

**ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM****Manufacturer:** Election Systems & Software (ES&S)**System:** DS850**ECO Number:** 1110**ECO Description:** Add Alternate Manufacturer**Overview:**

This ECO documents adding an alternate manufacturer as a second source for a camera cable on the DS850. This allows for replacing the cable with either source as needed for repair.

Systems Affected:

Federal: EVS 5000, EVS 5010, EVS 5200, EVS 5203, EVS 5204, EVS 5210, EVS 5211, EVS 5220, EVS 5230, EVS 5240, EVS 5400, EVS 5410, EVS 6000, EVS 6020, EVS 6021, EVS 6030, EVS 6040, EVS 6043, EVS 6100, EVS 6110, Unity 3400, EVS 3410, EVS 3414

State: EVS 6100, EVS 5110, EVS 5241, EVS 5300, EVS 5303, EVS 5310, EVS 5320, EVS 5321, EVS 5330, EVS 5340, EVS 5341, EVS 5501, EVS 5502, EVS 5602, EVS 6010, EVS 6041, EVS 6042, EVS 6050, EVS 6051, Unity 3301, Unity 3401, Unity 3411, FL EVS 4530 Ver 2, FL EVS 4520 Ver 1, FL EVS 6101

Note: DS850,CABLE,CAT7 W/EMV SHIELD, Supplier remains DATAWIN. Add Supplier part number 08.A83.60055 to Approved Part List

Supporting Documentation:ECO-1110_A.pdf (*ES&S ECO*)ECO 1110 TEST CASE.pdf (*ES&S Test Case: DS850 Second Source Camera Data Cable*)

210322_DS850_A83_cables.pdf

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LANcable.pdf

Engineering Recommendation:

Review of supporting documentation performed to approve change. Results of testing conducted by ES&S determined the DS850 processed 60k ballots with no issues noted. Additionally, as part of a state testing effort, Pro V&V conducted hardware testing on the DS950, which contains cables with the same cordage and connector ends. Based on successful testing, Pro V&V determines the modification should not adversely affect system reliability, functionality, capability, or operation; therefore, the change is considered to be de minimis with no additional testing required.

Engineering Analysis: De Minimis – No additional testing**Reviewer:**

Wendy Owens

Printed Name

Signature

07/27/2021

Date

Approver:

Michael Walker

Printed Name

Signature

07/27/2021

Date