Test Case Identifier: DVS-ECO-CO-Printer Firmware 925.2119A	Manufacturer: Dominion Voting Systems
Test Case Description: **Verifying firmware version 925.2119A on the HP M404dn**	**Project Number: DVS-ECO**
Test Date: 9/7/2023	**Document Control #:00**

Standard:	VVSG 1.0	*If Other, specify:*

Requirements:
- HP M404dn laser printer with firmware version 925.2119A (old)
- HP M404dn laser printer with firmware version 925.2134A (new)
- ICX
- 11in ballot stock
- 14in ballot stock

Test Objective: Testing that the old firmware version 925.219A works with the HP M404dn Printer. This firmware gives a more generic error message	**Test Configuration:** • **Test Configuration 1:** ○ ICX ○ HP Printer with firmware version 925.2119A ○ Ballot Stock • **Test Configuration 2:** ○ ICX ○ HP Printer with firmware version 925.2134A ○ Ballot Stock

Test Case Validated: This test case has been verified and approved to produce test results that meet or exceed the specific requirements stated above. This test case shall not be executed for an official test until the required approval signature has been provided.	**Validated By:** Name: Charles Rice Signature/Date: *Charles Rice* **Approved By:** Name: Hunter Medlock Signature/Date: *Hunter Medlock*

Success Criteria: The system performs in a manner to sufficiently meet the requirement(s) being evaluated and the actual result meets the expected result.

Equipment Needed:	See the test configurations for the equipment needed
Special Requirements:	None
Assumptions:	The ICX has had a pre-op preformed on the unit, and the all equipment is working properly

Step	Procedure
0	Use the designated method to print out a ballot on the HP Printer with the firmware version 925.2119A, with the toner having low ink. Verify that the only warning about the low toner is on the HP M404dn Laser Printer LCD screen. The ICX should allow the continuation of the voting process. *Expected: The ICX allows for the ballot to continue to be printed, and the only notification of low toner is on the HP M404dn Laser Printer LCD Screen* **Performed as Expected:** ☑ **YES** ☐ **NO** **If No, Explain Issue and Log into Mantis**

1000	Use the designated method to attempt to print out a ballot on the HP Printer with the firmware version 925.2134A with the toner having low ink. The ICX should insert a warning issue stating the following: *"BMD Printer not ready* *Toner Low"* *Expected: The ICX shows the warning message and does not allow for the ballot to be printed until the toner has been replaced.* **Performed as Expected:** ☑ **YES** ☐ **NO** **If No, Explain Issue and Log into Mantis**
1010	Use the designated method to try to print a ballot with an incorrect ballot size into the HP Printer with the firmware 925.2119A installed. Use the designated method to review the error message that is presented to the voter *Expected: The error message is presented to the voter states the following:* *"Cause of issue:* *Error- Print timeout expired* *Ballot printing was not fully completed* *If any cards are printed, please invalidate them before selecting next action"* **Performed as Expected:** ☑ **YES** ☐ **NO** **If No, Explain Issue and Log into Mantis**
1020	Use the designated method to try to print a ballot with an incorrect ballot size into the HP Printer with the firmware 925.2134A installed. Use the designated method to review the error message that is presented to the voter *Expected: The error message is presented to the voter with the following information:* *"Printer status:* *Unexpected paper size* *Please press Cancel button on the printer to reset its status before fixing the printer issue"* **Performed as Expected:** ☑ **YES** ☐ **NO** **If No, Explain Issue and Log into Mantis**

Evaluation of the Test Execution and Results:

Tested By: Acknowledgment that the test was run according to the steps set forth in this document, and any unexpected conditions or deviations found during the test were reported appropriately and logged in the Engineering Notebook.

Name: Charles Rice

Title: ___Project Manager___

Signature: ___*Charles Rice*___   Date: 09/07/2023

Approved By: Acknowledgment that the test requirements and success criteria were met.

Name: ___Hunter Medlock___

Title: ___Project Manager___

Signature: ___*Hunter Medlock*___   Date: 09/07/2023