COVER PAGE

This filing contains sensitive information regarding the manner in which an entity has implemented controls to address security risks and comply with the CIP standards. NERC has applied redactions to the SNOPs in this filing and provided the justifications that are particular to each noncompliance in the table below. For additional information on the CEII redaction justification, please see <a href="https://doi.org/10.1001/justifications-needed-noncompliance-needed-n

Count	Violation ID	Category 1	Category 2	Category 3	Category 4	Category 5	Category 6	Category 7	Category 8	Category 9	Category 10	Category 11	Category 12	CEII PROTECTION (YEARS)
1	RFC2017018305	Yes		Yes	Yes	Yes	Yes		Yes					Category 1: 3 years; Category 2-
2	RFC2016016353	Yes		Yes	Yes		Yes				Yes			12: 2 years.
3	RFC2017018475	Yes		Yes	Yes		Yes							Category 1: 3 years; Category 2-
4	RFC2018019404	Yes		Yes	Yes		Yes		Yes	Yes				12: 2 years.
5	WECC2019021165	Yes		Yes	Yes								Yes	Category 1: 3 years; Category 2-
6	WECC2017017507	Yes		Yes	Yes					Yes				Category 2 – 12: 2 year
7	WECC2017017631	Yes		Yes	Yes					Yes				Category 2 – 12: 2 year
8	WECC2017017632	Yes		Yes	Yes					Yes				Category 2 – 12: 2 year
9	WECC2017017633	Yes		Yes	Yes				Yes	Yes				Category 2 – 12: 2 year
10	WECC2017017634			Yes	Yes					Yes	Yes			Category 2 – 12: 2 year
11	WECC2017018364	Yes		Yes	Yes					Yes	Yes			Category 2 – 12: 2 year
12	WECC2017017911	Yes		Yes	Yes			Yes		Yes				Category 2 – 12: 2 year
13	WECC2018018977	Yes		Yes	Yes			Yes		Yes	Yes			Category 2 – 12: 2 year
14	WECC2018019483	Yes		Yes	Yes			Yes		Yes				Category 2 – 12: 2 year
15	WECC2017018365			Yes	Yes					Yes	Yes			Category 2 – 12: 2 year
16	WECC2017017676	Yes		Yes	Yes	Yes				Yes				Category 1: 3 years; Category 2-12: 2 years.

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
RFC2017018305	CIP-005-3a	R2	Medium	Severe	9/9/2014 (when the entity failed to implement all CIP-005-3a R2 protections on the	11/3/2017 (when the entity implemented the required controls	Self-Report	2/9/2018	9/11/2018
Description of the Viola document, each violation a "violation," regardless	n at issue is des	cribed as	On August 30, 2017, the er 005-3a R2.	ntity submitted a Self-Repor	t stating that, as a			, i	t was in violation of CIP-
posture and whether it confirmed violation.)	was a possible,	or		e instances of an application ess points. The affected app		S) Cyber Asset (BCA) without the use of	f certain technical and p provides		ns for control of electronic
					tification. Ho <u>wever, the procedure was</u>	ts regarding firewall rules that allowed . When a firewall requesincomplete in that it did not include a	t was made, the <u>se depar</u>	·	e request for Interactive
			without the required netw	-		y access by default), 2.2 (enable only p ion prior to gaining access.		•	y's corporate user network monitoring), and 2.3
			without the use of an Inter	-	n of CIP-005-5 R2. The application log-o	n screen was reachable once the user lo 2016, when CIP version 5 went into effo	ogged into the SSL VPN,	directly from the corp which enforced encr	
			_	•	identified another instance where the In October 19, 2016. The entity complet	responsible remediation of this additional instan	for hosting the ce on November 3, 2017		ctly accessible via
			The root cause of the viola missing a step to require v		sufficient verification controls to ensu .	re the configuration was correct for the		and an insuffic	cient process which was
			The first violation (nded on May 9, 2017, when) started on the entity implemented the required pr	September 9, 2014, when the entity farotections for the	iled to implement all CIP	P-005-3a R2 protection	ons on the
			The second violation implemented the required	controls on the device.) sta	arted on July 1, 2016, when CIP version	5 became effective, and	ended on May 9, 20	17, when the entity
			The third violation (relating the required controls.	g to BCAs) start	ed on October 19, 2016, when the acce	ess was granted within an Intermediate	System, and ended Nov	ember 3, 2017, wher	the entity implemented
Risk Assessment			This violation posed a mod for CIP as a BES Cyber Syst authorized users the ability	em because its function <u>ality</u> y to view or change <u>the</u>	is critical to other BES Cyber Systems.		ant access to any critica	l, real-time application	
			Regarding the BCA in the t authorized administrators	after they have authenticate	ot perform any real-time BES functions ed against the entity's access system. T	to other applications on the same subn Additionally, access to the assets was he entity was also monitoring for failed need to authenticate to the applicatio	only available to internal authentication attempt	al entity users, and acts, performed annual	ccess is granted only to cyber vulnerability

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				•		re allowed on the network, and that the creates a vulnerability that can leverage	• •	e not reachable via th	nese means. Regardless,
Mitigation			user or VPN networks) are also implemented a To mitigate this violation, 1) created new firewall 2) held internal meeting 3) reviewed 4) deployed 5) updated	nd implemented a procedural procedural, the entity: rules denying direct access from the subject Matter Experts	. As control to update the dure that includes a reminder to add om all VPN networks and user networks to determine approaches for preven , tested approaches to reject any firewall request comin	ks. This change required all Interactive Fitting a future reoccurrence of this issue; as needed, and remediated where nece as noted in the rooting from a user or VPN networks destined and	ented a technical controsts from a User or VPN new Remote Access to ssary; cause explanation;	etwork to to use an Intermedia	. The entity
Other Factors			ReliabilityFirst reviewed to ReliabilityFirst considered were identified. The entitist violations, processes, a response in the future. Effective oversight of the Agreement. As a result, for the entity has relevant compensity. The prior nonco	the entity's internal compliance of the entity's cooperation durity voluntarily provided Reliab systems, and organization, and reliability of the BES depends ReliabilityFirst seeks to encountain to the provided ReliabilityFirst seeks to encountain the provided Reliability of the BES depends ReliabilityFirst seeks to encountain the provided ReliabilityFirst seeks to encountain the provided Reliability First seeks to encountain the provided Reliability First seeks to encountain the provided ReliabilityFirst seeks to encountain the provided Reliability first seeks to encountain the provid	ring the Settlement Agreement proces pilityFirst with information regarding the distribution of this insight has allowed ReliabilityFirst on robust and timely self-reporting by rage this type of self-reporting by away, ReliabilityFirst determined that the east hey involved different circumstance.	be a neutral factor in the penalty determ s and awarded mitigating credit. The en ne violations in a manner that was thoro est to better analyze the violations. Relia y registered entities. The entity self-ide	tity was proactive in worugh and timely. The entabilityFirst awarded a minute and reported some arrant an elevated risk an amount of time that has	rking with ReliabilityFity has been open witigating credit to encorred to encorred the violations at dishould not serve a	th ReliabilityFirst regarding burage this sort of sissue in the Settlement s a basis for an aggravated

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
RFC2016016353	CIP-007-3a	R2	Medium	Severe	4/24/2013 (9/30/2017 (Mitigation Plan completion)	Compliance Audit	9/30/2017	4/11/2018
Description of the Violation document, each violation a "violation," regardless posture and whether it confirmed violation.)	n at issue is des of its procedura	cribed as al	violation during a Compli- ReliabilityFirst determine enabled, and therefore it authorized were applicab justifications for the over disabled.	d that the entity documented someone documentation and baseling le to all ly broad port ranges. Addition that the positive not verifying that the positive documentation and baseling that the positive documentation and baseling that the positive documentation and baseling	d overly broad IP address port rates in its monitoring tool were of systems, which runnally, in one instance, the entit	anges. The entity did not make a sufficient de verly broad in that they authorized an overly be the entity's most critical systems, including the y did not identify an unauthorized port for a per were appropriate and necessary at the time to and ended on September 30, 2017, when the	termination to ensure the proad port range. In man ne energy management s hone system that was de the entity installed softwa	at only those ports the instances, the unne ystem. The entity coemed necessary because due to insufficient	cessary ports that were uld not produce use it could not be
Risk Assessment			for ports ranges is that ar authorizing overly broad defense-in-depth measur port ranges, only necessa asset. Third, the entity en Remote Access sessions, reached from any local near access management and regarding documenting p	n entity will enable unnecessary port ranges is that it reduces that were in place at the tirry ports were enabled during imployed all of the CIP-005 proand the assets were protected etwork, as well as the security only authorized a very limited orts and services on the assets.	try ports, thus increasing the entity's ability to detect unsime of the violation, including, for the period of noncompliance. Otections to the Electronic Secuted behind a designated Electrony monitoring requirements period number of users for administrations.	he reliability of the bulk power system based of tity's attack surface for unauthorized access to authorized access. The risk is somewhat mitig for example, the following measures. First, the Second, the entity required subject matter example perimeters (ESPs) containing the assets in it Access Point (EAP). The entity also employed CIP-007, including the detection of unauthorization and Interactive Remote Access to the EAP enced measures collectively would have restricted asservice on one of the assets.	b Bulk Electric System (BE ated here based on the for e entity was recently able pert confirmation of any question, including the u ed network segmentation ed login attempts. The r	(S) Cyber Systems. Acollowing factors. The to show that while it newly detected services of two-factor authorized to limit the scope of network segmentation. Lastly, the control could be accould have been (and account of the could be account of the count of the could be account of the count of the coun	dditionally, the risk of entity implemented authorized overly broad ce running on a CIP-scoped entication for Interactive what systems could be in includes:
Mitigation			 demonstrated effecting exercise to update the surface of the evider integrated the evider iterated through the necessary, and verified completed iteration of 	standards that require vendor veness of new evidence requirements e new evidence requirements ace requirements into the enti- remaining CIP-sed open ports on the assets we of the remaining CIP-scoped of	irements and validated necessa s and catalog metadata; city's ports and services policies scoped cyber assets to ensure c vith approved list; and	ompliance with new evidence requirements d	chosen in the au	dit data request. The	e entity will use the necessary ports as
Other Factors			ReliabilityFirst reviewed t ReliabilityFirst considered were identified. The enti	the entity's internal compliand the entity's cooperation dur ty voluntarily provided Reliab	ce program (ICP) and considere ing the Settlement Agreement ilityFirst with information regal	d it to be a neutral factor in the penalty determined by the penalty determined by the penalty determined by the violations in a manner that was those bilityFirst to better analyze the violations. Reliable by the violations.	ntity was proactive in wo ough and timely. The ent	ity has been open wi	th ReliabilityFirst regarding

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RFC2016016353	CIP-007-3a	R2	Medium	Severe	4/24/2013 (9/30/2017 (Mitigation Plan completion)	Compliance Audit	9/30/2017	4/11/2018
			Agreement. As a result, F The entity has relevant copenalty. The prior nonco	deliabilityFirst seeks to encour simpliance history. However, impliances are distinguishable	rage this type of self-reporting by a ReliabilityFirst determined that the as they involved different circums	g by registered entities. The entity self-ide warding some mitigating credit. e entity's compliance history does not warratances and root causes, in part because the ved such that the instant violations do not	ant an elevated risk and s amount of time that ha	should not serve as a s passed since mitiga	basis for an aggravated

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
RFC2017018475	CIP-010-2	R1	Medium	Severe	4/26/2017 (when the entity user installed the unauthorized application)	7/18/2017 (when the application was ultimately removed from the server)	Self-Report	6/21/2018	11/29/2018
Description of the Viola document, each violation a "violation," regardless posture and whether it confirmed violation.)	n at issue is des of its procedura	scribed as al	On April 26, 2017, an entirapplication was used by the in an individual application was not detect changes. However, on April 27, 201	ne analyst to real's home directory did not reted by the entity's tool,	require escalated privileges, so the ana because the software was installed scans detected the presence of an una	le directory on an Electronic Access Con lyst did not believe he needed to file a d ed in the analyst's home directory, which uthorized port which was yst that the software was not authorized	ntrol or Monitoring System change management req h is not subject to routing	uest (or test the apple	iate System. The . The work to install the
			expressed security concer application to the entity's port scans detect On July 11, 2017, the entity. Upon discover	ins with the software and off security review team, which ted the unauthorized port, and ty performed a review of receive, the entity investigated the in use and actively opened putherefore exceeding the required.	rered alternative applications for the argument was considered, and ultimately denied and, in each instance, the entity's IT teament changes to the authorized port "where issue and discovered that ports from April 26, 2017 to July 18, 202	to utilize the application was denied or nalyst to utilize. As part of the review produced on July 12, 2017. In the meantime, thems shut down the unauthorized port. Initelist" and noticed the unauthorized produced was still installed on a CIP Intermedian, when the application was ultimately per installation to update the baseline.	rocess, the analyst provide analyst continued to ut port on a CIP Intermediat ate System.	ded further business illize e System, attributabler. The application w	e to the as installed and was in-use
			analyst removed the appliconfiguration managemer	ication. This violation involvent, in that the entity's contro	es the management practices of workfo Is were insufficient to detect and mana		ining could have helped	orevent the violation	and asset and
Risk Assessment			This violation posed a moc could have introduced vul accepted connections from likelihood that someone co prior to installation. Additional	derate risk and did not pose inerabilities into the system on clients after the client logg ould successfully access the tionally, although the entity of	a serious or substantial risk to the relia or could have adversely affected the fu ged into a VPN with two-factor authent application and potentially compromis quickly identified the unauthorized app	ed application, and ended July 18, 2017, bility of the bulk power system based on nctionality of the EACMS. This risk was ication and authenticated to the Intermethe bulk power system. However, the blication, the entity failed to ensure that there was an increased risk of comprome	on the following factors. somewhat mitigated by nediate System through the risk is still moderate be the application was rem	The potential risk wa the following factors he cause the entity faile	s that the application . The application only . Thus, there was low d to test the application
Mitigation			2) counseled the analyst3) scanned for changes t4) implemented a tool to	rized application from the sy and the department staff or the home directory of the scan home directories on C of the initial home directory	n the importance of following the entit machine at issue. The entity refined d IP-scoped systems to look for scr	y's configuration and change managemetection rules to ensure scripts and soft ipts and locally installed software; and septions, determined if modifications to	tware in the home user d	irectories are detecte	ed;
Other Factors			ReliabilityFirst reviewed to	ne entity's internal complian	ce program (ICP) and considered it to b	e a neutral factor in the penalty detern	nination.		

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RFC2017018475	CIP-010-2	R1	Medium	Severe	4/26/2017 (when the entity user installed the unauthorized application)	7/18/2017 (when the application was ultimately removed from the server)	Self-Report	6/21/2018	11/29/2018
			were identified. The entitits violations, processes, so response in the future. Effective oversight of the Agreement. As a result, For the entity has relevant confequired). However, RF definitions are sufficiently for the entity has relevant confequired.	ry voluntarily provided Reliab ystems, and organization and reliability of the BES depends reliabilityFirst seeks to encour	on robust and timely self-reporting by awar the prior noncompliances resulted from based on repeat behavior because the	and awarded mitigating credit. The eneroic violations in a manner that was thoro to better analyze the violations. Relianted registered entities. The entity self-ided ding some mitigating credit. arguably similar contributing causes (i.prior noncompliances were all minimal	ugh and timely. The ent bilityFirst awarded a mit ntified and reported some. lack of understanding	ty has been open wit gating credit to enco he of the violations at on when change man	th ReliabilityFirst regarding urage this sort of issue in the Settlement issuement requests were

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RFC2018019404	CIP-010-2	R2	Medium	Severe	5/24/2017	2/20/2018 (when the entity remediated the baseline configuration issue)	Self-Report	7/31/2018	11/19/2018				
Description of the Violat	ion (For purpose	s of this	On March 13, 2018 and Ap	ril 17, 2018, the entity subm	nitted Self-Reports stating that, as a			, it was in violati	on of CIP-010-2 R2.				
document, each violatio													
a "violation," regardless posture and whether it v confirmed violation.)	-			7, four firewalls which are cl	irst incident, the entity did not monitor assified as Electronic Access Control or I e not monitored for baseline changes u	Monitoring Systems (EACMS) were pla	ced into service; howeve	er, the firewalls were	not added to the entity's				
			In the second incident, the entity did not monitor two Protected Cyber Assets (PCAs) at least once every 35 days for changes to the baseline configuration as required by CIP-010-2 R2. A July 5, 2017, the entity performed an upgrade on two PCAs which caused some of the baseline elements to return an error in the entity's monitoring tool because some the upgrade failed. However, because the entity's monitoring tool was able to reconcile the error with a change ticket for the upgrade, the change was "auto-promoted" meaning it was acceptable and not investigated further. On January 9, 2018, an analyst discovered the issue on one asset and immediately remediated it. On January 10, 2018, the analyst ran a report the assets were affected and discovered the second adversely affected asset.										
			responsibility it was to noti of configuration monitoring	fy the entity's monitoring to g. In the second incident, the nmunication issues which re as limited. used to erroneous	in this violation. In the first incident, the pol to monitor the baseline element; and e file-retrieving software used by esulted in an error communication. How ly reconcile a baseline change from July the ticket.	d since the process was unclear, it was was older than the version on the ever, the error was not caught becaus	not followed effectively ntity's other similar devi e the integration betwee	, resulting in the four ces. Therefore, the olen the system	EACMS being left outside der-version of the file- m and the These				
			This violation involves the management practice of verification because there was an error in the entity's verification process in that, during the verification process, the error was incorrectly reconciled with the change ticket.										
			This noncompliance started configuration issue.	on May 24, 2017, which is	the date the firewalls were placed into	service in the first instance and ended	on February 20, 2018, w	hen the entity remed	iated the baseline				
Risk Assessment			This violation posed a moderate risk and did not pose a serious or substantial risk to the reliability of the bulk power system based on the following factors. The risk posed by this violation is the for an unauthorized user to change the baseline configuration without the entity's knowledge. The risk is partially reduced because in the second incident just 2 of the entity's PCAs we affected by the violation. Further reducing the risk, all other CIP controls were in place for the affected assets in the second incident. including logs and anti-virus protection which would alert the attreat caused by the failure to monitor the firewalls. Minimizing the risk in the first incident, in order to reach the firewalls from an administration perspective required two-factor authentication use of an Intermediate Device; further all Bulk Electric System (BES) Cyber Asset and PCAs behind the firewalls were also afforded all protections as defined by the NERC CIP Standards. However, incident had a duration of more than 7 months before it was discovered by the entity's internal controls.										
Mitigation			To mitigate this violation, t	To mitigate this violation, the entity:									
			assets daily; 2) performed a reconciliar 3) reviewed the 4) identified/documented 5) performed a reconciliar 6) held a meeting to dete	scans for the affection to discover any other assembles.	cted assets per the entity's guration difference for the affected assessets affected with older version of a file	. No actions ets. The entity created a ticket with rede-retrieving software;	fected assets. The entity needed, no changes det quest to resolve issue; sure all configuration ba	ected;	to scan the affected peing monitored;				

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						2/20/2018 (when the entity			
RFC2018019404	CIP-010-2	R2	Medium	Severe	5/24/2017	remediated the baseline	Self-Report	7/31/2018	11/19/2018
						configuration issue)			
Other Factors			9) collected and created a 10) configured test enviror configuration solution 11) validated that impleme future content excepti 12) trained staff on new so ReliabilityFirst reviewed th ReliabilityFirst considered were identified. The entity its violations, processes, sy response in the future. Effective oversight of the r Agreement. As a result, Re The entity has relevant cor penalty. The prior noncom	to identify to determine review frequence that ion was successful and cons originating from unknown anning error parameters and entity's internal compliance the entity's cooperation during voluntarily provided Reliables stems, and organization and eliability of the BES depends eliability first seeks to encounting increase are distinguishable and increase are distinguishable.	s for content scans within and a scanning of the second content so that a scanning oncy and overall process with provided expected data that will assist on errors; and do how to adjust for future inclusions. The program (ICP) and considered it to be ong the Settlement Agreement process lityFirst with information regarding the this insight has allowed ReliabilityFirst on robust and timely self-reporting by age this type of self-reporting by award ReliabilityFirst determined that the entas they involved different circumstance.	e entity created an inventory based on gerror will pick up specific changes like; in error identification and baseline recommendate an aneutral factor in the penalty determinant awarded mitigating credit. The entity obster analyze the violations. Reliable registered entities. The entity self-identification some mitigating credit.	previously identified end a new version of a file-report	or types; etrieving software. To cumented process for the violations at should not serve as a spassed since mitigation.	or implementation in irst once the violations h ReliabilityFirst regarding urage this sort of issue in the Settlement basis for an aggravated

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NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
WECC2019021165	CIP-010-2	R1; P1.4.1; P1.4.2; P1.4.3; P1.5.1; P1.5.2	Medium	Severe	2/14/2019 (when the entity changed the configuration by removing the software)	2/26/2019 (when the entity assessed the security controls according to CIP-010)	Self-Report	2/26/2019	6/11/2019
Description of the Viol document, each violat "violation," regardless whether it was a possi	ion at issue is de of its procedura	scribed as a I posture and	of a daily delta report for Cyber Systems (HIBCS) lo environment, had interfasending false errors to the error reporting. The could be impacted by the CIP-010-2 R1 Part 1.4 subsuch testing as required by have been adversely affer	ces used to send data from e software vendor through a BCAs were then turned on, a change or verifying that are p-parts 1.4.1, 1.4.2, and 1.4.2 by CIP-010-2 R1 Part 1.5 subcted, the verification results		are removed on February 14, 2019. The cause the BCAs were scheduled to face, resulting in the software vendonceurred without the entity first determined and adversely affected, once that the changes in a production or tested on February 26, 2019, when the such ange was documented, for a violation of the change was documented.	ric System (BES) Cyber As The BCAs, although of the decommissioned. The or calling the entity and in ermining the required cyb ne change had taken place t environment prior to in ecurity controls in CIP-00 ation duration of 13 days	ssets (BCAs) associate connected to the network software, which was nitiating the software per security controls in the ce; nor documenting applementing the chards and CIP-007 were detailed.	d with its High Impact BES work and in the production a part of the interface, was removal to solve the false in CIP-005 and CIP-007 that any results as required by inge and did not document letermined, verified to not
			personnel deciding to no	t follow the entity's change	cement determined the entity failed control and configuration management of the software posed no threat to the	ent processes. Specifically, based on	the expertise and knowl	edge of the senior pe	rsonnel and a contractor
Risk Assessment			existing baseline configur controls were not advers results prior to implemen BCA to another, which co	eation related to BCAs, to ely affected; and document ating the change as required and potentially affect the relationship.	•	d cyber security controls in CIP-005 a lired by CIP-010-2 R1 Part 1.4, as well e could have caused the BCA interfac	and CIP-007 that could be Il as failed to test in a pro ces to become inoperable	impacted by the chared uction or test environs and affect traffic tha	nge; verify those identified onment and document the t was being sent from one
			good detective controls i isolated incident and not	n the form of a daily delta re condoned by the entity's m	vere turned off and not capable of se eport for baseline configuration chan anagement, which lessens the likelih	ges which is how this issue was disco	overed. Lastly, WECC cor		-
Mitigation			 verified the security updated its basel created awarene 	ine configuration for a chan ss of the importance of follo	configuration change and documente ge that deviated from an existing bas wing the change management proced causing the violation is no longer wit	seline configuration; dures by sending a security awarene	ss email to personnel wit	h authority to implem	ent baseline changes; and
Other Factors					gram (ICP) and considered it to be a nor noncompliance which is how this v	,	d due diligence to detect	this violation. Addition	onally, the entity's ICP
					nce with CIP-010-2 R1 given NERC Vio		ermined it should not se	rve as a basis for aggr	avating the penalty
			WECC considered the en	tity personnel's choice not to	o follow the Standard and Requireme	ent to be an aggravating factor in tre	ating this violation in a S	ettlement Agreement	instead of as an FFT.

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WECC2017017507	CIP-005-5	R1: P1.1	Medium	Severe	07/01/2016	07/25/2017	Self-Report	12/04/2018	02/22/2019
Description of the Vio document, each viola "violation," regardless whether it was a poss	tion at issue is des s of its procedural	cribed as a posture and	it was in potential nonco within the Electronic Sec was located within a Phy BCA and submitted four a After reviewing all releva 1.1. This violation began 390 days of noncomplian	urity Perimeter (ESP), sical Security Perimeter (PSP additional Self-Reports. ant information, WECC determined on July 1, 2016, when the State.	. Specifically, during an internal audit, and a number of the entity determined the entity failed to place the Etandards and Requirements became recommends.	classified as a BES Cyber Asset ined it had not provided the pro BCA connected to a network via mandatory and enforceable, an	(BCA) associated with a Med otective measures of CIP-007 a a routable protocol, within	ium Impact BES Cyber -6 R1, R2, and R5, and a defined ESP as requ	System (MIBCS). The BCA CIP-010-2 R1 to the same tired by CIP-005-5 R1 Part
Risk Assessment			WECC determined these minimal risk and did not CIP-007-6 R1, R2, and R5 Failing to locate this BCA to fail or manipulate a results in the entity not be the entity and allow an a	e violations (WECC20170175 pose a serious and substant , and CIP-010-2 R1 to one BC within an ESP and provide it whice being able to compare the cuttacker entry to the device.	o a lack of knowledge of the capabilities of the capabilities of the capabilities of the Standard at the entire to obtain authorization for challenges of the BES. Failing to timely update	7632, WECC2017017633, WECower System (BPS). In these instead protective measures of CIP-02 dards and Requirements could ity; thereby potentially affecting recommended and approved.	tances, the entity failed to proceed to the control of the control	PACS as described emotely accessed by a illing to create a basel instance, could be op itions and potentially	measures of CIP-005-5 R1, I herein. In attacker with the intent ne for configuration en without knowledge of ead to diminished
			the entity's network, pre located within a PSP. The system would automatic and could have utilized h	venting the BCA from being e BCA was used as a ally switch to one of the back is capability to quickly switch	kup sources within 30 seconds. If	nts unless a specific rule was creere were two backup sources one backup devices, in the event	eated to allow that communicated to allow that communicated by a second	cation path. To contro (tl tem Operator would h	I physical access, it was ne BCA) were to fail, the nave received an alarm
Mitigation			To mitigate this violation 1) placed the BCA in 2) trained technicia	nside the ESP; and	ge of legacy devices and the function	ality of those devices.			
Other Factors			These violations (WECC2 and WECC2017018365)	017017507, WECC20170176	31, WECC2017017632, WECC201701 reliability of the BPS. However, due to	7633, WECC2017614526, WEC			
			WECC considered the en	tity's compliance history and	l determined there were no relevant i	nstances of noncompliance.			

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
WECC2017017631	CIP-007-6	R1: P1.1	Medium	High	07/01/2016	05/17/2017	Self-Report	09/07/2017	10/08/2019
Description of the Violat document, each violatio "violation," regardless o and whether it was a po violation.)	n at issue is desc f its procedural p	ribed as a osture	was in potential noncompletectronic Security Perime within a Physical Security After reviewing all relevatory CIP-007-6 R1 Part 1.1. were documented in a basic	eter (ESP), Perimeter (PSP). On May 9 nt information, WECC deter This violation began on July seline configuration, for a to	pecifically, during an internal audit conc	a BES Cyber Asset (BCA) associal provided the protective measure ogical network accessible ports or irements became mandatory and	ted with a Medium Impact Bes of CIP-007-6 R1, R2, and R5	ES Cyber System (MI , and CIP-010-2 R1 to ermined to be neede	BCS). The BCA was located the same BCA.
Risk Assessment			risk and did not pose a set R2, and R5, and CIP-010-2 Failing to locate this BCA fail or manipulate a the entity not being able allow an attacker entry to effects on the Cyber Asset However, as compensation entity's network, prevent within a PSP. The BCA was automatically switch to outilized his capability to contact the contact of the post	within an ESP and provide it which to compare the current con the device. Failing to obtats and the BES. Failing to time, the entity had implementing the BCA from being access used as a me of the backup sources with the EACMS and the EACMS	figuration to that which was recomment in authorization for changes to baseline nely update baseline configurations counted managed policy rules for monitorin essed from other network segments unlessed from other network segments and segments are network segments.	rds and Requirements could increase and Requirements could increase and approved. Open ports are configurations could result in middlead to incorrect assumptions of the BCA and it was in a networkess a specific rule was created to	PACS as described to provide the process of the BPS. Failing to a services, for instance, could sconfigurations and potential which could result in failure of a segment that limited permisulation part allow that communication part, the System Operator would result in the primary	tective measures of Obed herein. ely accessed by an atcreate a baseline for d be open without krown by lead to diminished remanipulation of Cylosions to communicate th. To control physic (the BCA) were defined have received an accessed bedone the control physic the BCA) were defined the control physic the BCA.	tacker with the intent to configuration results in lowledge of the entity and abilities or unanticipated per Assets. e with other parts of the al access, it was located e to fail, the system would larm and could have
Mitigation				the entity has: nabled logical network acce		ity of those devices.			
Other Factors			WECC2017018365) pose Settlement Agreement w	d a minimal risk to the relial ith a \$0 penalty.	31, WECC2017017632, WECC20170176 bility of the BPS. However, due to the not be also the second determined there were no relevant installations.	umber of violations and Cyber Ass	·	•	·

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation		
WECC2017017632	CIP-007-6	R2: P2.1	Medium	Moderate	07/01/2016	05/09/2017	Self-Report	08/24/2018	10/23/2019		
Description of the Violation document, each violation "violation," regardless of and whether it was a poviolation.)	n at issue is desc f its procedural p	ribed as a oosture	was in potential nonco the Electronic Security within a Physical Securi After reviewing all relevas required by CIP-007 added to the patch sou	on May 22, 2017, the entity submitted a Self-Report stating, as a was in potential noncompliance with CIP-007-6 R2. Specifically, during an internal audit conducted on April 26, 2017, the entity discovered it had not completed the placement of one within the Electronic Security Perimeter (ESP), used as the placement of one within a Physical Security Perimeter (PSP). On May 9, 2017, the entity determined it had not provided the protective measures of CIP-007-6 R1, R2, and R5, and CIP-010-2 R1 to the same BCA. In the reviewing all relevant information, WECC determined the entity failed to identify a source or sources that the entity tracks for the release of cyber security firmware patches applicable to the BCA is required by CIP-007-6 R2 Part 2.1. This violation began on July 1, 2016, when the Standards and Requirements became mandatory and enforceable, and ended on May 9, 2017, when the BCA was dided to the patch source tracking spreadsheet, for a total of 313 days of noncompliance.							
Risk Assessment			WECC determined these violations (WECC2017017507, WECC2017017631, WECC2017017632, WECC2017017633, WECC2017017634) individually and collectively posed a minim risk and did not pose a serious and substantial risk to the reliability of the Bulk Power System (BPS). In these instances, the entity failed to provide the protective measures of CIP-005-5 R1, CIP-007-6 R R2, and R5, and CIP-010-2 R1 to one BCA as described herein and provide the protective measures of CIP-010-2 R1 to reasonable to compare the current configuration to that which was recommended and approved. Open ports and services, for instance, could be open without knowledge of the entity and allow an attacker entry to the device. Failing to obtain authorization for changes to baseline configurations could lead to incorrect assumptions which could result in failure or manipulation of Cyber Assets								
However, as compensation, the entity had implemented managed policy rules for monitoring the BCA and it was in a network segment that limited per entity's network, preventing the BCA from being accessed from other network segments unless a specific rule was created to allow that communication within a PSP. The BCA was used as a possible to one of the backup sources within 30 seconds. If the primary would automatically switch to one of the backup sources within 30 seconds. If to one of the backup devices, in the event they needed to manually bypass the BCA internal audits which is how the instances with the EACMS and PACS were discovered. No harm is known to have occurred.							ow that communication p the primary , the System Operat	ath. To control physicath. To control physicath (the BCA) we or would have receive	cal access, it was located re to fail, the system ed an alarm and could		
Mitigation To mitigate this violation, the entity has: 1) added the BCA to the patch source tracking spreadsheet; 2) trained technicians to increase their knowledge of legacy devices and the functionality of those devices; and 3) updated its process to require all new Cyber Assets to go through a documented commissioning process before being connected to tadding Cyber Assets to the patch tracking spreadsheet and documenting baseline configurations.							connected to the operation	ons network or deplo	yed into an ESP to include		
Other Factors ECC determined that the entity's compliance history should not serve as a basis for aggravating the penalty because the previous relevant history was an issue in 2014 that posed minimal risk indicative of broader compliance issues.							sed minimal risk and not				

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation			
WECC2017017633	CIP-007-6	R5: P5.1- P5.7	Medium	Severe	07/01/2016	02/15/2019	Self-Report	02/15/2019	TBD			
Description of the Viola document, each violatio "violation," regardless of and whether it was a po- violation.)	on at issue is desc of its procedural p	ribed as a oosture	was in potential noncon the Electronic Security P within a Physical Securit	erimeter (ESP), used as the y Perimeter (PSP). On May	Specifically, during an internal and company, and company, and company, the entity determined in	nudit conducted on April 26, 2017, the er lassified as a BES Cyber Asset (BCA) assoc t had not provided the protective measur e method(s) to enforce authentication of	iated with a Medium Impact l res of CIP-007-6 R1, R2, and R	BES Cyber System (M 5, and CIP-010-2 R1 t	BCS). The BCA was located o the same BCA.			
			other generic account types, identify individuals who have authorized access to shared accounts, change known default passwords, enforce the required password length and complexity, enforce password changes at least once every 15 calendar months; and limit the number of unsuccessful authentication attempts or generate alerts after a threshold of unsuccessful authentication attempts who technically feasible on the BCA, as required by CIP-007-6 R5 Parts 5.1 through 5.7. This violation began on July 1, 2016, when the Standards and Requirements became mandatory and enforceable, at ended on February 15, 2019, when the protective measures as required by CIP-007-6 R5 Parts 5.1 through 5.6 were implemented and for Part 5.7 when the entity submitted a Technical Feasible Exception, for a total of 960 days of noncompliance. The root cause of the BCA violations was attributed to a lack of knowledge of the capabilities and functions of the BCA.									
Risk Assessment			WECC determined these risk and did not pose a s	WECC determined these violations (WECC2017017507, WECC2017017631, WECC2017017632, WECC2017017633, WECC2017614526 and WECC2017017634) individually and collectively posed a minimal isk and did not pose a serious and substantial risk to the reliability of the Bulk Power System (BPS). In these instances, the entity failed to provide the protective measures of CIP-005-5 R1, CIP-007-6 R1, and R5, and CIP-010-2 R1 to one BCA as described herein and provide the protective measures of CIP-010-2 R1 to one BCA as described herein.								
			Failing to locate this BCA within an ESP and provide it the protective measures of the Standards and Requirements could increase the risk of it being remotely accessed by an attacker with the intent to fail or manipulate a primary which could affect at the entity; thereby potentially affecting the reliability of the BPS. Failing to create a baseline for configuration results in the entity not being able to compare the current configuration to that which was recommended and approved. Open ports and services, for instance, could be open without knowledge of the entity and allow an attacker entry to the device. Failing to obtain authorization for changes to baseline configurations could result in misconfigurations and potentially lead to diminished abilities or unanticipated effects on the Cyber Assets and the BES. Failing to timely update baseline configurations could lead to incorrect assumptions which could result in failure or manipulation of Cyber Assets.									
			entity's network, prever within a PSP. The BCA w would automatically swi have utilized his capabili	ating the BCA from being actives used as a tch to one of the backup so ty to quickly switch the	cessed from other network segn , but ther urces within 30 seconds. If		allow that communication p . If the primary , the System Operat	ath. To control physical (the BCA) we cor would have received	cal access, it was located re to fail, the system ed an alarm and could			
Mitigation			•	· ·	access by changing the default p							
			 added new passwords to password safe and only allowed access to technicians with authorization to shared accounts in the password safe; changed the default passwords for all accounts; procedurally enforced password requirements; 									
			 6) tracked password changes in account database to be changed at least every 15 calendar months; 7) submitted to WECC a Technical Feasibility Exception for the Cyber Assets in scope not capable of limiting the number of unsuccessful authentication attempts or generate alerts after a threshold of unsuccessful authentication attempts; 8) trained technicians to increase their knowledge of legacy devices and the functionality of those devices; and 									
Western Flectricity Coord		(500)				hnical personnel, the CIP subject matter eng, and asset name/role tags during the a	•	essments.	management to discuss			

Other Factors	These violations (WECC2017017507, WECC2017017631, WECC2017017632, WECC2017017633, WECC2017614526, WECC2017017634, WECC2017017911, WECC2018018977, WECC2018019483, and
	WECC2017018365) posed a minimal risk to the reliability of the BPS. However, due to the number of violations and Cyber Assets in scope, WECC escalated the disposition treatment to an Expedited
	Settlement Agreement with a \$0 penalty.
	WECC determined that the entity's compliance history should not serve as a basis for aggravating the penalty because the previous relevant history consisted of an issue in 2011 and one in 2014 that posed minimal risk and are not indicative of a broader issue.

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation		
WECC2017017634	CIP-010-2	R1: P1.1; P1.2; P1.3	Medium	Moderate	07/01/2016	05/18/2017	Self-Report	11/16/2018	08/13/2019		
Description of the Violation document, each violation "violation," regardless of whether it was a possible	on at issue is desc of its procedural p	ribed as a oosture and	was in potential nonco	Perimeter (ESP), used as the	Specifically, during an internal a	udit conducted on April 26, 2017, the entity assified as a BES Cyber Asset (BCA) associate thad not provided the protective measures	d with a Medium Impact	BES Cyber System (M	IBCS). The BCA was located		
			1.1.4; for EACMS a	same PACS, made changes that deviated from the existing baseline configuration without updating the baseline configuration within 30 calendar days from completing the change as required by							
After reviewing all relevant information, WECC determined the entity failed to develop baseline configuration for EACMS that included any logical network accessible produced from the existing baseline configuration for EACMS and PACS as required by Part 1.2 calendar days of completing a change that deviated from the existing baseline configuration as requirements became mandatory and enforceable, and ended on May 18, 2017, when a port scan an oncompliance. The CIP-010-2 R1 instances related to the EACMS and PACS ended on June 7, 2017, when							010-2 R1 Part 1.4 sub-part configuration for art 1.3. This violation be BCAs baseline configuration	EACMS and EACMS and Pegan on July 1, 2016 ration was updated,	nd document changes that ACS as necessary within 30, when the Standards and for a total of 322 days of		
			The root cause of the BCA violations was attributed to a lack of knowledge of the capabilities and functions of the BCA. The root cause of the violations related to the EACMS and PACS was attributed to less than adequate training and miscommunications. Specifically, steps were overlooked or not performed correctly because they were being performed infrequently.								
Risk Assessment			WECC determined these risk and did not pose at R2, and R5, and CIP-01 Failing to locate this B0 fail or manipulate at the entity not being about and allow an attacker of the entity and allow an attacker of the entity and allow an attacker of the entity not being about the entity and allow an attacker of the entity and allow an attacker of the entity and allow an attacker of the entity and the	se violations (WECC20170175 serious and substantial risk to 0-2 R1 to one BCA as describ CA within an ESP and provide whice ole to compare the current co entry to the device. Failing to	to the reliability of the Bulk Power and herein and provide the protect it the protective measures of the hould affect at the profiguration to that which was reposited authorization for change	T7017632, WECC2017017633, WECC2017614 r System (BPS). In these instances, the entity ctive measures of CIP-010-2 R1 to two EACM e Standards and Requirements could increase entity; thereby potentially affecting the reliacommended and approved. Open ports and es to baseline configurations could result in reline configurations could lead to incorrect as	4526 and WECC20170176 of failed to provide the risk of it being remulability of the BPS. Failing to services, for instance, comisconfigurations and positive provides and provided the provided t	is 34) individually and contective measures of (corribed herein. Otely accessed by an accessed by access	attacker with the intent to or configuration results in knowledge of the entity nished abilities or		
			entity's network, preve within a PSP. The BCA would automatically sy have utilized his capab	enting the BCA from being ac was used as a witch to one of the backup so ility to quickly switch the	ccessed from other network segment, but there ources within 30 seconds. If to one of the beautiful EACMS and PACS were discovered.	ackup devices, in the event they needed to red.	ow that communication the primary , the System Opera	path. To control phys (the BCA) w ator would have recei	ical access, it was located ere to fail, the system ved an alarm and could		
Mitigation			No harm is known to have occurred. To mitigate this violation, the entity has: 1) updated and authorized baseline configurations on the Cyber Assets in scope of these violations; 2) trained technicians to increase their knowledge of legacy devices and the functionality of those devices;								

	 updated its process to require all new Cyber Assets to go through a documented commissioning process before being connected to the operations network or deployed into an ESP to include documenting baseline configurations; and updated the change management software to require: a. a documented baseline configuration be completed as part of the commissioning process before deploying into an ESP; and b. employees to update the baseline configuration on Cyber Assets before they can close the request for change.
Other Factors	These violations (WECC2017017507, WECC2017017631, WECC2017017632, WECC2017017633, WECC2017017634, WECC2017017911, WECC2018018977, WECC2018019483, and WECC2017018365) posed a minimal risk to the reliability of the BPS. However, due to the number of violations and Cyber Assets in scope, WECC escalated the disposition treatment to an Expedited Settlement Agreement with a \$0 penalty. WECC considered the entity's compliance history and determined there were no relevant instances of noncompliance.

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation			
WECC2017018364	CIP-006-6	R1: P1.5	Medium	Severe	07/01/2016		Compliance Audit	11/6/2018	08/19/2019			
Description of the Violation document, each violation a "violation," regardless posture and whether it confirmed violation.)	on at issue is desc of its procedura	ribed as I	demonstrate that it was maccess through a physical at 1.5. The root cause of the viola	During a Compliance Audit conducted , WECC determined the entity, as a , had a potential noncompliance with CIP-006-6 R1 Parts 1.4 and 1.5. Specifically, for three PSPs controlling access to MIBCSs, the entity was unable to demonstrate that it was monitoring for unauthorized access through a physical access point into each PSP as required by CIP-006-6 R1 Part 1.4, and alarms or alerts in response to detected unauthorized access through a physical access point into each PSP were issued to the personnel identified in the BES Cyber Security Incident response plan within 15 minutes of detection as required by CIP-006-6 R1 Part 1.5. The root cause of the violation was attributed to a misinterpretation of the Requirement Parts. Specifically, the entity believed if the PSPs were manned, no monitoring or automated alarming or alerting								
Risk Assessment			on when WECC determined this viol a physical access point into Security Incident response Such failure could potentia them to escape undetected	was needed, as such, the entity suppressed the alarms during business hours. This violation began on July 1, 2016, when the Standard and Requirement became mandatory and enforceable, and ended on when the entity turned on the forced entry and door held open alarms during business hours, for a total of days of noncompliance. WECC determined this violation posed a minimal risk and did not pose a serious and substantial risk to the reliability of the BPS. In this instance, the entity failed to monitor for unauthorized access through a physical access point into three PSPs and issue an alarm or alert in response to detected unauthorized access through a physical access point into said PSPs to the personnel identified in the BES Cyber Security Incident response plan within 15 minutes of detection, as required by CIP-006-6 R1 Parts 1.4 and 1.5. Such failure could potentially result in an attacker gaining access to critical systems without the entity's knowledge, prolonging the time the attacker could use for nefarious purposes and possibly allow them to escape undetected. An attacker could also monitor, manipulate, or disable Cyber Assets without entity knowledge. However, as compensation the PSPs were manned and one of the PSPs was equipped with a camera to observe the interior of the room.								
Mitigation			To mitigate this violation, the entity has: 1) activated alarms for existing forced entry and door held open alarms during business hours; 2) updated its technician procedure for testing physical security mechanisms to include language from the Standard as a reminder of the requirements for compliance which includes verifying tha door forced open and held open alarms are always communicated to the System Operators; and 3) provided training to its technical personnel on what is required for compliance with CIP-006-6 R1 and the updated procedure.									
Other Factors			These violations (WECC2017017507, WECC2017017631, WECC2017017632, WECC2017017633, WECC2017017634, WECC2017017634, WECC2018018977, WECC2018019483, and WECC2017018365) posed a minimal risk to the reliability of the BPS. However, due to the number of violations and Cyber Assets in scope, WECC escalated the disposition treatment to an Expedited Settlement Agreement with a \$0 penalty. WECC considered the entity's compliance history and determined there were no relevant instances of noncompliance.									

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
WECC2017017911	CIP-007-6	R2: P2.3	Medium	Severe	10/01/2016	05/09/2017	Self-Report	09/21/2018	10/08/2019
Description of the Violation document, each violati "violation," regardless and whether it was a p violation.) Risk Assessment	on at issue is desc of its procedural p	ribed as a oosture	in potential noncomplian Specifically, on August 2 conversion of its network However, the entity did r without incident, for a to The causes of this violation was not clear who was re experiencing a server har	6, 2016, the entity evaluated from switching to routing, in the create a dated mitigation tall of 221 days of noncompleton were attributed to: 1) a lassponsible for creating a mitedware failure which requires	yber Assets in scope were associated a security patch as applicable t was unable to install the security plan within 35 calendar days of liance. The security patch as applicable to install the security plan within 35 calendar days of liance. The security patch as applicable to escalate security igation plan or how the mitigation of the software to be installed on	y patch on the EACMS without interrupti the evaluation completion as required y patch reminder emails that were not a n plan would be tracked to ensure comp different hardware delaying the evaluat	ng service to its distribution S by Part 2.3. On May 9, 2017, acted upon, 2) less than adequal eletion by the stated date, and tion of security patches for ap	upervisory Control ar the entity was able t uate patch managem d 3) software being u pplicability.	nd Data Acquisition system. To install the security patch ent procedure in that it sed to track patches
NISK ASSESSIFIER			35 calendar days of the e evaluation completion, a Such failures could have However, as a corrective	valuation completion for on s required by CIP-007-6 R2 P prolonged the presence of s control for the BCAs and EA	ne security patch identified as apported a	EACMS and failed to app EACMS and failed to app exploited, could allow unauthorized acce that the Control Systems engineer was an an ESP and PSP with restricted electro	oly one applicable security par ess to or misuse of Cyber Asse in constant communication w	BCAs with tch to BCAs with ts that impact the re- vith the technicians, §	in 35 calendars days of the liability of the BPS giving them verbal
Mitigation			To mitigate this violation 1) evaluated securit 2) installed the app 3) provided addition 4) implemented an 5) updated its patch 6) trained technicia 7) created an annua 8) updated its patch month from the o 9) changed the emato ensure the tas 10) implemented em	by patches released since the licable security patch. In all training to technical staff internal control to daily bach management program to come on the new process; all task to review the patch management program with day of applicability determinal task reminders from being k is completed; and ailing reports of due or past	f on security patching activities; k-up the server and provide an all clearly define the process for creat management program with techning language stating that upon deter mation; g sent to just the technicians but the due change request tickets to as	ert to technical staff with the status of t ting a mitigation plan when a security pa cians to reinforce the entire patch mana mination of the applicability of a patch, also to management staff and the	atch cannot be installed; agement program; a change request shall be crea , who will escal	late past-due tasks to	supervisors and follow-up
Other Factors			WECC determined that the indicative of broader com		ry should not serve as a basis for	aggravating the penalty because the pre	evious relevant history was an	i issue in 2014 that po	osed minimal risk and not

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NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation	
WECC2018018977	CIP-007-6	R2: P2.3	Medium	Severe	09/29/2017	01/02/2018	Self-Report	10/05/2018	10/10/2019	
Description of the Violation document, each violation "violation," regardless of and whether it was a position.)	n at issue is deso f its procedural	cribed as a posture	it was in potential nonce. Specifically, for the first was installed on of second instance, on Aug June 24, 2017, and agai required by Part 2.3. He The causes of this violat was not clear who was in	instance, on August 24, 2017, and performing cyber vulnerathe EACMS on December 20, gust 16, 2017, the entity evaluation, between, the entity applied the ion were attributed to: 1) a latersponsible for creating a mitigater.	The Cyber Assets in scope were the entity evaluated a security ability assessments, the installant 2017, and a mitigation plan was uated a security patch as application, the entity of security patch on January 2, 20 ack of controls to escalate security plan or how the mitigation.	patch as applicable to EACMS which it plation of the security patch was overlooked, and as created for the EACMS which was outside of the 35 was delayed in applying the security patch and 218, for a total of 96 days of noncompliance.	Ino timely action was to ecember 21, 2017, for a calendar day window f d went beyond the 35 ca upon, 2) less than adeq on by the stated date, an	aken as required by F duration of 84 days from the previous evalendar days since the uate patch managem d 3) software being u	eart 2.3. The security patch of noncompliance. For the aluation which occurred on e evaluation completion, as	
Risk Assessment			experiencing a server hardware failure, which required the software to be installed on different hardware delaying the evaluation of security patches for applicability. WECC determined this violation posed a minimal risk and did not pose a serious and substantial risk to the reliability of the BPS. In these instances, the entity failed to create a dated mitigation plan within 35 calendar days of the evaluation completion for one security patch identified as applicable to EACMS and failed to apply one applicable security patch to BCAs within 35 calendars days of the evaluation completion, as required by CIP-007-6 R2 Part 2.3. Such failures could have prolonged the presence of software vulnerabilities, which if exploited could allow unauthorized access to or misuse of Cyber Assets that impact the reliability of the BPS However, as a corrective control for the BCAs and EACMS in scope, the entity ensured that the Control Systems engineer was in constant communication with the technicians, giving them verbal guidance on the issue during the noncompliance. Additionally, the PACS resided within an ESP and PSP with restricted electronic and physical access. The entity did not implement controls to prevent or detect these violations.							
Mitigation			To mitigate this violatio 1) evaluated secur 2) installed the applications of the ap	ity patches released since the plicable security patch. conal training to technical staff in internal control to daily back the management program to coans on the new process; all task to review the patch much management program with day of applicability determinal task reminders from being sk is completed; and	Fon security patching activities; k-up the server and provide an a learly define the process for cre nanagement program with techn language stating that upon det nation; g sent to just the technicians bu	alert to technical staff with the status of the baating a mitigation plan when a security patch nicians to reinforce the entire patch managemermination of the applicability of a patch, a chart also to management staff and the	cannot be installed; ent program; ange request shall be cre , who will esca	ŕ	ith a due date one calendar o supervisors and follow-up	
Other Factors			These violations (WECC2017017507, WECC2017017631, WECC2017017632, WECC2017017633, WECC2017614526, WECC2017017634, WECC2017017911, WECC2018018977, WECC2018019483, and WECC2017018365) posed a minimal risk to the reliability of the BPS. However, due to the number of violations and Cyber Assets in scope, WECC escalated the disposition treatment to an Expedited Settlement Agreement with a \$0 penalty. WECC determined that the entity's compliance history should not serve as a basis for aggravating the penalty because the previous relevant history was an issue in 2014 that posed minimal risk and not indicative of broader compliance issues.							

\$0

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
WECC2018019483	CIP-007-6	R2: P2.2	Medium	Lower	01/31/2018	02/01/2018	Self-Report	05/21/2019	10/09/2019
Description of the Viola document, each violation "violation," regardless of and whether it was a positionation.)	on at issue is desc of its procedural p	ribed as a oosture	was in potential noncor Specifically, on Decemb once every 35 calendar The causes of this violat was not clear who was	der 26, 2017, the entity evaluadays, per Part 2.2, which show tion were attributed to, 1) a large	ted security patches for Photos patches patches for Photos patches patches for Photos patches patches for Photos patches	ACS. The next evaluation did not occur until for a total of two days of noncompliance. ty patch reminder emails that were not acted on plan would be tracked to ensure completion different hardware delaying the evaluation	d upon, 2) less than adequon by the stated date, and	uate patch managem d 3) software being u	ent procedure in that it sed to track patches
Risk Assessment			WECC determined this very evaluate security patch. Such failures could have attacker gained access attacker to manipulate, in constant communica	violation posed a minimal risk es for applicability that have be prolonged the presence of so to a PACS, they could deny PS disable, or destroy Cyber Ass tion with the technicians, givi	and did not pose a serious and speen released since the last eval oftware vulnerabilities, which if P access to authorized personneets critical to the BPS. However	substantial risk to the reliability of the BPS. In uation from the source or sources identified exploited could allow unauthorized access to I or allow entry to unauthorized persons. The as a corrective control for the BCAs and EAC issue during the noncompliance. Additionally	these instances, the enti in Part 2.1 for PACS o or misuse of Cyber Asset e PSP controlled access to CMS in scope, the entity e	ty failed to at least or , as required by CIP- ts that impact the rel o the MIBCS that if co	nce every 35 calendar days, 207-6 R2 Part 2.2. Tability of the BPS. If an Impromised could allow an Irol Systems engineer was
Mitigation			To mitigate this violation, the entity has: 1) evaluated security patches released since the previous evaluation; 2) installed the applicable security patch. 3) provided additional training to technical staff on security patching activities; 4) implemented an internal control to daily back-up the server and provide an alert to technical staff with the status of the back-up; 5) updated its patch management program to clearly define the process for creating a mitigation plan when a security patch cannot be installed; 6) trained technicians on the new process; 7) created an annual task to review the patch management program with technicians to reinforce the entire patch management program; 8) updated its patch management program with language stating that upon determination of the applicability of a patch, a change request shall be created that same day with a due date or month from the day of applicability determination; 9) changed the email task reminders from being sent to just the technicians but also to management staff and the to ensure the task is completed; and 10) implemented emailing reports of due or past due change request tickets to assignees and management as an additional control.						
Other Factors			These violations (WECC2017017507, WECC2017017631, WECC2017017632, WECC2017017633, WECC2017614526, WECC2017017634, WECC2017017911, WECC2018018977, WECC2018019483, and WECC2017018365) posed a minimal risk to the reliability of the BPS. However, due to the number of violations and Cyber Assets in scope, WECC escalated the disposition treatment to an Expedited Settlement Agreement with a \$0 penalty. WECC determined that the entity's compliance history should not serve as a basis for aggravating the penalty because the previous relevant history consisted of an issue in 2014 that posed minimal risk and not indicative of broader compliance issues.						

NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation		
WECC2017018365	CIP-007-6	R4: P4.2; Sub-part 4.2.2	Medium	High	07/01/2016		Compliance Audit	11/07/2018	10/09/2019		
Description of the Violation (For purposes of this document, each violation at issue is described as a "violation," regardless of its procedural posture and whether it was a possible or confirmed violation.)			During a Compliance Audit conducted , WECC determined the entity, as a , was in potential noncompliance with CIP-007-6 R4 Part 4.2 sub-part 4.2.2. Specifically, the entity failed to generate alerts for the detected failure of event logging on BCAs, BCAs, BCAs, and BCAs associated with the MIBCS located at								
			designed to weed Requirement beca	out false positives was in fa	CC Enforcement concurs with the audact suppressing alerts for failed loging able to the entity, and ended on Augoncompliance.	not associated with two-factor	authentication. This violation b	egan on July 1, 2016, whe	n the Standard and		
Risk Assessment			WECC determined this violation posed a minimal risk and did not pose a serious and substantial risk to the reliability of the BPS. In this instance, the entity failed to generate alerts for security events that included detected failure of event logging for BCAs, BCAs, BCAS, and BCAS associated with the MIBCS located at a serious and substantial risk to the reliability of the BPS. In this instance, the entity failed to generate alerts for security events as required by CIP-007-6 R4 Part 4.1 sub-part 4.2.2.								
			The entity did not implement controls to detect or prevent this violation. However, as compensation the entity was able to collect logs locally even though alerting was not enabled. Additionally, a corrective control for the BCAs and EACMS in scope, the entity ensured that the Control Systems engineer was in constant communication with the technicians, giving them verbal guidance on t issue during the noncompliance. The PACS resided within an ESP and PSP with restricted electronic and physical access.								
Mitigation			 updated the second of the second of the second or the secon	s technician procedure to i	guration and the SIEM alert rule which noted more detail on configuring the	e Windows auditing section; and	d	yber Assets, and decomm	issioned one Cyber Asset;		
Other Factors			3) completed initial and annual testing to ensure the SIEM is receiving and alerting on login attempts for the Cyber Assets in scope. These violations (WECC2017017507, WECC2017017631, WECC2017017632, WECC2017017633, WECC2017614526, WECC2017017634, WECC2017017911, WECC2018018977, WECC2018019483, and WECC2017018365) posed a minimal risk to the reliability of the BPS. However, due to the number of violations and Cyber Assets in scope, WECC escalated the disposition treatment to an Expedited Settlement Agreement with a \$0 penalty.								
			WECC determined that the entity's compliance history should not serve as a basis for aggravating the penalty because the previous relevant history consisted of an issue in 2014 that posed minimal risk and not indicative of broader compliance issues.								

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NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation
WECC2017017676	CIP-002-5.1	R1, P1.1, P1.2	High	Lower	7/1/2016 (when the Standard and Requirement became mandatory and enforceable on the entity)	3/15/2019 (when the entity completed mitigating activities)	Self-Report	3/15/2019	4/2/2019
Description of the Violati document, each violati "violation," regardless whether it was a possil	on at issue is des of its procedural	scribed as a posture and	violation of CIP-002-5.1 R Specifically, on March 8, 2 that Remote Termina was subsequently evaluat since the RTU resided in a Cyber Asset, due to its rol entity. In addition, the en- part of its Medium Impact devices; of the RTUs was because these devices we WECC determined that the part of its HIBCS and MIBC The root cause of the no- Specifically, since the RTU minute impact analysis.	2017 during the planning are all Unit (RTU) was not considered, through the entity's estable facility containing HIBCS. The in the State of the sta		he RTU was not identified as a High in process, as being a Cyber Asset. The e functionality, was recognized as a d. During mitigation of the violation, s. Regarding the scope increase of he RTUs were missing in the initial index and Requirements should be apply a required by CIP-002-5.1 R1 Part 1.1 sidering each of its assets for purposition, the entity believed they we	The entity detenew class of BES Cyber RTUs; the entity handered deviced and 1.2. Specifically, asses of identify the interenon-BES assets, and the entity the entity the interenon-BES assets, and the entity	rmined that the RTU sharer System, which had no more RTUs that it failed incorrectly identified ore were never identified ces, as applicable. the entity did not identified the many properties of BES Cybern did not inclined therefore did not inclined therefore did not inclined the second	a) associated with a HIBCS, ould be classified as a BES t previously existed at the led to correctly identify as of the RTUs as non-CIP d. WECC determined that fy and protect RTUs as er Systems at each asset ude them in the initial 15-
Risk Assessment			Such failure could have re to misconfigurations, inva the RTUs were serially co and protected as a HIBCS	FUs associated with its HIBC esulted in the compromise of the data being sent, introduce nnected and as such had not provide control fundamental funda	sk and did not pose a serious or substant S and MIBCS, as required by CIP-002- of the RTUs, any adjacent Cyber Assets to the RTUs, any adjacent Cyber Assets to the RTUs, any adjacent Cyber Assets to routable network connectivity; based to constant was configured to only transportective measures of CIP-007-6 applier	5 R1 Part 1.1 and 1.2. s, and the associated HIBCS or MIBCs of the BCAs; thereby potentially affection configuration information was assmit, not receive, data; and the other	S; to include gaining c ecting the reliability an maintained on the RT	complete control of the Indisecurity of the BPS. H	BCAs which could have led owever, as compensation nould have been classified
Mitigation			1) correctly identifie 2) verified whether Requirements, 3) identified eight ga	e this violation, the entity hed and documented the Figure 1. The RTUs were compliant was aps in its control design and eholders to address the idea.	RTUs in scope; vith applicable CIP Standards and Req control operations;	uirements, and where they were no	rt, applied the necess	ary protective measures	s of the CIP Standards and

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NERC Violation ID	Reliability Standard	Req.	Violation Risk Factor	Violation Severity Level	Violation Start Date	Violation End Date	Method of Discovery	Mitigation Completion Date	Date Regional Entity Verified Completion of Mitigation		
WECC2017017676	CIP-002-5.1	R1, P1.1, P1.2	High	Lower	7/1/2016 (when the Standard and	3/15/2019 (when the entity	Self-Report	3/15/2019	4/2/2019		
					Requirement became mandatory	completed mitigating activities)					
					and enforceable on the entity)						
	5) updated its process, procedures, and controls;										
			6) communicated ch	anges to its Change Advisor	ry Board; and						
			7) provided awarene	ss and training to applicabl	e individuals within its organization.						
Other Factors			WECC reviewed the entity	's internal compliance prog	ram (ICP) and considered it to be a ne	utral factor in the penalty determina	tion.				
	WECC considered the entity's CIP-002-5.1 R1 compliance history to be an aggravating factor in the penalty determination.										