



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer:	Unisyn
System:	OpenElect Voting System (OVS) OCS/OVCS Components
ECO Number:	ECO 2301
ECO Description:	Add Dell Latitude 5540 with EOS 5.0

Overview:

This ECO documents the addition of a Dell Latitude 5540 laptop computer and supporting OS to OpenElect product line supporting 2.X OCS/OVCS applications. The resulting version of this update would show as EOS 5.0 on the About Screen for all OCS/OVCS applications. Using CentOS 7.9 as the baseline OS with the ElRepo kernel-ml-6.3.5-1.el7 for driver support, the EOS 5.0 is already configured to meet SCAP best practices, supporting OpenElect 2.X versions of the OCS/OVCS. Products Affected: OpenElect Voting System (OVS) OCS/OVCS Components

Certified Systems Affected: OVS 2.1, 2.2, 2.2.3

Supporting Documentation:

- EOS 5.0_Dell 5540 ECO_v2.1 (*Unisyn ECO*)
- 04-00617_EOS_Linux_Installation_Guide (*Unisyn Technical Document*)
- 04-00549_EOS_Linux_OCS Installation Guide (*Unisyn Technical Document*)
- Unisyn 2301 ECO Test Cases (*Pro V&V Test Execution Report*)
- Supplemental Information - Unisyn ECO 2301
- PC Hardware De Minimus Test Cases_QA_DB_5540 (*Unisyn QA Testing*)
- Dell Latitude 5540 Specs (*Specs of Dell Latitude 5540 for Unisyn*)

Engineering Recommendation:

Technical documentation review and functional regression testing performed to analyze this change. Functional regression testing consisted of verifying system functionality requiring a closed network and audio playback that would be impacted by the kernel change. The test assertions identified in the submitted ECO were verified to be functioning correctly. Upon review of provided technical documentation and functional regression testing, Pro V&V determined the submitted modification does not negatively impact the functionality, performance, accessibility, usability, safety, or security of the components or system or adversely alter the overall configuration of the certified systems. No changes were made to system firmware/software or documentation. Added laptop is comparable to current laptop in form, fit, and function. Based on the assessment, Pro V&V recommends the addition of the Dell Latitude 5540 be considered a minor change with no additional testing required.

Engineering Analysis: De Minimis – No Additional Testing Required

<p>Reviewer:</p> <p style="text-align: center;">Wendy Owens Printed Name</p> <hr/> <p style="text-align: center;"><i>Wendy Owens</i> Signature</p> <hr/> <p style="text-align: center;">08/22/2023 Date</p>	<p>Approver:</p> <p style="text-align: center;">Michael L. Walker Printed Name</p> <hr/> <p style="text-align: center;"><i>Michael L. Walker</i> Signature</p> <hr/> <p style="text-align: center;">08/22/2023 Date</p>
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