

PRO V&V



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer: Dominion Voting Systems

System: Democracy Suite ImageCast Precinct 2

ECO Number: 100706

ECO Description: Adjusted resistor value for paper sensor LED output to improve manufacturing yield in production

Overview:

On the ICP2 Paper Sensor Board, 220 ohm resistors used to regulate the sensors light output were replaced with 180 ohm resistors to increase the light output due to some sensor LEDs not producing the required light output during manufacturing testing and thereby decreasing production yields. Adjusting the resistor value brings the LED light output within required parameters across the production lot.

Products Affected: ImageCast Precinct 2

For the PCOS-330A (DVS PN 180-000017), the Production Configuration Number will be incremented to "3".

This change will be used in the following EAC system configurations:
5.5-B, 5.5-C

This change will also be used in the following state level system configurations:
5.5-BT, 5.5-CS, 5.6-B, 5.6-C, 5.10, 5.10-A

Supporting Documentation:

ECO 100706 ICP2 Paper Sensor.pdf (*Dominion ECO*)

Engineering Recommendation:

Technical Documentation Review performed to approve change. LED light output from the paper sensor is a constant output and not an oscillating output; therefore, adjusting resistor value should not adversely impact system. No testing is required.

Engineering Analysis: De Minimis - No Testing Required

Reviewer:

Wendy Owens

Printed Name

Wendy Owens
Signature

09/24/2020

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker
Signature

09/24/2020

Date