



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer: Election Systems & Software (ES&S)

System: DS200, Hardware Configuration 1.3.11

ECO Number: 1042

ECO Description: EOL Part Replacement and associated modifications

Overview:

This ECO documents the following modifications to the DS200:

1. New Touch Screen Controller
2. New Liquid Crystal Display (LCD), with associated mounting bracket and LVDS cables
3. Create a display subassembly for field service
4. Move to a quad-core processor on the motherboard
5. Change scanner board to accommodate new motor driver
6. Update USB hub power cable wire gauge

Affected Systems:

Federal: EVS 5.2.4.0, EVS 6.0.2.0, EVS 6.0.2.1

State: EVS 5.3.4.0, EVS 5.5.0.2, EVS 6.0.1.0, FL EVS 4.5.3.0 Ver 2

Supporting Documentation:

ECO-1042 ORIGINAL.pdf (ES&S ECO)

NCEE Hardware Report.pdf

ES&S Test Case and Results: ECO 991 - ACCAF14 - DS200 - TestRail.pdf, ECO 991 Ballot Count by run.pdf, ECO 991 DS200 Expected Results.pdf

NTS Final Hardware Reports: ETR-PR087993 Rev 2.pdf, Formal Report PR088088 Rev 2.pdf, ITR-PR087993 Rev 3.pdf

Engineering Recommendation:

Technical documentation review of all supporting documentation performed to approve change. Hardware and functional testing was determined sufficient to verify modifications did not adversely impact system. No additional testing is required.

Engineering Analysis: De Minimis

Reviewer:

Wendy Owens
Printed Name

Wendy Owens
Signature

9/11/19
Date

Approver:

Michael H. Walker
Printed Name

Michael H. Walker
Signature

9/11/19
Date