

**ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM****Manufacturer:** Election Systems & Software (ES&S)**System:** EVS DS950 Component**ECO Number:** ECO-1156**ECO Description:** Add extension to sensor arm which will trigger sensor sooner when lowering tray**Overview:**

ES&S noted the tray has a small chance to move past stopping point due to momentum and bottom out. This causes the motor to not be able to move the tray up, resulting in a Motor Drive Error.

Systems Affected:

Federal: EVS 6.0.6.0, EVS 6.2.0.0, EVS 6.3.0.0

State: EVS 6.0.7.0, EVS 6.3.0.1, EVS 6.3.0.2, FL EVS 6.3.1.0 Version 1 (Revision 1)

**Supporting Documentation:**ECO 1156 ORIGINAL (*ES&S Engineering Change Order*)ECO 1156 ES&S Responses (*ES&S Supplemental Information*)ECO 1156 Switch Plate Drawing (*DS950 Switch Plate Drawing*)ECO 1156 Installation Guide (*DS950 Tray Sensor Extension Installation Guide*)ECO 1156 Bill of Materials (*Bill of Materials*)**Engineering Recommendation:**

Based on successful technical documentation review, Pro V&V determines the submitted modification does not adversely impact the functionality, performance, accessibility, usability, safety, or security of the components or system or alter the overall configuration of the certified systems. No change to firmware/software is required. Per ES&S, there is no impact to election official documentation. This modification has been successfully functionally evaluated and hardware tested as part of the EAC-certified EVS 6.4.0.0 test program.

Pro V&V recommends the ECO be approved for implementation to the EVS Systems identified above with no testing required.

**Engineering Analysis:** De Minimis – No testing required**Reviewer:****Wendy Owens**

Printed Name

Signature

02/12/2024

Date

**Approver:****Michael Walker**

Printed Name

Signature

02/12/2024

Date