



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

Manufacturer: Clear Ballot Group (CBG)

System: ClearVote 2.2, 2.3, and 2.4

ECR Number: COTS-172

ECR Description: Upgraded ClearVote Rolling Case Casters.

Overview:

This change request documents a minor engineering change request to upgrade the casters currently used on ClearVote rolling cases in multiple ClearVote systems. The nature of the change request is to enhance caster durability and ease of locking/unlocking the casters. Clear Ballot Group requests de minimis engineering change order (ECO) approval to add to add the upgraded casters for CBG clients affected in the following states: KS, NY, OH, OR, PA, and WI. This change affects the following certified systems:

ClearVote 2.2 (ClearCast Go)

ClearVote 2.3 (ClearCast Go & ClearAccess)

ClearVote 2.4 (ClearCast Go & ClearMark)

Current caster model: Industrial Casters & Equipment, Part Number T3TP35GI4411YY

Replacement caster model: P&H Casters, Part Number Z26P274NEKIL, Rev. A

Supporting Documentation:

Pro V&V Cover Letter (Minor Change) COTS-172 (*CBG ECR Cover Letter*)

COTS-172 ECO Minor Change Request (Upgrade Rolling Case Casters) (*ECR Request Form*)

T3TP35GI4411YY (predecessor caster) (*Current Component Specifications*)

Z26P274NEKIL (successor caster) (*Replacement Component Specifications*)

Engineering Recommendation:

Reviewed submitted supporting technical documentation to determine disposition. Alternate component is comparable in form, fit, and function to current model. Use of new component should not adversely impact system reliability, functionality, capability, safety, security, or operation. CBG has stated the change will have no impact on election officials or existing supporting documentation. CBG does not anticipate retrofitting of fielded systems; however, this could be a possibility if requested by the affected state.

Pro V&V recommends the alternate component be approved for use with the ClearVote systems identified above with no testing required.

Engineering Analysis: De Minimis – No testing required

Reviewer:

Wendy Owens

Printed Name

Wendy Owens
Signature

12/6/2023

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker
Signature

12/6/2023

Date