



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

Manufacturer: Clear Ballot Group (CBG)

System: ClearVote 2.3

ECR Number: DEV-4112

ECR Description: Add a Dell OptiPlex XE4 device as a COTS ScanStation to ClearVote 2.3

Overview:

This ECO documents a minor change order request to ClearVote 2.3. The nature of the minor change request is to add a Dell OptiPlex XE4 device as a COTS ScanStation to ClearVote 2.3 due to the end of production life status for the current model (Dell Optiplex XE3). Clear Ballot Group requests de minimis engineering change order (ECO) approval to add the alternate component for the ClearVote 2.3 system. This change affects the following certified system(s): EAC - ClearVote 2.3

Current Model: Dell Optiplex XE3

Replacement Model: Dell Optiplex XE4

Supporting Documentation:

- Pro V&V Cover Letter (Minor Change) ECR #4112 (CBG ECO Cover Letter)
ECR #4112 ECO Minor Change Request (Dell OptiPlex XE4) (ECO Request Form)
OptiPlex\_XE3\_Spec\_Sheet (Current Component Specifications)
Optiplex\_XE4\_Spec\_Sheet.pdf (Replacement Component Specifications)
Optiplex 3 TER (CBG Test Execution Report)
Optiplex 3 Cases (CBG Test Cases)

Engineering Recommendation:

Reviewed submitted supporting technical documentation, including CBG Test Cases and Test Execution Report, 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. Pro V&V recommends the alternate component be approved for use with the ClearVote 2.3 system with no testing required.

CBG has determined the following documentation changes will be implemented upon EAC approval of this request: update the ClearVote 2.3 3rd party COTS product document to include the successor Dell device. For Ohio, ClearBallot will need to engage its VSTL to oversee emissions testing at an accredited hardware test lab should this successor device be offered for sale and deployment in that market.

Pro V&V evaluated this ECO under Section 3.3.3 COTS Replacement of the Voting System Testing and Certification VVSG Lifecycle Policy.

Engineering Analysis: De Minimis – No additional testing required

Reviewer:

Wendy Owens

Printed Name

Wendy Owens

Signature

04/17/2025

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker

Signature

04/17/2025

Date