



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer:	Dominion Voting Systems
System:	Democracy Suite (D-Suite)
ECO Number:	100833
ECO Description:	Update to BIOS on the ICX Prime Motherboard due to the revision change on the Intel Celeron processor

Overview:

On the ICX Prime Motherboard, Avalue (the COTS Manufacturer of the ICX unit) had to migrate the Celeron Processor from Intel's DO Stepping version (Intel PN 116009-00) to the 01 Stepping version (Intel PN 116009-01) as the Intel DO Stepping version is no longer commercially available. The new processor has the same physical and electrical specifications as the previous processor. To support the new processor, an update to the Motherboard BIOS is necessary to support the new Intel microcode that comes with this new version of the processor. The BIOS update (v1.40C) is backward compatible with the previous processor version (DO Stepping). Note: This BIOS version 1.40C is already part of the D-Suite 5.6-D state level system configurations.

Products Affected: ImageCast X Prime (HID-21V)

Per Dominion, this change will be used in the following system configurations:

EAC: 5.5, 5.5-A, 5.5-B, 5.5-C

State-level: 5.4-NM, 5.4-Complete, 5.5S, 5.5-BT, 5.5-CS, 5.6-B, 5.6-C, 5.6-0, 5.7, 5.7-A, 5.10, 5.10-A, 5.12-LA, 5.12-A, 5.12-B, 5.12-NV, 5.15

Supporting Documentation:

ECO 100833 ICX Prime CPU BIOS Update.pdf (*Dominion ECO*)

ICX Prime BIOS BTXJ1.40C Qualification Report V3.0.pdf (*Dominion Test Results*)

PCN116009-01.pdf (*Product Change Notice*)

R-HID-21V-BIOS-20220223.pdf (*Manufacturer Change Letter*)

Engineering Recommendation:

Technical documentation review performed to approve change. Dominion internal test results were reviewed. It was determined that the new version will not adversely impact the certified systems; therefore, no additional testing is required. The change does not affect the fit, form, or function of the product.

Engineering Analysis: De Minimis

Reviewer:

Wendy Owens

Printed Name

Wendy Owens
Signature

04/18/2022

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker
Signature

04/18/2022

Date