



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer:	Dominion Voting Systems
System:	ImageCast Precinct 2
ECO Number:	100762
ECO Description:	Added alternate ICP2 LCD-Touch Panel assembly vendors to mitigate lead-time and availability issues with current supplier

Overview:

The ICP2 LCD and touch panel assembly (DVS PN 123-000439) currently assembled by Bi-Search International (BSI PN TAG057VTN01.1-DV), but to mitigate lead-time issues and availability of assembled modules by vendor BSI, Dominion has added two new vendors to produce the assembly using the identical COTS parts that are used in the BSI assembly.

Added the following vendors for producing DVS PN 123-000439:

- Varitronix/BOEVX USA (VBU PN VTFT057KRNJ50 REV T08)
- Avalue Technology, Inc. (Avalue PN ES-60000000069R).

Products Affected: ImageCast Precinct 2

Per Dominion, this product can be used with the following EAC certified Democracy Suite (D-Suite) systems: 5.5-B, 5.5-C

Per Dominion, the product can be used with the following state certified Democracy Suite (D-Suite) systems: 5.5-BT, 5.5-CS, 5.6-B, 5.6-C, 5.10, 5.10-A

Supporting Documentation:

ECO 100762 ICP2 LCD Vendor.pdf (*Dominion ECO*)
ES-60000000069R.pdf
(MD)_TAG057VTN01.1-DV_REV.A__(12.19.17).PDF
ICP2_BSILCD_Horizontal.pdf
ICP2_BSILCD_Vertical.pdf
ICP2_VaritronixLCD_Horizontal.pdf
ICP2_VaritronixLCD_Vertical.pdf

Engineering Recommendation:

Technical Documentation Review performed for recommendation. Although replacement component is comprised of identical COTS parts and should be comparable to current component in form fit, and function; Pro V&V determined the full suite of non-operational environmental hardware testing, radiated and conducted emissions, ESD, as well as battery backup and usability testing would need to be performed to verify the changes did not adversely affect system reliability, functionality, capability, or operation.

Additionally, Pro V&V recommends the testing required to make a final determination be completed under the ECO program and not as a system modification. This recommendation is based on: (1) no updates or impacts to software versions, (2) no new components being introduced, and (3) no changes are being introduced that have a reasonable or identifiable potential to impact the system's performance and compliance with the applicable voting standard.

Upon successful completion of all recommended testing, Pro V&V will submit a revised analysis and test result reports to the EAC for consideration.

Engineering Analysis: Testing Required

Reviewer:

Wendy Owens

Printed Name

Wendy Owens

Signature

06/24/2021

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker

Signature

06/24/2021

Date