29/2021	09/29/2022

Calibration Abbreviations

CAL: Calibration

NCR: No Calibration Required



End of Test Report