

ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer:	MicroVote
System:	MicroVote EMS V4.4-IN and V4.41 VVSG V1.0 Systems
ECO Number:	132
ECO Description:	Modification to EMS V4.4-IN and V4.41 VVSG V1.0 compliant voting systems to add plastic VVPAT paper roll retaining clips to the certified system configuration for the VVPAT printer.

Overview:

This ECO documents evaluation of a request to add plastic VVPAT paper roll retaining clips to the EMS V4.4-IN and V4.41 VVSG V1.0 certified system configurations for the VVPAT printer.

MicroVote will add two plastic VVPAT paper roll retaining clips to positively secure the paper feeder roll in the spindle channel to assure correct alignment within the channel during transport, setup and use of the VVPAT printer. This eliminates any potential paper jams caused by channel interference with a crooked paper roll spindle. The retaining clips slide into each channel to secure the plastic 1" inch spindle which is now held in place by gravity within an indent in the back of each channel. The retaining clips are held securely in place by the VVPAT print bed when closed.

Supporting Documentation:

ECN 132- Minor Modification for VVPAT Roll Retainers - EMS V4.4-IN and V4.41 system.pdf (MicroVote ECN)

DO1.0TDP-A-EMS44-E07-E.docx (*MicroVote test case and results*)

Retainer Clips-Angle.jpg (*Photo of clips*)

DO1.0InstallingVVPATPaperRollRetainingClips.pdf (Clip installation instructions)

400102-4012.pdf (*Updated drawing*)

Engineering Recommendation:

Technical documentation review performed to determine disposition. The addition of the clips should not adversely impact system performance or interfere with the previously certified configurations. No change to firmware/software is required.

No testing required.

Engineering Analysis: De Minimis – No testing required		
Reviewer:	Approver:	
Wendy Owens	Michael L. Walker	
Printed Name	Printed Name	
Wendy Owens Signature	Michael L. Walker	
Signature	Signature	
03/11/2021	03/11/2021	
Date	Date	