Compliance Guidance
Implementation Guidance

Craig Struck, Senior Auditor
November 18, 2020
It is NERC’s policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition. It is the responsibility of every NERC participant and employee who may in any way affect NERC’s compliance with the antitrust laws to carry out this commitment.
Participants are reminded that this meeting is public. Notice of the meeting was widely distributed. Participants should keep in mind that the audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.
• Compliance Guidance Policy
• Program Enhancements
• Development, Review, and Endorsement Process
• Tools & Resources
• Question & Answers
  ▪ Submit Your Questions via Chat Feature During Webinar
    ○ Focus is on process, not on Specific Implementation Guidance Documents
• Multiple Guidance Documents
  ▪ CANs, CARs, Directives, Bulletins, etc.

• Desire to Consolidate Guidance
  ▪ Reduce Confusion

• Compliance Guidance Review Team
  ▪ Recommendation to NERC BOT
    o Finite/Limited Guidance Tools

• NERC BOT Approved CG Policy

• Supporting Tools and Resources Developed
Compliance Guidance Policy

Compliance Guidance (CG)

CMEP Practice Guides (PG)

Implementation Guidance (IG)
• CMEP Practice Guides (PG)
  - How CMEP Personnel Execute CMEP Activities
  - Developed by ERO Enterprise for ERO Enterprise
    - Approved by ERO Enterprise CMEP Management
  - Publically Posted
  - Current Practice Guides
    - Reliability Standard or Topic Specific
      - TOP-001-4, IRO-002-5, CIP-007-6, etc.
      - Phased Implementation of Reliability Standards
      - Annual/Calendar Month Guidelines
      - Auditor Deference to Implementation Guidance
      - Inverter Based Resources
      - BES Cyber Systems
    - 11 Approved / 3 Under Development
• **Implementation Guidance (IG)**
  - Examples or Approaches
    - Industry “Implement” Reliability Standards
  - Developed by Industry for Industry
    - Pre-Qualified Organization (PQO)
    - Standard Drafting Team (SDT)
    - Regional Entity Stakeholder Committees
  - Does Not Guarantee Compliance
    - Not only way to comply
    - Facts, Circumstances, and Configurations
  - Industry Vetted
  - Endorsed by ERO Enterprise
  - Publically Posted
• Implementation Guidance (continued)
  
  ▪ Current Implementation Guidance
    
    o 31 Endorsed
      – 20 Critical Infrastructure Protection (CIP)
      – 11 Operations & Planning (O&P)
    
    o 2 Under Review
      – O&P
    
    o 7 Under Development
    
    o CIP Lessons Learned and FAQ Documents
      – Were Accepted as IG
• Experience Gained
  ▪ Lessons Learned
  ▪ Best Practices
  ▪ Improvement Opportunities

• Desire for Industry Input
  ▪ Industry Surveys
    ▪ Developers
    ▪ Reviewers
    ▪ Users

• Resulted in Enhanced Process and Tools
• Survey Results – Common Themes
  o Transparency/Knowledge of Review and Endorsement Process
    – Long Review and Endorsement Times
    – Review Criteria
  o Differing Viewpoints
    – Confusion on Endorsement Decisions
  o Duplicative Guidance
    – Need for Collaboration
  o Usefulness and Clarity
    – Differing Formats
    – Too Much Theory
  o IG Timeliness
  o IG Maintenance
  o Need for Industry Outreach
  o Update Compliance Guidance Webpage
  o NERC Assistance During Development
Development, Review, and Endorsement Process

**Develop**
- PQQ/SDT
- Tools
- Collaborate
- Vet
- Submit

**Review**
- ERO Enterprise
  - Task Force
  - Tools
  - Collaborate
  - Recommendation

**Endorse**
- ERO Enterprise CMEP Management
- Review TF Recommendation
- Collaborate
- Final Review
Development, Review, and Endorsement Process

**Develop**
- PQO/SDT
- Tools
- Collaborate
- Vet
- Submit

**Review**
- ERO Enterprise Task Force
- Tools
- Collaborate
- Recommendation

**Endorse**
- ERO Enterprise CMEP Management
- Review TF Recommendation
- Collaborate
- Final Review
Development, Review, and Endorsement Process

**Develop**
- PQO/SDT
- Tools
- Collaborate
- Vet
- Submit

**Review**
- ERO Enterprise Task Force
- Tools
- Collaborate
- Recommendation

**Endorse**
- ERO Enterprise CMEP Management
- Review TF Recommendation
- Collaborate
- Final Review
• Development
  ▪ Implementation Guidance Training by NERC
    o Before Work Begins
  ▪ Utilize Development Tools
    o Avoid Pitfalls
  ▪ Collaborate
    o Avoid Duplicative Work
    o Leverage Knowledge
  ▪ IG Management
    o Ensure Guidance Remains Relevant and Useful
    o Periodic Review Requirement
  ▪ Submit
• **Review**
  - Received by Subject Matter Experts (SME)
  - Utilize Review Tools
  - Collaborate
    - Internal Regional and NERC Departments
      - Compliance, Enforcement, Risk
  - Vet
    - ERO Enterprise Task Forces
      - NERC and Regional Representatives
      - Operations & Planning Compliance Task Force
      - CIP Compliance Task Force
  - Recommend
    - To ERO Enterprise CMEP Management
    - One ERO Enterprise Statement
      - Non-Endorsement Recommendations Only
• **Endorsement**
  - ERO Enterprise CMEP Management
    - Receive Task Force Recommendation
    - Risk, Performance Management Group (RPMG)
  - Collaborate on TF Recommendation
    - Openly Discuss Identified Issues
  - Endorse or Not Endorse
  - Final Review
    - NERC Director of Enforcement
  - Notify, Post, Announce
• IG Template
• IG Under Consideration/Development Spreadsheet
• PQO/SDT Contact Information
• Non-Endorsed IG Tracking
• IG Development and Review Aid
• One Stop Shop
• Compliance Guidance Webpage
• IG Template
  ▪ Survey Results Addressed:
    o Usefulness and Clarity
    o Differing Formats
    o Too Much Theory
  ▪ Common Look and Arrangement
    o Basic Sections
    o Common Sense Flow
  ▪ PQO Logo
    o Identify Owner
    o Acknowledgment of Work
• IG Template (continued)
  ▪ Title Page
    o Descriptive Information
    o Logos
  ▪ Table of Contents
  ▪ Introduction
  ▪ Goal/Problem Statement
  ▪ Reliability Standard
    o Requirement
      – Examples
• **IG Template** (continued)
  
  ▪ **Periodic Review**
    - Ensures Relevance
  
  ▪ **Appendices**
    - Supporting Information

---

**PROPOSED Implementation Guidance – NOT ENR Enterprise Editioned**

Provide a detailed description of the issue/concerns with the Requirement that the proposed IG will address.

**Example 1**

Provide detailed examples, methodologies, or approaches that an entity could follow and would generally lead to conformance with the Requirement (dependent upon individual facts, circumstances, and system configuration).

**Example 2**

Provide detailed examples, methodologies, or approaches that an entity could follow and would generally lead to conformance with the Requirement (dependent upon individual facts, circumstances, and system configuration).

**Periodic Review**

Provide a description of the NMIC/SEP plan to perform periodic reviews to ensure IG, if included, will remain current and useful. Maintenance plans should address, at a minimum, the periodicity of the review, who will perform the reviews, tests that will be initiated, and what will be reviewed. Plans should include items such as updates or revisions to items such as FERC Orders, NERC Implementations, etc.

**Standard: Standard Audit Methodology (SAM), Proposed Implementation Guidance, Compliance Bulletins and Instructions, Reliability Standards Implementation Plans, Reliability Standards Guides and Technical Basis, Technical References, New Technology, NERC Glossary of Terms, etc.**

---

**Appendices**

The appendices should be used to house information that is relevant but otherwise should not be included in the body of the Implementation Guidance. Appendices could include templates, theory, calculations, models, tables, drawings, graphics, good practices, definitions, terminology, glossary, or the papers, FERC orders, Guideline and Technical Basis, Technical Rationale, IG authors, etc.

**Appendix X – Sources and Resources**

Consider using a list of hyperlinks in the Appendices for publicly available supporting/reference documents, and only include actual documents in the Appendices for non-publicly available supporting/reference documents.

**Appendix X**

**Appendix X**


- **IG Under Consideration/Development Spreadsheet**
  - Survey Results Addressed:
    - Duplicative Guidance
    - Need for Collaboration
  - Prevent/Reduce Duplicative Work
  - Promotes Collaboration

| Implementation Guidance Under Consideration or Development - Last Updated 10/30/2020 |
|-----------------------------------------------|------------------|---------------------------------|------------------------------------------|
| Pre-Qualified Organization / Standard Drafting Team | Reliability Standard / Requirement(s) | Topic / Additional Information | ETA / Status* |
| Western Interconnection Compliance Forum (WICF) | CIP-002-6, Attachment 1, IRC 2.5 and 2.12 | Station/substation containing multiple monitoring and control systems, and transmission systems associated with multiple Control Centers. | Under Development - Q3 2021 |
| Project 2019-02 Standard Drafting Team | CIP-004-7 | Cyber Security — Personnel & Training | Implementation Guidance for Reliability Standard CIP-004-7 | Q3 - Q4 2021 |
| EnergySec | CIP-005 R1, CIP-007 R1 | The use of software defined networking in CIP environments | Under Development - Q1/Q2 2021 |
| Project 2019-03 Standard Drafting Team | CIP-005 | Cyber Security Supply Chain Risks | Q1 2021 |
| Project 2019-03 Standard Drafting Team | CIP-010 | Cyber Security Supply Chain Risks | Q1 2021 |
| Project 2019-03 Standard Drafting Team | CIP-013 | Cyber Security Supply Chain Risks | Q1 2021 |
• Pre-Qualified Organization and Standard Drafting Team

  Contact Information

  ▪ Survey Results Addressed:
    o Duplicative Guidance
    o Need for Collaboration
  ▪ Companion Document to IG Under Development

<table>
<thead>
<tr>
<th>Pre-Qualified Organization / Standard Drafting Team</th>
<th>Primary Contact Information</th>
<th>Alternate Contact Information</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Public Power Association (APPA)</td>
<td>Names: Nathan Mitchell</td>
<td>Names: D. Patterson</td>
<td>American Public Power Association</td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:mwvinner@publicpower.org">mwvinner@publicpower.org</a></td>
<td>Email: <a href="mailto:dpatterson@publicpower.org">dpatterson@publicpower.org</a></td>
<td>Arlington, VA 22202, USA</td>
</tr>
<tr>
<td></td>
<td>Phone: (202) 467-2900</td>
<td>Phone: (202) 467-2900</td>
<td>Phone: (202) 467-2900</td>
</tr>
<tr>
<td>Canadian Electricity Association (CEA)</td>
<td>Names: Leah MacIsaac</td>
<td>Names: Michael Powell</td>
<td>Canadian Electricity Association</td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:macisaca@electricity.ca">macisaca@electricity.ca</a></td>
<td>Email: <a href="mailto:powell@electricity.ca">powell@electricity.ca</a></td>
<td>Ottawa, Ontario</td>
</tr>
<tr>
<td></td>
<td>Phone: (613) 230-9263</td>
<td>Phone: (613) 230-9263</td>
<td>Canada K3P 5V3</td>
</tr>
<tr>
<td>Edison Electric Institute (EEI)</td>
<td>Names: Andrea Koch</td>
<td>Names: Mark Gray</td>
<td>Edison Electric Institute</td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:akoch@eei.org">akoch@eei.org</a></td>
<td>Email: <a href="mailto:mgrey@eei.org">mgrey@eei.org</a></td>
<td>701 Pennsylvania Avenue, N.W.</td>
</tr>
<tr>
<td></td>
<td>Phone: (202) 508-5000</td>
<td>Phone: (202) 508-5000</td>
<td>Washington, D.C. 20004-2056</td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:ebagot@epsa.org">ebagot@epsa.org</a></td>
<td>Email:</td>
<td>1401 New York Avenue, NW,</td>
</tr>
<tr>
<td></td>
<td>Phone: (202) 628-6200</td>
<td>Phone:</td>
<td>Suite 900, Washington, D.C.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20009-2110</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Phone: (202) 628-6200</td>
</tr>
<tr>
<td>Electricity Consumers Resource Council (ELCON)</td>
<td>Names: Travis Fisher</td>
<td>Names: Charles Aquard</td>
<td>Electricity Consumers Resource</td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:tfisher@elcon.org">tfisher@elcon.org</a></td>
<td>Email:</td>
<td>Council 1101 K Street, NW,</td>
</tr>
<tr>
<td></td>
<td>Phone: (202) 462-9993</td>
<td></td>
<td>Suite 700, Washington, D.C.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20002</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Phone: (202) 462-1390</td>
</tr>
</tbody>
</table>
• Non-Endorsed IG Tracking
  ▪ Survey Results Addressed:
    o Transparency in Review and Endorsement Process
      – Review Criteria
    o NERC Assistance During Development
  ▪ Lessons learned to Avoid Prior Pitfalls
• IG Development and Review Aid
  ▪ Survey Results Addressed:
    o Transparency in Review and Endorsement Process
    o Review Criteria
  ▪ Used by Developers and Reviewers

Implementing Guidance Development and Review Aid
October 2020

Implementation Guidance (IG) provides a means for industry to develop examples or approaches to illustrate how registered entities could comply with a Standard. Examples provided in IG are not exclusive, as there are likely other methods for implementing efforts to comply with a Standard. The ERO Enterprise’s endorsement of an example means the ERO Enterprise CMEEP staff will give those examples deference when conducting compliance monitoring activities. Registered entities can rely upon the example and be reasonably assured that compliance requirements will be met with the understanding that compliance determinations depend on facts, circumstances, and system configurations.

In order to ensure IG documents are beneficial to industry Pre-Qualified Organizations (PQO) and Standard Drafting Teams (SDT) should consider developing IG before it is needed by industry. Additionally, in order to reduce the amount of IG documents addressing the same or closely related issues the PQO and SDT should consider collaborating with other PQO and SDT contacts who may be developing similar guidance. Proactively notifying NERC of IG under development, or under consideration for development, will ensure the IG Under Development/Consideration Tracking spreadsheet remains current and useful. PQO and SDT are encouraged to utilize the ERO Enterprise Implementation Guidance Template when developing or revising Implementation Guidance.

Proposed IG should consider items in the table below to reduce risk of non-endorsement.

1 Pre-Qualified Organizations (PQO) and Standard Drafting Teams (SDT).
2 The ERO Enterprise endorses the examples and approaches only. The ERO Enterprise endorsement does not include supporting documentation or links included in IG appendices such as:
3 The SDT Approved Compliance Guidance Policy, Roadmap, etc. should not end up in the IG/endorsement.

25
<table>
<thead>
<tr>
<th>Color Code Key:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Automatic Non-Endorsement</strong></td>
</tr>
<tr>
<td><strong>Increased Likelihood of Non-Endorsement</strong></td>
</tr>
<tr>
<td>Multiple Occurrences/Severity of Occurrences could lead to Non-Endorsement</td>
</tr>
</tbody>
</table>

### Implementation Guidance Development Aid

<table>
<thead>
<tr>
<th>Items for Consideration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ensure IG does not conflict with, or change, the Purpose or Applicability of the Reliability Standard.</td>
</tr>
<tr>
<td>2. Ensure IG does not conflict with, or change, the meaning or intent of the Requirement and Measure.</td>
</tr>
<tr>
<td>3. Ensure IG does not include language that attempts to describe an audit approach.</td>
</tr>
<tr>
<td>4. Ensure IG does not conflict with, or contradict, FERC or ERO Enterprise documents such as FERC Orders, FERC Interpretations, Reliability Standard Audit Worksheets (RSAW), Endorsed Implementation Guidance, Compliance Bulletins and Directives, Reliability Standard Implementation Plans, Reliability Standard Guidelines and Technical Basis, NERC Glossary of Terms, etc.</td>
</tr>
<tr>
<td>5. Ensure IG does not make the Reliability Standard and Requirement less restrictive.</td>
</tr>
<tr>
<td>6. Ensure IG does not lead the entity to believe there are additional compliance obligations that are not specifically required by the subject Reliability Standard and Requirement.</td>
</tr>
<tr>
<td>7. Ensure IG does not skip steps or stop short of complying, and addresses the entire Requirement in sufficient detail.</td>
</tr>
<tr>
<td>8. Ensure IG provides specific examples or approaches to compliance.</td>
</tr>
<tr>
<td>9. Ensure IG is not a whitepaper, position paper, concept paper, FAQ, or technical reference document.</td>
</tr>
<tr>
<td>10. Ensure the body of the IG document only includes specific examples or approaches to compliance and does not include supporting/reference information that should be housed in the Appendices. NOTE: Appendices could include templates, theory, calculations, models, tables, drawings, graphics, good practices, definitions, terminology, glossary, white papers, FERC orders, Guideline and Technical Basis, Technical Rationale, IG authors, etc.</td>
</tr>
<tr>
<td>11. Ensure IG is not region specific, such as guidance for a Regional Reliability Standard.</td>
</tr>
<tr>
<td>12. Ensure IG includes a plan for POO/SDT periodic reviews and updates to ensure guidance remains current and valid. Reviews should include elements such as updates or revisions to items such as FERC Orders, FERC Interpretations, Reliability Standard</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td><strong>Audit Worksheets (RSAW), ERO Endorsed IG, Compliance Bulletins and Directives, Reliability Standard Implementation Plans, Reliability Standard Guidelines and Technical Basis, Technical Rationale, new technology, NERC Glossary of Terms, etc.</strong></td>
</tr>
<tr>
<td>13</td>
</tr>
<tr>
<td>14</td>
</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>16</td>
</tr>
<tr>
<td>17</td>
</tr>
<tr>
<td>18</td>
</tr>
<tr>
<td>19</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>21</td>
</tr>
<tr>
<td>22</td>
</tr>
<tr>
<td>23</td>
</tr>
<tr>
<td>24</td>
</tr>
<tr>
<td>25</td>
</tr>
<tr>
<td>26</td>
</tr>
<tr>
<td>27</td>
</tr>
<tr>
<td>28</td>
</tr>
<tr>
<td>29</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td>30.</td>
</tr>
<tr>
<td>31.</td>
</tr>
<tr>
<td>32.</td>
</tr>
<tr>
<td>33.</td>
</tr>
<tr>
<td>34.</td>
</tr>
<tr>
<td>35.</td>
</tr>
</tbody>
</table>
• Standards One Stop Shop
  ▪ Survey Results Addressed: Duplicative Guidance, IG Timeliness
  ▪ Spreadsheet Includes Links to Related Guidance
  ▪ Maintained by NERC Standards Department

<table>
<thead>
<tr>
<th>Status</th>
<th>Standard Version</th>
<th>Board Adopted Date</th>
<th>Effective Date of Standard</th>
<th>Inactive Date</th>
<th>Implementation Plan</th>
<th>Related Documents</th>
<th>Public Notes</th>
<th>FERC Orders (Date Issued)</th>
<th>RMAWs (Enforceable Standards Only)</th>
<th>Lessons Learned</th>
<th>Compliance Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inactive</td>
<td>CIP-002-4-1</td>
<td>1/27/2013</td>
<td>2/1/2016</td>
<td>4/1/2016</td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(1/2/2013)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Mandatory</td>
<td>CIP-002-5</td>
<td>1/21/2015</td>
<td>2/2/2015</td>
<td></td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Subject to</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Enforcement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Filing and</td>
<td>CIP-002-8</td>
<td>10/14/2013</td>
<td></td>
<td></td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Pending</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Requirements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Approval</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Inactive</td>
<td>CIP-003-2</td>
<td>1/21/2014</td>
<td>3/1/2016</td>
<td></td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1/21/2015</td>
<td>3/1/2016</td>
<td></td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Inactive</td>
<td>CIP-003-3</td>
<td>1/21/2015</td>
<td>3/1/2016</td>
<td></td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1/21/2015</td>
<td>3/1/2016</td>
<td></td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Inactive</td>
<td>CIP-004-6</td>
<td>1/21/2015</td>
<td>1/3/2016</td>
<td></td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1/21/2015</td>
<td>1/3/2016</td>
<td></td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Inactive</td>
<td>CIP-005-1</td>
<td>1/21/2015</td>
<td>1/3/2016</td>
<td></td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1/21/2015</td>
<td>1/3/2016</td>
<td></td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
<tr>
<td>Inactive</td>
<td>CIP-005-2</td>
<td>2/12/2015</td>
<td>2/12/2016</td>
<td>3/12/2015</td>
<td>Implementation Plan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(2/24/2013)</td>
</tr>
</tbody>
</table>
NERC Homepage (www.nerc.com)
- Survey Results Addressed: Update Compliance Guidance Webpage
• NERC Homepage (www.nerc.com)
  ▪ Survey Results Addressed: Update Compliance Guidance Webpage
• NERC Compliance Webpage
  ▪ Survey Results Addressed: Update Compliance Guidance Webpage
• NERC Compliance Guidance Webpage
  ▪ Survey Results Addressed: Update Compliance Guidance Webpage
• NERC Compliance Guidance Webpage
  - Key Resources

- Compliance Guidance Policy
- Implementation Guidance Development Aid
- Implementation Guidance Submittal Form
- Implementation Guidance Under Consideration or Development
- Non-Endorsed Implementation Guidance
- Pre-Qualified Organization Application
- Pre-Qualified Organizations Contact Information
- Pre-Qualified Organizations
- Retired Implementation Guidance
- Standards One-Stop Shop
- NERC Compliance Guidance Webpage
  - Implementation Guidance
• NERC Compliance Guidance Webpage
  ▪ CMEP Practice Guides

<table>
<thead>
<tr>
<th>Type</th>
<th>Title</th>
<th>Date</th>
<th>Standards Family</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMEP Practice Guide</td>
<td>Phased Implementation Completion Percentages</td>
<td>3/24/2017</td>
<td></td>
</tr>
<tr>
<td>CMEP Practice Guide</td>
<td>TOP-001-4 and RIO-002-5 Redundant and Diversely Routed</td>
<td>7/11/2018</td>
<td>TOP</td>
</tr>
<tr>
<td>CMEP Practice Guide</td>
<td>Information to be Considered by CMEP Staff Regarding Inverter-Based</td>
<td>3/15/2019</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Resources_V1.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMEP Practice Guide</td>
<td>Calendar Month Annual</td>
<td>4/19/2019</td>
<td></td>
</tr>
<tr>
<td>CMEP Practice Guide</td>
<td>BES Cyber System Information</td>
<td>4/26/2019</td>
<td>CIP</td>
</tr>
<tr>
<td>CMEP Practice Guide</td>
<td>Evaluation of Facility Ratings and System Operating Limits</td>
<td>6/17/2020</td>
<td>FAC</td>
</tr>
<tr>
<td>CMEP Practice Guide</td>
<td>TOP-007-4, R6, 87 Determination of Provision of Operating Plans</td>
<td>7/15/2020</td>
<td>TOP</td>
</tr>
<tr>
<td>CMEP Practice Guide</td>
<td>Regarding Inverter-Based Resources</td>
<td>7/15/2020</td>
<td></td>
</tr>
<tr>
<td>CMEP Practice Guide</td>
<td>1s R1 - Generation Segmentation</td>
<td>9/15/2020</td>
<td>CIP</td>
</tr>
<tr>
<td>CMEP Practice Guide</td>
<td>1.1 - SVHost</td>
<td>9/15/2020</td>
<td>CIP</td>
</tr>
</tbody>
</table>