



ENGINEER CHANGE ORDER (ECO)/ENGINEERING CHANGE NOTICE (ECN) ANALYSIS FORM

Manufacturer:	MicroVote
System:	MicroVote EMS V4.41
ECO/ECN Number:	138
ECO/ECN Description:	Add replacement laptop Dell Latitude 3540

Overview:

This ECO documents the addition of a replacement laptop to EMS V4.41. Previously certified EMS V4.41 laptops, including Dell Latitude 3520, are end-of-life. Dell Latitude 3540 is the next model to replace previous models. Latitude 3540 passed the MicroVote-executed end-to-end test case.

Systems Affected:
EMS V4.41

Supporting Documentation:

ECN 138 - Replacement Dell Latitude 3540 laptop for EMS V4.41 system (*MicroVote ECN*)
ECN 138 - DO1.4TDP-A-EMS44-C01-E (*MicroVote test execution plan and results*)
ECN 138 – De minimis justification (*MicroVote ECN Supplemental document*)

Engineering Recommendation:

Based on successful technical documentation review, Pro V&V determines the submitted modification does not adversely impact the functionality, performance, accessibility, usability, safety, or security of the components or system or alter the overall configuration of the certified systems. Replacement component is comparable in form, fit, and function to current model. No change to firmware/software is required. MicroVote conducted full end-to-end testing on the laptop model and has confirmed system compatibility.

No testing required.

Engineering Analysis: De Minimis – No testing required

Reviewer:

Wendy Owens

Printed Name

Wendy Owens
Signature

11/22/2023

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker
Signature

11/22/23

Date