



**ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM**

**Manufacturer:** Unisyn  
**System:** Open Elect Voting Optical (OVO) Ballot Box  
**ECO Number:** 1028  
**ECO Description:** Hybrid Lid OVO Ballot Box Assembly

**Overview:**

This ECO documents a new adaptation to mount an FVS atop of an OVO ballot box. The new lid was designed so current OVO customers with ballot box can upgrade to new FVS precinct scanner and not have to purchase new box.

Products Affected: OVO Ballot Box

Add: PN 8033-93331, Assy., Hybrid Lid FVS on OVO Ballot Box

**Supporting Documentation:**

NCC 1028 Hybrid Lid Signed (*Unisyn ECO*)  
FVS and new hard plastic ballot box (*Unisyn Quick Reference Guide*)  
Supplemental Information – Unisyn ECO 1028

**Engineering Recommendation:**

Technical documentation review, functional evaluation, and a physical security assessment were performed to analyze this change. Functional evaluation of the upgraded ballot box consisted of on-site operational testing consisting of four test scenarios: 1) utilizing full-size ballots, 2) ballots generated from the Freedom Vote Tablet (FVT), 3) a combination of full-size and FVT ballots, and 4) ballot validation enabled. A physical security analysis was performed to ensure that this change did not compromise or adversely affect the physical security of the FVS when mounted onto an OVO ballot box.

Upon review of provided technical documentation, physical security assessment, and functional evaluation test results, 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.

Pro V&V recommends the modification be considered a minor change with no additional testing required.

**Engineering Analysis: De Minimis**

**Reviewer:**

Wendy Owens

Printed Name

*Wendy Owens*  
Signature

06/28/2023

Date

**Approver:**

Michael Walker

Printed Name

*Michael L. Walker*  
Signature

06/28/2023

Date