

## Engineering Change Order

ECO# 1103

Requested by Derek Caviness

Date: 12/9/2020

Model ExpressVote

Product Line Engineer Mike Dammann

Rev: C

### Description of Change:

In layman's terms, itemize and describe what the change is. For example, "Add shim beneath the end of the USB mounting bracket."

### Reason For Change:

In layman's terms, itemize and describe the requirement that is not being met. For example, "Shim increases the engagement of the back-up USB stick."

### ECO Notes

Related ECOs, Temporary Deviations, Field Retrofit, etc.

### Certification Impact

Impact on hardware configuration, list of tests performed, recommended federal cert strategy, approach to state cert (N.E.W.S).

1. Update V2.1 CMOS battery

1. Extend time between maintenance events

ECO Category: Design in a completely new part

1. Related ECOs: N/A

2. Temporary Deviations (in-process Production): N/A

3. Field Retrofit: Solution is backward compatible with current CMOS battery

4. Mod to the Mfg Prep Prcs or QC Checklist required? ☒ Yes ☐ No List:

5. Internal Retrofit (Cert & Training Equipment): HW Engineering will update internal units

1. Hardware Configuration: 2.1

2. Internal Testing Performed: Test for battery continuity on IOB and verify current draw. Hardware testing has been performed at lab via EVS6060 testing.

3. Submit to VSTL: ☒ Yes ☐ No

4. Affected Systems:

Federal: EVS 5240, EVS 5400, EVS 5410, EVS 6000, EVS 6020, EVS 6021, EVS 6030, EVS 6040, EVS 6043, EVS 6100, EVS 6110

State: EVS 5241, EVS 5300, EVS 5303, EVS 5310, EVS 5320, EVS 5321, EVS 5330, EVS 5340, EVS 5341, EVS 5501, EVS 5502, EVS 6010, EVS 6042, EVS 6050

5. Federal Cert Strategy: Click here to enter text.

6. State Cert Strategy: Click here to enter text.

Test to: ☒ 1.0 VVSG Standards

MATERIALS MANAGMENT: Stan Allen

DATE: 12/10/2020

MANUFACTURING: Lee McDermott

DATE: 12/10/2020

QUALITY ASSURANCE: Jason Galley

DATE: 12/10/2020

## Engineering Change Order

### Part Specific Changes:

### PLM Documentation & Supplier Production

### ES&S Bin Number & Omaha Inventory

Include order qty and re-buy levels for new parts.

**Notify order entry as applicable.**

#### REVISED PARTS

Include the part number, title, and brief description of the change. In addition, provide direction on **what should be done with existing material, what locations are affected by this change, and what is the new part revision**

01-098-00052 - ASSY Final M217 NxtGn ExpressVote, Rev goes to S

01-097-00323 - ASSY MECH M217 IOB With SBC Installed, Rev goes to F, Update current production  
FN4: Change 01-290-00055 PS Battery Li-Ion CR2032 3V 225mAh Coin 20MM → 01-290-00096 PS Battery Li-Ion 3V 1500mAh CR123A

98-00052 - EXPRESSVOTE, Unit v2.1, Update qty 13500 units during fulfillment process

Not stocked

96-00266 – Swap out current CR2032 with new extended life battery assembly, currently qty 0 in inventory

#### OBSOLETE PARTS

Include the part number, title, and disposition

[Click here to enter text.](#)

N/A

#### NEW PARTS

Include the part number, title, who is procuring the part.

01-290-00096 – ASSY, Battery, CMOS, ExpressVote, Extended Life, replaces 01-290-00055 for ExpressVote 2.1

290-00096 – ASSY, Battery, CMOS, ExpressVote, Extended Life, ES&S to order qty 85000 for field updates. (69000 field + 13500 in stock + 604 on water)

017-10025-00 – Label, ECO-1103 applied, include year on label print

#### DRAWING CORRECTIONS

Drawing changes that are not related to any part changes listed above.

[Click here to enter text.](#)

50-10026-00 – ExpressVote Extended Life CMOS Battery Installation and Mounting

#### QUALITY

Jason Galley

☒ Approve ☐ Ignore

#### FIELD SERVICES

Al Moraczewski

☒ Approve ☐ Ignore

#### FULFILLMENT

Lee McDermott

☒ Approve ☐ Ignore

#### PRODUCT MANAGEMENT

Dean Baumert

☒ Approve ☐ Ignore

#### CERTIFICATION

Sue McKay

☒ Approve ☐ Ignore

#### MATERIAL MANAGEMENT

Stan Allen

☒ Approve ☐ Ignore

#### SUSTAINING ENGINEERING

Derek Caviness

☒ Approve ☐ Ignore

#### PRODUCT LINE ENGINEER

Mike Dammann

☒ Approve ☐ Ignore

#### Dir. of Hardware Engineering

Kevin Liesner

☒ Approve ☐ Ignore