

**PRO V&V**



**ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM**

<b>Manufacturer:</b>	Election Systems & Software (ES&S)
<b>System:</b>	DS200, Hardware 1.3.10.0
<b>ECO Number:</b>	983
<b>ECO Description:</b>	Modified DS 200 housing to add texture free areas across exterior housing seams for security seals

**Overview:**

Texture free areas were added to the DS200 across exterior housing seams for security seals.

Systems Affected:

EVS 5000, EVS 5010, EVS 5200, EVS 5203, EVS 5204, EVS 5210, EVS 5211, EVS 5220, EVS 5230, EVS 5240, EVS 5400, EVS 5410, EVS 6000

Federal: EVS 5000, EVS 5010, EVS 5200, EVS 5203, EVS 5204, EVS 5210, EVS 5211, EVS 5220, EVS 5230, EVS 5240, EVS 5400, EVS 5410, EVS 6000

State: FL EVS 4500 Ver. 4, FL EVS 4520, FL EVS 4530 Ver. 1, EVS 5002, EVS 5003 Rev. 1, EVS 5004, EVS 5100, EVS 5110, EVS 5201, EVS 5202, EVS 5300, EVS 5303, EVS 5310, EVS 5320, EVS 5321, EVS 5330, EVS 5340, EVS 5501, EVS 5502, EVS 5601, EVS 5602, EVS 6010, IL EVS 5300

**Supporting Documentation:**

ECO-983 Signed.pdf

**Engineering Recommendation:**

Technical documentation review performed to approve change. Per ES&S, DS 200 housings can be retrofit in the field as required. Pro V&V determined that the modification will not adversely affect any system functions. No form changes should affect part fit. No additional testing required.

**Engineering Analysis:** De Minimis

**Reviewer:**

Wendy Owens

Printed Name

Wendy Owens

Signature

12/12/18

Date

**Approver:**

Michael L. Walker

Printed Name

Michael L. Walker

Signature

12/12/18

Date

# Engineering Change Order

ECO# 983  
 Model DS200

Requested by Kevin Liesner  
 Product Line Engineer Derek Caviness

Date: 7/9/2018  
 Rev: A

**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."

1. Add texture free areas across exterior housing seams for security seals.

**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."

1. Additional security is becoming a market expectation, beginning with California.

ECO Category: Modify an Existing Part or Assembly

**ECO Notes**

Related ECOs, Temporary Deviations, Field Retrofit, etc.

- 1. Related ECOs: N/A
- 2. Temporary Deviations (in-process Production): N/A
- 3. Field Retrofit: Housings can be retrofit in the field as required  Yes  No List: \_\_\_\_\_
- 4. Mod to the Mfg Prep Prcs or QC Checklist required?  Yes  No List: \_\_\_\_\_
- 5. Internal Retrofit (Cert & Training Equipment): HW Engineering to update Cert, QA and Training units

**Certification Impact**

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

- 1. Hardware Configuration: 1.3.10.0
  - 2. Internal Testing Performed: Material will be tested for form/function when samples arrive week 2, October 2018. No form changes should affect part fit.
  - 3. Submit to VSTL:  Yes  No
  - 4. Affected Systems: EVS5000, EV5010, EVS5200, 5203, 5204, 5210, 5211, 5220, 5230, 5240, 5400, 5410, 6000  
 Federal: EVS 5000, EVS 5010, EVS 5200, EVS 5203, EVS 5204, EVS 5210, EVS 5211, EVS 5220, EVS 5230, EVS 5240, EVS 5400, EVS 5410, EVS 6000  
 State: FL EVS 4500 Ver 4, FL EVS 4520, FL EVS 4530 Ver 1, EVS 5002, EVS 5003 Rev 1, EVS 5004, EVS 5100, EVS 5110, EVS 5201, EVS 5202, EVS 5300, EVS 5303, EVS 5310, EVS 5320, EVS 5321, EVS 5330, EVS 5340, EVS 5501, EVS 5502, EVS 5601, EVS 5602, EVS 6010, IL EVS 5300
  - 5. Federal Cert Strategy: Click here to enter text.
  - 6. State Cert Strategy: Click here to enter text.
- Test to: V1.0 VVSG Standards

MATERIALS MANAGEMENT: -  
 DATE: 10-10-18

MANUFACTURING: -  
 DATE: 10/10/2018

QUALITY ASSURANCE: -  
 DATE: 10/10/2018

## Engineering Change Order

**Part Specific Changes:**

**PLM Documentation & Pivot 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

- 01-098-00041- ASSY Final DS200 Hardware Revision 1.3: Add texture free areas to the plastic parts (config change FNs 7, 8, 10, 14, 15, and 45), Break-in change as part of production build 1.3.10, Rev goes to P
- 01-097-00272 - ASSY MECH DS200 Display LCD/TS: Add texture free areas (config change FNs 1 & 3), Balance change w/ bottom housing (59-00353), Rev goes to F.
- 01-059-00026 - HSG DS200 LCD BEZEL PC/ABS: Add texture free areas, Balance change w/ bottom housing (59-00353), Rev goes to D.
- 01-059-00028 - CVR DS200 LCD PC/ABS: Add texture free areas, Balance change w/ bottom housing (59-00353), Rev goes to F.
- 01-059-00029 - CVR DS200 FRONT PC/ABS: Add texture free areas, Balance change w/ bottom housing (59-00353), Rev goes to G.
- 01-059-00030 - CVR DS200 SWITCH DOOR PC/ABS: Add texture free areas, Balance change w/ bottom housing (59-00353), Rev goes to C.
- 01-059-00034 - CVR DS200 PEB DOOR PC/ABS: Add texture free areas, Balance change w/ bottom housing (59-00353), Rev goes to D.
- 01-059-00353 - HSG DS200 BOTTOM PC/ABS: Add texture free areas, Use up existing, Rev goes to D.
- 01-059-00524 - CVR DS200 REAR w/BATT Hole EMI Coating PC/ABS: Add texture free areas, Balance change w/ bottom housing (59-00353), Rev goes to B.

**OBSOLETE PARTS**

Include the part number, title, and disposition

Click here to enter text.

**NEW PARTS**

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

Click here to enter text.

<p>67500 - DS200(i) Digital Precinct Scanner Paper Tabulator V1.3</p> <p>59-00029 - DS2,Cover,Front (47 in stock)</p> <p>59-00030 - DS2,Door,Switch (597 in stock)</p> <p>59-00034 - DS2,Door,PEB (693 in stock)</p> <p>59-00353-02 -DS2,Base Plastic, 1,3,No Feet (19 in stock)</p> <p>59-00524-01 - DS2,Top Rear Housing (0 in stock)</p>	<p>2316 - DS2,COVER,FRONT, use up stock</p> <p>2244 - DS2,DOOR,SWITCH, use up stock</p> <p>2295 - DS2,DOOR,PEB, use up stock</p> <p>59-00353-01 - DS2,BASE PLASTIC,1,3,NO FEET, use up stock</p> <p>59-00524 - DS2,TOP REAR HOUSING w/EMI, use up stock</p> <p>59-00029 - DS2,Cover,Front, ES&amp;S procures</p> <p>59-00030 - DS2,Door,Switch ES&amp;S procures</p> <p>59-00034 - DS2,Door,PEB ES&amp;S procures</p> <p>59-00353-02 -DS2,Base Plastic, 1,3,No Feet, ES&amp;S procures</p> <p>59-00524-01 - DS2,Top Rear Housing, ES&amp;S procures</p>
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## Engineering Change Order

### DRAWING CORRECTIONS

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

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<b>QUALITY</b> <i>Vince Wingate</i> <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Ignore	<b>FIELD SERVICES</b> <i>Al Moraczewski</i> <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Ignore	<b>FULFILLMENT</b> <i>Lee McDermott</i> <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Ignore
<b>PRODUCT MANAGEMENT</b> <i>Mike Dvorak</i> <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Ignore	<b>CERTIFICATION</b> <i>Sue McKay</i> <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Ignore	<b>MATERIAL MANAGEMENT</b> <i>Stan Allen</i> <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Ignore
<b>SUSTAINING ENGINEERING</b> <i>Derek Caviness</i> <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Ignore	<b>PRODUCT LINE ENGINEER</b> <i>Derek Caviness</i> <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Ignore	<b>Dir. of Hardware Engineering</b> <i>Kevin Liesner</i> <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Ignore