ATTACHMENT A

NOTICES OF ANOMALY

wyle laboratories

ORIGINAL

**NOTICE OF ANOMALY** | DATE: 07/11/2013

NOTICE NO: 1 P.O. NUMBER: ES&S-MSA-TA029 CONTRACT NO: N/A
CUSTOMER: ES&S WYLE JOB NO: T71013.01
NOTIFICATION MADE TO: Paul Huffman NOTIFICATION DATE: 07/11/2013
NOTIFICATION MADE BY: Ryan Chambers VIA: In person

CATEGORY: [X] SPECIMEN [ ] PROCEDURE [] TEST EQUIPMENT DATE OF ANOMALY: 07/11/2013
PART NAME: DS200 PART NO. DS200
TEST: Lightning Surge Test (LST) I.D. NO. DS0313350009
SPECIFICATION: VVSG Volume I
PARA. NO. Section 4.1.2.7

**REQUIREMENTS: 2005 VVSG Volume I: Section 4.1.2.4**

Vote scanning and counting equipment for paper-based systems, and all DRE equipment shall be able to withstand, without disruption of normal operation or loss of data, surges of:

a. +2 kV AC line to line
b. +2 kV AC line to earth
*c. + or – 0.5 kV DC line to line >10m
*d. + or – 0.5 kV DC line to earth >10m
*e. +1 kV I/O sig/control >30m

*Indicates requirements that do not apply to the Unit Under Test (UUT), due to the fact that UUT does not contain DC lines in excess of 10 Meters, nor does it contain any I/O lines greater than 30 meters.

**DESCRIPTION OF ANOMALY:**

After the being subjected to the Lightning Surge Test (LST) being performed on July 11, 2013 the AC Power Adapter ceased to function and as a result, the DS200 suffered a disruption of normal operation. The AC Power Adapter ceased to function, during application of 2 kV. The failure occurred at pulse 3 of 7 Sync: 0°/60Hz between the Path L1--N. Photographs were taken of the testing site.

Component Description: AC Power Adapter
Manufacturer: Power-Win Technology Corp.
Model: PW-080A2-1Y24AP

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wyle laboratories

## NOTICE OF ANOMALY

**DISPOSITION • COMMENTS • RECOMMENDATIONS:**
The final disposition is pending a root cause analysis to be presented by the client.

Potential 10 CFR Part 21 ☐ YES ☒ NO

**RESPONSIBILITY TO ANALYZE ANOMALIES AND COMPLY WITH 10 CFR PART 21:** ☒ CUSTOMER ☐ WYLE

CAR Required: ☐ YES ☒ NO CAR No.

**VERIFICATION:**

**TEST WITNESS:** 7/17/13

**REPRESENTING:** ES&S

**QUALITY ASSURANCE:** 7/17/13

**PROJECT ENGINEER:** 7/17/13

**PROJECT MANAGER:** 07/17/13

**INTERDEPARTMENTAL COORDINATION:** N/A

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## Field Issue Resolution Process

| | | | |
|---|---|---|---|
| Date Reported | | | 7/11/2013 |
| Report Date | | | 9/6/2013 |
| Who is Reporting the Issue? | | | Ryan Chambers |
| Brief Description of the Issue | | | Power supply damaged during test (NOA #1 & #2) |
| Supplemental Information | What location is reporting the issue? | | Wyle Labs |
| | Equipment Affected (Model & Hdw Rev) | | DS200_1.3 |
| | What Version of Software are They Running | | FLEVS4500 |
| | Has this Issue Been Confirmed or Duplicated | | Yes |
| | By Who | | Paul Huffman |
| | How | | Lightning Surge Test |

*Implement Action Plan*

| | | | |
|---|---|---|---|
| 1. Assign Field Issue Tracking Number | | | |
| 2. Notify Reg Acct Mgr, Cust Svc Mgr, Cert | | | Joe McKay, |
| 3. Assess Warehouse Inventory as required | | | na |
| 4. Categorize Issue | Software | Notify Dir | na |
| | | Submit ROI | na |
| | Hardware | Notify Dir | |
| | | Identify Product Line Manager | Paul Huffman |
| | | Is situation trivial? | NO |
| 5.Conference Call Date:_____ | What are the customer expectations? | Short Term | na |
| | | Long Term | |
| | Immediate customer action | | |
| | Is info gathered sufficient to resolve? | | |
| | Engineering site visit required? | | Yes |
| | Arrange returns of equipment? | | no |
| 6.Find Root Cause | Workmanship? ___<br>Wear/Handling? ___<br>Design? ___<br>Other? _Faulty Capacitor_____ | How to fix? | Add Tripp-Lite Spike Cube |
| | | What prevents future occurrences? | Add to QC checklist |
| 7. Confirm Solution | | Describe how fix was verified. | Retest at Wyle was successful |
| | | How does this solution impact the certified configuration? | Official testing already complete |
| | | What additional customer testing required? | na |

wyle laboratories

| NOTICE OF ANOMALY | DATE: 07/12/2013 |
|---|---|

NOTICE NO: 2 P.O. NUMBER: ES&S-MSA-TA029 CONTRACT NO: N/A
CUSTOMER: ES&S WYLE JOB NO: T71013.01
NOTIFICATION MADE TO: Paul Huffman NOTIFICATION DATE: 07/12/2013
NOTIFICATION MADE BY: Ryan Chambers VIA: In person

CATEGORY: [X] SPECIMEN [ ] PROCEDURE [] TEST EQUIPMENT DATE OF ANOMALY: 07/12/2013
PART NAME: DS200 PART NO. DS200
TEST: Lightning Surge Test (LST) I.D. NO. DS0313350009
SPECIFICATION: VVSG Volume I
PARA. NO. Section 4.1.2.7

**REQUIREMENTS: 2005 VVSG Volume I: Section 4.1.2.4**

Vote scanning and counting equipment for paper-based systems, and all DRE equipment shall be able to withstand, without disruption of normal operation or loss of data, surges of:

a. +2 kV AC line to line
b. +2 kV AC line to earth
*c. + or – 0.5 kV DC line to line >10m
*d. + or – 0.5 kV DC line to earth >10m
*e. +1 kV I/O sig/control >30m

*Indicates requirements that do not apply to the Unit Under Test (UUT), due to the fact that UUT does not contain DC lines in excess of 10 Meters, nor does it contain any I/O lines greater than 30 meters.

**DESCRIPTION OF ANOMALY:**

After the being subjected to the Lightning Surge Test (LST) being performed on July 12, 2013 the AC Power Adapter ceased to function and as a result, the DS200 suffered a disruption of normal operation. The AC Power Adapter ceased to function, during application of 2 kV. The failure occurred at pulse 4 of 7 Sync: 0°/60Hz between the Path L1--N. Photographs were taken of the testing site.

Component Description: AC Power Adapter
Manufacturer: Power-Win Technology Corp.
Model: PW-080A2-1Y24AP

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wyle laboratories

## NOTICE OF ANOMALY

**DISPOSITION • COMMENTS • RECOMMENDATIONS:**
The final disposition is pending a root cause analysis to be presented by the client.

Potential 10 CFR Part 21 ☐ YES ☒ NO

RESPONSIBILITY TO ANALYZE ANOMALIES AND COMPLY WITH 10 CFR PART 21: ☒ CUSTOMER ☐ WYLE

CAR Required: ☐ YES ☒ NO CAR No.

VERIFICATION:

TEST WITNESS: 7/17/13

REPRESENTING: ES&S

PROJECT ENGINEER: 7/17/13

PROJECT MANAGER: 07/17/13

INTERDEPARTMENTAL COORDINATION: N/A

QUALITY ASSURANCE: 7/17/13

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Field Issue Resolution Process

| | | | |
|---|---|---|---|
| Date Reported | | | 7/11/2013 |
| Report Date | | | 9/6/2013 |
| Who is Reporting the Issue? | | | Ryan Chambers |
| Brief Description of the Issue | | | Power supply damaged during test (NOA #1 & #2) |
| Supplemental Information | What location is reporting the issue? | | Wyle Labs |
| | Equipment Affected (Model & Hdw Rev) | | DS200_1.3 |
| | What Version of Software are They Running | | FLEVS4500 |
| | Has this Issue Been Confirmed or Duplicated | | Yes |
| | By Who | | Paul Huffman |
| | How | | Lightning Surge Test |

*Implement Action Plan*

| | | | |
|---|---|---|---|
| 1. Assign Field Issue Tracking Number | | | |
| 2. Notify Reg Acct Mgr, Cust Svc Mgr, Cert | | | Joe McKay, |
| 3. Assess Warehouse Inventory as required | | | na |
| 4. Categorize Issue | Software | Notify Dir | na |
| | | Submit ROI | na |
| | Hardware | Notify Dir | |
| | | Identify Product Line Manager | Paul Huffman |
| | | Is situation trivial? | NO |
| 5.Conference Call Date:_____ | What are the customer expectations? | Short Term | na |
| | | Long Term | |
| | Immediate customer action | | |
| | Is info gathered sufficient to resolve? | | |
| | Engineering site visit required? | | Yes |
| | Arrange returns of equipment? | | no |
| 6.Find Root Cause | Workmanship? ___ Wear/Handling? ___ Design? ___ Other? _Faulty Capacitor_____ | How to fix? | Add Tripp-Lite Spike Cube |
| | | What prevents future occurrences? | Add to QC checklist |
| 7. Confirm Solution | | Describe how fix was verified. | Retest at Wyle was successful |
| | | How does this solution impact the certified configuration? | Official testing already complete |
| | | What additional customer testing required? | na |

wyle laboratories ORIGINAL

| NOTICE OF ANOMALY | DATE: 08/28/2013 |
|---|---|
| NOTICE NO: 4 a | P.O. NUMBER: ES&S-MSA-TA029 |
| CONTRACT NO: N/A | |
| CUSTOMER: Election Systems and Software (ES&S) | WYLE JOB NO: T71013.01 |
| NOTIFICATION MADE TO: Paul Huffman | NOTIFICATION DATE: 08/13/2013 |
| NOTIFICATION MADE BY: Ryan Chambers | VIA: In person |
| CATEGORY: [x] SPECIMEN [ ] PROCEDURE [ ] TEST EQUIPMENT | DATE OF ANOMALY: 08/13/2013 |
| PART NAME: EVS 4.5.0.0 FL | PART NO. DS200 |
| TEST: Electromagnetic Susceptibility Test (EST) | I.D. NO. DS0313350009 |
| SPECIFICATION: EAC 2005 VVSG, Volume I | PARA. NO. Section 4.1.2.10 |

**REQUIREMENTS:**

Vote scanning and counting equipment for paper-based systems, and all DRE equipment, shall be able to withstand an electromagnetic field of 10 V/m modulated by a 1 kHz 80% AM modulation over the frequency range of 80 MHz to 1000 MHz, without disruption of normal operation or loss of data.

**DESCRIPTION OF ANOMALY:**

The EUT was oriented at 180 degrees, with the back of the EUT facing the Anntenna. The Anntenna was oriented in the Vertical position. Upon exposure to an electromagnetic field of 10 V/m modulated by a 1kHz 80% AM modulation over the frequency range of 80 MHz to 1000 MHz, the DS200 suffered disruption of normal operation. The shoeshine setup menu was available on the display and the shoeshine ballot was hanging from the front of the DS200 paper path.

**DISPOSITION • COMMENTS • RECOMMENDATIONS:**

The final disposition is pending a root cause analysis to be presented by ES&S.

Safety Related ☐ YES ☒ NO Potential 10 CFR Part 21 ☐ YES ☐ NO ☒ N/A

RESPONSIBILITY TO ANALYZE ANOMALIES AND COMPLY WITH 10 CFR PART 21: ☐ CUSTOMER ☐ WYLE

CAR Required: ☐ YES ☒ NO CAR No.

VERIFICATION:

TEST WITNESS: N/A

REPRESENTING: N/A

QUALITY ASSURANCE: 8/30/13

PROJECT ENGINEER: 08/30/2013

PROJECT MANAGER: 8/30/13

INTERDEPARTMENTAL COORDINATION: N/A

N/A

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## Field Issue Resolution Process

| | | |
|---|---|---|
| Date Reported | | 8/28/2013 |
| Report Date | | 9/6/2013 |
| Who is Reporting the Issue? | | Ryan Chambers |
| Brief Description of the Issue | | Show shore mode stops: [NDA #4a] |
| Supplemental Information | What location is reporting the issue? | Wyle Labs |
| | Equipment Affected (Model & Rdw Rev) | DS200, 1.5 |
| | What Version of Software are They Running | FLEV34500 |
| | Has this Issue Been Confirmed or Duplicated | Yes |
| | By Who | Paul Hoffman |
| | How | Electromagnetic Susceptibility Test |

*Implement Action Plan*

| | | | |
|---|---|---|---|
| 1. Assign Field Issue Tracking Number | | | |
| 2. Notify Reg Acct Mgr, Cust Svc Mgr, Cert | | | Sue McKay |
| 3. Assess Warehouse Inventory as required | | | na |
| 4. Categorize Issue | Software | Notify Dir | na |
| | | Submit RCR | na |
| | Hardware | Notify Dir | |
| | | Identify Product Line Manager | Paul Huffman |
| | | Is situation trivial? | no |
| 5. Conference Call Date: | What are the customer expectations? | Short Term | na |
| | | Long Term | |
| | Immediate customer action | | |
| | Is info gathered sufficient to resolve? | | |
| | Engineering site visit required? | | Yes |
| | Arrange return of equipment? | | no |
| 6. Find Root Cause | Workmanship? ___ Wear/Handling? ___ Design? ___ Other? _Faulty Capacitor_____ | How to fix? | Double wrap sensor cable ferrite near scanner board |
| | | What prevents future occurrences? | |
| 7. Confirm Solution | | Describe how fix was verified. | Retest at Wyle was successful |
| | | How does this solution impact the certified configuration? | Official testing already complete |
| | | What additional customer testing required? | |
| 8. Close Out | Release Planning | What's planned for this | Change manufacturing process document |

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| NOTICE OF ANOMALY | | DATE: 08/28/2013 |
|---|---|---|
| NOTICE NO: 5 | P.O. NUMBER: ES&S-MSA-TA029 | CONTRACT NO: N/A |
| CUSTOMER: Election Systems and Software (ES&S) | | WYLE JOB NO: T71013.01 |
| NOTIFICATION MADE TO: Paul Huffman | | NOTIFICATION DATE: 08/16/2013 |
| NOTIFICATION MADE BY: Ryan Chambers | | VIA: In person |
| CATEGORY: [x] SPECIMEN [ ] PROCEDURE [ ] TEST EQUIPMENT | | DATE OF ANOMALY: 08/16/2013 |
| PART NAME: EVS 4.5.0.0 FL | | PART NO. DS200 |
| TEST: Electromagnetic Susceptibility Test (EST) | | I.D. NO. DS0313350009 |
| SPECIFICATION: EAC 2005 VVSG, Volume I | | PARA. NO. Section 4.1.2.10 |

**REQUIREMENTS:**

Vote scanning and counting equipment for paper-based systems, and all DRE equipment, shall be able to withstand an electromagnetic field of 10 V/m modulated by a 1 kHz 80% AM modulation over the frequency range of 80 MHz to 1000 MHz, without disruption of normal operation or loss of data.

**DESCRIPTION OF ANOMALY:**

The EUT was oriented at 0 degrees, with the front of the EUT facing the Anntenna. The Anntenna was oriented in the Vertical position. Upon exposure to an electromagnetic field of 10 V/m modulated by a 1kHz 80% AM modulation over the frequency range of 80 MHz to 1000 MHz, the DS200 suffered disruption of normal operation. The following error was displayed on the DS200 "1003059: Event Log Write Failed" and the shoeshine ballot was hanging from the front of the DS200 paper path. When the EUT was unplugged from AC to be removed from the test chamber, the EUT unexpectedly shut off. The EUT would not power back on when only being supplied with DC power. When the EUT was plugged back into an AC outlet outside of the chamber, the EUT successfully powered on. After 5 minutes the plug was removed from the AC outlet, the EUT successfully switched to DC and displayed 75% power for the battery status. Within 3 minutes the EUT displayed 100% power. Within 1 minute the EUT displayed 50% power. Within 1 minute the EUT displayed 100% power.

**DISPOSITION • COMMENTS • RECOMMENDATIONS:**

The final disposition is pending a root cause analysis to be presented by ES&S.

Safety Related ☐ YES ☒ NO Potential 10 CFR Part 21 ☐ YES ☐ NO ☒ N/A

RESPONSIBILITY TO ANALYZE ANOMALIES AND COMPLY WITH 10 CFR PART 21: ☐ CUSTOMER ☐ WYLE

CAR Required: ☐ YES ☒ NO CAR No.

| | | | |
|---|---|---|---|
| VERIFICATION: | | PROJECT ENGINEER: | 08/30/2013 |
| TEST WITNESS: | N/A | PROJECT MANAGER: | 8/30/13 |
| REPRESENTING: | N/A | INTERDEPARTMENTAL COORDINATION: | N/A |
| QUALITY ASSURANCE: | 8/30/13 | | N/A |

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Field Issue Resolution Process

| | | | |
|---|---|---|---|
| Date Reported | | | 8/28/2013 |
| Report Date | | | 9/6/2013 |
| Who is Reporting the Issue? | | | Ryan Chambers |
| Brief Description of the Issue | | | Event log write failed. (NOA #6) |
| Supplemental Information | What location is reporting the issue? | | Wyle Labs |
| | Equipment Affected (Model & H/w Rev) | | DS200_1.3 |
| | What Version of Software are They Running | | FLEV34500 |
| | Has this Issue Been Confirmed or Duplicated | | Yes |
| | By Who | | Paul Huffman |
| | How | | Electromagnetic Susceptibility Test |

*Implement Action Plan*

| | | | |
|---|---|---|---|
| 1. Assign Field Issue Tracking Number | | | |
| 2. Notify Reg Acct Mgr, Cust Svc Mgr, Cert | | | Sue McKay, |
| 3. Assess Warehouse Inventory as required | | | na |
| 4. Categorize Issue | Software | Notify Dir | na |
| | | Submit RCR | na |
| | Hardware | Notify Dir | |
| | | Identify Product Line Manager | Paul Huffman |
| | | Is situation trivial? | no |
| 5 Conference Call Date: | What are the customer expectations? | Short Term | na |
| | | Long Term | |
| | Immediate customer action | | |
| | Is info gathered sufficient to resolve? | | |
| | Engineering site visit required? | | Yes |
| | Arrange return of equipment? | | no |
| 6 Find Root Cause | Workmanship? ___ Wear/Handling? ___ Design? ___ Other? _Faulty Capacitor_____ | How to fix? | Copper tape shielding of paper entry |
| | | What prevents future occurrences? | This modification will be added to the checklist to ensure application of tape |
| 7 Confirm Solution | | Describe how fix was verified. | Retest at Wyle was successful |
| | | How does this solution impact the certified configuration? | Official testing already complete |
| | | What additional customer testing required? | |
| 8 Close | Release Planning | What's planned for this | Add copper tape during manufacturing process |

wyle laboratories ORIGINAL

| NOTICE OF ANOMALY | DATE: 08/28/2013 |
|---|---|
| NOTICE NO: 6 | P.O. NUMBER: ES&S-MSA-TA029 |
| CONTRACT NO: N/A | |
| CUSTOMER: Election Systems and Software (ES&S) | WYLE JOB NO: T71013.01 |
| NOTIFICATION MADE TO: Paul Huffman | NOTIFICATION DATE: 08/19/2013 |
| NOTIFICATION MADE BY: Ryan Chambers | VIA: In person |
| CATEGORY: [x] SPECIMEN [ ] PROCEDURE [ ] TEST EQUIPMENT | DATE OF ANOMALY: 08/17/2013 |
| PART NAME: EVS 4.5.0.0 FL | PART NO. DS200 |
| TEST: Electromagnetic Susceptibility Test (EST) | I.D. NO. DS0313350009 |
| SPECIFICATION: EAC 2005 VVSG, Volume I | PARA. NO. Section 4.1.2.10 |

**REQUIREMENTS:**

Vote scanning and counting equipment for paper-based systems, and all DRE equipment, shall be able to withstand an electromagnetic field of 10 V/m modulated by a 1 kHz 80% AM modulation over the frequency range of 80 MHz to 1000 MHz, without disruption of normal operation or loss of data.

**DESCRIPTION OF ANOMALY:**

The EUT was oriented at 0 degrees, with the back of the EUT facing the Anntenna. The Anntenna was oriented in the Vertical position. Upon exposure to an electromagnetic field of 10 V/m modulated by a 1kHz 80% AM modulation over the frequency range of 80 MHz to 1000 MHz, the DS200 suffered disruption of normal operation. The shoeshine setup menu was available on the display and the shoeshine ballot was hanging from the front of the DS200 paper path. When the EUT was unplugged from AC to be removed from the test chamber for ES&S representative, the EUT unexpectedly shut off. The EUT would not power back on when only being supplied with DC power. When the EUT was plugged back into an AC outlet outside of the chamber, the EUT successfully powered on. After 5 minutes the plug was removed from the AC outlet, the EUT successfully switched to DC and displayed 75% power for the battery status.

**DISPOSITION • COMMENTS • RECOMMENDATIONS:**

The final disposition is pending a root cause analysis to be presented by ES&S.

Safety Related ☐ YES ☒ NO Potential 10 CFR Part 21 ☐ YES ☐ NO ☒ N/A

RESPONSIBILITY TO ANALYZE ANOMALIES AND COMPLY WITH 10 CFR PART 21: ☐ CUSTOMER ☐ WYLE

CAR Required: ☐ YES ☒ NO CAR No.

VERIFICATION:

PROJECT ENGINEER: 08/30/2013

TEST WITNESS: N/A

PROJECT MANAGER: 8/30/13

REPRESENTING: N/A

INTERDEPARTMENTAL COORDINATION: N/A

QUALITY ASSURANCE: 8/30/13

N/A

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Field Issue Resolution Process

| | | | |
|---|---|---|---|
| Date Reported | | | 8/28/2013 |
| Report Date | | | 9/6/2013 |
| Who is Reporting the Issue? | | | Ryan Chambers |
| Brief Description of the Issue | | | Unit shuts off when A/C removed. (NOA #6) |
| Supplemental Information | What location is reporting the issue? | | Wyle Labs |
| | Equipment Affected (Model & Hdw Rev) | | D5200 1.0 |
| | What Version of Software are They Running | | RLEV34500 |
| | Has this Issue Been Confirmed or Duplicated | | Yes |
| | By Who | | Paul Hoffman |
| | How | | Electromagnetic Susceptibility Test |

*Implement Action Plan*

| | | | |
|---|---|---|---|
| 1. Assign Field Issue Tracking Number | | | |
| 2. Notify Reg Acct Mgr, Cust Svc Mgr, Cert | | | Sue McKay, |
| 3. Assess Warehouse Inventory as required | | | na |
| 4. Categorize Issue | Software | Notify Dir | na |
| | | Submit RCR | na |
| | Hardware | Notify Dir | |
| | | Identify Product Line Manager | Paul Huffman |
| | | Is situation trivial? | yes |
| 5. Conference Call Date: | What are the customer expectations? | Short Term | na |
| | | Long Term | |
| | Immediate customer action | | |
| | Is info gathered sufficient to resolve? | | |
| | Engineering site visit required? | | Yes |
| | Arrange return of equipment? | | no |
| 6. Find Root Cause | Workmanship? ___ Wear/Handling? ___ Design? ___ Other? _Faulty Capacitor_____ | How to fix? | Replaced battery pack |
| | | What prevents future occurrences? | |
| 7. Confirm Solution | | Describe how fix was verified. | Retest at Wyle was successful |
| | | How does this solution impact the certified configuration? | Official testing already complete |
| | | What additional customer testing required? | |
| 8. Close | Release Planning | What's planned for this | |

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ORIGINAL **NOTICE OF ANOMALY** DATE: 09/16/2013

NOTICE NO: 7 (Rev A) P.O. NUMBER: ES&S-MSA-TA029 CONTRACT NO: N/A
CUSTOMER: Election Systems and Software (ES&S) WYLE JOB NO: T71013.01
NOTIFICATION MADE TO: Paul Huffman NOTIFICATION DATE: 08/20/2013
NOTIFICATION MADE BY: Ryan Chambers VIA: In person

CATEGORY: [ ] SPECIMEN [x] PROCEDURE [ ] TEST EQUIPMENT DATE OF ANOMALY: 08/20/2013
PART NAME: EVS 4.5.0.0 FL PART NO. ---
TEST: Low Temperature I.D. NO. DS0313350009
SPECIFICATION: EAC 2005 VVSG, Volume II PARA. NO. Section 4.6.4

**REQUIREMENTS:**

The low temperature test simulates stresses faced during storage of voting machines and ballot counters. All system components, regardless of type, shall meet the requirements of this test. This test is equivalent to the procedure of MIL-STD-810D, Method 502.2, Procedure I-Storage. The minimum temperature shall be -4 degrees F. As outlined in the VVSG 4.6.4.2 Procedure, the following procedure is identified in Step 5: Allow the internal temperature of the equipment to stabilize at laboratory conditions before removing it from the chamber.

**DESCRIPTION OF ANOMALY:**

The technician removed the EUT from the environmental chamber approximately 1 hour after the interal temperature of the thermal chamber was returned to standard laboratory conditions. The technician did not allow the internal temperature of the equipment to stabilize at laboratory conditions before removing it from the chamber. As a result the accumulated moisture on the circuit board of the scanner assembly module caused a short circuit when the EUT was powered on. This anomaly was directly caused by human error in following the VVSG standard and the Wyle Operating Procedures.

**DISPOSITION • COMMENTS • RECOMMENDATIONS:**

The final disposition was to council and retrain all of the Wyle technicians on the associated Wyle Operating Procedure.

Safety Related ☐ YES ☒ NO Potential 10 CFR Part 21 ☐ YES ☐ NO ☒ N/A
RESPONSIBILITY TO ANALYZE ANOMALIES AND COMPLY WITH 10 CFR PART 21: ☐ CUSTOMER ☐ WYLE
CAR Required: ☐ YES ☒ NO CAR No.

VERIFICATION:
TEST WITNESS: N/A PROJECT ENGINEER: 09/16/2013
REPRESENTING: N/A PROJECT MANAGER: 9/12/13
QUALITY ASSURANCE: INTERDEPARTMENTAL COORDINATION: N/A
N/A

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wyle laboratories ORIGINAL

| NOTICE OF ANOMALY | | DATE: 08/30/2013 |
|---|---|---|
| NOTICE NO: 8 | P.O. NUMBER: ES&S-MSA-TA029 | CONTRACT NO: N/A |
| CUSTOMER: Election Systems and Software (ES&S) | | WYLE JOB NO: T71013.01 |
| NOTIFICATION MADE TO: Paul Huffman | | NOTIFICATION DATE: 07/31/2013 |
| NOTIFICATION MADE BY: Ryan Chambers | | VIA: In person |
| CATEGORY: [x] SPECIMEN [ ] PROCEDURE [ ] TEST EQUIPMENT | | DATE OF ANOMALY: 07/31/2013 |
| PART NAME: EVS 4.5.0.0 FL | | PART NO. --- |
| TEST: Electrostatic Disruption (ESD) | | I.D. NO. DS0313350009 |
| SPECIFICATION: EAC 2005 VVSG, Volume I | | PARA. NO. Section 4.1.2.8 |

**REQUIREMENTS:**

Vote scanning and counting equipment for paper-based systems, and all DRE equipment, shall be able to withstand ±15 kV air discharge and ±8 kV contact discharge without damage or loss of data. The equipment may reset or have momentary interruption so long as normal operation is resumed without human intervention or loss of data. Loss of data means votes that have been completed and confirmed to the voter.

**DESCRIPTION OF ANOMALY:**

Upon application of +15 kV air discharge to the top-right corner of the black plastic ballot tray cover, located closest to the front right of the DS200 screen. It was observed that the DS200 had become completely unresponsive and required human intervention, by means of a system reboot, to regain normal operation of the DS200. A clicking sound was observed during operation of the EUT, thus the shoeshine ballot was replaced with a new ballot and the clicking sound was resolved. After rebooting the EUT, the same test point was subjected to ±2,4,8,15 kV air discharge, at which time the EUT continued normal operation throughout the remainder of the test.

**DISPOSITION • COMMENTS • RECOMMENDATIONS:**

To ensure testing results where accumulated in accordance with the VVSG, the Electrostatic Disruption (ESD) was reperformed on 08/29/2013, for which there were no anomalies.
The final disposition is that the original observance could not be replicated.

Safety Related ☐ YES ☒ NO Potential 10 CFR Part 21 ☐ YES ☐ NO ☒ N/A

RESPONSIBILITY TO ANALYZE ANOMALIES AND COMPLY WITH 10 CFR PART 21: ☐ CUSTOMER ☐ WYLE

CAR Required: ☐ YES ☒ NO CAR No.

VERIFICATION:

TEST WITNESS: N/A

REPRESENTING: N/A

QUALITY ASSURANCE: 8/30/13

PROJECT ENGINEER: 08/30/2013

PROJECT MANAGER: 8/30/13

INTERDEPARTMENTAL COORDINATION: N/A

N/A

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