

National Technical Systems Test Report for Environmental Testing of the ClearAccess

Prepared For

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Performed By

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Revision History

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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: Military Standard No. MIL-STD-810D
- Pro V&V, Inc Purchase Order(s) 2021-019, dated 11/30/2021
- National Technical Systems (NTS) Quote(s) OP0602148, dated 11/29/2021
- 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
	3			46001214VXML,
1		ClearAccess	N/A	AS21115292767,
				I19322853
				4600952318T24,
2	3	ClearAccess	N/A	AS2128290646,
				K193008671

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	Environmental Temperature Power	MIL-STD-810D Method 502.2	Longmont	12/06/2021-12/09/2021	N/A	46001214VXML, AS21115292767, I19322853, 4600952318T24, AS2128290646, K193008671	Pro V&V will determine results.

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



5.1 Environmental Temperature Power

5.1.1 Test Procedure

MIL-STD-810D Method 502.2.

5.1.2 Test Result

Pro V&V will determine results.

5.1.3 Test Datasheets

		Test Log					
MJO N	lo: PR150950	Customer: Pro V&V Test Spec: MIL-STD-810D 502.2 Temp Pwr V	ar Test				
Date	Time	Log Entry	Tech				
12/6/21	9:00	Set VAC to 117vlts & ramp to +10c	NP				
12/6/21	9:41	Start dwell at 117vlts & +10c for 4hrs	NP				
12/6/21	13:47	Lower VAC to 105vlts & dwell for 4hrs	NP				
12/6/21	17:57	Raise VAC to 129vlts & dwell for 4hrs	KM				
12/6/21	21:57	Lower VAC to 117vlts & Raise temperature to +35c & dwell for 4hrs	KM				
12/7/21	1:47	Lower VAC to 105vlts & dwell for 4hrs	KM				
12/7/21	7:24	aise VAC to 129vlts & dwell for 4hrs					
12/7/21	10:20	ower VAC to 117vlts & Lower temperature to +10c & dwell for 4hrs					
12/7/21	14:20	ower VAC to 105vlts & dwell for 4hrs					
12/7/21	18:20	Raise VAC to 129vlts & dwell for 4hrs					
12/7/21	22:20	ower VAC to 117vlts & Raise temperature to +35c & dwell for 4hrs KM					
12/8/21	2:20	ower VAC to 105vlts & dwell for 4hrs					
12/8/21	6:20	Raise VAC to 129vlts & dwell for 4hrs NP					
12/8/21	10:20	Lower VAC to 117vlts & ramp to +23c ambient NF					
12/8/21	10:20	Temperature and power variation portion of test has completed KM					
12/8/21	10:20	Test will continue to run at +23c ambient for another 37hrs KM					
12/9/21	2200	All Testing complete for a total of 85hrs	KM				
		Note: All test pass or fail determinations decided by Pro V&V Inc.					



5.1.4 Test Photographs

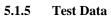


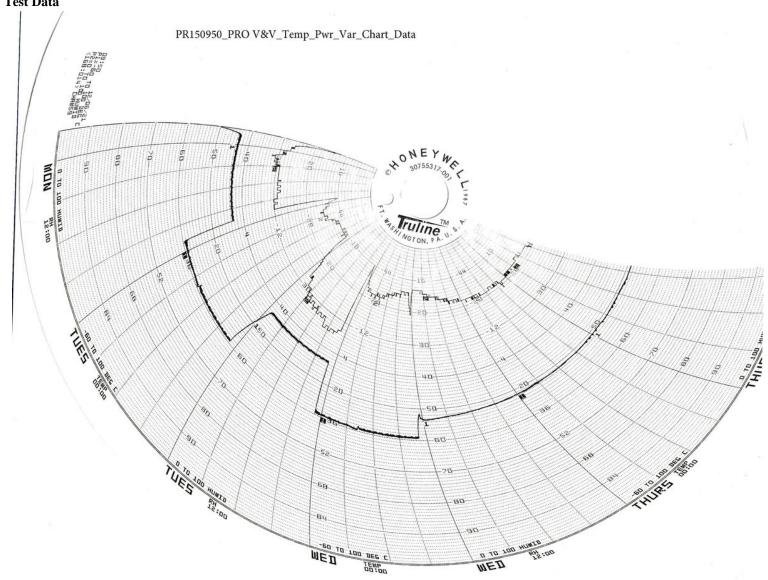
Setup View 1



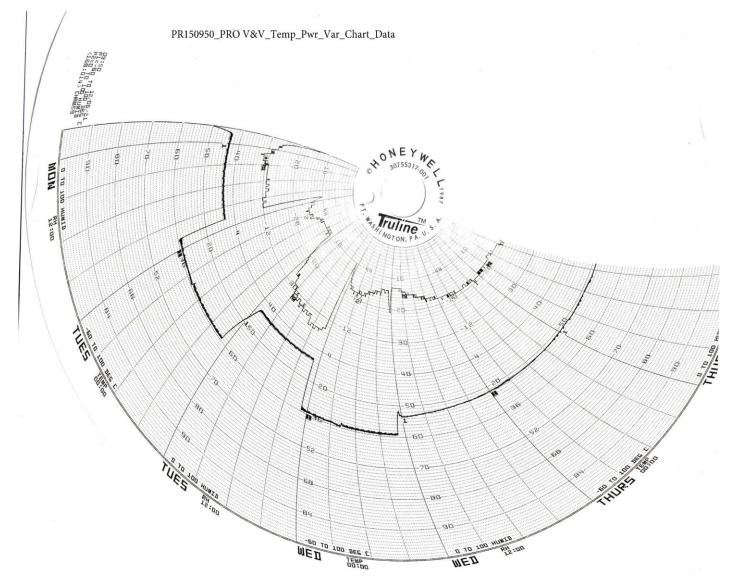
Setup View 2













5.1.6 Test Equipment List

Table 5.1-1: Environmental Temperature Power Test Equipment List

Asset Number	Asset Type	Manufacturer	Model	Calibrated	Due
WC061559	Chamber (Temperature/Humidity)	StorageTek	Large Walk In	09/29/2021	09/29/2022
WC061560	Controller (Temperature)	Watlow	F4	09/29/2021	09/29/2022
WC061561	Recorder (Chart)	Honeywell	DR45AT	09/29/2021	09/29/2022

Calibration Abbreviations

CAL: Calibration

NCR: No Calibration Required



End of Test Report