PRO V&V

ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer:	Dominion Voting Systems
System:	Democracy Suite (D-Suite) ImageCast X
ECO Number:	100747
ECO Description:	Updated ICX application to provide proper screen rendering of a multi-column contest when a multiple of other factors are combined with this contest display mode.

Overview:
Updated ICX application to provide proper screen rendering of a multi-column contest, when scrolling is turned off, when using a large database, and when specific user actions are required. This combination of factors is rare and the manifestation only affects the display of that multi-column contest and can only occur once per cycling of the machine.

Products Affected: ImageCast X

Add:
ICX 5.5.15.3 Application Software for use with election databases displaying a contest using multiple columns.

The software will be used with the following EAC certified Democracy Suite (D-Suite) system:
5.5-C

The software will be used with the following state level Democracy Suite (D-Suite) system:
5.5-CS

Supporting Documentation:
ECO 100747 ICX 5.5-C Update.pdf *(Dominion ECO)*
ICX 5.5.15.3 (5.5-C) Test Run - TestRail.pdf *(Dominion Test Results)*
Test Cases for 2 column.pdf *(Dominion Test Case)*

Engineering Recommendation:
Source Code Review, Witness Build, and Functional Regression testing performed to approve change. Based on the review of the source code and nature of the change, Pro V&V recommends the change be deemed as de minimis. Based on the testing performed and the results obtained, it was verified through source code review and functional testing that the issue found in ICX version 5.5.15.2 can't be reproduced in ICX version 5.5.15.3. No additional testing is required.

Engineering Analysis: De Minimis **-** No Testing Required

Reviewer:	**Approver:**
Wendy Owens	Michael L. Walker
Printed Name	Printed Name
Wendy Owens	*Michael L. Walker*
Signature	Signature
04/22/2021	04/22/2021
Date	Date