



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

Manufacturer:	Clear Ballot Group (CBG)
System:	ClearVote 2.3
ECR Number:	COTS-13
ECR Description:	ClearVote Design, Count, and ScanStations End-of-Life Component

Overview:

This ECO documents a minor change order request to ClearVote 2.3. The nature of the minor change request is to add a Lenovo ThinkPad E14 device as a COTS DesignStation, CountStation, and ScanStation to ClearVote 2.3 due to the end of production life status for the current model (Dell Latitude 5521). Clear Ballot Group requests de minimis engineering change order (ECO) approval to add alternate component for CBG clients affected in the following states: KS,OH,OR,PA,WA, and WI. CBG is requesting that the Lenovo ThinkPad E14 series computer be certified for use with the ClearVote 2.3 version release. This change affects the following certified systems: EAC - ClearVote 2.3

Current Model: Dell Latitude 5521
Replacement Model: Lenovo ThinkPad E14

Supporting Documentation:

Pro V&V Cover Letter (Minor Change) COTS-13 (*CBG ECO Cover Letter*)
COTS-13 ECO Minor Change Request (Lenovo ThinkPad) (*ECO Request Form*)
Dell Latitude-5521_spec_sheet (*Current Component Specifications*)
Lenovo-ThinkPad_E14_spec_sheet (*Replacement Component Specifications*)
TER_ECO Dell Latitude 5521_v3 (*CBG Test Execution Report*)
TestCases_ECO Dell Latitude 5521_v3 (*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 approval of this request: update the ClearVote 2.3 APL to include the Lenovo ThinkPad E14 series computer and the 3rd party COTS product document library.

Engineering Analysis: De Minimis – No additional testing required**Reviewer:**

Wendy Owens

Printed Name

Wendy Owens
Signature

05/09/2023

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker
Signature

05/09/2023

Date