



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer: Election Systems & Software (ES&S)

System: Electionware

ECO Number: 1068

ECO Description: Supplemental database option for additional system security and performance.

Overview:

Provide an additional internal Postgres system logging message to enhance the security and performance of the database. This additional logging would be included within the internal Postgres logging for analytical, internal traceability and allows for further indexing for added performance.

Affected Systems:

Federal: EVS 6020, EVS 6021, EVS 6040, EVS 6100
State: EVS 6042, EVS 6050, EVS 6051, FL EVS 6101

Supporting Documentation:

ECO 1068 ORIGINAL.pdf (*ES&S ECO*)
ECO1068_InstallationInstructions.pdf (*installation instructions*)

Engineering Recommendation:

Technical documentation review and onsite verification testing performed to approve change. Testing performed on-site at the ES&S facility by Pro V&V. Testing consisted of verifying system performance prior to and immediately following upgrading per the provided instructions. It was demonstrated that the update did not adversely impact the system's operation and the condition was successfully resolved. No additional testing required.

Engineering Analysis: De Minimis

Reviewer:

Wendy Owens

Printed Name

Wendy Owens

Signature

05/20/2020

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker

Signature

05/20/2020

Date