

FFT Summaries

NB Power Self-Reports- December 2017, May 2018 and June 2018

Entity	NBCRN	EUBVTN	Standard	Req	Compliance Issue	Risk Assessment	Mitigation Action
NB Power	NBCR001	2017015	PRC-005-6	R3	On December 22, 2017, NB Power submitted a Self-Report stating that, as a Transmission Owner (TO), it had a compliance issue relating to PRC-005-6 R3. PRC-005-6 R3 requires a TO that utilizes time-based maintenance program(s) to maintain its Protection System, Automatic Reclosing, and Sudden Pressure Relaying Components that are included within the time-based maintenance program in accordance with the minimum maintenance activities and maximum maintenance intervals. NB Power was one month late for maintenance on 12 of 52 battery banks having a 4-month maintenance interval because the technician assumed the maintenance dates were not rigid and could be rescheduled and were 5 days late on 1 battery bank having an 18- month maintenance interval because the battery bank was mislabeled in the scheduling system.	NB Power utilizes battery chargers that are designed to carry the full DC load without the batteries. NB Power also monitors and alarms DC voltage, ground fault and the health of the battery chargers in real time over their SCADA system. Given the relatively short exceedance of the maintenance intervals, and the monitoring and alarming of the battery charger configuration, this issue is deemed to be of low risk to the BPS. No harm is known to have occurred.	To mitigate this issue: 1) On June 26, 2017, NB Power completed overdue inspections on the 12 battery banks having a 4-month maintenance interval; and 2) On October 5, 2017, NB Power completed overdue inspection on the one battery bank having an 18-month maintenance interval; and 3) On December 19, 2017, NB Power delivered training on the importance of completing NERC related maintenance within the specified maintenance intervals; and 4) On June 29, 2018, NB Power began generating a periodic report that will list uncompleted work orders associated with PRC-005; and 5) on May 11, 2018, NB Power created an email alert in their work order system that detects when a work order is coming due

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							and sends out an email; and 6) On August 01, 2018, NB Power reviewed BES protection systems information to ensure proper labelling of devices requiring testing; and 7) On July 06, 2018, NB Power developed a process for reviewing, updating and validating the information in NB Power transmission's asset/maintenance management system.
NB Power	NBCR001	2018003	EOP-004-3	R3	On May 24, 2018, NB Power submitted a Self- Report stating that it had a compliance issue relating to EOP-004-3 R3. EOP-004-3 R3 requires each responsible entity to validate all contact information contained in the Operating Plan pursuant to Requirement R1 each calendar year. NB Power failed to validate all contact information contained in their Operating Plan in 2017 because of the retirement of an employee and the replacement employee not being immediately aware of the responsibility to validate the contact information.	The PV was of limited duration occurring from January 1, 2018 to January 24, 2018 when the contact information was validated. The requirement for an annual review of contact information is deemed to be an administrative matter and has been removed from the newest version of EOP-004, which becomes effective in NB in October 2019. No harm is known to have occurred.	To mitigate this issue: 1) On January 24, 2018, NB Power validated the contact information; and 2) On September 01, 2018, NB Power clearly assigned the task of validating the contact list to an individual and the task will be managed on SharePoint.

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NB Power	NBCR001	2018004	VAR-002-4	R3	On June 26, 2018, NB Power submitted a Self- Report stating that, as a Generator Operator (GOP), it had a compliance issue relating to VAR-002-4 R3. VAR-002-4 R3 requires a GOP to notify its associated Transmission Operator (TOP) of a status change on the power system stabilizer (PSS) within 30 minutes of the change. NB Power took Mactaquac Unit 4 offline for maintenance along with its functioning PSS. Unit 4 was brought back online on September 25, 2017 without the PSS and the SCADA point used to communicate the status of the PSS to the TOP was not fully operational. Mactaquac did not notify the TOP that the PSS for Unit 4 was not operating until October 4, 2017.	The PV occurred from September 25, 2017 to October 4, 2017 when the TOP was notified of the status of the PSS. Mactaquac Unit 4 has the ability to operate in AVR mode and provide reactive support to the BPS when the PSS is out of service. There are no known scenarios that rely on the PSS in question being online to maintain the reliability of the BPS and there are no system operator actions to posture the system when the PSS in question is offline. No harm is known to have occurred.	To mitigate this issue: 1) On October 05, 2017, NB Power added a step to notify the TOP of PSS status when bringing a unit back online from an outage; and 2) On November 03, 2017, NB Power added a SCADA point which provides the TOP with real time status of the PSS; and 3) On October 23, 2018, NB Power made PSS status of units 2 to 6 more visible to generator operators on their control display; and 4) On May 30, 2018, NB Power updated their in-plant procedure to require TOP approval to bring a unit on line without a functioning PSS; and 5) On June 09, 2018, NB Power provided training to their operators on the updated procedure.