	CROP.25003 Select a Frequency Source	
© 2023	Approved By: Director, Operations	Effective Date: 02/28/2023
Rev # 7	Procedure Owner: Manager, Control Room Operations	Valid Through: 02/28/2025

Conditions to Enter

1. The currently selected frequency source fails but does **NOT** meet the tolerance level to switch; Or
2. The currently selected frequency source fails and the automatic frequency source selection function fails.

References

[None]

Procedure Background

Frequency sources will automatically switch to the next perceived good quality frequency source on the Generation Telemetered Data EMS page if the current source fails. Manual intervention may be required if the bad source values do **NOT** meet the tolerance level to switch, or the automatic function fails. When manually selecting a frequency source it is preferable to use the next available “valid” source.

The newly selected frequency source will be used in the ACE calculation. All other frequency sources may be used as reference points to aid in determining separation points on the system.

Common Procedure Information

- A. Any ISO-NE qualified Control Room Operator has the authority to take actions required to comply with NERC Reliability Standards. A qualified ISO-NE Control Room Operator has met the following requirements:
 1. Have and maintain a NERC certification at the RC level (per R.1 of PER-003-2)
 2. Applicable Requirements of PER-005-2
 3. Approved to cover a Control Room Operator shift position by the Manager, Control Room Operations
 4. Is proficient at the current qualified level.
- B. Real time operation is defined as the current hour and the current hour plus one.
- C. Future hours are those beyond Real-Time operation.
- D. All verbal communications with Local Control Centers (LCC), neighboring Reliability Coordinators/Balancing Authorities (RC/BA), Designated Entities (DE), Demand Designated Entities (DDE) and/or SCADA centers shall be made on recorded phone lines unless otherwise noted.
- E. For all communications:
 1. Use the Basic Protocol for All Operational Communications as prescribed in M/LCC 13.
 2. Use 'ISO New England' or 'New England'. Refrain from using 'ISO'.
 3. Use Asset ID's when communicating with DE/DDEs.
 4. Use three-part communication in all situations where its use will enhance communication.
- F. Primary responsibilities are stated for each step within the procedure, but any ISO Control Room Operator qualified at that position or higher can perform the step. The Primary Responsibility may be delegated to an Operator in a lower qualified position, but the responsibility for its completion remains with the identified individual.
- G. The use of "ensure" within this document means that a verification has been performed and if the item is not correct, corrective actions will be performed.

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Step 1 Primary Responsibility: Loader Operator

Access the Generation Telemetered Data display.

Instructions

Performed by:

- ☐ Clicking “RTG”;
- ☐ Clicking the “TELEM” button.

Step 2 Primary Responsibility: Loader Operator

Determine the frequency source that should be used.

Instructions

Only use a frequency source that has a data quality of valid.

Notes

Frequency sources are listed in a preferred order of selection, normally the top most source with a data quality of “Valid” should be selected.

Step 3 Primary Responsibility: Loader Operator

Select the desired frequency source.

Instructions

Perform the following:


- ☐ Set the flag in the “Prime” column, this will force EMS to use that as the frequency source;
- ☐ If desired, set the flag in the “Skip” column to prevent EMS from trying to select the failed source.

Step 4 Primary Responsibility: Loader Operator

Log the frequency source selected.

Instructions

Use log entry: > GENERATION > Frequency Source Change

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Revision History

Rev. No.	Date (MM/DD/YY)	Reason	Contact
0	02/15/13	Initial revision of this Procedure	Steven Gould
1	09/04/13	Correct RTNET to RTGEN	Steven Gould
2	05/18/15	Periodic Review	Steven Gould
3	04/04/17	Biennial Review	Steven Gould
4	09/11/17	Administrative update of modification of procedure format	Steven Gould
5	04/17/19	Biennial Review	Steven Gould
6	03/23/21	Biennial Review	Steven Gould
7	02/28/23	Updated Common Procedure Information, Added instructions to Step 1.	Jonathan Gravelin