



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer: Election Systems & Software (ES&S)

System: AutoMARK Hardware Configurations 1.0, 1.1, and 1.3

ECO Number: 1115

ECO Description: Update left and right LCD hinges with increased thickness LCD panel leaf

Overview:

This ECO documents the update of the left and right LCD hinges with increased thickness LCD panel leaf. The reason for the change is to improve durability of the spare part. This part will be utilized as a field retrofit as needed to replace broken hinges.

Systems Affected:

Federal: EVS 5.2.0.0, EVS 5.2.1.0, EVS 5.2.2.0, EVS 5.2.4.0, Unity 3.0.1.0, Unity 3.0.1.1, Unity 3.4.1.0

State: EVS 5.2.0.2, EVS 5.3.1.0, EVS 5.3.2.0, EVS 5.3.4.0, EVS 5.3.4.1, EVS 5.5.0.2, EVS 5.6.0.2, FL EVS 4.5.3.0, Version 2 (Revision 3), Unity 3.3.0.1, Unity 3.4.0.1, Unity 3.4.1.1

Supporting Documentation:

- ECO-1115.pdf (*ES&S ECO*)
- J-CT-3130-00_revC.pdf (*ES&S Drawing Left Hinge Assembly*)
- J-CT-3131-00_revB.pdf (*ES&S Drawing Right Hinge Assembly*)

Engineering Recommendation:

Technical documentation review to approve change. Results of testing conducted by ES&S determined the units did not show signs of hinge deformation after installation and operation. Pro V&V determined the change should not adversely affect system reliability, functionality, capability, or operation. Based on successful test results and documentation review, Pro V&V determines the modification to be de minimis with no additional testing required.

Engineering Analysis: De Minimis – No testing required

Reviewer:

Wendy Owens

Printed Name

Wendy Owens
Signature

10/21/2021

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker
Signature

10/21/2021

Date