

**ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM****Manufacturer:** Dominion Voting Systems**System:** Democracy Suite (D-Suite) 5.17-CO**ECO Number:** 100938**ECO Description:** Adding an alternate version of firmware (925_2119A) for the M404dn ICX BMD printer in D-Suite 5.17-CO.**Overview:**

Adding an alternate version of firmware for the M404dn printer in D-Suite 5.17-CO to improve product availability. This firmware was successfully tested by the VSTL under D-Suite 5.15. This change incorporates two differences from the current version:

- Displays less granularity in a very low toner state
- Displays a less specific printer error message when an incorrect paper size is used

Add: firmware version 925_2119A

Products Affected: HP M404dn ICX BMD printer

State certified system impacted: D-Suite 5.17-CO

Supporting Documentation:ECO 100938 M404dn Alternate Firmware v2 (*Dominion ECO*)DVS-HP-FIRMWARE-2119A (*Pro V&V Test Case*)**Engineering Recommendation:**

Technical Documentation Review and functional testing performed for recommendation. Functional testing consisted of executing the Pro V&V DVS-HP-FIRMWARE-2119A Test Case. Testing was performed utilizing two HP M404dn laser printers, each of which was loaded with a version of firmware (925.2119A and 925.2134A), an ICX, and multiple ballot sizes (11-inch and 14-inch).

Testing was completed successfully. All actual results met the expected results.

Following execution of the test case, Pro V&V determined adding the firmware version should not adversely affect system reliability, functionality, capability, or operation. After review, Pro V&V determined no additional testing is required.

Engineering Analysis: De Minimis – No Additional Testing Required**Reviewer:**

Wendy Owens

Printed Name

Signature

09/08/2023

Date

Approver:

Michael Walker

Printed Name

Signature

09/08/2023

Date