



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

Manufacturer: MicroVote

System: MicroVote EMS (All-In-One Voting Station booth)

ECO Number: 137

ECO Description: Modification to replace the metal ADA coupler with a shielded plastic coupler (Part Number RJ45M25Z0-6A) for use with the All-In-One Voting Station booth

Overview:

This engineering change notice is to replace the metal ADA RJ45 coupler housing mounted on the All-In-One Voting Station booth with a shielded plastic RJ45 coupler housing (Part Number RJ45M25Z0-6A) to eliminate susceptibility to electrostatic disruption. The coupler and molded mounting plate will be attached to the booth using three machine screws with Loctite on the threads to secure the plate during transport and storage. The coupler provides a convenient way to attach a DoubleTalk text-to-speech reader or tally tape printer to the VVPAT or Infinity panel. Per MicroVote, the modification is compatible with all system hardware and software.

Products Affected: All-In-One Voting Station Booth

Supporting Documentation:

ECN 137 - Plastic shielded ADA coupler for All-In-One Voting Station Booth (*MicroVote ECO*)

RJ45M25Z0-6A (*Plastic Coupler Specifications*)

Plastic Coupler.jpg (*Photograph of plastic coupler*)

ECN 137 - De minimis justification (*MicroVote ECN supplemental document*)

Engineering Recommendation:

Technical Documentation Review completed for recommendation. No changes were made to system firmware/software or documentation. Due to the change in material from metal to plastic, Pro V&V determined the susceptibility to electrostatic disruption on the coupler housing was no longer an issue.

Pro V&V determines the submitted modification does not negatively impact the functionality, performance, accessibility, usability, safety, or security of the components or system or alter the overall configuration of the certified systems.

Pro V&V recommends the modification be considered a minor change with no additional testing required.

Engineering Analysis: Minor – No Testing Required

Reviewer:

Wendy Owens

Printed Name

Wendy Owens

Signature

03/24/2023

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker

Signature

03/24/2023

Date