



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer: Election Systems & Software (ES&S)

System: EVS DS200 Component

ECO Number: 1035

ECO Description: Update DS200 Scanner Board FPGA Code

Overview:

This ECO documents the update of the DS200 Scanner Board FPGA Code. This update provides for improved thermal stability and higher resolution calibration characteristics.

Affected Systems:

Federal: Unity 3011, Unity 3210, Unity 3410, EVS 5200, EVS 5203, EVS 5210, EVS 5211, EVS 5220, EVS 5240, EVS 5241, EVS 6020, EVS 6021, EVS 6040, EVS 6100

State: Unity 3401, Unity 3411, EVS 5100, EVS 5202, EVS 5300, EVS 5310, EVS 5320, EVS 5340, EVS 5341, EVS 5502, EVS 5601, EVS 5602, EVS 6042, EVS 6050, EVS 6051, FL EVS 4520 V1R1, EVS 4530 V1R1, FL EVS 4530 V2R3

Supporting Documentation:

ECO 1035 ORIGINAL.pdf (*ES&S ECO*)

50-10009-00 DS200 Scanner Board JTAG Programming.pdf (*upgrade instructions*)

Engineering Recommendation:

Technical documentation review and onsite verification testing performed to approve change. Testing performed on-site at the ES&S facility by Pro V&V. Testing consisted of witnessing the condition exhibited on a DS200, upgrading the DS200 per the provided instructions, and then verifying that the upgrade process was successful and the condition was resolved. It was demonstrated that the update did not adversely impact the system's operation and the condition was successfully resolved. No additional testing required.

Engineering Analysis: De Minimis

Reviewer:

Wendy Owens

Printed Name

Wendy Owens

Signature

2/13/2020

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker

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2/13/2020

Date