



**ENGINEER CHANGE ORDER (ECO)/ENGINEERING CHANGE
REQUEST (ECR) ANALYSIS FORM**

Manufacturer: Clear Ballot Group (CBG)

System: ClearVote 2.5

ECR Number: ECO-CBG-CV25-9 ClearCast Go Ultrasonic Sensor

ECR Description: This change enables the ClearCast Go software to utilize the status output of the existing Ultrasonic Sensor (USS)

Overview:

This ECO documents a change order request to enable the ClearCast Go software to utilize the status output of the existing Ultrasonic Sensor (USS), a hardware component already included in the certified ClearVote 2.5 voting system. Clear Ballot Group requests engineering change order (ECO) approval to enable the USS so the feature can be used during the November 2026 General Election and thereafter by counties wishing to change their rule. This change affects the following certified system(s): EAC - ClearVote 2.5

Supporting Documentation:

ECO-CBG-CV25-9 Cover Letter PVV (*CBG ECO Cover Letter*)
 ECO-CBG-CV25-9 ECR (*Engineering Change Request Form*)
 ECO-CBG-CV25-9 How to enable CCG USS (*VSTL Instructions*)
 Cuyahoga CBG Sensor 7.30.26 (*Letter to EAC from Cuyahoga County BOE*)
 104025-0010-H_CCGo_BallotBox (ATA) (*Ballot Box Datasheet*)

Engineering Recommendation:

Reviewed submitted supporting technical documentation and performed regression verification testing to determine disposition. Testing consisted of following the provided instructions to enable the feature, loading an election, and conducting voting sessions with and without multi-feed attempts. In all sessions, the system performed as expected. Based on successful Regression testing, Pro V&V determined enabling the USS so the feature can be used does not adversely impact system reliability, functionality, capability, safety, security, or operation. No change to firmware/software is required. Pro V&V recommends the ECO be approved for use with the ClearVote 2.5 system with no additional testing required.

Per the submitted documentation, this change has no impact on the certified hardware configuration, system safety, electromagnetic compatibility, or normal operation of the voting system. It does not affect election officials or require changes to existing election procedures. The only operational change is that a voter attempting to insert multiple ballot sheets simultaneously will be prevented from doing so in counties that have implemented this change.

Pro V&V evaluated this ECO under Section 3.3.4 Jurisdictional Rule Change of the Voting System Testing and Certification VVSG Lifecycle Policy.

Engineering Analysis: Minor Change – No testing required

Reviewer:

Printed Name

Wendy Owens

Signature

Date

Approver:

Printed Name

Michael L. Walker

Signature

Date