



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer: Election Systems & Software (ES&S)

System: ExpressVote Tabulator (V1.0 and V2.1)

ECO Number: 1106, Rev. A

ECO Description: Modify and existing part or assembly

Overview:

This ECO documents a modification to the ExpressVote tabulator. This modification consists of installing a strip of Laird conductive gasket onto the exit guide of the ExpressVote. The purpose of the gasket is to prevent static and suction that interferes with the free fall of the ballot into the bin.

Systems Affected:

Federal: EVS 5400, EVS 5410, EVS 6000, EVS 6020, EVS 6021, EVS 6030, EVS 6040, EVS 6043

State: EVS 5501, EVS 5502, EVS 5601, EVS 5602, EVS 6010, EVS 6042, EVS 6050, EVS 6051

Supporting Documentation:

ECO 1106 ORIGINAL.pdf (*ES&S ECO*)

ECO 1106 TEST CASE.pdf (*ES&S Test Case: ECO-1106 ExpressVote Tabulator Ballot Bin Jam Mitigation*)

ECO 1106 INSTALLATION GUIDE.pdf (*ExpressVote Kiosk Install*)

Engineering Recommendation:

Review of supporting documentation performed to approve change. Results of testing conducted by ES&S determined the modification “is effective when applied per instructions and successfully prevents the issue of ballots occasionally not dropping into the ballot bin due to tension with the rear exit of the ExpressVote.” Based on successful testing, Pro V&V determines the modification to be de minimis with no additional testing required.

Engineering Analysis: De Minimis – No additional testing

Reviewer:

Wendy Owens

Printed Name

Wendy Owens
Signature

02/09/2021

Date

Approver:

Jack Cobb

Printed Name

Jack Cobb
Signature

02/09/2021

Date