| This item was submitted by | on 11/27/2017 | E |
|--|---|-------|
| Please note that the circumsta the material in this link to see | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please clarifying information and examples of these differences before continuing with this form. | revie |
| ORM INFORMATION | | |
| egistered Entity: | | |
| IERC Registry ID: | | |
| RO ID: | | |
| FR ID: | | |
| ntity Contact Information: | | |
| EPORTING INFORMATION | | |
| pplicable Standard: | CIP-002-5.1a | |
| pplicable Requirement: | R1. | |
| pplicable Sub Requirement(s): | 1.1. | |
| pplicable Functions: | | |
| Date Reported to Region or Dis | scovered by Region: | |
| Monitoring Method for previously Self-Report | y reported or discovered: | |
| Has the scope of the Possible \ | Violation expanded: | |
| No | | |
| eate Possible Violation was discovered in the Possible Violation and or Expected End Date of Possible Violation and or Expected End Date of Possible Violation and Original Possible Violation and Original Possible Violation | on: 5/5/2017 ible Violation: 8/8/2017 | |
| s the violation still occurring? | | |
| rovide detailed description and ca This Self-Report applies to | iuse di Fussipie Viulduuti. | |
| During a meeting between a categorized correctly in the however, | a concern was raised that After further investigation it was determined that the associated server was categorized correctly, | |
| August 8, 2017 | ubmitted for the re-assessment of and to apply the appropriate controls for a BES Cyber Asset. | |
| Extent Of Condition: | | 100 |

| Conclusion: | PRIVILEGED AND CONFIDENTIAL INFORMATION HAS BEEN REDACTED FROM THIS PUBLIC VERSION |
|---|--|
| has previously reported this violation and corrective actions were completed. See | |
| | |
| - The annual Cyber Vulnerability Assessment review concluded that devices had incorrect NEF See | RC CIP Classification assigned. |
| - Has identified several cases where devices were incorrectly classified as Medium when the not result in a potential violation. | ey should have been classified as Low. This "administrative" error did |
| | |
| No CIP002-5 R1 issues identified. | |
| Support: This support group is no longer performing asset classification. All new assets that support classification processes. | being managed by the proganization and follow asset |
| No CIP002-5 R1 issues identified. | |
| Both support groups collaborate with Lead to verify the location and function of the device being determined. No CIP002-5 R1 issues identified. Associated Asset: | categorized. Through this collaboration the proper categorization is |
| BES Cyber System: | |
| | |
| Are Mitigating Activities in progress or completed? | |
| Potential Impact to the Bulk Power System: Moderate | |
| Actual Impact to the Bulk Power System: Minimal | |
| Provide detailed description of Potential Risk to Bulk Power System: | |
| Risk to the Bulk Electric System: | |
| From a BES impact standpoint this event is considered moderate because: | |
| The mis-classification of BES Cyber Assets could lead to BES Cyber Assets not receiving full NERC | CIP protection. |
| The consequences of this event are considered moderate since mis-classification of BES Cyber ass verified: | ets include the potential that the following controls have not been |
| Network port & service identification Vulnerability and wireless scanning | |
| Baseline management including: | |
| 3) Operating system/firmware 4) Software version 5) Logical network accessible ports | |
| Education accessible ports Security patches Malicious code prevention security event monitoring system access controls | |
| Provide detailed description of Actual Risk to Bulk Power System: | |
| did not identify any actual impact to the Bulk Electric System as a result of this potential | violation. |
| considers the likelihood of this event adversely impacting the Bulk Electric System as r | ninimal because: |
| | |
| Additional Comments: | |
| Additional Comments. | |

A further extent of condition was performed for all other applicable business units to determine if the potential for an asset classification violation could exist in their

NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERCRAME GANDACTED FROM THIS PUBLIC VERSION HAS BEEN REDACTED FROM THIS PUBLIC VERSION



Attachment 40

Record documents for the violation of CIP-010-2 R2

| 40a. Audit Summary | |
|---------------------------------|--|
| 40.b The Companies' Self-Report | |
| 40.c The Companies' Self-Report | |
| 40.d The Companies' Self-Report | |
| 40.e The Companies' Self-Report | |
| 40.f The Companies' Self-Report | |





Post On-site Audit/Off-site Audit/Spot Check/Investigation Screening Worksheet

| Prepared By: Submittal Date: |
|--|
| Compliance Monitoring Method (On-site Audit, Off-site Audit, Spot-Check, or Investigation): On-Site Audit |
| Registered Entity: |
| NERC Registry ID: |
| Registered Entity Contact Information: Name: Email: |
| Standard: CIP-010-2 |
| Requirement: R2 |
| Sub Requirement(s): R2.1 |
| Function(s) Applicable to Possible Violation: |
| |
| Date violation occurred: 07/01/2016 |
| Date violation discovered (Exit Presentation Date): |
| Is the violation still occurring? ☐ Yes ☒ No |
| Are mitigating activities (including details to prevent reoccurrence) in progress or completed? \square Yes \boxtimes No |
| If yes, Provide description of Mitigating Activities: |
| Data Mitigating Activities are expected to be completed or were completed. |

| Detailed explanation and cause of violation: While on-site, the audit team discovered that failed to Monitor at least once every 35 calendar days for changes to the baseline configuration (as described in Requirement R1, Part 1.1). Document and investigate detected unauthorized changes. |
|---|
| Auditors noted that the August 2016 review of sampled cyber asset was unavailable thus resulting in a possible violation. |
| Sampled cyber asset for a High Impact BES Cyber System was put in production July 8, 2016 but logs were NOT reviewed within 35 calendar days as required thus resulting in a possible violation. |
| First review of changes to the baseline configuration occurred on September 8, 2016. |
| A total of devices were impacted. |
| Potential Impact to the Bulk Power System (Minimal, Moderate, or Severe): Minimal |
| Actual Impact to the Bulk Power System (Minimal, Moderate, or Severe): Minimal |
| Detailed description of Potential Risk to Bulk Power System: There was Minimal potential impact to the BPS due to other controls observed in place. Also, the entity immediately reviewed the logs for the subsequent time interval. |
| Detailed description of Actual Risk to Bulk Power System: There was Minimal Impact to the Bulk Power System caused by this possible violation. This determination is due to the fact that no actual event or adverse consequences occurred. |
| Additional Comments: Reference Information: |
| Please complete the form as completely as possible and email to |

| This item was submitted by | on 3/29/2017 |
|---|--|
| Please note that the circumsta the material in this link to see | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review clarifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| JRO ID: | |
| CFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| Applicable Standard: | CIP-010-2 |
| Applicable Requirement: | R2. |
| Applicable Sub Requirement(s): | 2.1. |
| Applicable Functions: | |
| Has a Possible violation of this sta If yes, provide NERC Violation I Date Reported to Region or Dis 8/31/2016 | |
| Monitoring Method for previous | y reported or discovered: |
| Self-Report | |
| Has the scope of the Possible No | /iolation expanded: |
| Has this Possible Violation previou | sly been reported to other Regions: No |
| Date Possible Violation was discov | rered: 2/22/2017 |
| Beginning Date of Possible Violation | on: 7/11/2016 |
| End or Expected End Date of Poss | ible Violation: 2/26/2017 |
| Is the violation still occurring? | |
| Provide detailed description and ca | use of Possible Violation: |
| This Self-Report applies to | |
| On 2/13/17, two analysts were per it wa | forming a routine 35-day review for unauthorized changes. While reviewing the firewall as discovered that compliance scan tasks had not been executed for the time period of Dec 2016 and Jan 2017, approximately 87 days. |
| The firewall | is scanned every 35 days to ensure unauthorized changes have not occurred. |
| | ensure the quality or accuracy of the CIP firewall list. Because of this to check for unauthorized changes. and the following number of assets are with this BCS: |

| Are Mitigating | Activities | in | progrees | OF | completed? | |
|----------------|------------|----|----------|----|------------|--|

An informal Mitigation Plan will be created upon submittal of this Self-Report with mitigating activities. If you would like to formalize that Mitigation Plan, please contact the Region.

If Yes, Provide description of Mitigating Activities:

Yes, a process is now in place to verify the CIP firewall list. The process consists of an analyst manually verifying the list and a second analyst performing a peer review of the CIP firewall list for accuracy. This process was executed on 2/23/2017 and is evidenced by a peer reviewed CIP firewall list and an associated verification report. This process will remain in place until the 3rd quarter 2017 when a full process redesign is introduced through the Configuration Management and Vulnerability Assessment project.

Provide details to prevent recurrence:

A Cause analysis will take place to assist in preventing recurrence of this possible violation. In addition, a full process redesign is underway with the Configuration Management and Vulnerability Assessment project which is slated for 3rd quarter 2017 completion.

Date Mitigating Activities (including activities to prevent recurrence) are expected to be completed or were completed:

2/23/2017

| MITI | CAT | TAIC | ACT | 11/17 | TEC |
|------|-----|------|-----|-------|-----|

Due Date Description Title Prevents Recurrence No data available in table

Potential Impact to the Bulk Power System:

Minimal

Actual Impact to the Bulk Power System:

Minimal

Provide detailed description of Potential Risk to Bulk Power System:

The Potential Impact to the Bulk Power System is minimal because a missing 35 day review scan does not impair firewall operability. The device was still operational and managed by the controlling firewall console. Subsequent scans showed no change to the system baseline during the missed period. Additionally, all security measures rovided by the firewall remained in place and the device was providing traffic arbitration as expected. Had the device stopped operating an alert would be generated in the and support engaged to investigate.

Provide detailed description of Actual Risk to Bulk Power System:

There was no Actual Impact to the Bulk Power System caused by this possible violation because there were no mis-operations, emergencies, or other adverse consequences to the Bulk Power System because of this possible violation.

Additional Comments:

NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section 6.4.)

| This item was submitted by | on × |
|--|--|
| Please note that the circumsta the material in this link to see | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review clarifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| JRO ID: | |
| OFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| applicable Standard: | CIP-010-2 |
| pplicable Requirement: | R2. |
| Applicable Sub Requirement(s): | 2.1. |
| Applicable Functions: | |
| Has a Possible violation of this star | ndard and requirement previously been reported or discovered: Yes (if known): |
| Date Reported to Region or Dis 3/29/2017 | covered by Region: |
| Monitoring Method for previousl | y reported or discovered: |
| Has the scope of the Possible \ | /iolation expanded: |
| | sly been reported to other Regions: No |
| Date Possible Violation was discov Beginning Date of Possible Violatio | |
| End or Expected End Date of Possi | 991 |
| s the violation still occurring? | |
| Provide detailed description and ca | |
| This applies to | |
| 010-2 Table R2 – Configuration M R2.1 High Impact BES Cyber Syst changes to the baseline configura | ems and their associated Electronic Access Control and Monitoring Systems (EACMS). Monitor at least once every 35 calendar days for tion (as described in Requirement R1, Part 1.1). Document and investigate detected unauthorized changes. |
| While preparing for the Audit preparation identified requirement. | Audit it was discovered failed to monitor at least once every 35 calendar days for baseline configuration changes. baseline configuration change monitoring due on 08/26/2016 was completed by on 09/23/2016 missing the 35 days |
| The delay in baseline configuration | n change monitoring impacted EACMS located across |
| | |

| Mitigating Activities in progress or comp | leted? Yes | | SCHOOL WE HER THAT HAVE BOOK AS |
|--|---|---|--|
| An informal Mitigation Plan will I contact the Region. | be created upon submittal of this S | Self-Report with mitigating activities. If you v | would like to formalize that Mitigation Plan, please |
| f Yes, Provide description of Mitigating A | activities: | | |
| To mitigate missing NERC CIP process | | the following activities have been in vidence. (Status: Completed, Date: 09/23/2 | |
| *Increased qualified personnel expandi | members have added re | | al calendars. (Status: Completed, Date: 10/03/2016) |
| (Status: Completed, Date:12/31/2016) | ng womeroo noxiomy. | | |
| | | | |
| | | | |
| Provide details to prevent recurrence: | | | |
| | valuate additional causal factors a | nd to identify effective corrective actions to | prevent reoccurrence. |
| | valuate additional causal factors a | nd to identify effective corrective actions to | prevent reoccurrence. |
| | valuate additional causal factors a | nd to identify effective corrective actions to | prevent reoccurrence. |
| | valuate additional causal factors a | nd to identify effective corrective actions to | prevent reoccurrence. |
| A cause analysis will be performed to e | | | |
| A cause analysis will be performed to e | | nd to identify effective corrective actions to | |
| A cause analysis will be performed to e Date Mitigating Activities (including active) 12/31/2016 | | | |
| A cause analysis will be performed to e Date Mitigating Activities (including activ 12/31/2016 MITIGATING ACTIVITIES | ities to prevent recurrence) are ex | pected to be completed or were completed: | |
| A cause analysis will be performed to e Date Mitigating Activities (including activ 12/31/2016 MITIGATING ACTIVITIES Title | | | |
| A cause analysis will be performed to e Date Mitigating Activities (including activ 12/31/2016 MITIGATING ACTIVITIES | ities to prevent recurrence) are ex | pected to be completed or were completed: | |
| A cause analysis will be performed to e Date Mitigating Activities (including activ 12/31/2016 MITIGATING ACTIVITIES Title No data available in table | ities to prevent recurrence) are exp | pected to be completed or were completed: | |
| A cause analysis will be performed to e Date Mitigating Activities (including activ 12/31/2016 MITIGATING ACTIVITIES Title No data available in table Intial Impact to the Bulk Power System: | ities to prevent recurrence) are exp Due Date Moderate | pected to be completed or were completed: | |
| A cause analysis will be performed to e Date Mitigating Activities (including activ 12/31/2016 MITIGATING ACTIVITIES Title No data available in table Intial Impact to the Bulk Power System: al Impact to the Bulk Power System: | ities to prevent recurrence) are exp Due Date Moderate Minimal | pected to be completed or were completed: | |
| Date Mitigating Activities (including active 12/31/2016 MITIGATING ACTIVITIES Title No data available in table ential Impact to the Bulk Power System: al Impact to the Bulk Power System: inded detailed description of Potential Risi | ities to prevent recurrence) are exp Due Date Moderate Minimal k to Bulk Power System: | pected to be completed or were completed: Description | Prevents Recurrence |
| Date Mitigating Activities (including activities) 12/31/2016 MITIGATING ACTIVITIES Title No data available in table antial Impact to the Bulk Power System: all Impact to the Bulk Power System: ide detailed description of Potential Risis a potential impact to the Bulk Power System: | Due Date Moderate Minimal k to Bulk Power System: stem is moderate because the | pected to be completed or were completed: | |
| A cause analysis will be performed to e Date Mitigating Activities (including activ 12/31/2016 MITIGATING ACTIVITIES Title No data available in table ential Impact to the Bulk Power System: | Due Date Moderate Minimal k to Bulk Power System: stem is moderate because the | pected to be completed or were completed: Description | Prevents Recurrence |
| Date Mitigating Activities (including activities) 12/31/2016 MITIGATING ACTIVITIES Title No data available in table antial Impact to the Bulk Power System: all Impact to the Bulk Power System: ide detailed description of Potential Risis a potential impact to the Bulk Power System: | Due Date Moderate Minimal k to Bulk Power System: stem is moderate because the | pected to be completed or were completed: Description | Prevents Recurrence |
| A cause analysis will be performed to e Date Mitigating Activities (including activ 12/31/2016 MITIGATING ACTIVITIES Title No data available in table ential Impact to the Bulk Power System: al Impact to the Bulk Power System: ide detailed description of Potential Risis a potential impact to the Bulk Power System pride detailed description of Potential Risis | Due Date Moderate Minimal k to Bulk Power System: stem is moderate because the | pected to be completed or were completed: Description | Prevents Recurrence |

| were reviewed for the time period of the possible violation and no inappropriate | PRIVILEGED AND CONFIDENTIAL INFORMAT |
|--|--|
| | HAS BEEN REDACTED FROM THIS PUBLIC VER |
| itional Comments: | |
| is possible violation was not the result of intentional action to violate a NERC reliability standar | d. |
| was attempting to comply in good faith with the applicable NERC reliability standard | d at issue in this instant possible violation situation. |
| | |
| | |
| | |

6.4.)

| This item was submitted by | | | on 12/18/ | 2017 | × |
|--|--|------------------------------------|--|---|---|
| Please note that the circumsta the material in this link to see | inces under which clarifying informat | an Entity would ion and example | I submit a Scope Expansion fo es of these differences before | orm are different from what would require a new Self continuing with this form. | -Report. Please review |
| FORM INFORMATION | | | | | |
| Registered Entity: | | | | | 16 - 35 - 16 11 |
| NERC Registry ID: | | | | | |
| JRO ID: | | | | | |
| CFR ID: | | | | | |
| Entity Contact Information: | | | | | |
| REPORTING INFORMATION | | | | | |
| Applicable Standard: | CIP-010-2 | | | | |
| Applicable Requirement: | R2. | | | | |
| Applicable Sub Requirement(s): | 2.1. | | | | |
| Applicable Functions: | | | | | |
| Has a Possible violation of this sta | ndard and require | ment previously | been reported or discovered: | No | |
| Has this Possible Violation previous | sly been reported | to other Region | ns: No | | |
| Date Possible Violation was disco | vered: 9/12/201 | 7 | | | |
| Beginning Date of Possible Violation | on: 8/12/2017 | | | | |
| End or Expected End Date of Poss | ible Violation: 9 | /14/2017 | | | |
| Is the violation still occurring? | 0 | | | | |
| Provide detailed description and c | ause of Possible \ | /iolation: | | | |
| This applies to 9/11/2017 – During reviews of characteristics scans review by the the scanner attempted to test both | vere unavailable. an issue was dete | The | notified the | that the scans were not both IDPS devices, therefore testing results were | e not available. After a e not returned when |
| to the technological failure. The that missed the security control to communication issue. On Septem | sting scan on 7/12 ber 30, 2017, the | ME reviewed the 2/2017 On Sept | e unauthorized change reports ember 21, 2017, the was able to execute and retu | (UCR) which revealed two (2) missed 35-day cycles for the devices and identified them as the size was submitted to repair the um successful scans from the IDPS devices. A detected change reviews resulted in a possible violation | ame two (2) devices ermination could not |
| Cause Analysis: | | | | | |
| Standard CIP-010-2 R1.4 and CIF | P-010-2 R2.1. IDP vide documentation | S units monitor i | network traffic for malicious co of monitoring every 35 days for | n Prevention) units were found to have a possible vintent. These IDPS units were in possible violation or changes to the baseline. The cause analysis was part performance. | of CIP-010-2 R2.1 |
| An Extent of Condition was perfor properly. The business areas did | | | | es for unauthorized changes that were missed or not umented accurately. | t documented |
| RES Cyber System Information | | | | | |



6.4.)

| re Mitigating Activities in progress or comple | eted? Yes | | |
|---|--|---|--|
| An informal Mitigation Plan will b contact the Region. | e created upon submittal of this | Self-Report with mitigating activities. If | you would like to formalize that Mitigation Plan, please |
| If Yes, Provide description of Mitigating Ad | ctivities: | | |
| A scan was performed for 35-day unaut | norized changes of the two IDPS | devices that were previously not scann | ned. |
| Desired desired | | | |
| Provide details to prevent recurrence: Successful completion of the mitigation | -1 | | r risk of the same or similar NERC requirements in the |
| have occurred in baseline configuration | edure with step-by-step instruction of concedure with step-by-step in the work order requests and compiument to respective business at a procedure to review so and address any actions that re- | structions. letion for business areas. reas. ans within the same timeframe the scal need to be processed. | d. an was produced in order to confirm whether changes awareness to confirm if changes have occurred in |
| Date Mitigating Activities (including activities) | ties to prevent recurrence) are ex | spected to be completed or were completed | leted: |
| 10/2/2017 | | | |
| MITIGATING ACTIVITIES | | | |
| Title | Due Date | Description | Prevents Recurrence |
| No data available in table | | | |
| | | | |
| otential Impact to the Bulk Power System: | Minimal | | |
| tual Impact to the Bulk Power System: | finimal | | |
| ovide detailed description of Potential Risk | to Bulk Power System: | | |
| | mpromised by not having the SC | T scans performed and functionality co | es prevent malicious communication from traversing throu continued as normal. Once the scans were performed, this |
| ovide detailed description of Actual Risk to | Bulk Power System: | | |
| | wer System caused by this poss | ible violation because there were no m on. | nisoperations,emergencies, or other adverse |
| dditional Comments: | | | |
| | | | |
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| | | | |
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| | | | |

identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section

Yes, these devices were reclassified as follows:

| This item was submitted by | on 4/7/2017 |
|--|---|
| Please note that the circumstar the material in this link to see of | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review larifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| RO ID: | |
| DFR ID: | |
| Entity Contact Information: | |
| EPORTING INFORMATION | |
| pplicable Standard: | CIP-002-5.1 |
| pplicable Requirement: | R1. |
| pplicable Sub Requirement(s): | 1.1. |
| pplicable Functions: | |
| as a Possible violation of this stan | dard and requirement previously been reported or discovered: No |
| as this Possible Violation previous | ly been reported to other Regions: No |
| ate Possible Violation was discovered | ered: 1/5/2017 |
| eginning Date of Possible Violatio | n: 7/1/2016 |
| nd or Expected End Date of Possil | ole Violation: 1/11/2017 |
| s the violation still occurring? No | |
| rovide detailed description and ca | use of Possible Violation: |
| | |
| | |
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| | |
| are Mitigating Activities in progress | or completed? Yes |
| An informal Mitigation P contact the Region. | lan will be created upon submittal of this Self-Report with mitigating activities. If you would like to formalize that Mitigation Plan, please |
| If Yes, Provide description of Miti | gating Activities |

| | - Mast ticket for | CCA assessment. And was re | classified as a EACM on 1/10/17 classified as a EACM on 1/10/17 | PRIVILEGED AND CONFIDENTIAL INFORMATI HAS BEEN REDACTED FROM THIS PUBLIC VERSI |
|------------------------------|--|---|--|---|
| Provide details to prevent | recurrence: | | | |
| A cause analysis will be p | performed to eva | aluate additional causal factors | to identify effective corrective actions to | prevent reoccurrence. |
| Date Mitigating Activities (| including activitie | es to prevent recurrence) are e | xpected to be completed or were comple | eted: |
| MITIGATING ACTIV | ITIES | | | |
| Title | | Due Date | Description | Prevents Recurrence |
| No data available in ta | able | | | |
| ride detailed description o | f Potential Risk t | to Bulk Power System: | | |
| ride detailed description o | V | | | |
| ride detailed description o | f Actual Risk to E to the Bulk Powe | Bulk Power System: | | s-operations, emergencies, or other adverse |
| ride detailed description o | f Actual Risk to E to the Bulk Powe | Bulk Power System: er System caused by this poss | | s-operations, emergencies, or other adverse |

NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section

6.4.)

- Mast ticket for CCA assessment. And was reclassified as a EACM on 1/10/17

| Please note that the circumsta the material in this link to see | ances under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please revie clarifying information and examples of these differences before continuing with this form. |
|---|---|
| ORM INFORMATION | |
| Registered Entity: | |
| IERC Registry ID: | |
| ROID: | |
| CFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| applicable Standard: | CIP-002-5.1a |
| applicable Requirement: | R1. |
| pplicable Sub Requirement(s): | 1.1. |
| pplicable Functions: | |
| If yes, provide NERC Violation I Date Reported to Region or Dis 4/7/2017 | scovered by Region: |
| Monitoring Method for previous Self-Report | y reported or discovered: |
| Has the scope of the Possible | Violation expanded: |
| No | |
| las this Possible Violation previou If yes, indicate which Region(s | yes Yes Yes |
| Date Reported to Region(s): 4/7/2017 | |
| ate Possible Violation was disco | vered: 11/15/2017 |
| | on: 11/15/2017 |
| eginning Date of Possible Violation | |
| 1 - The control of the first of the second of the control of the second | sible Violation: 11/17/2017 |
| nd or Expected End Date of Poss | |
| ind or Expected End Date of Poss the violation still occurring? | 0 |
| and or Expected End Date of Poss the violation still occurring? | 0 |
| Provide detailed description and control of the self-report applies to Per CIP002-5, R1. Each Response Per sub-requirement R1.1: | 0 |

| tional Information: | |
|---|---|
| 700X-114V-17-0300 | er Assets (CAs). BCAs, is the process whereby Proper categorization of EACMS ensures appropriate NERC CIP protections are implemented on the HAS BEEN REDACTED FROM THIS PUBLIC VEI |
| tified asset. | TIAS BEEN REDACTED THOM THIS POBLE VE |
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| | |
| | |
| | |
| od of Discovery | |
| Assessment: | |
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| nt Of Condition: | |
| art of the the suil need to 1) reassess to suil need to 1) reassess to suil need to 1 | will provide additional guidance around the types of systems that constitute "Intermediate Systems." As a result of their technologies to ensure alignment with the processes support work through the asset classification process for all assets under the revised program. |
| se Analysis: | |
| violation occurred as a result of: | |
| k of specificity within the requirements | of the process, no process available. |
| e Identification: | |
| or self-renorted issues with | focused on systems designed to facilitate were incorrectly implemented due to the lack of clarity in the |
| | |
| | were not properly assessed in the V5 transition as being Intermediate Systems |
| | were not previously identified as EACMS because |
| direct and contributing causes of this possible | violation: |
| rent Cause 1 (AC1): Process Weakness. Lac | CONTRACT REPORTS |
| self-reported issues with | were incorrectly implemented due to the lack of clarity |
| g the implementation of the | |
| | |
| | |
| | |
| | |
| | |
| itigating Activities in progress or completed? | Yes |
| An informal Mitigation Plan will be creat contact the Region. | ed upon submittal of this Self-Report with mitigating activities. If you would like to formalize that Mitigation Plan, please |
| | |
| | |
| | remediate this potential violation include: |
| has already completed to | |

| | | | n of the associated mitigation plan. Successful |
|--|--|--|---|
| | owing corrective actions and will imp | plement these actions through the completion that will incur further risk of the same | OF SIPROVNERGE DISAMONE CONFIDENTIAL INFORMATIO |
| See section 7.0 Corrective Actions | (Fixes) Recommended by Cause An | nalysis Team for respective milestone dates. | HAS BEEN REDACTED FROM THIS PUBLIC VERSIO |
| CIP-002 to perform a gap analysis | to provide and re-evaluation of in-scope BES | updated CIP-002 documentation that coupler Assets | will be used by all |
| With oversite from all l | to perform a business procedure | gap analysis between the current CIP-002 | business procedures and the updated CIP- |
| · With oversite from | to provide a draft of CIP-002 / | ousiness level procedures | |
| • With oversite from all | to obtain business level pro | cedures approved | |
| • With oversite from all | to identify those individuals who re | equire training on updated CIP-002 / | ousiness level procedures |
| • With oversite from all | to communicate and provide train | ing on updated CIP-002 / | vel procedures to those individuals requiring |
| • With oversite from all | to re-evaluate / re-classify BES C | yber Assets based on updated business leve | el procedures and submit potential violation if |
| to submit | to initiate workflow necessary to re- | -classify identified devices as EACMS | |
| to perform an active review | | to determine if any additional systems have | e been improperly classified |
| to submit | to push firewall rules for scanning | | |
| | s testing (SCT) on identified devices | | |
| o perioriii dedurity derialer | o tooling (oo 1) on identified de vioco | | |
| late Mitigating Activities (including a | ctivities to prevent recurrence) are e | expected to be completed or were completed | |
| MITIGATING ACTIVITIES | | | |
| Title | Due Date | Description | Prevents Recurrence |
| No data available in table | | | |
| ntial Impact to the Bulk Power System al Impact to the Bulk Power System de detailed description of Potential to the Bulk Electric System m a BES impact standpoint this eve | Minimal Risk to Bulk Power System: | | |
| al Impact to the Bulk Power System: de detailed description of Potential to the Bulk Electric System m a BES impact standpoint this eve mis-classification of BES Cyber As consequences of this event are co fied: letwork port & service identification | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Asset | s not receiving full NERC CIP protection. | tential that the following controls have not been |
| al Impact to the Bulk Power System: de detailed description of Potential to the Bulk Electric System m a BES impact standpoint this eve mis-classification of BES Cyber As consequences of this event are co fied: letwork port & service identification fulnerability and wireless scanning | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Asset | s not receiving full NERC CIP protection. | tential that the following controls have not been |
| al Impact to the Bulk Power System: de detailed description of Potential to the Bulk Electric System m a BES impact standpoint this eve mis-classification of BES Cyber As consequences of this event are co fied: letwork port & service identification fulnerability and wireless scanning eline management including: | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Asset | s not receiving full NERC CIP protection. | tential that the following controls have not been |
| al Impact to the Bulk Power System: de detailed description of Potential to the Bulk Electric System m a BES impact standpoint this eve mis-classification of BES Cyber As consequences of this event are co fied: letwork port & service identification fulnerability and wireless scanning eline management including: operating system/firmware offware version ogical network accessible ports ecurity patches | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Asset | s not receiving full NERC CIP protection. fication of BES Cyber assets include the pol | tential that the following controls have not been |
| al Impact to the Bulk Power System: de detailed description of Potential to the Bulk Electric System m a BES impact standpoint this eve mis-classification of BES Cyber As consequences of this event are co fied: letwork port & service identification fulnerability and wireless scanning eline management including: operating system/firmware offware version ogical network accessible ports ecurity patches | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Assets insidered moderate since mis-classifications and the set of | s not receiving full NERC CIP protection. fication of BES Cyber assets include the pol | tential that the following controls have not been |
| al Impact to the Bulk Power System: de detailed description of Potential to the Bulk Electric System m a BES impact standpoint this eve mis-classification of BES Cyber As consequences of this event are co fied: letwork port & service identification fulnerability and wireless scanning eline management including: operating system/firmware offware version ogical network accessible ports lecurity patches falicious code prevention security el de detailed description of Actual Ri | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Assets ensidered moderate since mis-classification and the second moderate since mis-classification and the second secon | s not receiving full NERC CIP protection. fication of BES Cyber assets include the pol | |
| de detailed description of Potential to the Bulk Electric System as BES impact standpoint this even mis-classification of BES Cyber As consequences of this event are cofied: letwork port & service identification fulnerability and wireless scanning eline management including: Deparating system/firmware including: | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Assets insidered moderate since mis-classifications are set to Bulk Power System: Impact to the Bulk Electric System aminimal because: | s not receiving full NERC CIP protection. fication of BES Cyber assets include the pol trols as a result of this potential violation and cons | |
| de detailed description of Potential to the Bulk Electric System as BES impact standpoint this even mis-classification of BES Cyber As consequences of this event are cofied: letwork port & service identification fulnerability and wireless scanning eline management including: Deparating system/firmware including: | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Assets insidered moderate since mis-classifications are set to Bulk Power System: Impact to the Bulk Electric System aminimal because: | s not receiving full NERC CIP protection. fication of BES Cyber assets include the pol | |
| de detailed description of Potential to the Bulk Electric System as BES impact standpoint this even mis-classification of BES Cyber As consequences of this event are cofied: letwork port & service identification fulnerability and wireless scanning eline management including: Deparating system/firmware including: | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Assets insidered moderate since mis-classifications are set to Bulk Power System: Impact to the Bulk Electric System aminimal because: | s not receiving full NERC CIP protection. fication of BES Cyber assets include the pol trols as a result of this potential violation and cons | |
| de detailed description of Potential to the Bulk Electric System as BES impact standpoint this even mis-classification of BES Cyber As consequences of this event are cofied: letwork port & service identification fulnerability and wireless scanning eline management including: Deparating system/firmware including: | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Assets insidered moderate since mis-classifications are set to Bulk Power System: Impact to the Bulk Electric System aminimal because: | s not receiving full NERC CIP protection. fication of BES Cyber assets include the pol trols as a result of this potential violation and cons | |
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| de detailed description of Potential to the Bulk Electric System as BES impact standpoint this even mis-classification of BES Cyber As consequences of this event are cofied: letwork port & service identification fulnerability and wireless scanning eline management including: Deparating system/firmware including: | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Assets insidered moderate since mis-classifications are set to Bulk Power System: Impact to the Bulk Electric System aminimal because: | s not receiving full NERC CIP protection. fication of BES Cyber assets include the pol trols as a result of this potential violation and cons | |
| de detailed description of Potential to the Bulk Electric System as BES impact standpoint this even mis-classification of BES Cyber As consequences of this event are cofied: letwork port & service identification fulnerability and wireless scanning eline management including: Deparating system/firmware including: | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Assets insidered moderate since mis-classifications are set to Bulk Power System: Impact to the Bulk Electric System aminimal because: | s not receiving full NERC CIP protection. fication of BES Cyber assets include the pol trols as a result of this potential violation and cons | |
| de detailed description of Potential to the Bulk Electric System m a BES impact standpoint this even mis-classification of BES Cyber As consequences of this event are co fied: letwork port & service identification fulnerability and wireless scanning eline management including: letwork port & service identification fulnerability and wireless scanning eline management including: letwork port & service identification fulnerability and wireless scanning eline management including: letwork accessible ports lecurity patches fullicious code prevention security el did not identify any actual acting the Bulk Electric System as likelihood that this event would act likelihood that this event would act likelihood comments: | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Assets ensidered moderate since mis-classification and the set of | s not receiving full NERC CIP protection. fication of BES Cyber assets include the pol trols as a result of this potential violation and cons tem is considered minimal because: | siders the likelihood of this event adversely |
| de detailed description of Potential to the Bulk Electric System m a BES impact standpoint this even mis-classification of BES Cyber As consequences of this event are co fied: letwork port & service identification fulnerability and wireless scanning eline management including: letwork port & service identification fulnerability and wireless scanning eline management including: letwork accessible ports lecurity patches fallicious code prevention security el did not identify any actual acting the Bulk Electric System as likelihood that this event would act likelihood that this event would act litional Comments: seviolation was not the result of inter ability standard at issue in this potel event to the situation actively particip | Minimal Risk to Bulk Power System: ent is considered moderate because sets could lead to BES Cyber Assets ensidered moderate since mis-classification and the set of the set o | trols as a result of this potential violation and considered minimal because: tibility standard. was attempting rnal compliance plan was in effect at the time. | siders the likelihood of this event adversely It to comply in good faith with the applicable NERC management |

NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section

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Attachment 41

Record documents for the violation of CIP-010-2 R3



| This item was submitted by | on 9/2/2016 |
|--|--|
| Please note that the circumsta the material in this link to see | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review clarifying information and examples of these differences before continuing with this form. |
| DRM INFORMATION | |
| egistered Entity: | |
| ERC Registry ID: | |
| RO ID: | |
| FR ID: | |
| ntity Contact Information: | |
| EPORTING INFORMATION | |
| oplicable Standard: | CIP-010-2 |
| oplicable Requirement: | R3. |
| plicable Sub Requirement(s): | 3.3. |
| plicable Functions: | |
| ate Possible Violation was discovered and or Expected End Date of Possible Violation and or Expected End Date of Possion the violation still occurring? Ye rovide detailed description and catching applies to applies to applie to apport, it was determined that a NE per proper change control procedurate further investigation, it was dompleted as part of the commission or completed as part of the commission or complete the SME installing the deferformed on the asset prior to pur roduction violates CIP 010 2 R3.3 | ble Violation: 12/31/2016 suse of Possible Violation: SME was reviewing an automated had been moved from the "build" non production network to the production ESP network without following trees. Which was in a "Pre Production" status, had coning process prior to moving the asset on to the production ESP network, however the SME failed to complete the tickets and follow the ovice failed to follow the commissioning process, an active vulnerability assessment was not titing the asset into production. The failure not to have completed an active vulnerability assessment prior to placing the Cyber Asset into it. |
| e Mitigating Activities in progress | |
| An informal Mitigation F contact the Region. | Plan will be created upon submittal of this Self-Report with mitigating activities. If you would like to formalize that Mitigation Plan, please |
| If Yes, Provide description of Mit | gating Activities: |
| The mitigating activities that Proper commissioning activity | has taken with respect to this issue include the following: ies including a vulnerability assessment was performed. |
| | |

reoccurrences.

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Date Mitigating Activities (including activities to prevent recurrence) are expected to be completed or were completed:

12/30/2016

MITIGATING ACTIVITIES

| Title | Due Date | Description | Prevents Recurrence |
|--------------|-----------|--------------------------|---------------------|
| Project Plan | 9/30/2016 | Project Plan Development | No |

Potential Impact to the Bulk Power System: Minimal

Actual Impact to the Bulk Power System: Minimal

Provide detailed description of Potential Risk to Bulk Power System:

Potential risk to the Bulk Power System is minimal because although a CVA was not completed for this asset, antivirus is installed as part of the standard build which was performed in a physical security perimeter by NERC trained technicians.

Provide detailed description of Actual Risk to Bulk Power System:

There was no Actual Impact to the Bulk Power System caused by this alleged violation because there were no misoperations, emergencies, or other adverse consequences to the Bulk Power System as a result of this alleged violation.

Additional Comments:

This alleged violation was not the result of intentional action to violate a NERC reliability standard.

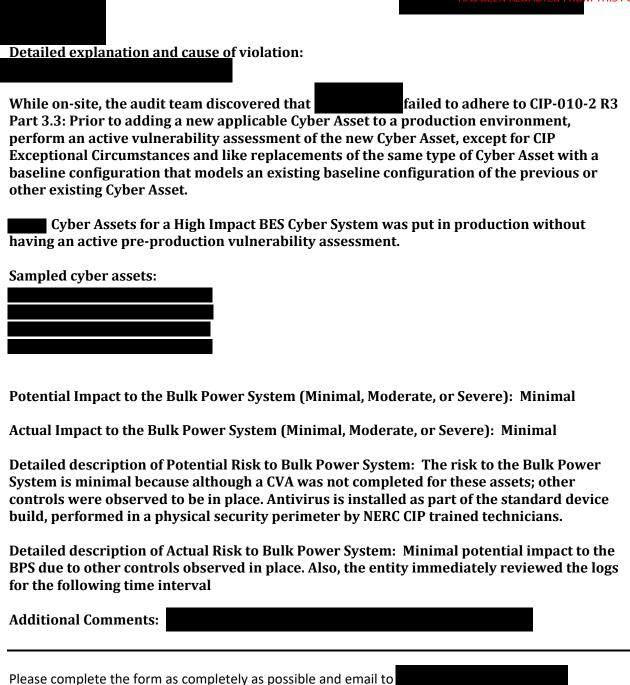
was attempting to comply in good faith with the applicable NERC reliability standard at issue in this instant alleged violation situation.

NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section 6.4.)



Post On-site Audit/Off-site Audit/Spot Check/Investigation Screening Worksheet

| Prepared By: |
|--|
| Submittal Date: |
| Compliance Monitoring Method (On-site Audit, Off-site Audit, Spot-Check, or Investigation): On-Site Audit |
| Registered Entity: |
| NERC Registry ID: |
| Registered Entity Contact Information: |
| Standard: CIP-010-2 |
| Requirement: R3 |
| Sub Requirement(s): R3.3 |
| Function(s) Applicable to Possible Violation: |
| |
| Date violation occurred: |
| Date violation discovered (Exit Presentation Date): |
| Is the violation still occurring? ☐ Yes ☒ No |
| Are mitigating activities (including details to prevent reoccurrence) in progress or completed? \square Yes \bowtie No |
| If yes, Provide description of Mitigating Activities: |
| Date Mitigating Activities are expected to be completed or were completed: |



| This item was submitted by | on 1/23/2017 | × |
|---|---|-------|
| Please note that the circumsta the material in this link to see | ences under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please reclarifying information and examples of these differences before continuing with this form. | view |
| FORM INFORMATION | | |
| Registered Entity: | | |
| NERC Registry ID: | | |
| JRO ID: | | |
| CFR ID: | | 1711 |
| Entity Contact Information: | | |
| REPORTING INFORMATION | | |
| Applicable Standard: | CIP-010-2 | |
| Applicable Requirement: | R3. | |
| Applicable Sub Requirement(s): | 3.3. | |
| Applicable Functions: | | |
| Has a Possible violation of this sta | ndard and requirement previously been reported or discovered: Yes D (if known): | |
| Date Reported to Region or Dis | scovered by Region: | |
| 7/15/2016 | | |
| Monitoring Method for previousl Self-Report | y reported or discovered: | |
| Has the scope of the Possible | Violation expanded: | |
| No | | |
| Has this Possible Violation previou | sly been reported to other Regions: No | |
| Date Possible Violation was discov | vered: 9/22/2016 | |
| Beginning Date of Possible Violation | on: 9/16/2016 | |
| End or Expected End Date of Poss | ible Violation: 9/23/2016 | |
| Is the violation still occurring? | | |
| Provide detailed description and ca | ause of Possible Violation: | |
| This Self-Report applies to | | 10 |
| On Sentember 22, 2016, while a | SME was reviewing an automated twas determined that (1) NERC CIP asset had been moved from | |
| | work prior to performing a Cyber Vulnerability Assessment (CVA). | |
| | was updated per standard processes to show that the CIP asset moved from "pre-production" to "production" it was discovered that the asset was not in compliance with the malicious are the AV client installed. Due to this discovery, a lalicious software prevention and did not have the AV client installed. | |
| | was entered into to decommission and retire the asset, so configured appropriately and commissioned. The decision to commission a new asset was made to help expedite the process of gerin place in lieu of the extra time it would take to configure | tting |

| Are Mitigating Activities in progress or com | pleted? | No | | | | |
|--|------------|---|---------------------------|-------------------------|------------------------|------------|
| Potential Impact to the Bulk Power System | : Mode | erate | | | | |
| Actual Impact to the Bulk Power System: | Minima | | | | | |
| Provide detailed description of Potential Ri | sk to Bu | k Power System: | | | | |
| The potential risk to the Bulk Power Syste installed; therefore there was the potential being inside of an Electronic Security Period. | I for the | device to be compromised | d; however, the device w | | | |
| Provide detailed description of Actual Risk | to Bulk I | Power System: | | | | |
| There was no Actual Impact to the Bulk F to the Bulk Power System as a result of the corrected quickly. Additionally, the assets | nis allege | ed violation. Although a C\ | /A was not completed for | or this asset prior to | | |
| Additional Comments: | | | | | | |
| This alleged violation was not the result of | f intentic | nal action to violate a NE | RC reliability standard. | | | |
| vas attempting to comply in | good fa | ith with the applicable NE | RC reliability standard a | at issue in this instar | nt alleged violation s | situation. |
| NOTE: While submittal of a mitigation plan identified deficiency is encouraged. Submi 6.4.) | | or • 1800 m of many and the second of the | | | | |

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| The passes note that the circumstances under which an Entity would submit a Scope Expansion from an editirent from what would require a new Self-Report. Please review the moderal in Italians to see deriving information and examples of these differences before cominsing with this form. FORM INFORMATION Registered Entity: INFORMATION REPORTING INFORMATION REPORTING INFORMATION Applicable Standard: CIP-002-5.1 Applicable Standard: I. 2. Applicable Requirement(b): 1.2. Applicable Standard: I. 2. Applicable Standard in this standard and requirement previously been reported or discovered: No Date Possible Violation year discovered: Possible Violation was discovered: 7/20/2016 Is the violation stall occurring? Ves Provide defaulted and Forestable Violation: Transpired to identify and classify Medium Impact Electronic Access Control and Monitoring Systems (EACMS): | This item was submitted by | on 8/31/2016 | × |
|--|---|--|---------------|
| Legistered Entity: LERC Registry ID: LERC Registr | Please note that the circumsta the material in this link to see | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. clarifying information and examples of these differences before continuing with this form. | Please review |
| IERC Registry ID: RO ID: FR ID: Intity Contact Information: IEPORTING INFORMATION IEPORTING INFORMATION IEPORTING INFORMATION R1. Inplicable Requirement: R1. Inplicable Sub Requirement(s): In a Possible violation of this standard and requirement previously been reported or discovered: In a Possible violation previously been reported to other Regions: No late Possible Violation was discovered: In Iterative Interest Indiana Indiana Interest Indiana | ORM INFORMATION | | |
| RO ID: SEFR ID: REPORTING INFORMATION REPORTING INFORMATION REPORTING INFORMATION REPORTING INFORMATION REPORTING INFORMATION Replicable Standard: CIP-002-5.1 Applicable Requirement: R1. Applicable Sub Requirement(s): 1.2. Applicable Functions: Reas a Possible violation of this standard and requirement previously been reported or discovered: No das this Possible Violation previously been reported to other Regions: No Aste Possible Violation was discovered: 7/20/2016 Beginning Date of Possible Violation: 7/20/2016 Beginning Date of Possible Violation: 7/20/2016 Beginning Date of Possible Violation: 7/20/2016 Best twiolation still occurring? Yes Provide detailed description and cause of Possible Violation: This self-report applies to | Registered Entity: | | |
| initiy Contact Information: EEPORTING INFORMATION applicable Standard: CIP-002-5.1 CIP-002-5.1 CIP-002-5.1 CIP-002-6.1 CIP-002-6 | IERC Registry ID: | | |
| EPORTING INFORMATION Applicable Standard: CIP-002-5.1 Applicable Requirement: R1. Applicable Sub Requirement(s): Italias a Possible violation of this standard and requirement previously been reported or discovered: Italias a Possible Violation previously been reported to other Regions: No late Possible Violation was discovered: 7/20/2016 Italias of Possible Violation: 7/20/2016 | RO ID: | | |
| Applicable Standard: CIP-002-5.1 Applicable Requirement: R1. Applicable Sub Requirement(s): 1.2. Applicable Functions: Has a Possible violation of this standard and requirement previously been reported or discovered: No Has this Possible Violation previously been reported to other Regions: No Date Possible Violation was discovered: 7/20/2016 Beginning Date of Possible Violation: 7/20/2016 End or Expected End Date of Possible Violation: 7/20/2016 Site violation still occurring? Yes Provide detailed description and cause of Possible Violation: This self-report applies to | CFR ID: | | |
| Applicable Standard: CIP-002-5.1 Applicable Requirement: R1. Applicable Sub Requirement(s): Las a Possible violation of this standard and requirement previously been reported or discovered: Las a Possible violation previously been reported to other Regions: No Las this Possible Violation was discovered: R1. Applicable Functions: Las a Possible Violation previously been reported to other Regions: No Las this Possible Violation was discovered: R1. Applicable Functions: Las a Possible Violation previously been reported to other Regions: No Las this Possible Violation was discovered: R1. Applicable Functions: No Las this Possible Violation previously been reported to other Regions: No Las this Possible Violation was discovered: R1. Applicable Functions: No Las this Possible Violation of this standard and requirement previously been reported or discovered: No Las this Possible Violation of this standard and requirement previously been reported or discovered: No Las this Possible Violation and accovered: R1. Applicable Requirement(s): 1.2. Applicable Requirement(s): 1.2. Applicable Requirement(s): 1.2. Applicable Sub Requirement(s): 1.2. Applicable Sub Requirement(s): No Las this Possible Violation of this standard and requirement previously been reported or discovered: No Las this Possible Violation of this standard and requirement previously been reported or discovered: No Las this Possible Violation of this standard and requirement previously been reported or discovered: No Las this Possible Violation of this standard and requirement previously been reported or discovered: No Las this Possible Violation of this standard and requirement previously been reported or discovered: No Las this Possible Violation of this standard and requirement previously been reported or discovered: No Las this Possible Violation of this standard and requirement previously been reported or discovered: No Las this Possible Violation of this standard and requirement previously been | Entity Contact Information: | | |
| Applicable Requirement: Applicable Sub Requirement(s): Applicable Functions: As a Possible violation of this standard and requirement previously been reported or discovered: As a Possible Violation previously been reported to other Regions: No Date Possible Violation was discovered: 7/20/2016 Reginning Date of Possible Violation: 7/20/2016 Set the violation still occurring? Yes Provide detailed description and cause of Possible Violation: This self-report applies to | REPORTING INFORMATION | | |
| Applicable Sub Requirement(s): Applicable Functions: Has a Possible violation of this standard and requirement previously been reported or discovered: Has this Possible Violation previously been reported to other Regions: Date Possible Violation was discovered: 7/20/2016 End or Expected End Date of Possible Violation: Provide detailed description and cause of Possible Violation: This self-report applies to | Applicable Standard: | CIP-002-5.1 | |
| Applicable Functions: Has a Possible violation of this standard and requirement previously been reported or discovered: No Has this Possible Violation previously been reported to other Regions: Date Possible Violation was discovered: 7/20/2016 End or Expected End Date of Possible Violation: 7/20/2016 Stand or Expected End Date of Possible Violation: This self-report applies to | Applicable Requirement: | R1. | |
| Has a Possible violation of this standard and requirement previously been reported or discovered: No Has this Possible Violation previously been reported to other Regions: No Date Possible Violation was discovered: 7/20/2016 Reginning Date of Possible Violation: 7/20/2016 End or Expected End Date of Possible Violation: This self-report applies to | Applicable Sub Requirement(s): | 1.2. | |
| Has this Possible Violation previously been reported to other Regions: Oute Possible Violation was discovered: 7/20/2016 Beginning Date of Possible Violation: 7/20/2016 End or Expected End Date of Possible Violation: 7/20/2016 Is the violation still occurring? Yes Provide detailed description and cause of Possible Violation: This self-report applies to | Applicable Functions: | | |
| Paginning Date of Possible Violation: 7/20/2016 End or Expected End Date of Possible Violation: 7/20/2016 Sthe violation still occurring? Provide detailed description and cause of Possible Violation: This self-report applies to | Has a Possible violation of this star | ndard and requirement previously been reported or discovered: No | |
| Reginning Date of Possible Violation: 7/20/2016 End or Expected End Date of Possible Violation: 7/20/2016 Is the violation still occurring? Yes Provide detailed description and cause of Possible Violation: This self-report applies to | las this Possible Violation previou | sly been reported to other Regions: No | |
| ind or Expected End Date of Possible Violation: 7/20/2016 s the violation still occurring? Provide detailed description and cause of Possible Violation: This self-report applies to | Date Possible Violation was discov | vered: 7/20/2016 | |
| Provide detailed description and cause of Possible Violation: This self-report applies to | | | |
| Provide detailed description and cause of Possible Violation: This self-report applies to | End or Expected End Date of Poss | ible Violation: 7/20/2016 | |
| This self-report applies to | | | |
| | | ause of Possible Violation: | |
| | | is obligated to identify and classify Medium Impact Electronic Access Control and Monitoring Systems (EACMS). | |
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| | | | |

| e Mitigating Activities in progress or completed? | Yes | | |
|--|-----------------------------------|---|--|
| An informal Mitigation Plan will be cre contact the Region. | ated upon submittal of this Self | Report with mitigating activities. If you | PRIVILEGED AND CONFIDENTIAL INFORMATION OF THE PROPERTY OF T |
| If Yes, Provide description of Mitigating Activitie | es: | | |
| nas reviewed the SEIM classification an | d is in the process of performin | g a walk down at each station to reappl | y the internal policy for classifying an EACMS |
| Provide details to prevent recurrence: | | | |
| Actions to prevent recurrence will be develop | ed as part of the mitigation plar | ı | |
| Date Mitigating Activities (including activities to 11/18/2016 | prevent recurrence) are expec | ted to be completed or were completed | H. |
| The second secon | | | |
| MITIGATING ACTIVITIES | | B | 12 |
| No data available in table | Due Date | Description | Prevents Recurrence |
| | 8.8 | | |
| otential Impact to the Bulk Power System: Min | | | |
| ctual Impact to the Bulk Power System: Minima ovide detailed description of Potential Risk to Bu | | | |
| otential impact to the BPS is minimal because t | he device currently has severa | l additional protections in place when o | compared to other non-CIP assets. |
| ovide detailed description of Actual Risk to Bulk | Power System: | | |
| here was no Actual Impact to the Bulk Power S the Bulk Power System as a result of this alleg | | iolation because there were no misope | erations, emergencies, or other adverse consequences |
| Iditional Comments: | | | |
| | | | |
| | | 어마 가게 맛이 그러워야 !! ㅠ ㅋㅋㅋ ㅋㅋㅋㅋ ㅋㅋㅋㅋ ㅋㅋㅋ | bmittal of a mitigation plan to address and remedy an NERC Rules of Procedure, Appendix 4C, Section |

Yes, these devices were reclassified as follows:

| This item was submitted by | on 4/7/2017 |
|--|---|
| Please note that the circumsta the material in this link to see | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please revi clarifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| IERC Registry ID: | |
| ROID: | |
| CFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| applicable Standard: | CIP-002-5.1 |
| applicable Requirement: | R1. |
| pplicable Sub Requirement(s): | 1.1. |
| Applicable Functions: | |
| as a Possible violation of this star | adard and requirement previously been reported or discovered: |
| las this Possible Violation previous | sly been reported to other Regions: No |
| Date Possible Violation was discov | ered: 1/5/2017 |
| Beginning Date of Possible Violation | n: 7/1/2016 |
| End or Expected End Date of Possi | ble Violation: 1/11/2017 |
| s the violation still occurring? No | |
| Provide detailed description and ca | use of Possible Violation: |
| This Self-Report applies to | |
| | |
| | |
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| | |
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| | |
| | |
| | |
| | |
| | |
| | |
| Are Mitigating Activities in progress | or completed? Yes |
| | Plan will be created upon submittal of this Self-Report with mitigating activities. If you would like to formalize that Mitigation Plan, please |
| 3,310,310,100,000,000 | |

| - 74363 - Mast ticket t | for CCA assessment. And was re- for CCA assessment. And was re- for CCA assessment. And was re- | classified as a EACM on 1/10/17 classified as a EACM on 1/10/17 classified as a EACM on 1/10/17 | PRIVILEGED AND CONFIDENTIAL INFORMATI HAS BEEN REDACTED FROM THIS PUBLIC VERSI |
|---|---|---|--|
| Provide details to prevent recurrence: | | | |
| A cause analysis will be performed to e | valuate additional causal factors t | o identify effective corrective actions to | prevent reoccurrence. |
| Date Mitigating Activities (including activities | ties to prevent recurrence) are ex | spected to be completed or were comple | ted: |
| 1/11/2017 | | | |
| MITIGATING ACTIVITIES | | | |
| Title | Due Date | Description | Prevents Recurrence |
| No data available in table | | | |
| ential Impact to the Bulk Power System: | Minimal | | |
| ual Impact to the Bulk Power System: | Minimal | | |
| vide detailed description of Potential Risi | to Bulk Power System: | | |
| | • | | |
| | | | |
| | | | |
| | | | |
| | | | |
| vide detailed description of Actual Risk to | Bulk Power System: | | |
| nere was no Actual Impact to the Bulk Po nsequences to the Bulk Power System a | wer System caused by this possi s a result of this possible violation | ble violation because there were no mis n. | s-operations, emergencies, or other adverse |
| | | | |

was attempting to comply in good faith with the applicable NERC reliability standard at issue in this instant possible violation situation.

NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section

Additional Comments:

6.4.)

This possible violation was not the result of intentional action to violate a NERC reliability standard.

| the material in this link to see | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please revie clarifying information and examples of these differences before continuing with this form. |
|--|--|
| ORM INFORMATION | |
| Registered Entity: | |
| IERC Registry ID: | |
| RO ID: | |
| FR ID: | |
| intity Contact Information: | |
| EPORTING INFORMATION | |
| pplicable Standard: | CIP-002-5.1a |
| pplicable Requirement: | R1. |
| pplicable Sub Requirement(s): | 1.1. |
| pplicable Functions: | |
| If yes, provide NERC Violation I Date Reported to Region or Dis 4/7/2017 | |
| Monitoring Method for previous | ly reported or discovered: |
| | |
| Self-Report | |
| Has the scope of the Possible | Violation expanded: |
| Has the scope of the Possible | |
| Has the scope of the Possible No | isly been reported to other Regions: Yes |
| Has the scope of the Possible No las this Possible Violation previou If yes, indicate which Region(s | isly been reported to other Regions: Yes |
| Has the scope of the Possible No las this Possible Violation previous | isly been reported to other Regions: Yes |
| Has the scope of the Possible No las this Possible Violation previous If yes, indicate which Region(s) Date Reported to Region(s): 4/7/2017 | isly been reported to other Regions: Yes Yes |
| Has the scope of the Possible No las this Possible Violation previous If yes, indicate which Region(s) Date Reported to Region(s): 4/7/2017 Date Possible Violation was discounted. | vered: 11/15/2017 |
| Has the scope of the Possible No las this Possible Violation previous If yes, indicate which Region(s) Date Reported to Region(s): 4/7/2017 late Possible Violation was discovered in the possible | vered: 11/15/2017 on: 11/15/2017 |
| Has the scope of the Possible No las this Possible Violation previous If yes, indicate which Region(s) Date Reported to Region(s): 4/7/2017 late Possible Violation was discovered in the possible Violation was discovered in the possible Violation of Possible Violation of Expected End Date of Possible Violation of End Date of End Date of Possible Violation of End Date of End Date of Possibl | vered: 11/15/2017 on: 11/15/2017 ible Violation: 11/17/2017 |
| Has the scope of the Possible No las this Possible Violation previous If yes, indicate which Region(s): 4/7/2017 Date Reported to Region(s): 4/7/2017 Date Possible Violation was disconteginning Date of Possible Violation of Expected End Date of Possible Violation Still occurring? | vered: 11/15/2017 on: 11/15/2017 ible Violation: 11/17/2017 |
| Has the scope of the Possible No las this Possible Violation previous If yes, indicate which Region(s) Date Reported to Region(s): 4/7/2017 Date Possible Violation was discorded and or Expected End Date of Possible Violation or Expected End Date of Possible violation still occurring? Provide detailed description and control of Possible Violation and Control of Possible V | vered: 11/15/2017 on: 11/15/2017 ible Violation: 11/17/2017 |
| Has the scope of the Possible No las this Possible Violation previous If yes, indicate which Region(s): 4/7/2017 Date Reported to Region(s): 4/7/2017 Date Possible Violation was discorded in the Possible Violation was discorded or Expected End Date of Possible Violation of Expected End Date of Possible Violation of Expected End Date of Possible Violation still occurring? Provide detailed description and control of the Possible Violation of Expected End Date of Possible Violation Still occurring? Provide detailed description and control of Expected End Date of Possible Violation Still occurring? Per CIP002-5, R1. Each Responsible Violation End Cip002-6, R1. Each R1. End Cip002-6, R1. End Cip002-6 | vered: 11/15/2017 on: 11/15/2017 ible Violation: 11/17/2017 |

| ategorization of Bulk Electric System (BES) Cyber Assets (CA and then assigns the appropriate categorization to that dentified asset. | (CAs), BCAs, is the process whereby device. Proper categorization of EACMS en | PRIVILEGED AMDES NITES THE STATE OF THE STAT |
|---|---|--|
| | | |
| | | |
| ethod of Discovery | | |
| elf-Assessment: | | |
| s a step in the build process for a net new server to support eview of this new server. During this review on 11/15/2017 | | conducted the categorization regarding the uses of this server. The |
| uring the categorization review conducted between the | and the | |
| | | |
| hese devices were not previously identified as EACMS | | Prior self-reported issues with and other |
| fter more discussion with a | | |
| xtent Of Condition: | | of contains that constitute the constitute of th |
| s part of thewill pr is quidance all | ovide additional guidance around the types of | of systems that constitute "Intermediate Systems." As a result of |
| ause Analysis: | | |
| nis violation occurred as a result of: | | |
| ack of specificity within the requirements of the pro | cess, no process available. | |
| ause Identification: | | 8-5 |
| and other firewall rules | | RA were incorrectly implemented due to the lack of clarity in the |
| | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | ed in the V5 transition as being Intermediate Systems |
| mote access | were not previously identifi | fied as EACMS because their primary function was not to enable |
| e direct and contributing causes of this possible violation | <u> </u> | |
| parent Cause 1 (AC1): Process Weakness. Lack of speci | ficity within the requirements of the pro- | ocess; no process available. |
| | | |
| | | |
| | | |
| | | |
| Mitigating Activities in progress or completed? | | |
| An informal Mitigation Plan will be created upon scontact the Region. | submittal of this Self-Report with mitigating ac | ctivities. If you would like to formalize that Mitigation Plan, please |
| If Yes, Provide description of Mitigating Activities: Actions has already completed to remediate | te this potential violation include: | |
| | termined this violation a self-report and the | team |
| submitted the appropriate licket workflow to condentified devices. | orrectly update the categorization and create | the necessary work orders to apply the appropriate controls to the |
| Completed: As of 12/4/2017, all identified devices have b | een re-categorized as EACMS. | |

Additional Information:

| Provide details to prevent recurrence | e: | | |
|---|--|---|---|
| | llowing corrective actions and will imp vill prevent or minimize the probability | | on of the associated mitigation plan. Successful or si ฅผม/ทธิเรียญผมอาติเปอยโนโปลโ INFORMATI |
| See section 7.0 Corrective Actions | (Fixes) Recommended by | for respective milestone dates. | HAS BEEN BEDACTED FROM THIS BURLIC VERS |
| • CIP-002 Refresh. to perform a gap analysis | to provide us and re-evaluation of in-scope BES C | updated CIP-002 documentation that so | will be used by all |
| With oversite from all 002 / documentation | to perform a business procedure / | gap analysis between the current CIP-002 | business procedures and the updated CIP- |
| With oversite from all | o provide a draft of CIP-002 / | business level procedures | |
| With oversite from all | to obtain business level prod | cedures approved | |
| With oversite from all | to identify those individuals who re | equire training on updated CIP-002 / | pusiness level procedures |
| With oversite from all training | to communicate and provide traini | ing on updated CIP-002 / business lev | vel procedures to those individuals requiring |
| With oversite from III I identified | o re-evaluate / re-classify BES Cy | ber Assets based on updated business leve | el procedures and submit potential violation if |
| • to submit | to initiate workflow necessary to re- | classify identified devices as EACMS | |
| perform an active revie | w of | o determine if any additional systems have | e been improperly classified |
| • to submit | o push firewall rules for scanning i | identified devices | |
| perform security control | ols testing (SCT) on identified devices | | |
| | | | |
| Date Mitigating Activities (including | activities to prevent recurrence) are ex | xpected to be completed or were completed | |
| 11/28/2017 | | | |
| MITIGATING ACTIVITIES | | | |
| Title | Due Date | Description | Prevents Recurrence |
| No data available in table | | | |
| vide detailed description of Potentia ok to the Bulk Electric System | l Risk to Bulk Power System: | | |
| | vent is considered moderate because | | |
| | vent is considered moderate because: | | |
| • | | s not receiving full NERC CIP protection. | tential that the following controls have not been |
| ified: | onsidered moderate since mis-classif | ication of BEO Cyber assets include the pot | tential trial the following controls have not been |
| Network port & service identification Vulnerability and wireless scanning | | | |
| seline management including: | | | |
| Operating system/firmware Software version | | | |
| Logical network accessible ports Security patches | | | |
| | event monitoring system access cont | rols | |
| | | | |
| vide detailed description of Actual R | | s a result of this potential violation and cons | siders the likelihood of this event adversely |
| pacting the Bulk Electric System as | minimal because: | | |
| e likelihood that this event would a | dversely impact the Bulk Electric System | em is considered minimal because: | |
| | | | |
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| | | | |
| | | | |
| | | | |
| itional Comments: | | | |
| | | | |
| is violation was not the result of inte ability standard at issue in this pote | entional action to violate a NERC relial ential violation. The interdigent interdigent and encouraged employees to | rnal compliance plan was in effect at the tim | g to comply in good faith with the applicable NERC ne of the potential noncompliance. |
| is violation was not the result of inte ability standard at issue in this pote evant to the situation actively partic | ential violation. The interior ipated and encouraged employees to | rnal compliance plan was in effect at the tim | nanagement nanagement |

NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section

PRIVILEGED AND CONFIDENTIAL INFORMATION HAS BEEN REDACTED FROM THIS PUBLIC VERSION



Attachment 42

Record documents for the violation of CIP-010-2 R4

42.a The Companies' Self-Report

42.b The Companies' Self-Report

| | HAS BEEN REDACTED FROM THIS PUBLIC |
|--|---|
| This item was submitted by | on 11/17/2017 <u>×</u> |
| Please note that the circumsta the material in this link to see | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review clarifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| JRO ID: | |
| CFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| Applicable Standard: | CIP-010-2 |
| Applicable Requirement: | R4. |
| Applicable Sub Requirement(s): | |
| Applicable Functions: | |
| Has a Possible violation of this star | ndard and requirement previously been reported or discovered: No |
| Has this Possible Violation previou | sly been reported to other Regions: No |
| Date Possible Violation was discov | rered: 5/30/2017 |
| Beginning Date of Possible Violation | on: 5/30/2017 |
| End or Expected End Date of Poss | ible Violation: 5/28/2018 |
| s the violation still occurring? | s |
| Provide detailed description and ca | use of Possible Violation: |
| This Self-Report covers | |
| | shall implement, except under CIP Exceptional Circumstances, one or more documented plan(s) for Transient Cyber edia that include the sections in Attachment 1. R4 is applicable to high impact and medium impact BES Cyber Systems and associated ins Section 1 which is specific to TCAs managed by and includes: |
| | sets Management: Responsible entities shall manage Transient Cyber Asset(s), individually or by group:(1) in an ongoing manner to e requirements at all times, (2) in an on-demand manner applying the applicable requirements before connection to a BES Cyber th (1) and (2) above. |
| Section 1.2.1 Transient Cyber A individually or by group or role. | ssets Authorization: For each individual or group of Transient Cyber Asset(s), each Responsible Entity shall authorize: Users, either |
| Section 1.2.3 Transient Cyber A be limited to what is necessary to | ssets Authorization: For each individual or group of Transient Cyber Asset(s), each Responsible Entity shall authorize: Uses, which shall perform business functions. |
| unpatched software on the Transie | ty Mitigation: Use one or a combination of the following methods to achieve the objective of mitigating risk of vulnerabilities posed by ent Cyber Asset (per Transient Cyber Asset capability): (1) security patching, including manual or managed updates; (2) live operating only from read-only media; (3) system hardening; or (4) other method(s) to mitigate software vulnerabilities. |
| malicious code (per Transient Cyt | ous Code Mitigation: Use one or a combination of the following methods to achieve the objective of mitigating the introduction of ser Asset capability): (1) Antivirus software, including manual or managed updates of signatures or patterns; (2) Application whitelisting; the introduction of malicious code. |
| | itigation: Use one or a combination of the following methods to achieve the objective of mitigating the risk of unauthorized use of rict physical access; (2) Full-disk encryption with authentication; (3) Multi-factor authentication; or (4) Other method(s) to mitigate the risk |
| circumstances, could all lead to the load, or generation). 1. TCAs used by Unauthorized Perusers who were not authorized on | 2017, the four Transient Cyber Asset (TCA) observations listed below were noted as possible violations, which under certain the same consequence: loss of situational awareness and/or control of Bulk Electric System (BES) components (e.g. loss of equipment, assumed to a sampled TCAs. Were used by unauthorized personnel (i.e. the applicable business area's TCA Authorization Form). Business Areas are required to authorize individuals to use the TCAs and TCAs to applicable systems have authorized electronic access to those systems. The TCA local users and users connecting TCAs to |

| applicable systems were authorized; however, remote users using support tools connect to TCAs were not authorized. The unauthorized users were IT support personnel with administrative rights who are employees (undergone the standard background checks). | |
|---|--|
| Unauthorized users having access to these TCAs could lead to theft of data or passwords from the TCA, or accidental or intentional misuse leading to malicious software being uploaded to the TCA. TCAs have antivirus protections in place to address malicious software; however, the potential control of the TCA and/or unavailability of the TCA and/or unavailability of the ESP network devices to which the TCA eventually connects. 2. TCAs with Unauthorized Software 3. TCAs with Unauthorized Software 4. TCAs the TCA and | |
| Authorization Form. Business Areas are required to approve all TCA software applications on their Business Area's TCA authorization form prior to installation. If the unauthorized software contains malicious code, this code could be passed to the Cyber Assets inside the ESP to which the TCA is connected, assuming the TCA antivirus | |
| protections in place to address malicious code do not prevent this. 3. TCAs absent from a sampled TCAs were absent from the corporate network to receive the required patching. To investigate further and determine the total number | |
| of TCAs absent from this report. TCAs and the sample to the full TCA population. During this review of the full population, were absent from the sample to the full TCA population. During this review of the full population, the sample to the full TCA population. TCAs and the sample to the full TCA population. TCAs did not receive security patches or antivirus updates, malicious code could be passed to | |
| the Cyber Assets inside the ESP to which the TCAs connect. 4. TCA Software Missing Patch Tracking Documentation — sampled TCAs had authorized Business Area specific software installed, but the related | |
| patch source was not being tracked in the Business Area level documentation. Business Areas are required to create and implement a TCA security patch management process for the patching of software that is not part of the corporate image. Any patches not being tracked may indicate the security patches are not being applied. If TCAs did not receive security patches and the TCA antivirus protections don't address malicious code, the TCA could pass malicious code to the Cyber Asset inside the ESP to which it connects. | |
| The cause analysis and extent of condition (EOC) efforts indicated a lack of clear definition for the management of TCAs and control expectations for either ongoing and/or on-demand approaches. | |
| Additionally, reviews of also confirmed the lack of a clear position for managing TCAs. The current | |
| Additionally, reviews of all so symmetrial rack of a clear bosition for managing TCAs. The current additional symmetrial street and symmetrial | |
| | |
| | |
| These facts lead to the inability to ensure ongoing compliance with TCA requirements. | |
| | |
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| | |
| | |
| Are Mitigating Activities in progress or completed? No | |
| Are Mitigating Activities in progress or completed? No Potential Impact to the Bulk Power System: Moderate | |
| Actual Impact to the Bulk Power System: Minimal | |
| Provide detailed description of Potential Risk to Bulk Power System: | |
| The Potential Impact to the Bulk Power System is moderate because with access to the TCA, an individual with malicious intent would potentially be able to: | |
| Install malicious software to the TCA causing compromise to the TCA and/or compromise of the BCAs and PCAs to which the TCA eventually connects to serially, Adversely affect situational awareness and/or control of Bulk Electric System components (e.g. loss of equipment, load, or generation). There was low likelihood that these events would adversely impact the Bulk Electric System for these reasons: Private | |
| Prior to connecting the TCA to a BCA and/or PCA, a user is required to have Physical Access to the applicable Physical Security Perimeters (PSPs). Antivirus protections are in place to mitigate the introduction of malicious code. | |
| | |
| Provide detailed description of Actual Risk to Bulk Power System: | |
| There was no Actual Impact to the Bulk Power System caused by this possible violation because there were no misoperations, emergencies, or other adverse | |
| consequences to the Bulk Power System as a result of this possible violation. | |
| Additional Comments: | |
| This possible violation was not the result of intentional action to violate a NERC reliability standard. | |
| was attempting to comply in good faith with the applicable NERC reliability standard at issue in this instant possible violation situation. | |
| NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section 6.4.) | |
| | |

| This item was submitted by | on 11/28/2017 |
|---|--|
| Please note that the circumsta the material in this link to see | ances under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review clarifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| JRO ID: | |
| CFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| Applicable Standard: | CIP-010-2 |
| Applicable Requirement: | R4. |
| Applicable Sub Requirement(s): | |
| Applicable Functions: | |
| Has a Possible violation of this sta | indard and requirement previously been reported or discovered: No |
| Has this Possible Violation previou | usly been reported to other Regions: No |
| Date Possible Violation was discov | vered: 7/26/2017 |
| Beginning Date of Possible Violation | on: 7/26/2017 |
| End or Expected End Date of Poss | ible Violation: 7/26/2017 |
| s the violation still occurring? | 5 |
| Provide detailed description and ca | ause of Possible Violation: |
| | is obligated to implement for its high impact and medium impact BES Cyber Systems and associated Protected Cyber Assets, except nces, one or more documented plan(s) for Transient Cyber Assets and Removable Media that include the sections in Attachment 1. |
| Section 1.2 Requires 1.2.1. Users, either individually or 1.2.2. Locations, either individually | |
| | esses and Procedures applicable to this issue under CIP-010-2: |
| process | s to manage TCAs is contained in |
| procedure to supp | oort the Enterprise process is contained in is a job aid used to execute the changing of passwords on BES Cyber Assets in the |
| Applicable Sections of the docum | |
| | |
| | |
| | |

| Preventative control- BES Cyber Assets are marked with a Pink Label stating NERC CIP as a compliance reminder. PRIVILEGED AND CONFIDENTIAL INFORMAT | |
|---|-----|
| Preventative Control - A Transient Cyber Asset was located in the communications with CIP cyber devices. | ION |
| Preventative Control - The personally assigned Corporate Laptops that were connected to the BES Cyber Asset were marked with yellow labels identifying them as not permitted for communications with CIP Cyber devices. | |
| Preventative Control-conducted visits to locations where techs were performing work on 3/13/17. conducted interviews of techs to assess the employees training retention on proper use of TCAs. | |
| Summary While performing password changes at a medium impact BES site, two employees (authorized TCA users) connected their corporate issued laptops to BES Cyber Assets. The employee's issued laptops are not authorized as Transient Cyber Assets (TCAs) on and do not have authorized users, locations, or uses identified. As a result, there is a possible violation of NERC CIP-010-2, R4 standard and requirement. | |
| Timeline On March 27 2017, training was provided covering NERC CIP-010-2, R4 standard/Requirement for NERC CIP Transient Cyber Assets (TCA) and Removable Media (RM). | |
| On April 1 2017, NERC CIP-010-2, R4 standard/Requirement became enforceable that requires the use of authorized Transient Cyber Assets when connecting to BES Cyber Assets. | |
| On July 26, 2017, at the site. two technicians (Tech 1 and Tech 2) decided to execute NERC CIP password changes on the site. | |
| The technicians addressed that it was a NERC CIP site and completed a pre-job brief. Pre-job box for NERC CIP site is checked. | |
| The technicians went to find the Job Plan the work order; The technicians attempted to view the Job Plan in but it was not attached to the work order; | |
| A third technician was called to help locate the correct procedure. The procedure was found on the | |
| Technician 1 casually reviewed the job plan to make sure it was the correct one for the planned work. | |
| The technicians then began work at 1:40PM with their Job Plan. | |
| Part way through the task, at 3:00PM, Technician 1 moved to get a better position in front of another set of NERC CIP relays and noticed the CIP dedicated TCA laptop in the docking station located on the far end of the building from the entry door. | |
| Realizing their mistake, both technicians stopped work immediately and notified their supervisor and waited for further instructions. | |
| Causes of the violation | |
| | |
| Apparent Cause #2 (AC2) -Human Errors or Inappropriate Actions/Inattention to Detail/Unawareness: Technicians overlooked the label on the corporate issued laptops stating "Not permitted for communication with CIP Cyber Devices" The Technicians overlooked step one of the job plan stating "Connect approved laptop to device. The laptop shall be on the approved Transient Cyber Asset inventory". | |
| Contributing Cause #1 (CC1) -Human Errors or Inappropriate Actions/ Inattention to Detail/On the Job Distraction: Technicians had difficulty locating the password change database they called another technician that was able to locate it. | |
| Contributing Cause #2 (CC2) - Human Errors or Inappropriate Actions/Inadequate Mental State or Skills Too Complex/Lapse of Memory: Technicians failed to follow, NERC CIP Transient Cyber Assets (TCA) and Removable Media (RM) Information Session, training provided. | |
| An Extent of Condition form was sent to all business areas attached to the Discovery Tab of the details are below: The reviewed the EOC responses and | |
| No other unauthorized devices were reported to have been connected to a NERC CIP device (BES Cyber Asset, BES Cyber Systems, PCAs) | |
| The methodology used for the EOC was to look for preventative or detective controls being used the business area SME would assess the likely-hood of the control preventing an unauthorized TCA from being used. | |
| | |
| | |
| | |
| The business areas listed in the are representatives from | |
| for this Self-Report contains | |
| | |
| | |
| Are Mitigating Activities in progress or completed? No | |
| Potential Impact to the Bulk Power System: Moderate | |
| Actual Impact to the Bulk Power System: Minimal | |
| Provide detailed description of Potential Risk to Bulk Power System: | |
| Part of requirement 4 of CIP-010 is to ensure appropriate authorization and use of specific Transient Cyber Assets (TCAs—laptops). The purpose of this requirement is to ensure appropriate security controls are applied to the devices, together with sufficient awareness and physical control of the devices are in place while connecting to BES | |

Detective Internal Controls involved? None

| | PRIVILEGED AND CONFIDENTIAL INFORMATION |
|---|---|
| While the devices that were connected to BES Cyber Assets/Systems were not authorized to authorized to perform work on the systems. As mitigating and compensating measures, updated were in place while the device were connected to the BCAs. Additionally, the corporation 7/25/17 which would mitigate the introduction of malware to CIP BCAs. As a result of this possible violation and no misoperations, emergencies, or other adverse consequences | processes to ensure software, antivirus, and malware are the laptops that were connected to BCAs on 7/26/17 had antivirus updates these controls, there was no actual Impact to the Bulk Electric System caused by |
| Additional Comments: | |
| | |
| | |
| | |
| NOTE: While submittal of a mitigation plan is not required until after a determination of a viola dentified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an adr | 가는 보다는 사람들이 있다면 가장 사람들이 되었다면 하는 것이 되었다면 보다 되었다면 보다 되었다면 보다 하는 것이 되었다면 되었다면 되었다면 되었다면 함께 보다 되었다면 함께 보다 되었다. 그 사람들이 다른 사람들이 되었다면 하는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다면 되었다면 함께 보다 되었다면 함께 보다 되었다면 하는데 없다면 하 |



Attachment 43

Record documents for the violation of CIP-011-2 R1

| 43.a The Companies' Self-Report |
|---------------------------------|
| 43.b The Companies' Self-Report |
| 43.c The Companies' Self-Report |
| 43.d The Companies' Self-Report |
| 43.e The Companies' Self-Report |
| 43.f The Companies' Self-Report |

| This item was submitted by | on 6/23/2017 |
|---|---|
| | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review clarifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| JRO ID: | |
| CFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| Applicable Standard: | CIP-011-2 |
| Applicable Requirement: | R1. |
| Applicable Sub Requirement(s): | 1.2. |
| Applicable Functions: | |
| Has a Possible violation of this stan | ndard and requirement previously been reported or discovered: |
| Has this Possible Violation previous | sly been reported to other Regions: No |
| Date Possible Violation was discover | ered: 4/20/2017 |
| Beginning Date of Possible Violation | n: 4/19/2017 |
| End or Expected End Date of Possit | |
| Is the violation still occurring? No | |
| | |
| Provide detailed description and car Per CIP-011-2, R1.2., the Responsuse. | use of Possible Violation: sible Entity shall establish procedure(s) for protecting and securely handling BES Cyber System Information, including storage, transit, an |
| aspects of information protection in access, misuse, or corruption and to | es and Technical Basis, Requirement 1 states: "The entity's written Information Protection Program should explain how the entity handles notuding specifying how BES Cyber System Information is to be securely handled during transit in order to protect against unauthorized to protect confidentiality of the communicated BES Cyber System Information." |
| On April 19, 2017 a (the asset database used by | was working with the one manage BES cyber assets). |
| The vendor was not able to determ files the analyst was attempting to requested data was uploaded to the transfer. | upload. The vendor wanted to recreate the environment to determine if they could reproduce the issue using the same data. The |
| On April 20, 2017 the grant analy requesting that all | yst remembered the data he sent to was actually Production BES CSI Data. He immediately contacted the previous day be deleted. |
| That same day the vendor confirme | ed the data was deleted, had not been backed up, and was not viewed by anyone else at |
| A Non-Disclosure Agreement (NDA data when troubleshooting efforts a | A) between and is in place which requires the vendor to treat all data with complete confidentiality and to properly destroy the |
| | Cyber Assets associated with this potential violation is considered to be not all, servers and datacenter appliances managed within the database. |
| Steps implemented to resolve this | potential violation were completed on 4/20/2017. |
| A cause analysis will be scheduled | d, along with creating a mitigation plan, to assist in preventing recurrence of this potential violation. |

| Are Mitigating Activities in progress or comp | leted? | No | | | | | |
|---|----------------|-----------------------------|---------------------------|-------------------|-------------------------------------|--------------------|---|
| Potential Impact to the Bulk Power System: | Seve | re | | | DDI\ /// E.C. | ED AND CON | IDENTIAL INCODA 44 TH |
| Actual Impact to the Bulk Power System: | d inima | | | | market and a second | | FIDENTIAL INFORMATION OM THIS PUBLIC VERSION |
| Provide detailed description of Potential Ris | k to Bu | k Power System: | | | TIAS DELIVI | LUACILUTIC | NVI TIIIS I OBLIC VERSIO |
| The impact to the Bulk Electric System cou environment. | ld pote | ntially be severe should so | omeone external to the o | company obtain th | his information and | d have access to | the |
| Provide detailed description of Actual Risk to | Bulk F | Power System: | | | | | |
| There was no Actual Impact to the Bulk Po Senior Support Engineer requesting that al had not been backed up, and was not view | | data unloaded to | | | BES CSI data, the ame day the vendo | | ata had been deleted, |
| Additional Comments: | | | | | | | |
| Applies to: | | | | | | | |
| This potential violation was not the result o NERC reliability standard at issue in this p | | | ERC reliability standard. | was | s attempting to cor | mply in good faith | with the applicable |
| management relevant to the situation There have been no mis-operations, syste | | | | | | ential noncomplia | ance. |
| NOTE: While submittal of a mitigation plan i identified deficiency is encouraged. Submitt 6.4.) | | | | | | | |

The following mitigating activities have been completed:

| This item was submitted by | on 8/3/2017 |
|---|---|
| | ances under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review clarifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| JRO ID: | |
| CFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| Applicable Standard: | CIP-011-2 |
| Applicable Requirement: | R1. |
| Applicable Sub Requirement(s): | 1.1.; 1.2. |
| Applicable Functions: | |
| Has a Possible violation of this sta If yes, provide NERC Violation I Date Reported to Region or Dis 6/23/2017 | |
| Monitoring Method for previous | y reported or discovered: |
| Self-Certification Has the scope of the Possible No | Violation expanded: |
| Has this Possible Violation previou | isly been reported to other Regions: No |
| Date Possible Violation was discov | vered: 6/30/2017 |
| Beginning Date of Possible Violation | on: 6/30/2017 |
| End or Expected End Date of Poss | ible Violation: 7/7/2017 |
| Is the violation still occurring? | |
| Provide detailed description and ca | ause of Possible Violation: |
| Per NERC CIP-011-2, Cyber Secu | rity – Information Protection: |
| R1.1, is obligated to | ensure information that meets the definition of Cyber System Information is clearly identified. |
| R1.2, is obligated to | ensure BES Cyber System Information is protected and securely handled when transmitting. |
| On Friday, June 30th, 2017, a Information (CSI) without labeling | staff member (Project Manager) e-mailed information to a third party contractor that potentially included BES Cyber System the information as such, or using a secure method to transmit the information. |
| The third party contractor request staff member responded to the th pieces of BES cyber asset information. | ird party contractor's request, a project document was attached that included the requested workstation names, but also several other |
| contained more than just the infor | the third party contractor, approximately 2 hours after the information was delivered, it was realized that the document shared with them mation requested. The staff member failed to realize that the document attached contained the name of BES Cyber Assets is, the location of future BES Cyber Assets Since the document contained BES CSI and was not labeled or er, the event was self-identified to have caused a possible violation. |

| 1. A NERC CIP Stand Down call was conducted with all members of the CIP requirements to clearly identified Possible Violation, as well as, the NERC CIP requirements to clearly identify BES Cyber System Information and use approved protection mechanisms when e-mailing BES Cyber System information outside |
|---|
| - Completed 7/12/2017 PRIVILEGED AND CONFIDENTIAL INFORMATION |
| 2. managers conducted follow-up staff meetings with their respective employees to discuss the key points of the NERC CIP Stand Down call. They reviewed a training package in the meetings that included the importance of clearly identifying BES Cyber System Information and the secure communication of this information. The training package included: a. Instructions on how to clearly label BES Cyber System Information per requirements b. Instructions on how to being sent outside of the NERC CIP Stand Down call. They reviewed a training package in the meetings that included the importance of clearly identifying BES Cyber System Information and the secure communication of this information. The requirements |
| c. Instructions on how to use d. Instructions, via a process document, on how to - Completed 7/12/2017 when secure FTP is not available |
| In order to prevent reoccurrence: It and Security managers will discuss and review with their staff the content of the training package that includes the importance of clearly identifying BES Cyber System Information and the secure communication of this information. This will be completed by 8/11/2017. |
| A cause analysis will be performed to identify additional actions required to prevent recurrence of this type of potential violation. |
| Are Mitigating Activities in progress or completed? |
| Potential Impact to the Bulk Power System: Severe |
| Actual Impact to the Bulk Power System: Minimal |
| Provide detailed description of Potential Risk to Bulk Power System: |
| The potential impact to the Bulk Power System is severe, due to the fact that identifying information, if obtained by someone with malicious intent, could have potentially been used to access systems that control the transmission grid in resulting in the loss of utility. |
| Provide detailed description of Actual Risk to Bulk Power System: |
| There was no actual impact as a result of this possible violation. There were no misoperations, emergencies, or other adverse consequences to the Bulk Power System. |
| Additional Comments: |
| |
| NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section 6.4.) |

| This item was submitted by | on 11/6/2017 |
|---|---|
| | ences under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review clarifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| JRO ID: | |
| CFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| Applicable Standard: | CIP-004-6 |
| Applicable Requirement: | R4. |
| Applicable Sub Requirement(s): | 4.4. |
| Applicable Functions: | |
| Has this Possible Violation previous Date Possible Violation was discoved. Beginning Date of Possible Violation End or Expected End Date of Possible Violation End or Expected End Date of Possible Violation End or Expected End Date of Possible Violation Is the violation still occurring? Note Provide detailed description and care of NERC CIP Standard CIP004-whether physical or electronic, and Tracking of access to BES CSI regulate of 2017, a request was made administrator access would be care tracked within the system. In order to evaluate the extent to completed access reviews, and completed access reviews, and completed access reviews, and completed access reviews administration of BES CSI Reposited did not capture administrator with the system. | ible Violation: 11/30/2017 ause of Possible Violation: 5: Verify at least once every 15 calendar months that access to the designated storage locations for BES Cyber System Information, ecorrect and are those that the Responsible Entity determines are necessary for performing assigned work functions. positories has recently (Q2 2017) been integrated into an automated platform within the total an additional (new) repository and when determining access to that system, the requestor questioned what system plured within the system and whether there was a risk of a gap in the review process. During follow-up discussions with on 6/28/2017, it was determined that administrator access was not being which administrator access was captured for repositories. The positories across all business areas determined that the majority of repositories across all business areas determined that the majority of repositories and database admins and database admins and database admins. |
| would be able to potentially accessidentified: During the Extent of Condition eff were identified. The related Possib Actions will be consolidated for the Gap in tracking all Reportable Failure to identify all BE Training and PRA's Not | current BES Repositories the following groups with administrator access were corts, additional gaps in identifying BES CSI Repositories and the processes for authorizing and reviewing access to the Repositories oble Violations are identified below and Cause Analysis efforts are currently underway for them in multiple Business Areas. Corrective ese PV's into a single Mitigation Plan. Sository access within system. S CSI Repositories. Required for BES CSI Repository Access |
| | ms were determined to have production BES CSI data stored during phases of testing. Identification of these systems as repositories ive actions to identify all relevant BES CSI Repositories as documented within this analysis. entified issues across the with properly identifying BES CSI Repositories and fully identifying the access associated with |

| | confirmed that there were instances of system level administrator access and as roles for BES CSI Repository access and subsequently not being reviewed by managers. The reviews confirmed that dministrator access were not made when submitting tickets to IT support for access lists. | |
|---|--|--------|
| Reviews of and business area pro | during alor access were not made when submitting tickets to 11 support for access lists. dures showed a lack of a clear process or quidelines on how to determine all access lists. | MATIC |
| | However, this is only applied to reviews of access | VERSIC |
| to BES Cyber Assets and is not associated Based on reviews of the not captured within made up of business area representative: | platform and interviews with the administrator access gap noted in the 2016 reviews was also. The team relied on the previous manual review compilation of access lists and reviews with repository owners which were | |
| Based on the information gathered and re | ewed, the causes identified for this issue were: | |
| 1. Direct Cause: Based on a Task Analysi | it was determined that there were no documented procedures or guidelines at the enterprise or business area level as to the lack of defining that system administrator access should be captured by CIP Compliance groups to ensure system admin | |
| associated BES CSI data and IT personne There was no engagement with IT groups | creating access reports did not always include specific instructions to include any access that might exist to the systems and were dependent upon CIP Compliance requests to define what access should be included per NERC CIP requirements. It is defined the systems to determine all access and any IT personnel fulfilling requests were reliant on what requirements | |
| were provided by Business Areas. 3. Contributing Cause 2: No central quality | assurance review was performed to ensure correctness of access lists. | |
| | nual effort with restricted resources and timeline led to incomplete data and lack of time to complete verification of data. | |
| Ars Mitigating Asthibias in progress or com- | ted? No | - 1 |
| Are Mitigating Activities in progress or comp | | |
| Potential Impact to the Bulk Power System: | Severe | |
| Actual Impact to the Bulk Power System: | nimal | |
| Provide detailed description of Potential Ris | to Bulk Power System: | |
| In all of these cases, the individuals with a | system administrators with a valid need to access the systems. | |
| Provide detailed description of Actual Risk t | Bulk Power System: | |
| All of these administrators do require accept their managers as required by fine administrators of the administrators requirements for access to BES CSI Report 1997. | would adversely impact the Bulk Electric System for these reasons: so to the repositories based on their job functions; however, their access to the repositories was not reviewed and approved nal procedures. dentified have approved and current NERC CIP Personnel Risk Assessments (PRA's) which is above and beyond NERC CIP ories. Although 5 of the domain administrators have not had PRA's completed, these approved administrative roles all have after a trusted personnel expected to have access to sensitive information. | |
| | e BES and result in operational impact. However, based on the reasons above, actual risk to the BES would be low due to | |
| Additional Comments: | | |
| | reviews completed for certain sites to which they had standard access, their administrator access for all repositories was not the platform and interviews with when repositories were integrated into the system. | |
| | ntentional action to violate a NERC reliability standard. was attempting to comply in good faith with the in this instant possible violation situation. A time intensive manual effort with restricted resources and timeline led to verification of data. | |
| | not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy ar of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section | r i |

| This item was submitted by | on 12/18/2017 | 83 |
|---|--|----|
| Please note that the circumsta the material in this link to see | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please revie clarifying information and examples of these differences before continuing with this form. | ew |
| ORM INFORMATION | | |
| Registered Entity: | | |
| NERC Registry ID: | | |
| RO ID: | | |
| CFR ID: | | |
| entity Contact Information: | | |
| EPORTING INFORMATION | | |
| applicable Standard: | CIP-011-2 | |
| pplicable Requirement: | R1. | |
| pplicable Sub Requirement(s): | 1.2. | |
| applicable Functions: | | |
| If yes, provide NERC Violation I Date Reported to Region or Dis Monitoring Method for previous | covered by Region: | |
| Self-Report Has the scope of the Possible V | /iolation expanded: | |
| No | | |
| - 10 | sly been reported to other Regions: No | |
| Date Possible Violation was discov Beginning Date of Possible Violation | | |
| End or Expected End Date of Poss | | |
| s the violation still occurring? | | |
| Provide detailed description and ca | | |
| This applies to On October 5th 2017, Information (CSI) in Q4 of 2015 for containing BES CSI is stored in are in place for | discovered that was not considered in the initial identification of Bulk Electric System (BES) Cyber System (CIP V5 implementation (effective date of July 1, 2016). Further evaluation of the information in and therefore, should have been identified as BES CSI during the initial identification. Although the failure to identify it as a BES CSI repository results in the inability to apply access authorization, provisioning and revocation of the above referenced standard and requirement. | |
| Are Mitigating Activities in progress Potential Impact to the Bulk Power | | |

| W | Minimal |
|---|---|
| Provide detailed description of Potential I | Risk to Bulk Power System: |
| | PRIVILEGED AND CONFIDENTIAL INFORMATIC CSI and BES CSI repositories is vital to ensure the appropriate security authorization, access and revocation controls are from compromise and subsequent misuse and potential degradation of BES Cyber Asset Ing Expending Info properties of the |
| Provide detailed description of Actual Ris | sk to Bulk Power System: |
| program. These compensating controls | Additionally, has formally identified and classified this repository as BES CSI under our CIP provide mitigation to the potential impact and as a result there was no actual impact to the BES caused by this possible violation emergencies, or other adverse consequences to the BES. |
| Additional Comments: | |
| | |
| | |

Yes, these devices were reclassified as follows:

| This item was submitted by | on 4/7/2017 |
|--|--|
| Please note that the circumstance the material in this link to see clar | es under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review rifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| JRO ID: | |
| CFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| Applicable Standard: | CIP-002-5.1 |
| Applicable Requirement: | R1. |
| Applicable Sub Requirement(s): | 1.1. |
| Applicable Functions: | |
| Has a Possible violation of this standa | ard and requirement previously been reported or discovered: No |
| Has this Possible Violation previously | been reported to other Regions: No |
| Date Possible Violation was discovered | ed: 1/5/2017 |
| Beginning Date of Possible Violation: | 7/1/2016 |
| End or Expected End Date of Possible | |
| Is the violation still occurring? No | |
| Provide detailed description and caus | o of Reggible Violations |
| This Self-Report applies to In January 2017, where a "pool" of devices generally h | conducted a review of Electronic Access Control or Monitoring Systems (EACMS) used for authentication and/or authorization, as equivalent ability to respond to authentication/authorization requests. This review was designed to ensure that, where CM, all of the equivalent devices are also correctly classified and protected. |
| This review identified that the were not identified as EACMS. Based should have been identified as EACM a. b. c. | which can be used to log into devices that are in NERC CIP scope, had servers that d on the locations of these devices, they have performed EACMS functions for assets that are currently in NERC CIP scope and therefore MS. Device names are as follows: |
| The devices | reside in the BCS and the following number of devices are with this BCS: |
| Are Mitigating Activities in progress or | completed? Yes |
| An informal Mitigation Plan contact the Region. | n will be created upon submittal of this Self-Report with mitigating activities. If you would like to formalize that Mitigation Plan, please |
| If Yes, Provide description of Mitiga | ating Activities: |

PRIVILEGED AND CONFIDENTIAL INFORMATION HAS BEEN REDACTED FROM THIS PUBLIC VERSION

| A cause analysis will be performed to | | | |
|--|--|--|---|
| | evaluate additional causal factors | to identify effective corrective actions to prev | vent reoccurrence. |
| | | | |
| Date Mitigating Activities (including act | ivities to prevent recurrence) are e | expected to be completed or were completed: | |
| 1/11/2017 | | | |
| MITIGATING ACTIVITIES | | | |
| Title | Due Date | Description | Prevents Recurrence |
| No data available in table | | | |
| otential Impact to the Bulk Power System | : Minimal | | |
| ctual Impact to the Bulk Power System: | Minimal | | |
| Provide detailed description of Potential R | | | |
| place, there was minimal likelihood that the Power System. | ne failure to identify these devices | as EACMS resulted in unauthorized or unau- | |
| | 4. D. II. D O | | thenticated activity that could adversely affect the Bulk |
| | | | thenticated activity that could adversely affect the Bulk |
| There was no Actual Impact to the Bulk F | Power System caused by this pos | sible violation because there were no mis-op | |
| There was no Actual Impact to the Bulk Fonsequences to the Bulk Power System | Power System caused by this pos | sible violation because there were no mis-op | |
| There was no Actual Impact to the Bulk Foonsequences to the Bulk Power System | Power System caused by this pos as a result of this possible violat | sible violation because there were no mis-op ion. | |
| consequences to the Bulk Power System dditional Comments: This possible violation was not the result | Power System caused by this pos as a result of this possible violat of intentional action to violate a N | sible violation because there were no mis-op ion. | perations, emergencies, or other adverse |

| This item was submitted by I | |
|---|--|
| Please note that the circumsta the material in this link to see | nnces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review clarifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| IRO ID: | |
| OFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| teroring information | |
| Applicable Standard: | CIP-002-5.1a |
| Applicable Requirement: | R1. |
| Applicable Sub Requirement(s): | 1.1. |
| Applicable Functions: | |
| Has a Possible violation of this sta | ndard and requirement previously been reported or discovered: Yes D (if known): |
| Date Reported to Region or Dis 4/7/2017 | scovered by Region: |
| Monitoring Method for previous | y reported or discovered: |
| Self-Report | |
| Has the scope of the Possible | Violation expanded: |
| No | |
| las this Possible Violation previou | sly been reported to other Regions: Yes |
| If yes, indicate which Region(s) | r |
| | |
| Date Reported to Region(s): | |
| 4/7/2017 | |
| Date Possible Violation was discov | |
| eginning Date of Possible Violation | SOA STANDARD CONTRACTOR CONTRACTO |
| nd or Expected End Date of Poss | ible Violation: 11/17/2017 |
| s the violation still occurring? | |
| rovide detailed description and ca | |
| This self-report applies to | id |
| Per sub-requirement R1.1: | ES Cyber Systems according to Attachment 1, Section 1, if any, at each asset. |
| Problem Statement | |
| | and were not properly classified as High Impact Electronic Access Control or Monitoring Systems |
| (EACMS), causing the devices to possible violation. | potentially not have full North American Electric Reliability Corporation (NERC) Critical Infrastructure Protection (CIP), resulting in this |

| Additional Information: | |
|--|--|
| Categorization of Bulk Electric System (BES) Cyber Assets CA and then assigns the appropriate categorization to the dentified asset. | s (CAs), BCAs, is the process whereby PRIMILEGED AND description of the PRIMILEGED AND description of the PRIMILEGED AND description of the HAS BEEN REDACTED FROM THIS PUBLIC VERSION OF THE PUBLIC V |
| milieu asset. | |
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| | |
| The second secon | |
| ethod of Discovery | |
| elf-Assessment: | |
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| tent Of Condition: | |
| 58 Sept. 1206 12069 | |
| is guidance all will need to 1) reasses their tec | provide additional guidance around the types of systems that constitute "Intermediate Systems." As a result of constitute and 2) ensure Level processes support |
| e new program which may require the | ough the asset classification process for all assets under the revised program. |
| ause Analysis: | |
| is violation occurred as a result of: | |
| ack of specificity within the requirements of the p | ocess, no process available. |
| ause Identification: | |
| Prior self-reported issues with | focused on systems designed to facilitate were incorrectly implemented due to the lack of clarity in the |
| | |
| | were not properly assessed in the V5 transition as being Intermediate Systems |
| | were not previously identified as EACMS because their primary function was not to enable |
| note access | |
| e direct and contributing causes of this possible violation | n: |
| parent Cause 1 (AC1): Process Weakness. Lack of spe | requirements of the process; no process available. |
| or self-reported issues with | focused on |
| | |
| | |
| | |
| | |
| | |
| | |
| Mitigating Activities in progress or completed? | |
| An informal Mitigation Plan will be created upor contact the Region. | submittal of this Self-Report with mitigating activities. If you would like to formalize that Mitigation Plan, please |
| If Yes, Provide description of Mitigating Activities: | |
| Actions has already completed to remed | ate this potential violation include: |
| On 11/28/2017, | etermined this violation a self-report and the |
| submitted the appropriate workflow to identified devices. | correctly update the categorization and create the necessary work orders to apply the appropriate controls to the |
| Completed: As of 12/4/2017, all identified devices have | heen re-categorized as FACMS |
| Completed. As of 12/4/2017, all identified devices have | been re-categorized as EACING. |

| has identified the follow | | | |
|--|--|--|--|
| | owing corrective actions and will imp Il prevent or minimize the probability | | n of the associated mitigation plan. Successful or si ฅสต/ท<u>ะเราะ</u> เลเตองและเลเตอง I <mark>NFORMAT</mark> |
| See section 7.0 Corrective Actions | (Fixes) Recommended by Cause An | nalysis Team for respective milestone dates. | HAS BEEN REDACTED FROM THIS PUBLIC VERS |
| CIP-002 to perform a gap analysis | to provide and re-evaluation of in-scope BES | updated CIP-002 Cyber Assets | will be used by all |
| With oversite from all 02 / documentation | to perform a business procedure | gap analysis between the current CIP-002 | business procedures and the updated CIP- |
| With oversite from | to provide a draft of CIP-002 / | business level procedures | |
| With oversite from all | | cedures approved | |
| With oversite from all | to identify those individuals who re | equire training on updated CIP-002 / | usiness level procedures |
| With oversite from | o communicate and provide train | ing on updated CIP-002 / | vel procedures to those individuals requiring |
| with oversite from | o re evaluate / re descify RES O | wher Assets hased on undated husiness leve | el procedures and submit potential violation if |
| dentified | lo re-evaluate / re-classify BES C | yber Assets based on updated business leve | a procedures and submit potential violation in |
| to submit | to initiate workflow necessary to re- | -classify identified devices as EACMS | |
| to perform an active review | of All (| to determine if any additional systems have | e been improperly classified |
| to submit | to push firewall rules for scanning | identified devices | |
| o perform security controls | s testing (SCT) on identified devices | | |
| | | | |
| ate Mitigating Activities (including a | ctivities to prevent recurrence) are e | expected to be completed or were completed | |
| MITICATING ACTIVITIES | | | |
| MITIGATING ACTIVITIES | Due Date | David de | Possesser Possesser |
| Title | Due Date | Description | Prevents Recurrence |
| No data available in table | | | |
| ial Impact to the Bulk Power Syste | m: Moderate | | |
| Impact to the Bulk Power System: | Minimal | | |
| | | | |
| le detailed description of Potential | Risk to Bulk Power System: | | |
| | Risk to Bulk Power System: | | |
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NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section

PRIVILEGED AND CONFIDENTIAL INFORMATION HAS BEEN REDACTED FROM THIS PUBLIC VERSION



Attachment 44

Record documents for the violation of CIP-011-2 R2

44.a Audit Summary

44.b The Companies' Self-Report

44.c The Companies' Self-Report



Post On-site Audit/Off-site Audit/Spot Check/Investigation Screening Worksheet

| Prepared By: |
|--|
| Submittal Date: |
| Compliance Monitoring Method (On-site Audit, Off-site Audit, Spot-Check, or Investigation): On-site Audit |
| Registered Entity: |
| NERC Registry ID: |
| Registered Entity Contact Information: Name: Email: |
| Standard: CIP-008-5 |
| Requirement: R1 |
| Sub Requirement(s): |
| Function(s) Applicable to Possible Violation: |
| |
| |
| |
| Date violation occurred: 7/1/2016 |
| Date violation discovered (Exit Presentation Date): |
| Is the violation still occurring? ⊠ Yes □ No |
| Are mitigating activities (including details to prevent reoccurrence) in progress or completed? \square Yes \boxtimes No |
| If yes, Provide description of Mitigating Activities: |
| Date Mitigating Activities are expected to be completed or were completed: |



Detailed explanation and cause of violation: There is a single enterprise-wide high level Cyber Security Incident Response plan. This plan is a skeleton with no detail as to who is to do what task when and how. The Cyber Security Incident Response plan(s) is to be a detailed procedure people could follow to fully respond to Cyber Security Incidents and report them accurately to authorities.

Potential Impact to the Bulk Power System (Minimal, Moderate, or Severe): Minimal

Actual Impact to the Bulk Power System (Minimal, Moderate, or Severe): Minimal

Detailed description of Potential Risk to Bulk Power System: If a cyber security incident occurs, personnel might not know what to do or who to contact to start an investigation or mitigation effort because the plan is too high level and overarching. Without detail the team must assemble, discuss the situation, and then have a leader start issuing orders to follow. Precious time will have elapsed before a proper response could be mounted.

Detailed description of Actual Risk to Bulk Power System: The personnel assigned to handle various tasks know their duties and would proceed to properly investigate, contain, and mitigate any incident.

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| s | | | |

Yes, these devices were reclassified as follows:

| This item was submitted by | on 4/7/2017 × |
|--|--|
| Please note that the circumsta the material in this link to see | ances under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review clarifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| JRO ID: | |
| CFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| Applicable Standard: | CIP-002-5.1 |
| Applicable Requirement: | R1. |
| Applicable Sub Requirement(s): | 1.1. |
| Applicable Functions: | |
| las a Possible violation of this sta | andard and requirement previously been reported or discovered: No |
| | usly been reported to other Regions: No |
| Date Possible Violation was discov | |
| Beginning Date of Possible Violation | |
| End or Expected End Date of Poss | |
| s the violation still occurring? | |
| Provide detailed description and ca | |
| This Self-Report applies to In January 2017, where a "pool" of devices general | conducted a review of Electronic Access Control or Monitoring Systems (EACMS) used for authentication and/or authorization. lly has equivalent ability to respond to authentication/authorization requests. This review was designed to ensure that, where EACM, all of the equivalent devices are also correctly classified and protected. |
| | which can be used to log into devices that are in NERC CIP scope, had three servers that ased on the locations of these devices, they have performed EACMS functions for assets that are currently in NERC CIP scope and therefor ACMS. Device names are as follows: |
| The devices | reside in the and the following number of devices are with this |
| | |
| Are Mitigating Activities in progress | s or completed? Yes |

| b 1 | Mast ticket for CCA assessment. And was rec Mast ticket for CCA assessment. And was rec Mast ticket for CCA assessment. And was rec | assified as a EACM on 1/10/17 | PRIVILEGED AND CONFIDENTIAL INFORMATION HAS BEEN REDACTED FROM THIS PUBLIC VERSION |
|---|--|--|---|
| Provide details to prevent rec | urrence: | | |
| A cause analysis will be per | formed to evaluate additional causal factors to | identify effective corrective actions to pr | revent reoccurrence. |
| Date Mitigating Activities (inc | uding activities to prevent recurrence) are exp | pected to be completed or were complete | ed: |
| 1/11/2017 | | | |
| MITIGATING ACTIVITIE | :S | | |
| Title | Due Date | Description | Prevents Recurrence |
| No data available in table | | | |
| is shared across follows NERC mmissioned, | otential Risk to Bulk Power System: Power System was minimal. The three devices so existing access controlled the strength of | ols for users and admir er population is limited to only ally, the suite of tools and best p | sical Security Perimeters. User access to the nistrators were enforced. User provisioning in the ersonnel. Further, practices were used when the systems were Based on these security measures that were in authenticated activity that could adversely affect the Bulk |
| vide detailed description of A | ctual Risk to Bulk Power System: | | |
| | the Bulk Power System caused by this possibler System as a result of this possible violation | | operations, emergencies, or other adverse |
| itional Comments: | | | |
| | the result of intentional action to violate a NER comply in good faith with the applicable NER | | tant possible violation situation. |

NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section 6.4.)

| This item was submitted by | on 1/23/2018 × |
|---|--|
| Please note that the circumsta the material in this link to see | nnces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review clarifying information and examples of these differences before continuing with this form. |
| FORM INFORMATION | |
| Registered Entity: | |
| NERC Registry ID: | |
| ROID: | |
| OFR ID: | |
| Entity Contact Information: | |
| REPORTING INFORMATION | |
| pplicable Standard: | CIP-002-5.1a |
| pplicable Requirement: | R1. |
| pplicable Sub Requirement(s): | 1.1. |
| pplicable Functions: | |
| If yes, provide NERC Violation II | |
| 4/7/2017 | |
| Monitoring Method for previousl Self-Report | y reported or discovered: |
| Has the scope of the Possible \ | Violation expanded: |
| No | |
| las this Possible Violation previou | sly been reported to other Regions: |
| If yes, indicate which Region(s) | £ |
| Date Reported to Region(s): | |
| Note Describe Violation was disco- | 11/15/2017 |
| ate Possible Violation was discov | |
| eginning Date of Possible Violation | |
| the violation still occurring? | |
| rovide detailed description and ca | |
| This self-report applies to | |
| | sible Entity shall implement a process that considers each of the following assets for purposes of parts 1.1 through 1.3: |
| Per sub-requirement R1.1: | ES Cyber Systems according to Attachment 1, Section 1, if any, at each asset. |
| Problem Statement | |
| | and two were not properly classified as High Impact Electronic Access Control or Monitoring Systems potentially not have full North American Electric Reliability Corporation (NERC) Critical Infrastructure Protection (CIP), resulting in this |

| thod of Discovery If-Assessment: Lent Of Condition: part of the lent of the | dditional Information: | |
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| tent Of Condition: part of the part of the part of the part of the process of th | ategorization of Bulk Electric System (BES) Cyb CA and then assigns the appropriate categoriza lentified asset. | per Assets (CAs), BCAs, is the process whereby PRINTER AND PETERNITIES AND PET |
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| ff Yes, Provide description of Mitigating Activities: Actions that a already completed to remediate this potential violation include: On 11/28/2017, determined this violation a self-report and the submitted the appropriate ticket workflow to correctly update the categorization and create the necessary work orders to apply the appropriate controls to the | d? | Yes |
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| On 11/28/2017, determined this violation a self-report and the submitted the appropriate determined this violation a self-report and the submitted the appropriate determined this violation a self-report and the submitted the appropriate determined this violation a self-report and the submitted the appropriate determined this violation a self-report and the submitted the appropriate determined this violation a self-report and the submitted the appropriate determined this violation a self-report and the submitted the appropriate determined this violation as self-report and the submitted the appropriate determined this violation as self-report and the submitted the appropriate determined this violation as self-report and the submitted the appropriate determined this violation as self-report and the submitted the appropriate determined this violation as self-report and the submitted the appropriate determined the appropriate dete | f Yes, Provide description of Mitigating Activitie | us: |
| submitted the appropriate licket workflow to correctly update the categorization and create the necessary work orders to apply the appropriate controls to the | Actions has already completed | to remediate this potential violation include: |
| submitted the appropriate licket workflow to correctly update the categorization and create the necessary work orders to apply the appropriate controls to the | On 11/28/2017. | determined this violation a self-report and the |
| A LOUIS OF THE STATE OF THE STA | submitted the appropriate | orkflow to correctly update the categorization and create the necessary work orders to apply the appropriate controls to the |
| | Completed: As of 12/4/2017, all identified dev | rices have been re-categorized as EACMS. |

| Provide details to prevent recurrence: | an corrective estimate and will to | unlament these actions the unit the count of | of the appointed mitigation plan Co |
|--|---|---|--|
| completion of the mitigation plan will p | | mplement these actions through the completion lity that will incur further risk of the same of | of the associated mitigation plan. Successful or siPR#VNERGED#AM@n@ONFIDENTVAL INFORMATIO |
| See section | Recommended by | for respective milestone dates. | HAS BEEN REDACTED FROM THIS PUBLIC VERSION |
| • CIP-002 Refresh. to perform a gap analysis and | to provided re-evaluation of in-scope BES | e updated CIP-002 documentation that w S Cyber Assets | ill be used by all |
| With oversite from all documentation | perform a business procedure | e / gap analysis between the current | business procedures and the updated |
| With oversite from, all | provide a draft of | business level procedures | |
| With oversite from all to the state of t | o obtain business level p | rocedures approved | |
| With oversite from all | o identify those individuals who | require training on updated bu | usiness level procedures |
| With oversite from all | o communicate and provide tra | | el procedures to those individuals requiring |
| | o re-evaluate / re-classify BES | Cyber Assets based on updated business level | procedures and submit potential violation if |
| identified | | | |
| | | re-classify identified devices as EACMS | |
| to perform an active review of | All | o determine if any additional systems have | been improperly classified |
| to submit | push firewall rules for scanning | g identified devices | |
| • to perform security controls te | sting (SCT) on identified device | es | |
| Date Mitigating Activities (including activities/2017 | ities to prevent recurrence) are | e expected to be completed or were completed: | |
| MITIGATING ACTIVITIES | | | |
| Title | Due Date | Description | Prevents Recurrence |
| No data available in table | | | |
| ential Impact to the Bulk Power System: ual Impact to the Bulk Power System: | Moderate Minimal | | |
| ovide detailed description of Potential Ris | k to Bulk Power System: | | |
| sk to the Bulk Electric System | | | |
| om a BES impact standpoint this event | s considered moderate because | se: | |
| e mis-classification of BES Cyber Asset | s could lead to BES Cyber Ass | ets not receiving full NERC CIP protection. | |
| ne consequences of this event are consi rified: | dered moderate since mis-clas | sification of BES Cyber assets include the pote | ential that the following controls have not been |
| Network port & service identification Vulnerability and wireless scanning | | | |
| seline management including: | | | |
| Operating system/firmware | | | |
| Software version Logical network accessible ports | | | |
| Security patches Malicious code prevention security ever | nt monitoring system access co | ontrols | |
| | | | |
| vide detailed description of Actual Risk t | o Bulk Power System: | | |
| did not identify any actual impacting the Bulk Electric System as min | | n as a result of this potential violation and consid | ders the likelihood of this event adversely |
| | | | |
| he likelihood that this event would advers | ely impact the Bulk Electric Sy | ystem is considered minimal because: | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| ditional Comments: | | | |
| his violation was not the result of intention liability standard at issue in this potential levant to the situation actively participate | l violation. The | ternal compliance plan was in effect at the time | to comply in good faith with the applicable NERC of the potential noncompliance. |
| | 7 | to provide complete information. ection reliability operating limits during the cou | ree of the notential noncompliance |
| io i navo boon no misoperations, system | n operating innite, or interconn | countries admity operating mints during the cou | 135 of the potential noncompliance. |

NOTE: While submittal of a mitigation plan is not required until after a determination of a violation is confirmed, early submittal of a mitigation plan to address and remedy an identified deficiency is encouraged. Submittal of a mitigation plan shall not be deemed an admission of a violation. (See NERC Rules of Procedure, Appendix 4C, Section

PRIVILEGED AND CONFIDENTIAL INFORMATION HAS BEEN REDACTED FROM THIS PUBLIC VERSION



Attachment 45

Record documents for the violation of CIP-014-2 R1

45.a The Companies' Self-Report

45.b The Companies' Certification of Mitigation Plan Completion.

| Please note that the circumsta the material in this link to see of | nces under which an Entity would submit a Scope Expansion form are different from what would require a new Self-Report. Please review larifying information and examples of these differences before continuing with this form. |
|---|--|
| ORM INFORMATION | |
| legistered Entity: | |
| ERC Registry ID: | |
| RO ID: | |
| FR ID: | |
| ntity Contact Information: | |
| EPORTING INFORMATION | |
| oplicable Standard: | CIP-014-2 |
| oplicable Requirement: | R2. |
| oplicable Sub Requirement(s): | |
| oplicable Functions: | |
| as a Possible violation of this star | dard and requirement previously been reported or discovered: No |
| | sly been reported to other Regions: No |
| ate Possible Violation was discov | ered: 4/25/2016 |
| eginning Date of Possible Violation | n: 10/2/2015 |
| nd or Expected End Date of Possi | ble Violation: 9/30/2016 |
| the violation still occurring? No | |
| rovide detailed description and ca | |
| During the fall 2015 CIP-014-2 R1 | AND AND THE RESERVE AND |
| Jpon further scrutiny during the we | bek of April 25, 2016, however, it was determined that are had not been run in the final analysis that was shared with a rR2. |
| vas run ir security protection list for the purpo constitute a violation of R2. | and was not found to have adverse results requiring inclusion on the physical see of CIP-014-2. Failure to include in the final analysis shared with the unaffiliated third party verifier, however, may possibly |
| re Mitigating Activities in progress | or completed? Yes |
| If Yes, Provide description of Mit | |
| | special assessment ASAP, and share with the unaffiliated third party verifier. Completed on 6/17/2016 |
| 2) Revisit CIP-014-2 best pract 3) Modify and republish 9/30/2016. | peers. To be completed 8/29/2016. to incorporate the proposed approach in (1) above (refer to (1) in details to prevent recurrence). To be completed |
| Provide details to prevent recurr | |
| 1) In future assessments, run | stations and substations to be shared with the unaffiliated third party verifier, making no exclusions for Applicability ated third party verifier a) review all analysis results and b) verify accuracy of the party verifier a) review all analysis results and b) verify accuracy of the party verifier a) review all analysis results and b) verify accuracy of the party verifier a) review all analysis results and b) verify accuracy of the party verifier and the party verifier a) review all analysis results and b) verify accuracy of the party verifier a) review all analysis results and b) verify accuracy of the party verifier and the party verifier and the party verifier a) review all analysis results and b) verify accuracy of the party verifier and the party verifier a) review all analysis results and b) verify accuracy of the party verifier a) review all analysis results and b) verify accuracy of the party verifier and the party verifier a) review all analysis results and b) verify accuracy of the party verifier and the part |

| Date intigating restricte (melaung as | ivities to prevent recurrence) are expected to be or | ompleted or were completed: |
|---|--|--|
| 9/30/2016 | | PRIVILEGED AND CONFIDENTIAL INFORMA |
| otential Impact to the Bulk Power System | Minimal | HAS BEEN REDACTED FROM THIS PUBLIC VER |
| ctual Impact to the Bulk Power System: | Minimal | |
| rovide detailed description of Potential R | isk to Bulk Power System: | |
| | | analysis was re-run and shared with the unaffiliated third party verifier, and was on list for the purpose of CIP-014-2. Given these two facts, there is no Potential |
| | | |
| rovide detailed description of Actual Risk | | n-compliance there were no instances where |
| | tem (BPS) was minimal. During the duration of no | n-compliance there were no instances where Facilities that |
| The actual impact to the Bulk Power Sys were rendered inoperable or damaged a dditional Comments: | tem (BPS) was minimal. During the duration of no | n-compliance there were no instances where |
| The actual impact to the Bulk Power Sys were rendered inoperable or damaged a | tem (BPS) was minimal. During the duration of no | n-compliance there were no instances where Facilities that portal. |

PRIVILEGED AND CONFIDENTIAL INFORMATION HAS BEEN REDACTED FROM THIS PUBLIC VERSION This item was signed by on 8/25/2017 This item was marked ready for signature by on 8/25/2017 MEMBER MITIGATION PLAN CLOSURE to verify completion of the Mitigation Plan. All Mitigation Plan Completion Certification submittals shall include data or information sufficient for additional data or information and conduct follow-up assessments, on-site or other Spot Checking, or Compliance Audits as it deems necessary to verify that all required actions in the Mitigation Plan have been completed and the Registered Entity is in compliance with the subject Reliability Standard. (CMEP Section 6.6) Data or information submitted may become part of a public record upon final disposition of the possible violation, therefore any confidential information contained therein should be marked as such in accordance with the provisions of Section 1500 of the NERC Rules of Procedure. Name of Registered Entity submitting certification: Name of Standard of mitigation violation(s): CIP-014-2 **NERC Violation ID** Requirement **Tracking Number** R2. Date of completion of the Mitigation Plan: 9/30/2016 1. Run Special Assessment Milestone Completed (Due: 7/31/2016 and Completed 6/17/2016) Attachments (0) Run substation in a special assessment and share with the unaffiliated third party verifier. Revisit best practices Milestone Completed (Due: 9/1/2016 and Completed 8/29/2016) Attachments (0) Revisit CIP 014 2 best practices with other 3. Modify and republish Methodology Milestone Completed (Due: 9/30/2016 and Completed 9/30/2016) Attachments (0) Modify and republish CIP 014 2 Methodology to incorporate the proposed approach stated in Section D 1 of the Mitigation Plan. Summary of all actions described in Part D of the relevant mitigation plan: an a special assessment and shared it with the unaffiliated third party, revisited Best Practices and modified and republished its Methodology. Description of the information provided to or their evaluation * Evidence will be provided on site if vishes to review such. I certify that the Mitigation Plan for the above-named violation has been completed on the date shown above. In doing so, I certify that all required Mitigation Plan actions described in Part D of the relevant Mitigation Plan have been completed, compliance has been restored, the above-named entity is currently compliant with all of the

requirements of the referenced standard, and that all information submitted is complete, true and correct to the best of my knowledge.

VIEW MITIGATION PLAN CLOSURE: CIP-014-2 (MITIGATION PLAN CLOSURE COMPLETED)