

Standards Authorization Request Form

Request to propose a new or a revision to a Reliability Standard

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|---|--|---------|--|
| Title of Proposed Standard: | NERC Glossary of Terms - Phase 2: Revision of the Bulk Electric System definition (This is a supplement to the original SAR for this project which was approved by the Standards Committee on April 12, 2012.) | | |
| Date Submitted: | January 16, 2013 | | |
| SAR Requester Information | | | |
| Name: | Peter Heidrich | | |
| Organization: | FRCC and Chair of the Definition of Bulk Electric System Standards Drafting Team | | |
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| SAR Type (Check as many as applicable) | | | |
| <input type="checkbox"/> New Standard | <input type="checkbox"/> Withdrawal of existing Standard | | |
| <input checked="" type="checkbox"/> Revision to existing Standard | <input type="checkbox"/> Urgent Action | | |

SAR Information

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| Industry Need (What is the industry problem this request is trying to solve?): |
| Address the directives in FERC Order 773 issued December 20, 2012. |
| Purpose or Goal (How does this request propose to address the problem described above?): |
| Address the directives in FERC Order 773 issued December 20, 2012. |
| Identify the Objectives of the proposed standard's requirements (What specific reliability deliverables are required to achieve the goal?): |
| Address the directives in FERC Order 773 issued December 20, 2012. |
| Brief Description (Provide a paragraph that describes the scope of this standard action.) |
| Address the directives in FERC Order 773 issued December 20, 2012. |

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| SAR Information |
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| Detailed Description (Provide a description of the proposed project with sufficient details for the standard drafting team to execute the SAR. Also provide a justification for the development or revision of the standard, including an assessment of the reliability and market interface impacts of implementing or not implementing the standard action.) |
| Address the directives in FERC Order 773 issued December 20, 2012. |

| Reliability Functions | |
|--|---|
| The Standard will Apply to the Following Functions (Check each one that applies.) | |
| This section is not applicable as the SAR is for a definition which is about Elements. Applicability of entities is covered in Section 4 of each Reliability Standard. | |
| <input type="checkbox"/> Regional Reliability Organization | Conducts the regional activities related to planning and operations, and coordinates activities of Responsible Entities to secure the reliability of the Bulk Electric System within the region and adjacent regions. |
| <input type="checkbox"/> Reliability Coordinator | Responsible for the real-time operating reliability of its Reliability Coordinator Area in coordination with its neighboring Reliability Coordinator’s wide area view. |
| <input type="checkbox"/> Balancing Authority | Integrates resource plans ahead of time, and maintains load-interchange-resource balance within a Balancing Authority Area and supports Interconnection frequency in real time. |
| <input type="checkbox"/> Interchange Authority | Ensures communication of interchange transactions for reliability evaluation purposes and coordinates implementation of valid and balanced interchange schedules between Balancing Authority Areas. |
| <input type="checkbox"/> Planning Coordinator | Assesses the longer-term reliability of its Planning Coordinator Area. |
| <input type="checkbox"/> Resource Planner | Develops a >one year plan for the resource adequacy of its specific loads within a Planning Coordinator area. |
| <input type="checkbox"/> Transmission Planner | Develops a >one year plan for the reliability of the interconnected Bulk Electric System within its portion of the Planning Coordinator area. |
| <input type="checkbox"/> Transmission Service | Administers the transmission tariff and provides transmission services |

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| Reliability Functions | |
|--|---|
| Provider | under applicable transmission service agreements (e.g., the pro forma tariff). |
| <input type="checkbox"/> Transmission Owner | Owns and maintains transmission facilities. |
| <input type="checkbox"/> Transmission Operator | Ensures the real-time operating reliability of the transmission assets within a Transmission Operator Area. |
| <input type="checkbox"/> Distribution Provider | Delivers electrical energy to the End-use customer. |
| <input type="checkbox"/> Generator Owner | Owns and maintains generation facilities. |
| <input type="checkbox"/> Generator Operator | Operates generation unit(s) to provide real and reactive power. |
| <input type="checkbox"/> Purchasing-Selling Entity | Purchases or sells energy, capacity, and necessary reliability-related services as required. |
| <input type="checkbox"/> Market Operator | Interface point for reliability functions with commercial functions. |
| <input type="checkbox"/> Load-Serving Entity | Secures energy and transmission service (and reliability-related services) to serve the End-use Customer. |

| Reliability and Market Interface Principles | |
|---|---|
| Applicable Reliability Principles (Check all that apply). | |
| X | 1. Interconnected bulk power systems shall be planned and operated in a coordinated manner to perform reliably under normal and abnormal conditions as defined in the NERC Standards. |
| X | 2. The frequency and voltage of interconnected bulk power systems shall be controlled within defined limits through the balancing of real and reactive power supply and demand. |
| X | 3. Information necessary for the planning and operation of interconnected bulk power systems shall be made available to those entities responsible for planning and operating the systems reliably. |
| X | 4. Plans for emergency operation and system restoration of interconnected bulk power systems shall be developed, coordinated, maintained and implemented. |
| X | 5. Facilities for communication, monitoring and control shall be provided, used and maintained for the reliability of interconnected bulk power systems. |
| X | 6. Personnel responsible for planning and operating interconnected bulk power systems shall be trained, qualified, and have the responsibility and authority to implement actions. |
| X | 7. The security of the interconnected bulk power systems shall be assessed, monitored and maintained on a wide area basis. |

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| Reliability and Market Interface Principles | |
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| x | 8. Bulk power systems shall be protected from malicious physical or cyber attacks. |
| Does the proposed Standard comply with all of the following Market Interface Principles? | |
| 1. A reliability standard shall not give any market participant an unfair competitive advantage. | Y |
| 2. A reliability standard shall neither mandate nor prohibit any specific market structure. | Y |
| 3. A reliability standard shall not preclude market solutions to achieving compliance with that standard. | Y |
| 4. A reliability standard shall not require the public disclosure of commercially sensitive information. All market participants shall have equal opportunity to access commercially non-sensitive information that is required for compliance with reliability standards. | Y |

| Related Standards | |
|-------------------|-------------|
| Standard No. | Explanation |
| N/A | N/A |

| Related SARs | |
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| SAR ID | Explanation |
| Project 2010-17: NERC Glossary of Terms - Phase 2: Revision of the Bulk Electric System definition | This is the original SAR for the BES definition project – Phase 2. This SAR is a supplement to the original SAR. |

| Regional Variances | |
|--------------------|-------------|
| Region | Explanation |
| ERCOT | N/A |
| FRCC | N/A |

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| Regional Variances | |
|--------------------|-----|
| MRO | N/A |
| NPCC | N/A |
| RFC | N/A |
| SERC | N/A |
| SPP | N/A |
| WECC | N/A |