



NORTHEAST POWER COORDINATING COUNCIL, INC.
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Procedure For NPCC Bulk Electric System Asset Database

Compliance Procedure 09
(CP-09)

Revision 2

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Review and Re-Endorsed Requirements

This document will be reviewed every two years from the effective date, or as appropriate for possible revision. The existing or revised document will be re-endorsed by the NPCC Compliance Committee.

1. Introduction and Purpose

- 1.1. This document outlines the actions taken by Northeast Power Coordinating Council (NPCC) to maintain and validate a database that contains all of the United States Bulk Electric System (BES) assets within NPCC. The database described herein contains the United States assets within NPCC. A separate listing of the BES assets is maintained by NPCC for each of the four NPCC Canadian jurisdictions.
- 1.2. The NPCC Asset Database is Critical Energy Infrastructure Information (CEII) and is for NPCC internal use only.
- 1.3. The maintenance of this Asset Database provides NPCC with an accurate listing of validated facilities that are considered during the implementation of the CMEP.

2. Responsibilities

- 2.1 The Assistant Vice President (AVP), Compliance shall exercise oversight to ensure that this Compliance Procedure is adhered to by NPCC.
- 2.2 NPCC Compliance Staff are responsible for carrying out this Compliance Procedure.
- 2.3 NPCC Compliance Staff may consult the NPCC Compliance Committee regarding technical and/or administrative issues concerning the implementation of this Compliance Procedure.

3. Overview

- 3.1 The Asset Database is an enhancement to NPCC's registration database.
- 3.2 The Asset Database identifies the generation and transmission BES assets of Registered Entities in NPCC.
- 3.3 The BES generation and transmission assets are those identified as meeting the FERC approved definition of BES.
- 3.4 For each generation BES asset in NPCC, the Asset Database identifies the Generation Owner, the Generation Operator, and the associated Balancing Authority and Reliability Coordinator.
- 3.5 For each transmission BES asset in NPCC, the Asset Database identifies the Transmission Owner, the Transmission Operator, and the associated Reliability Coordinator and/or Balancing Authority.

4. Asset Database

- 4.1 NPCC will maintain an Asset Database using:
 - 4.1.1 Existing information obtained directly from Registered Entities, including the responses to previous BES transmission and generator information requests.
 - 4.1.2 Information submitted to the BESnet system.
- 4.2 For generation BES assets, the Asset Database should contain, at a minimum, the following information:
 - 4.2.1 Generator Station name

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- 4.2.2 Generator Unit name (if applicable) or number of units
- 4.2.3 Generation Type
- 4.2.4 Generator Owner
- 4.2.5 Generator Operator
- 4.2.6 Balancing Authority
- 4.2.7 Reliability Coordinator
- 4.2.8 Installed or Nameplate Capacity (MVA)
- 4.2.9 Blackstart Resource Status
- 4.3 For transmission BES assets, the Asset Database should contain, at a minimum, the following information:
 - 4.3.1 Transmission Asset name
 - 4.3.2 Transmission Asset Type (Line, Substation, Reactive Power Device, Transformer, etc.)
 - 4.3.3 Transmission Asset Owner
 - 4.3.4 Transmission Asset Operator
 - 4.3.5 Balancing Authority
 - 4.3.6 Reliability Coordinator
 - 4.3.7 Voltage Level(s) (kV)
 - 4.3.8 A-10 Status
- 4.4 See Attachment 1 for examples of BES asset templates.

5. Asset Database Validation

- 5.1 Upon examination of the existing data listed in Section 4 of this Compliance Procedure, NPCC may take the following actions as necessary to validate the Registered Entity Asset Database:
 - 5.1.1 Cross-reference the data with the information collected during the Inherent Risk Assessments of the entity.
 - 5.1.2 Compare the data against publicly available information such as:
 - 5.1.2.1 NYISO Load and Capacity Report (Gold Book)
 - 5.1.2.2 ISONE Forecast Report of Capacity, Energy, Loads, and Transmission (CELT) Report, updated annually (<https://www.iso-ne.com/system-planning/system-plans-studies/celt>)
 - 5.1.2.3 ISO-NE Seasonal Claimed Capability Reports, updated monthly (<https://www.iso-ne.com/isoexpress/web/reports/operations/-/tree/seson-claim-cap>)
 - 5.1.2.4 ISO-NE listing of BES Transmission Assets posted on OASIS, updated monthly (http://www.oasis.oati.com/ISNE/ISNEdocs/TOA_Sched_2-01A_and_B_and_BES_Facilities.pdf)

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- 5.1.3 Compare the Asset Database to entity provided one-line diagrams.
- 5.2 NPCC will identify areas where there may be gaps or potential errors in the Asset Database, based on the validation conducted in accordance with Section 5.1.
- 5.3 NPCC may request that an entity confirm that the data for the assets in the Asset Database are correct and may request that an entity reconcile any potential discrepancies in the data.
- 5.4 NPCC may request BA, TOP, and/or RC to confirm information in the Asset Database if the BA, TOP, and/or RC is not the asset owner.

6. **Asset Database Maintenance**

- 6.1 NPCC will maintain the Asset Database through entity communications during Registration activities. NPCC may use publicly available sources of information if available.
- 6.2 In updating or validating Asset Database information using RTO data sources as a reference, if discrepancies or issues are identified, NPCC will work with RTOs and the entity to resolve discrepancies.
- 6.3 The Asset Database shall be designated as Critical Energy Infrastructure Information (CEII).
- 6.4 NPCC shall maintain and destroy the Asset Database, including all legacy versions of the Asset Database, in accordance with Sections 501 and 502 of the NERC Rule of Procedure and with NPCC's policies and procedures on records retention and data destruction.

7. **Document Revision History**

Revision	Reason for Change	Endorsed by	Date
0	Original issue.	NPCC CC	June 13, 2017
1	General edits	NPCC CC	March 22, 2018
2	General clarifying edits. Added Attachment 1	NPCC CC	June 12, 2018

8. **Periodic Review Date** – complete if no changes required within 2 years of last revision

Revision No. and Date reviewed	Performed By	Date



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Attachment 1 – BES Asset Template Examples

Transmission Lines and Reactive Devices

Owner NCR	Transmission Owner (NCR Name)	Parent Company	Circuit/Equip Type	Circuit/Equip ID	RC	BA	TOP	PC	From Bus Name	From Bus kV	From Bus is A10?	To Bus Name	To Bus kV	To Bus is A10?	Was This Element Already a Registered BES Element Before 7/1/16?	Newly Captured by BESnet effective 7/1/16?	Is this Element Part of a Critical Transfer Path?	Comments (BA = Built After 7/1/16)
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Generation

Owner NCR	Generator Owner (NCR Name)	Parent Company	Generating Station/Site Name	Individual Unit ID/Name	Generator Type/Source	Gross MVA Nameplate	Low Side GSU Voltage?	BES Connection Voltage?	Does the site connect to an A10 bus?	Does FAC-003 apply?	Blackstart capable?	RC	BA	TOP (ISO Level only)	GOP for site (include NCR if diff than GO)	PC	Connecting TO	Name of Connecting TO's Substation	Was This Element Already a Registered BES Element Before 7/1/16?	Newly Captured by BESnet effective 7/1/16?	Comments (BA = Built After 7/1/16)
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