



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer:	Dominion Voting Systems
System:	ImageCast Evolution (ICE)
ECO Number:	100791
ECO Description:	Added new Totex ICE battery pack part number as replacements for the current Totex ICE battery pack due to new battery cell configurations being used inside the Totex battery package

Overview:

This Dominion ECO documents the proposed addition of new Totex ICE battery packs (PN U80336-4R02 and PN U80336-5R01) under DVS PN 117-000546 as replacements for the current Totex ICE battery (PN U80336), which is under DVS PN 117-001009, due to new cell configurations being used in the new Totex battery packages. Both new battery packages have successfully passed Dominion's qualification testing and provide at least two hours of battery operation as per WSG requirements.

Added: DVS PN 117-000546 BATTERY, PCOS-410A, LITHIUM ION, 14.4V, 6.7AH WITH LED STATUS AND PLASTIC CASE

Products Affected: ImageCast Evolution (ICE)

Per Dominion, this change has been tested for use with the following EAC certified Democracy Suite (D-Suite) systems: 4.14-D, 4.14-E, 5.5-B, 5.5-C, 5.5-D

Per Dominion, , this change has been tested for use with the following state certified Democracy Suite (D-Suite) systems: 5.4, 5.4-Complete, 5.5-BT, 5.5-CS, 5.5-DS, 5.10, 5.10-A, 5.15, ICE 4.14.30 (NY)

Supporting Documentation:

- ECO 100791 ICE Battery AVL.pdf (*Dominion ECO*)
- SP01024R01 - U80336 ICE Battery Spec (Previous).pdf
- Totex Battery U80336-4R02 Qualification Report V1.0.pdf
- Totex Battery U80336-5R01 Qualification Report V1.0.pdf
- U80336-4R02_Battery_Pack_Specification_Rev1A.pdf
- U80336-5R01_Battery_Pack_Specification_Rev1.pdf
- NTS Electrical Test Data Sheets.pdf

Engineering Recommendation:

Technical Documentation Review and select electrical hardware testing (Electrical Supply and Power Disturbance) on two configurations performed at National Technical Systems (NTS) and overseen by Pro V&V were all utilized to make the recommendation. Based on testing performed, Pro V&V determined the changes did not adversely affect system reliability, functionality, capability, or operation. Pro V&V recommends adding the new Totex ICE battery packs as replacements components, as it was verified the replacement components are comparable to current component in form fit, and function.

Pro V&V also verified each new battery pack had its own unique Dominion Part Number.

This recommendation is based on: (1) no updates or impacts to software versions, (2) no new components being introduced, and (3) no changes are being introduced that have a reasonable or identifiable potential to impact the system's performance and compliance with the applicable voting standard.

Engineering Analysis: De Minimis – No Additional Testing Required

Reviewer:

Wendy Owens

Printed Name

Wendy Owens
Signature

09/08/2022

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker
Signature

09/08/2022

Date