



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer: Dominion Voting Systems

System: D-Suite ImageCast Evolution (ICE) Component

ECO Number: 100763

ECO Description: Added termination resistors to unused lines on the ICE Main Controller Board per recommendations from chip manufacturer

Overview:

On the ICE Main Controller Board (2V3), added resistors to terminate unused processor pins per recommendations from chip manufacturer. *Note: For the PCOS-410A Main Controller Board version 2V3 (DVS PN 160-000023), the boards with this change will be marked as version 2V3A.*

Products Affected: ImageCast Evolution

This change will be used with the following EAC certified Democracy Suite (D-Suite) systems:
4.14-D, 4.14-E, 5.5-B, 5.5-C

The change will be used with the following state level system configurations:
4.14-DS, 4.14-NY, FL 4.14.17v3, FL 4.14.37v1, FL 4.14.37v2, FL 4.14.37v3, 5.4-NM, 5.4-Complete, 5.5-BT, 5.5-CS, 5.10, 5.10-A

Supporting Documentation:

- ECO 100763 ICE Termination Resistors.pdf (*Dominion ECO*)
- ICE_PCOS-410A_2V3A_Motherboard_Test_Report.pdf
- PowerQUICC Design Checklist (AN2931)_Highlighted.pdf

Engineering Recommendation:

Technical Documentation Review performed for recommendation. Dominion submitted test results for the following: Comprehensive Functional Test, Environmental Test, and Radiated Emissions Pre-Scan. All tests were completed successfully. Pro V&V determined change should not adversely affect system reliability, functionality, capability, or operation. No additional testing is required.

Engineering Analysis: No additional testing required.

Reviewer:

Wendy Owens
Printed Name

Wendy Owens
Signature

08/02/2021
Date

Approver:

Michael L. Walker
Printed Name

Michael L. Walker
Signature

08/02/2021
Date