



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer: Election Systems & Software (ES&S)

System: DS300

ECO Number: 1193

ECO Description: Update DS300 Scanner Board FPGA Code to package dated 2024 12 20 for use in new production and spare parts.

Overview:

This ECO introduces an update to the DS300 Scanner Board FPGA Code to package dated 2024 12 20 for use in new production and spare parts. Per the submitted ECO, DATAWIN a 3rd Party vendor, is recommending the update for improved scanned image quality.

Systems Affected:

Federal: EVS 6.3.0.0, EVS 6.4.0.0, EVS 6.5.0.0

State: EVS 6.3.0.1, EVS 6.3.0.2, Florida EVS 6.3.1.0 Version 1 (Revision 3), EVS 6.4.1.0

Supporting Documentation:

ECO 1193 ORIGINAL (*ES&S ECO*)

EAC ECO 1193 Required Questions (*ES&S Supplemental Information*)

ECO 1193 INSTALLATION GUIDE (*ES&S Installation Guide*)

Test Case - DS300 FPGA Code 2025 04 25 (*ES&S Test Case*)

Engineering Recommendation:

Technical documentation review and verification testing performed by Pro V&V to approve change. Testing consisted of executing the provided test case (identifying the condition exhibited on a DS300, upgrading the DS300 per the provided instructions, and then verifying that the upgrade process was successful, and the condition was resolved). The test case was executed successfully with no issues noted. It was demonstrated that the update had no adverse impact on the system's operation and the condition was successfully resolved. No additional testing required.

Pro V&V recommends the upgrade be approved for use with the EVS Systems identified above with no testing required.

Pro V&V evaluated this ECO under Section 3.3.2 Bug Fix of the Voting System Testing and Certification VVSG Lifecycle Policy.

Engineering Analysis: De Minimis – No additional testing required

Reviewer:

Wendy Owens

Printed Name

Wendy Owens

Signature

04/29/2025

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker

Signature

04/29/2025

Date