

Organization and Procedures Manual for SERC Standing Committees

Supplement to the Delegation Agreement Between NERC and SERC



Organization and Procedures Manual for SERC Standing Committees

Revision History

Revision	Date	Comments
0	October 1, 2006	Applied the NERC Organization and Procedures Manual for NERC Standing Committees document format as a guide to combine the SERC EC and OC Handbooks and the CIPC Scope into one document for all SERC Standing Committees.

Responsible SERC Group(s)

SERC Engineering Committee (“EC”)
SERC Operating Committee (“OC”)
SERC Critical Infrastructure Protection Committee (“CIPC”)

Review and Re-Approval Requirements

This document will be reviewed every five years or as appropriate by the standing committees listed above for possible revision. The existing or revised document will be re-approved by the SERC Board and distributed to all members by the Manager of Reliability Services.

List of Appendices

Appendix A: Engineering Committee Subgroups
Appendix B: Operating Committee Subgroups
Appendix C: Critical Infrastructure Protection Subcommittee Subgroups
Appendix D: SERC High Level Organization Chart

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1.0 Introduction

1.1 SERC Purpose

The purpose of SERC is to promote effective and efficient administration of Bulk-Power System reliability in the areas serviced by its Member Systems. In pursuant of this goal, SERC will:

- enter into a Delegation Agreement to serve as a Regional Entity pursuant to 16 U.S.C. § 824n;
- promote the development of reliability and adequacy arrangements among the systems within the Region;
- participate in the establishment of Reliability Standards;
- participate in the measurement of performance relative to these Reliability Standards;
- promote conformance to and compliance with these Reliability Standards;
- develop and exchange information with respect to planning and operating matters relating to the reliability and adequacy of the Bulk-Power System;
- review as necessary activities within the Region on reliability and adequacy in order to meet Reliability Standards;
- provide a mechanism to resolve disputes on reliability issues in a manner that meets the needs of the parties and the Region;
- provide information with respect to matters considered by SERC, where appropriate, to the Federal Energy Regulatory Commission ("FERC") and to other federal and state agencies concerned with reliability and adequacy; and
- until FERC adopts Reliability Standards and such Standards become mandatory, take such actions as are necessary to adopt and put in place the Regional Compliance and Enforcement Program ("RCEP") contemplated by the April 25, 2001, "Agreement for Regional Compliance and Enforcement Program" between SERC (when it was an unincorporated entity) and NERC. Such action shall include, but not be limited to, preparing and entering into voluntary contracts with SERC Members establishing and governing RCEP standards and other matters, and adopting sanctions and processes for imposition of sanctions for noncompliance with RCEP standards.

1.2 Corporate Overview

SERC is an Alabama nonprofit corporation. It is organized as a membership corporation as outlined in its Bylaws.

Members of SERC and the Customer Representatives are classified in one of the following seven Sectors:

- Investor-Owned Utility Sector
- Federal/State Sector
- Cooperative Sector
- Municipal Sector
- Marketer Sector
- Merchant Electricity Generator Sector
- ISO-RTO/Customer Sector

SERC accomplishes its purposes in a geographic area of approximately 560,000 square miles in a sixteen state area in the southeastern and central United States (the "Region"). The Region is currently geographically divided into five Subregions that are identified as Entergy, Gateway, Southern, TVA, and VACAR. The number of Subregions and the geographic area is subject to change upon the approval of the Board of Directors.

1.3 SERC Organizational Framework

The Standing Committees are one part of the overall SERC organization. Standing Committees and their subordinate groups provide the vehicle by which SERC engages the reliability expertise provided by active participation of industry volunteers. An overview is provided below to illustrate how the Standing Committees fit into the organization and to identify key relationships with other SERC functions. The remaining sections of this manual describe the Standing Committees in greater detail, addressing committee scopes, organization, and procedures. Additional information regarding the other SERC functions listed below may be found in separate references on the SERC web site at www.serc1.org. A high level SERC organizational chart is provided in Appendix D.

- **Board of Directors** - The affairs of SERC shall be managed by its Board of Directors. The Board of Directors shall consist of the principal officer or other authorized representative from each Member and shall also include two Board of Director positions for Customer Representatives. (Note, the SERC Bylaws define Customer Representative as "a person who represents an entity that receives service at retail and does not otherwise sell, purchase, or transmit power over the Bulk-Power System or own, operate or maintain, control or operate facilities or systems that are part of the Bulk-Power System.")

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- **Board Executive Committee** – The SERC Board Executive Committee is empowered to make such decisions and take such actions as are deemed to be required between meetings of the Board of Directors to include reviewing and acting upon applications for membership in and resignations from SERC.

The SERC Board Executive Committee shall consist of twelve voting members with the following Sector representation: three representatives of the Investor-Owned Utility Sector; two representatives of the Federal/State Sector; two representatives of the Cooperative Sector; two representatives of the Municipal Sector; one representative of the Marketer Sector; one representative of the Merchant Electricity Generator Sector; and one representative of the ISO-RTO/Customer Sector.

- **Board Compliance Committee** - The Board Compliance Committee will be vested with the authority for the SERC Compliance Program and granted the ability to impose penalties and sanctions on behalf of NERC. The responsibilities of the Compliance Committee of the Board include: 1) reviewing violations known to the SERC Compliance Staff discovered from audits, compliance documentation, or any other source, whether self-reported, alleged, or confirmed, for the most recent period; 2) reviewing and advising the Board on the progress of SERC and its members in mitigating confirmed violations, and the progress of SERC in dealing with all unconfirmed violations; 3) providing a hearing at the request of an entity assessed as non compliant to review all relevant documentation related to the assessment, and to assure that proper procedures were used in the determination; 4) reviewing the progress of SERC and its members in implementing recommendations, as appropriate; 5) reporting to the Board at each regularly scheduled meeting of the Board; 6) recommending to the Board such actions as may further the purposes of the Delegation Agreement between NERC and SERC; and 7) performing such other functions as may be delegated from time to time by the Board.

Compliance Committee members shall comply with the SERC Standards of Conduct policy that prohibits conflicts of interest associated with the compliance program, as such conflicts could cast doubt on the ability of the Compliance Committee members to act with total objectivity with regard to the overall interests of the compliance program.

The Compliance Committee shall consist of twelve voting members with the following Sector representation: three representatives of the Investor-Owned Utility Sector; two representatives of the Federal/State Sector; two representatives of the Cooperative Sector; two representatives of the Municipal Sector; one representative of the Marketer Sector; one representative of the Merchant Electricity Generator Sector; and one representative of the ISO-RTO/Customer Sector.

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- **Standing Committees** - The Board of Directors, by resolution adopted by a Bicameral Simple Majority, may designate standing and special (ad hoc) committees, as shall be necessary to address the purposes of SERC. Such committees shall include, but are not limited to the following:
 - **Engineering Committee** - The purpose of this committee shall be to promote the reliability and adequacy of the Bulk-Power System, as related to the planning and engineering of electric systems, through the development of SERC Regional Reliability Standards and other engineering/planning documents (e.g., guidelines, procedures, white papers). The committee shall provide a mechanism for the coordination of activities in the areas of planning and engineering.
 - **Operating Committee** - The purpose of this committee shall be to promote the reliability and adequacy of the Bulk-power System, as related to the operation of electric systems, through the development of SERC Regional Reliability Standards and other engineering/planning documents (e.g., guidelines, procedures, white papers). The committee shall provide a mechanism for the coordination of activities in the area of operations and, as may be required pursuant to the Electric Reliability Organization Rules of Procedure, shall verify that operating entities (Balancing Authorities, Transmission Operators, and Reliability Coordinators) within the Region meet all of the requirements for certification as set forth in the ERO certification procedures.
 - **Critical Infrastructure Protection Committee** - The purpose of this committee shall be to promote the advancement of the physical and cyber security of the Bulk-Power System, through the development of SERC Regional Reliability Standards and other physical and cyber security documents (e.g., guidelines, procedures, white papers). It serves as an expert advisory panel in the areas of physical and cyber security; establishes and maintains an information reporting procedure; provides a liaison with state government agencies; and conducts forums and workshops related to Critical Infrastructure Protection.

1.4 Manual Purpose and Applicability

This manual defines the scope, functions, representation, and procedures of the three SERC Standing Committees: Engineering Committee, Operating Committee, and Critical Infrastructure Protection Committee. The manual is a living document that may be updated from time to time by approval of the SERC Board. Changes to the manual may be recommended to the SERC Board for approval by any Standing Committee, with consultation of the other Standing Committees. The manual also applies to the subordinate groups of the three SERC Standing Committees.

All other SERC committees and their subordinate groups should use this manual as a procedural guide, and apply those sections of this manual that are applicable to their functions and organizational structure.

2.0 Standing Committee Membership

2.1 Criteria

Each Member of SERC shall be eligible for membership on the SERC Engineering, Operating and Critical Infrastructure Protection Committees. Membership on all the Standing Committees will consist of representatives and alternates appointed by the Members.

2.2 Representation

Each SERC Member is entitled to one Representative and one or more Alternate Representatives on the SERC Engineering, and Operating Committees. Each SERC Member is entitled to three Representatives on the SERC Critical Infrastructure Protection Committee, one each with expertise in physical security, cyber security, and operations as defined in Section 2.3 below, and one or more Alternate Representatives. The Member Representative or designated Alternate is responsible for casting the Member's vote when a vote is required on matters brought before the SERC Engineering, Operating and Critical Infrastructure Protection Committees.

2.3 Expertise

SERC Engineering Committee: Representatives and Alternates shall be knowledgeable of planning and engineering of electric systems.

SERC Operating Committee: The Representative shall have the authority to effect changes in system operations. Designated Alternate(s) should be knowledgeable of system operation.

SERC Critical Infrastructure Protection Committee: Representatives and Alternates should be selected based upon expertise in these disciplines:

- Physical Security of Electricity Sector facilities (including, but not limited to, generation, dams, transmission, critical distribution facilities, buildings).
- Cyber Security primarily focused on market and power operations systems (including, but not limited to, SCADA, EMS, DCS, and also systems like OASIS), but with consideration also to systems required for business continuity.
- Operations with focus on system operations at the balancing authority and reliability coordinator levels.

2.4 New Standing Committee Member Admission

The President, or his designee, shall inform each Standing Committee Chair of the SERC membership status of new SERC Members.

Each new Member of SERC will be notified via new member orientation materials of the opportunity to join the Standing Committees, and relevant subgroups.

Each new Member of SERC shall provide the SERC President with a list of its appointments to each Standing Committee and subgroup.

3.0 Committee Organization

The SERC Standing Committees shall be organized to enable SERC to promote effective and efficient administration of Bulk-Power System reliability. The business of each Standing Committee shall be administered by an Executive Committee, with the support of SERC staff. In addition, other subcommittees, ad hoc committees, task forces, study groups, working groups and liaisons shall be established as set forth in this section. Each group listed will be linked to its Standing Committee by the Standing Committee's acronym, Engineering Committee ("EC"), Operating Committee ("OC"), and Critical Infrastructure Protection Committee ("CIPC").

3.1 Officers

The Engineering Committee, Operating Committee and Critical Infrastructure Protection Committee shall each nominate and elect a Chair and Vice Chair. The Vice Chair will normally succeed the Chair. This action will be provided to the SERC Board of Directors for approval.

3.1.1 Officer Qualifications

Each Officer of the Engineering, Operating and Critical Infrastructure Protection Committees must be the Representative of a Member.

The Critical Infrastructure Protection Committee Chair and Vice Chair should normally represent different areas of expertise (Cyber, Physical, or Operations).

3.1.2 Officer Terms

Engineering Committee: The Chair and Vice Chair shall serve a two-year term. The term of office will begin July 1st of even-numbered years.

Operating Committee: The Chair and Vice Chair shall serve a two-year term. The term of office will begin July 1st of odd-numbered years.

Critical Infrastructure Protection Committee: The Chair and Vice Chair shall serve a two-year term. The term of office will begin July 1st of odd-numbered years.

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3.1.3 Officer Duties

The Chair's duties shall include all of those duties normally accepted as responsibilities and prerogatives of the Chair of any group, with some additional responsibilities as follows:

- Serve as the SERC Region Representatives on the corresponding NERC Standing Committee, i.e.:
 - SERC EC – NERC Planning Committee
 - SERC OC – NERC Operating Committee
 - SERC CIPC – NERC Critical Infrastructure Protection Committee
- Report on applicable committee activities at the meetings of the SERC Board of Directors the SERC Board Executive Committee and the other SERC Standing Committees. Report on SERC committee activities at the NERC Standing Committee meetings as required.
- Serve as Chair of the respective Standing Committee's Executive Committee, i.e. :
 - SERC EC Chair – Chair of SERC EC Executive Committee
 - SERC OC Chair – Chair of SERC OC Executive Committee
 - SERC CIPC Chair – Chair of SERC CIPC Executive Committee
- Make interim appointments (until an election is held) for elected positions in the event that an officer is unable to complete his term of office.
- Appoint the officers of the respective EC, OC, and CIPC subgroups as required by the subgroups' scope documents.
- Appoint a Nominating Committee as specified in Section 3.5.1.
- Direct, as needed, the formation of subcommittees, ad hoc committees, study groups, working groups or task forces.
- Annually review the Organization and Procedural Manual for SERC Standing Committees and bring forth any revisions to the SERC Standing Committees for review before recommending changes to the SERC Board for approval.

The Vice Chair shall assist the Chair, as required, and will act as Chair in the Chair's absence. Other duties include:

- The Vice Chair shall serve as the alternate or as a second, in the case of the CIPC, SERC Region Representative on the corresponding NERC Standing Committee, i.e.:

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- SERC EC – NERC Planning Committee
 - SERC OC – NERC Operating Committee
 - SERC CIPC – NERC Critical Infrastructure Protection Committee
- Develop the applicable Standing Committee meeting agenda (program) and the program for the Joint Standing Committees Meeting when that responsibility rotates to the applicable Standing Committee.
 - Compile lists of representatives, by SERC Subregion, from which willing representatives can be selected for serving on appropriate committees or task forces.
 - In the event that the Chair is unable to complete the full term of office, the Vice Chair will be nominated to fill the Chair's unexpired term. Additionally, a nomination will be made to fill the Vice Chair's unexpired term.

The Immediate Past Chair shall serve on the Standing Committee's Executive Committee and will perform other duties as assigned by the Standing Committee Chair.

3.2 Executive Committees

3.2.1 Executive Committees Composition and Term

3.2.1.1 SERC EC Executive Committee

The EC Executive Committee will consist of the Chair, Vice Chair, and Immediate Past Chair of the Engineering Committee, the Chair of the Reliability Review Subcommittee, one representative from each of the SERC Subregions, SERC members who are NERC Planning Committee members, other NERC committee representatives from SERC as appointed by the SERC EC Chair, and additional representatives, as needed, to ensure at least one representative from each of the industry sectors of the SERC membership as listed in Section 1.2.

The term of membership on the EC Executive Committee shall coincide with Officer or subgroup Chair terms. In the event the Immediate Past SERC EC Chair is unavailable for service, the previous past EC Chair may fill this term. Otherwise, the SERC EC Chair will approve a replacement. Subregional Representatives are appointed by the SERC Subregions and their term of membership is determined by the SERC Subregions. Industry sector representatives are appointed for a two-year term by the Chair of the EC after soliciting recommendations and other comments from the EC members.

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3.2.1.2 SERC OC Executive Committee

The OC Executive Committee will consist of the Chair, Vice Chair, and Immediate Past Chair of the Operating Committee, Telecommunications Subcommittee Chair, System Operator Subcommittee Chair, Reliability Coordinator Subcommittee Chair, Operations Planning Subcommittee Chair, NAESB Working Group Chair, SERC Representative to the NERC Resources Subcommittee, SERC members who are NERC Operating Committee members, other NERC committee representatives from SERC as appointed by the SERC OC Chair, and additional representatives, as needed, to ensure at least one representative from each of the industry sectors of the SERC membership as listed in Section 1.2 and to ensure that all SERC Subregions are represented.

The term of membership on the OC Executive Committee shall coincide with Officer, Representative, or Subcommittee Chair terms. In the event the Immediate Past SERC OC Chair is unavailable for service, the previous past OC Chair may fill this term. Otherwise, the SERC OC will approve a replacement. Subregional Representatives are appointed by the SERC Subregions and their term of membership is determined by the SERC Subregions. Industry sector representatives are appointed for a two-year term by the Chair of the OC after soliciting recommendations and other comments from the specific Sector Members.

3.2.1.3 SERC CIPC Executive Committee

The CIPC Executive Committee will consist of the Chair, Vice Chair, and Immediate Past Chair of the Critical Infrastructure Protection Committee, Chairs of each SERC CIPC subcommittee, as applicable, one representative from each of the SERC Subregions, and additional representatives, as needed, to ensure at least one representative from each of the industry sectors of the SERC membership as listed in Section 1.2 and at least one SERC CIPC Executive Committee member representing each area: Physical Security, Cyber Security, and Operations.

The term of membership on the CIPC Executive Committee shall coincide with Officer, Representative, or Subcommittee Chair terms. In the event the Immediate Past SERC CIPC Chair is unavailable for service, the previous past CIPC Chair may fill this term. Otherwise, the SERC CIPC will approve a replacement. Subregional Representatives are appointed by the SERC Subregions and their term of membership is determined by the SERC Subregions. Industry sector representatives are appointed for a two-year term by the Chair of the CIPC after soliciting recommendations and other comments from the CIPC members.

3.2.2 Executive Committee Responsibilities & Authority

Each SERC Standing Committee Executive Committee will act on Standing Committee matters, as necessary, between regularly scheduled meetings of the Standing Committees. The Executive Committees are empowered to make non-policy decisions and take actions on administrative matters as required. Any decision so made shall be

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reviewed at the next Standing Committee meeting. The Executive Committees shall make recommendations to the Standing Committee Chairs for task forces, study groups, working groups or subcommittees as needed. The Executive Committee shall recommend and direct areas of involvement and priorities for emphasis and action by the Standing Committees. They shall prepare recommendations for Standing Committee discussion and approval. The Executive Committees shall provide guidance to the SERC Representative on the respective NERC Standing Committee.

3.2.3 Executive Committee Meetings

Each SERC Standing Committee Executive Committee shall meet a minimum of twice per year. Other meetings (or conference calls) shall be conducted as required. Executive Committee members will be expected to attend scheduled meetings. The SERC President, or a designated representative, shall be invited to attend all SERC Standing Committee Executive Committee meetings.

3.3 SERC President and Staff

3.3.1 Responsibilities

The SERC President shall manage the business affairs of SERC and its staff in providing administrative guidance and technical support to SERC Standing Committee members.

One designated SERC Staff employee will be assigned to support each SERC Standing Committee. Additional SERC Staff support will be available to assist the staff designee as required. SERC Staff designated to support the Standing Committee shall be responsible for the following:

- Arrange and coordinate SERC Standing Committee meetings.
- Coordinate SERC Standing Committee meetings with other SERC and NERC meetings to eliminate meeting conflicts and ensure that meetings occur in proper order to support action items and schedules;
- Distribute, in accordance with the official distribution list and roster, notification of all SERC Standing Committee meetings and agendas.
- Maintain historical records of all respective SERC Standing Committee meetings and activities; the official roster of the SERC Standing Committee; and keep historical records of all voting issues and balloting responses. The SERC Standing Committee rosters will be maintained on the SERC Portal (Internet).
- Record the official meeting minutes during all respective SERC Standing Committee and SERC Standing Committee Executive Committee meetings.
- Prepare the minutes in accordance with the SERC Standing Committee requests and distribute to all Member Representatives and Alternates within four (4) weeks

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following the meeting.

- When voting is required by mail balloting, issue all ballots in accordance with established procedures and provide a follow-up mechanism for tracking the ballots.
- Maintain a record of the mail balloting response and report the official results of the particular balloting process. The official balloting response and report shall be made in a format that complies with balloting requirements and procedures and clearly shows the official approval or disapproval of the subject balloted.
- Perform other duties as requested by the respective SERC Standing Committee Chair and shall generally support concise and timely communications among all SERC Standing Committee Representatives and Alternates.
- Maintain electronic files of appropriate documents and distribute copies and revisions of appropriate documents to all respective SERC Standing Committee Representatives and Alternates.

3.4 SERC Subgroups

Standing Subgroups (Subcommittees, Study Groups, Working Groups, and Task Forces) shall be recommended by the respective SERC Standing Committee Chair and established by the SERC Standing Committee. Each subgroup listed will be linked to its Standing Committee by the Standing Committee's acronym: Engineering Committee ("EC"), Operating Committee ("OC"), and Critical Infrastructure Protection Committee ("CIPC").

3.4.1 SERC Standing Committee Subgroup Membership Procedure

Attendance at subgroup meetings is paramount to effectively accomplish the subgroup's responsibilities. Non participants affect the ability of the subgroup to achieve a quorum for conducting its business. Members that are absent for three (3) consecutive meetings or conference calls and not represented by a proxy may be removed from the subgroup.

3.4.2 SERC Standing Committee Subgroup Compliance Activities

Because of the level of expertise of the SERC Standing Committee Subgroup members, subgroups are asked to assist the SERC Compliance Organization in performing compliance reviews and recommendations to the three compliance advisory groups that report to the SERC Compliance Manager. The compliance advisory groups are the Engineering Compliance Advisory Group, Operating Compliance Advisory Group and Cyber Security Compliance Advisory Group. More detail on the SERC Compliance Organization is listed in the SERC Compliance Enforcement Plan.

Standing Committee Subgroups that assist in compliance matters are called: Region Review Groups ("RRGs"). Each subgroup scope document will specify if the subgroup is a RRG. RRG members can participate on audit teams, regional filing reviews and investigations.

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3.4.3 SERC Standing Committee Subgroups (Active and Future)

Below are the current and future Standing Committee Subgroups. Appendices A, B and C list detailed subgroup information.

Engineering Committee Subgroups (Active)

EC Reliability Review Subcommittee (“EC-RRS”)
EC Data Collection Task Force (“EC-DCTF”)
EC Generation Subcommittee (“EC-GS”)
EC Protection and Control Subcommittee (“EC-PCS”)
EC Planning Standards Subcommittee (“EC-PSS”)
EC Dynamics Review Subcommittee (“EC-DRS”)
EC Vegetation Management Subcommittee (“EC-VMS”)
EC Model Validation Task Force (“EC-MVTF”)
EC Regional Studies Executive Committee (“EC-RSEC”)
EC Regional Studies Steering Committee (“EC-RSSC”)
EC Long-Term Power Flow Study Group (“EC-LT-PFSG”)
EC Near-Term Power Flow Study Group (“EC-NT-PFSG”)
EC Dynamics Study Group (“EC-DSG”)
EC Short Circuit Database Working Group (“EC-SCDWG”)

Operating Committee Subgroups (Active)

OC Telecommunications Subcommittee (“OC-TSC”)
OC Reliability Coordinator Subcommittee (“OC-RCS”)
OC Operations Planning Subcommittee (“OC-OPS”)
OC System Operator Subcommittee (“OC-SOS”)
OC NAESB Working Group (“OC-NWG”)
OC Real-time Modeling Working Group (“OC-RMWG”)
OC Available Transfer Capability Working Group (“OC-ATCWG”)

Critical Infrastructure Protection Committee Subgroups (Future)

CIPC Cyber Security Subcommittee (“CIPC-CSS”)
CIPC Physical Security Subcommittee (“CIPC-PSS”)
CIPC Operations Subcommittee (“CIPC-OS”)

3.5 Ad Hoc Committees and Task Forces

Ad hoc committees and task forces shall be designated by the SERC Standing Committee Chairs as needed to address specific regional matters.

3.5.1 Nominating Committee

Ad hoc Nominating Committees shall be appointed by the current Standing Committee Chairs.

3.5.1.1 Nominating Committees for SERC Standing Committees Chair and Vice Chair

At the Spring meeting prior to an election year, the Standing Committee Chair shall appoint a committee to select candidates for its next Chair and Vice Chair. The Nominating Committee shall consist of the immediate past Standing Committee Chair and one or two other members as appropriate. The Nominating committee shall determine a list of potential candidates based on the knowledge of responsibilities and the commitment that will be required. Potential candidates shall then be contacted to discuss the opportunity and solicit their willingness to serve in that position. The Nominating Committee shall then come to the Summer meeting with a recommendation for the positions.

3.5.1.2 OC Nominating Committee for the NERC Resources Subcommittee Representative

Every four years, the election of a new NERC Resources Subcommittee representative is required. At the Spring meeting prior to an election year, the OC Chair shall ask the current Resources Subcommittee representative and the Operating Compliance Advisory Group to work together to determine a list of candidates for the position. This group shall discuss the obligations and responsibilities of this position with each potential candidate and solicit their willingness to serve in this position. The committee shall then come to the Summer meeting with a recommendation for the position.

3.5.2 Event Planning

3.5.2.1 Program Committee

The Standing Committee Program Subcommittee shall be under the direction of the Standing Committee Vice Chair. The Program Committee shall consist of the Standing Committee Executive Committee, SERC Staff, and others as needed. The program shall be coordinated with the Standing Committee Chair and the SERC Staff.

3.5.2.2 Joint Standing Committees Meeting Coordination

The program for the Joint Standing Committees Meeting (Spring and Fall meetings) will be developed by select individuals from each Standing Committee Program Subcommittee, as determined by the Standing Committee Vice Chairs. At least one member of this group shall be from the SERC Member hosting the meeting. Responsibility for coordination of this effort will be rotated among the Standing Committees.

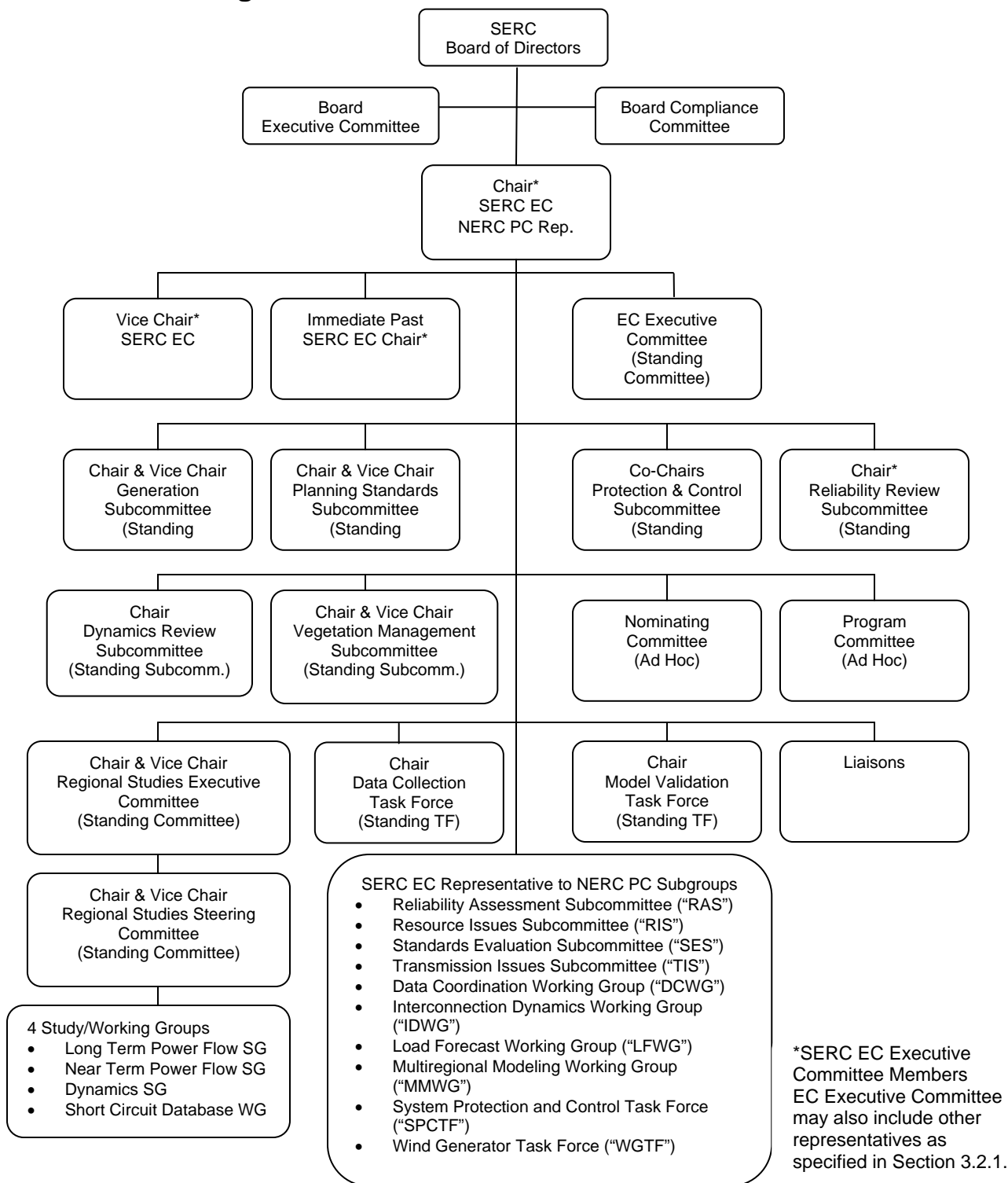
3.6 Liaisons

Liaisons with other regions, committees, or industry organizations shall be established by the SERC Standing Committees to provide a communication link with such entities.

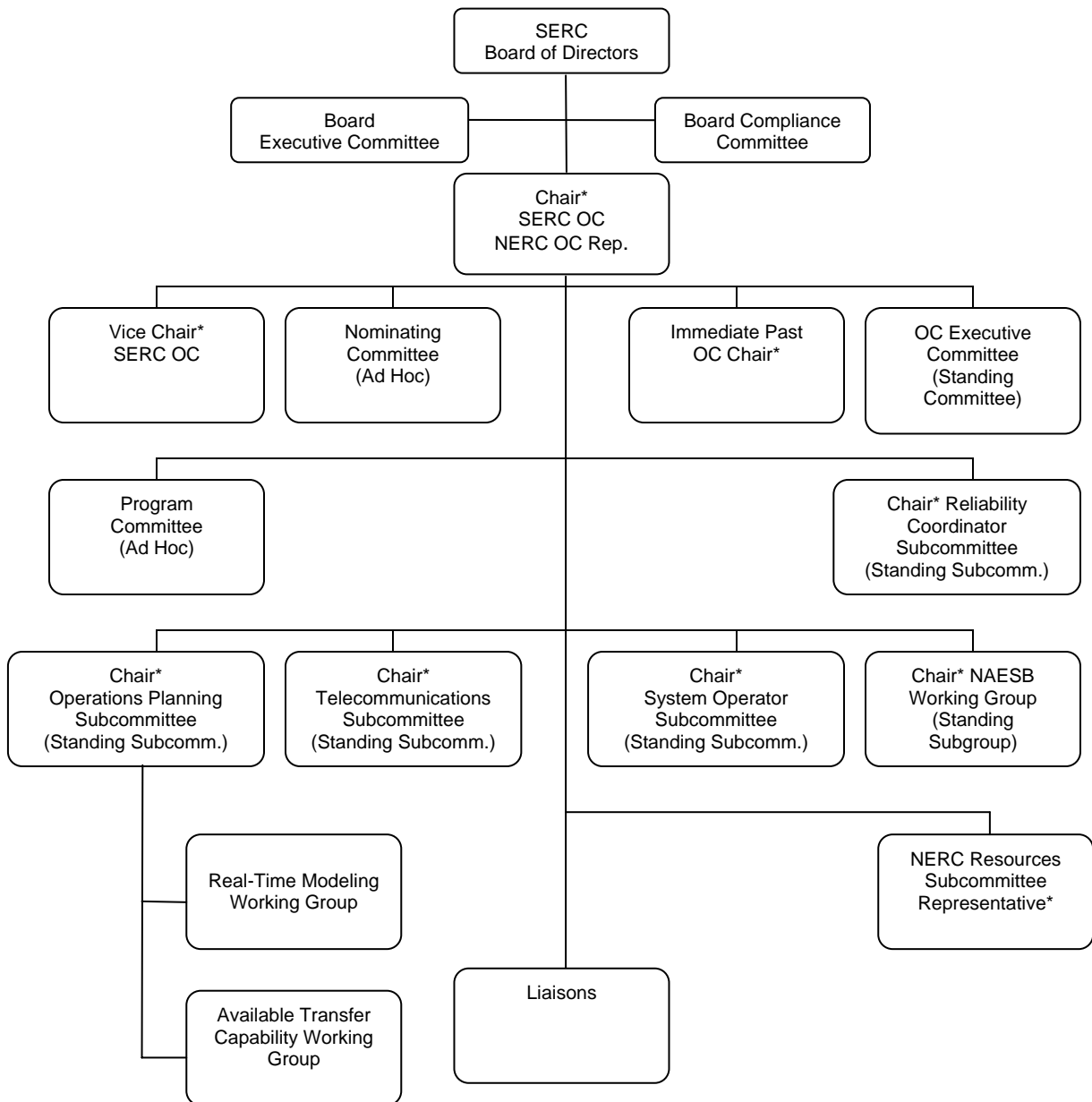
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The SERC Staff shall maintain a list of liaisons as part of the SERC Roster.

3.7 SERC EC Organization Chart

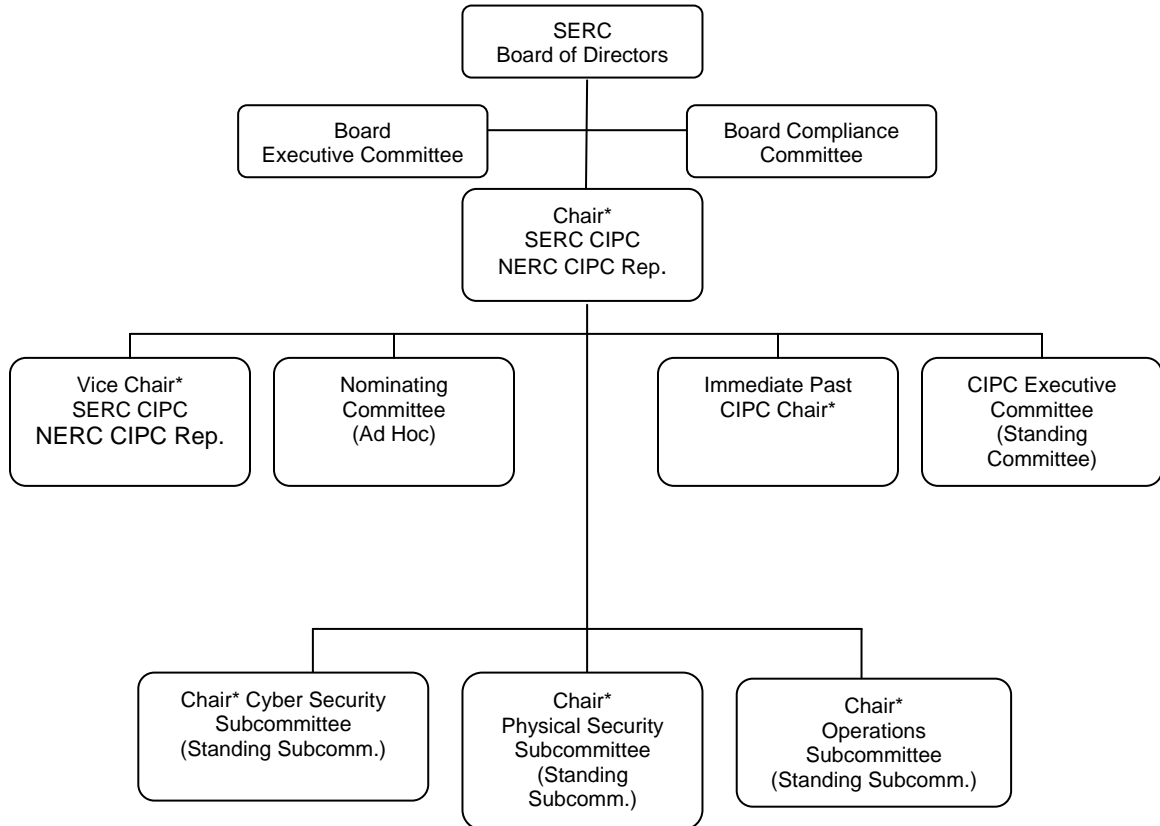


3.8 SERC OC Organization Chart



*SERC OC Executive Committee Members
 OC Executive Committee may also include other representatives as specified in Section 3.2.1.

3.9 SERC CIPC Organization Chart



*SERC CIPC Executive Committee Members

CIPC Executive Committee may also include other representatives as specified in Section 3.2.1.

4.0 Administrative Procedures

4.1 Standing Committee Meeting Procedures

The SERC Standing Committees shall meet at least three (3) times a year. While SERC makes no attempt to establish a restrictive policy on attendance at its Standing Committee meetings, attendance is usually limited to Representatives and Alternates of Members, Standing Committee Subgroup Chairs, SERC Staff, other SERC Standing Committee Chairs, and persons invited to attend as special guests by the Program Committee. All SERC members are expected to have Representatives at scheduled Standing Committee meetings. Special guests may be invited upon prior approval of the Standing Committee Chair and shall be introduced as such at the beginning of each meeting.

Subcommittees, Study Groups, Working Groups, Ad Hoc Committees and Task Forces of the Standing Committee (subgroups) shall meet as necessary to accomplish their charge from the Standing Committee. Notice of all such meetings shall be posted on the SERC website. Subgroup members will be expected to attend scheduled meetings. Special guests may be invited upon prior approval of the appropriate subgroup chair and shall be introduced as such at the beginning of each meeting. Unless specifically authorized in the subgroup scope document, subgroup members are not allowed to designate alternate members. However, upon obtaining agreement from the subgroup chair, a member may designate a proxy to attend a particular meeting on his behalf, and with his vote. The proxy would need to be knowledgeable of subgroup issues to the extent that they would be capable of participating in the meeting.

4.1.1 Minutes

Minutes shall be taken at each SERC Standing Committee meeting and distributed to respective Standing Committee members approximately four weeks after each meeting. The minutes will also be posted on the SERC website except for minutes of the SERC CIPC meetings which are only posted on the SERC CIPC secure documents repository of the SERC Portal.

Minutes shall be taken at each subgroup meeting and distributed as draft minutes to subgroup members approximately two weeks after each meeting. The minutes will also be posted on the SERC website when they have been approved except for minutes of the SERC CIPC subgroup meetings which are only posted on the SERC CIPC subgroup secure documents repository of the SERC Portal.

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4.1.2 Timing

Regularly scheduled meetings shall generally be held in March, June and October. Special meetings may be called as deemed necessary by the Standing Committee Chair.

4.1.3 Arrangements

The Vice Chair shall report at each SERC Standing Committee meeting the host, location and date of the next two meetings. The host system and the SERC Staff Conference Specialist shall be responsible for making the necessary arrangements for the meeting location and coordinating this with the SERC President so as to avoid conflict with other SERC or NERC activities. If necessary, a registration fee will be collected from those attending the meeting to cover the costs of meetings.

Arrangements for SERC subgroup meetings are the responsibility of the SERC Staff. Meeting arrangement costs will be borne by SERC.

4.1.4 Agenda

The Vice Chairs of each SERC Standing Committee are responsible for preparing the working agenda for each respective Standing Committee meeting. The SERC Staff will distribute the agenda to the members at least 3 weeks prior to the meeting.

The SERC Staff will distribute documents that are to be reviewed at the meeting to the members at least one week prior to the meeting.

4.2 Voting Procedures

Voting is generally by consensus, with each member having one vote. However, in any Standing Committee session, if any Member Representative challenges a vote, the following procedures will apply to the Standing Committee vote.

Section 8.2, titled "Voting Rights for Committees" of the SERC Bylaws declare voting rights for Standing Committees shall be based on the same method as adopted by the Board of Directors of SERC.

4.2.1 Definitions

Adjusted Weighted Vote – the number of votes of each Representative in a manner set forth in Section 4.2.3.1.

Bicameral Simple Majority – shall require the presence of a quorum and the (i) concurrence of Representatives whose combined Individual Votes are greater than fifty (50) percent of the total Individual Votes of all Representatives present at the meeting and entitled to vote on the issue (the "Individual Vote Test"), (ii) concurrence of

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Representatives whose combined Adjusted Weighted Votes are greater than fifty (50) percent of the total Adjusted Weighted Vote of all Representatives at the meeting and entitled to vote on the issue (the “Adjusted Weighted Vote Test”), and (iii) for at least one individual Vote Test or the Adjusted Weighted Vote Test, on an individual Sector basis, the positive vote must outweigh the negative vote for at least three Sectors.

Individual Vote – shall mean a single vote accorded to each Representative.

4.2.2 Quorum

Two-thirds of the Individual Votes shall constitute a quorum.

4.2.3 Standing Committee Voting Requirements

Voting requirements shall apply to either verbal or written ballots.

All actions of the SERC Standing Committees require approval by a Bicameral Simple Majority. However, a motion is still deemed to have passed if either (but not both) the Individual Vote Test or the Adjusted Weighted Vote Test is satisfied (such test that is not satisfied is referred to as the “Failed Test”), and, for purposes of the Failed Test, on an individual Sector basis, the positive votes outweigh the negative votes in every Sector but one.

This process ensures that no two Sectors should be able to control any decision and that a single Sector should not be able to veto any matter.

Any Standing Committee Member Representative may designate an Alternate from that Member to represent the Representative at any Standing Committee meeting by written notification to the SERC office; however, Standing Committee Representatives may not otherwise use proxy votes.

4.2.3.1 Determination of Adjusted Weighted Vote

Adjusted Weighted Votes shall be determined by the following formula:

$$V = 10(1/N) + 30(B/C) + 30(D/E) + 30(F/G)$$

V = % of Adjusted Weighted Vote

N = total number of Members

B = Member's Previous Year internal Peak Demand

C = Total of factor B for all Members

D = Member's owned generating Capacity as of January 1 of the Reporting Year

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E = Total of factor D for all Members

F = Sum of circuit miles of Transmission times the respective operating voltage for facilities of 69 kV and above as of December 31 of the Previous Year

G = Total of factor F for all Members

4.2.3.2 Definitions for Adjusted Weight Vote Formula

Given Year – shall mean the applicable fiscal year for which the Adjusted Weighted Votes are calculated.

Reporting Year – shall mean the fiscal year immediately preceding the Given Year.

Previous Year – shall mean the fiscal year immediately preceding the Reporting Year.

Peak Demand – The highest integrated one-hour demand of the previous year. This demand should be the system's native load including the normally supplied demand of any non-member system within SERC. The demand supplied to another SERC member system should not be included. The demand supplied to another Region should not be included. Direct control load management or interruptible demand should not be included.

The peak demand supplied for the formula should correspond to the number supplied for SERC Coordinated Bulk Power Supply Program EIA-411, Item 1, Actual Data for Previous Year, Peak Month in MW, rounded to the nearest whole number. The basis for development of this number should be the same as supplied for EIA-411, Item 1, Line 01 and 07.

Capacity – Report all existing generating units as of the beginning of the reporting calendar year. (Example: January 1, 1997) Inactive or mothballed units should not be counted. Capacity purchases or sales should not be included. Figures for partially owned units should be divided between member systems based on percentage of ownership. Non-utility generating capacity owned by members of SERC should be reported by the owner. SEPA generation should be reported by SEPA.

The capacity supplied for the Voting Rights/Assessment Formula should correspond to the numbers supplied for SERC Coordinated Bulk Power Supply Program EIA-411, Item 2.1, Total Owned Capacity (Summer) rounded to the nearest whole number. The basis for development of these numbers should be the same as supplied for EIA-411, Item 2.1.

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Transmission – Transmission ownership reported should include miles of transmission as of the last day of the previous year (EXAMPLE: 12/31/2004) by the following voltage classes: 500 kV, 345 kV, 230 kV, 161 kV, 138 kV, 115 kV, 100 kV, and 69 kV. For purposes of the formula, systems with 132 kV should report it as 138 kV; and systems with 66 kV should report it as 69 kV. Do not report 44 kV or equivalent. The intent of this category is to capture network transmission; however, it is understood that some radial transmission may be included in the data currently reported for other purposes.

4.2.4 Voting Requirements for SERC Subgroups

Unless otherwise specified in the subgroup scope, voting in subgroups is generally by consensus, with each Representative having one vote and the voting procedures for Standing Committees specified in Section 4.2.3 will not apply to SERC Subgroups.

4.3 Dispute Resolution

Each committee and subgroup shall strive to resolve any and all disputes that may arise in the conduct of committee business by using the procedures in this manual and in Robert's Rules of Order to resolve such disputes. Any committee member or group of members involved in a dispute shall notify the chairman in writing regarding the specific details of the dispute, including any procedural errors or unfair actions believed to have occurred and any adverse consequences. Each committee member or group of members involved in the dispute shall apply a best effort to resolve the dispute under the guidance of the committee chairman. The dispute may be resolved using whatever methods the chairman may deem appropriate, consistent with this manual and Robert's Rules of Order. If, after notifying the committee chairman of the dispute, a committee member or group of members deems that the dispute cannot be resolved by working further with the chairman, the member or group of members shall have the right to submit a grievance to the SERC Board, requesting action under an applicable SERC dispute resolution program.

4.4 Roster of Membership

A membership roster of the SERC Standing Committee Representatives and Alternates and SERC subgroup Representatives and Alternates shall be maintained and updated as appropriate by the SERC Staff. Members shall provide updated information on names, addresses, phone/fax numbers, and e-mail addresses to the SERC Staff. The roster shall be part of the SERC Roster posted on the SERC Portal.

4.5 Revisions to Organization and Procedures Manual for SERC Standing Committees

The SERC Staff shall maintain information on the SERC Standing Committees. The SERC Staff shall review and update the SERC Organization and Procedures manual for SERC Standing Committees on an annual basis. Reviews and revisions are prompted by the SERC Standing Committee Fall meetings, and changes shall be completed in time for approval at the SERC Standing Committee Spring meetings. Final approval of the Organization and Procedures Manual for SERC Standing Committees will be executed by the SERC Board of Directors.

4.6 Confidentiality/Standards of Conduct Considerations

In carrying out its activities, the SERC Standing Committees and any of their Committees, Subcommittees, Study Groups, Working Groups, or Task Forces shall abide by the FERC Standards of Conduct, the NERC Confidentiality Agreement, and the SERC Confidentiality Policy. The SERC Confidentiality Policy is posted on the SERC website at: <http://www.serc1.org/Pages/ConfidentialityStatement.aspx> .

4.7 Antitrust Compliance

In carrying out its activities, the SERC Standing Committees and any of their Committees, Subcommittees, Study Groups, Working Groups, or Task Forces shall abide by the SERC Antitrust Compliance Guidelines. These guidelines state that it is SERC'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 which might appear to violate, the antitrust laws. The SERC Antitrust Compliance Guidelines are posted on the SERC website at: http://www.serc1.org/Pages/SERC_AntiTrust.aspx .

5.0 NERC Committee Representation

5.1 NERC Standing Committee Representatives

5.1.1 SERC Engineering Committee

The SERC EC shall have one representative on the NERC Planning Committee, which shall be the SERC EC Chair. In the event the SERC EC Chair is unavailable for a NERC PC meeting, the SERC EC Vice Chair will attend as the alternate.

Term

The term of office on the NERC Planning Committee shall coincide with the term of office of the SERC Engineering Committee Chair.

Responsibilities

The NERC PC Representatives shall be responsible for attending the NERC PC meetings, representing SERC EC positions to the NERC PC, casting SERC's vote on matters brought before the NERC PC, and keeping SERC EC aware of issues being discussed and decided at the NERC PC level. A report on NERC issues shall be presented to the SERC EC and SERC OC at each meeting by the NERC PC Representative.

5.1.2 SERC Operating Committee

The SERC OC shall have one representative on the NERC Operating Committee, which shall be the SERC OC Chair. In the event the SERC OC Chair is unavailable for a NERC OC meeting, the SERC OC Vice Chair will attend as the alternate.

Term

The NERC OC Representative's term shall coincide with the term of the office of the SERC Operating Committee Chair.

Responsibilities

The NERC OC Representative shall be responsible for attending the NERC OC meetings, representing SERC OC positions to the NERC OC, and keeping the SERC OC aware of issues being discussed and decided at the NERC OC level. The NERC OC Representative shall coordinate the collection of SERC Subregion data/information on an as-needed basis in response to NERC OC or SERC OC requests. A report on these issues shall be presented to the SERC OC at each meeting.

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5.1.3 SERC Critical Infrastructure Protection Committee

The SERC CIPC shall have three Representatives on the NERC Critical Infrastructure Protection Committee, one each with expertise in physical security, cyber security, and operations. One of the Representatives shall be the SERC CIPC Chair. The SERC CIPC Vice Chair will serve as a second Region Representative to the NERC CIPC so long as the expertise of the SERC CIPC Vice Chair differs from that of the SERC CIPC Chair. SERC CIPC Executive Committee may appoint alternates who will have voice at NERC CIPC meetings and can be named as proxies to absent Representatives.

Term

The NERC CIPC Representatives' terms are expected to be for at least two years with biannual review by SERC CIPC Executive Committee. Terms will generally coincide with the term of office of the SERC CIPC Chair.

Responsibilities

The NERC CIPC Representatives shall be responsible for attending the NERC CIPC meetings, representing SERC CIPC positions to the NERC CIPC, and keeping the SERC CIPC aware of issues being discussed and decided at the NERC CIPC level. The NERC CIPC Representatives shall coordinate the collection of SERC Subregion data/information on an as-needed basis in response to NERC CIPC or SERC CIPC requests. A report on these issues shall be presented to the SERC CIPC at each meeting.

5.2 NERC Standing or Ad Hoc Subcommittees, Task Forces, or Working Groups

There are requirements from time to time to supply a SERC Representative(s) for various NERC Standing Committee activities. The SERC Standing Committee Executive Committee will recommend nominees for these activities to NERC.

Term

These terms are normally open-ended.

Responsibilities

The Representatives are responsible for attending the NERC committee meetings, representing the SERC Standing Committee positions to their NERC committee(s), and keeping the SERC Standing Committees aware of issues being discussed and decided at the NERC committee level.

6.0 SERC Standing Committee Reference Documents

The following documents have been developed by the SERC and the SERC Members to define policies and procedures for ensuring the reliability of the Bulk-Power System. These documents are posted on the SERC website (www.serc1.org).

6.1 SERC Bylaws

The purpose of SERC is to further augment the reliability and adequacy of the Bulk-Power System in the areas served by its Member Systems.

6.2 SERC Regional Reliability Standards

Regional Standards have been developed by the SERC Standing Committees to augment the NERC Reliability Standards for SERC Members by 1) reinforcing the standards and 2) providing documentation on SERC Regional specific practices and procedures related to compliance with the NERC Reliability Standards.

The SERC Standards Development document outlines the process the region follows to produce SERC Regional Standards. The Standing Committees and associated subgroups are the subject matter experts involved in drafting the Standards. Approved SERC Regional Standards will be posted on the SERC website (www.serc1.org).

6.3 SERC Subgroup Scope Documents

Scope documents have been developed by the SERC Standing Committees to describe the purpose and activities of the SERC subgroups. The documents also define the makeup and reporting mechanisms of the subgroups. See Attachments A, B, and C for a listing of the subgroups and excerpts from each subgroup scope.

6.4 Other SERC Standing Committee Documents

SERC Members recognize a commitment to comply with NERC Reliability Standards for the planning, operation and cyber security of the interconnected Bulk-Power System. The SERC Region subscribes to and fully supports the NERC Reliability Standards. In addition to NERC and SERC Regional Standards the SERC Standing Committees have developed a series of documents to offer technical reference information to promote consistent practices among SERC Members. These documents may include guidelines, white papers, and procedures.

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Request for Revision or Development

Any SERC Standing Committee Member may propose a new SERC document, or a revision to an existing SERC document. A Member shall submit the proposal in writing to the Standing Committee Chair. The Standing Committee Chair shall normally present the proposal to the Standing Committee Executive Committee for their approval or disapproval. If approved, the Standing Committee Chair shall remand the proposal to the appropriate Standing Committee subgroup. The Standing Committee subgroup will develop the document and submit it to the Standing Committee for review and approval. Approved Standing Committee Documents will be posted on the SERC website (www.serc1.org).

Appendix A –Engineering Committee Subgroups

A.1 EC Reliability Review Subcommittee (“EC-RRS”)

The EC Reliability Review Subcommittee is a permanent subcommittee of the Engineering Committee.

EC Reliability Review Subcommittee Purpose

The SERC EC Reliability Review Subcommittee reviews and assesses the overall reliability (adequacy and security) of the SERC bulk electric systems, both existing and as planned, to ensure that each SERC member conforms to applicable NERC Reliability Standards, as well as the related SERC Reliability Standards.

EC Reliability Review Subcommittee Membership Summary

The EC-RRS is comprised of a member and alternate from each Subregion of SERC, and three (3) at-large members representing various industry sectors of SERC. The EC-RRS Chair is appointed by the Engineering Committee Chair. To assist the EC-RRS, a member of the SERC Operating Committee will be assigned as a liaison member. In addition, the SERC representative to the NERC Reliability Assessment Subcommittee (RAS) will meet with the EC-RRS as necessary.

EC Reliability Review Subcommittee Responsibilities

- Conduct reviews and assessments which:
 - consider trends in planning, operations, and external influences as they affect reliability, both overall and SERC Subregion specific;
 - are conducted annually and as requested by the NERC Planning Committee; and
 - consider seasonal variations, near-term (years one through five) planning horizon conditions and longer-term (years six through ten) planning horizon conditions.
 - Review and recommend changes to SERC Reliability Standards and NERC Reliability Standards, as necessary.
- Conduct compliance reviews and recommendations for certain NERC Reliability Standards as assigned by the SERC Engineering Compliance Advisory Group (“ECAG”).

A.2 EC Data Collection Task Force (“EC-DCTF”)

The EC Data Collection Task Force is a permanent subgroup of the Engineering Committee.

EC Data Collection Task Force Purpose

The EC Data Collection Task Force collects and coordinates data required for reliability assessments and for the US Department of Energy, Energy Information Administration (“EIA”) Coordinated Bulk Power Supply Program Report (“EIA 411”), and other data collection requirements as requested by the SERC Engineering Committee.

EC Data Collection Task Force Membership Summary

Placeholder

EC Data Collection Task Force Responsibilities

Placeholder

A.3 EC Generation Subcommittee (“EC-GS”)

The EC Generation Subcommittee is a permanent Subcommittee of the Engineering Committee.

EC Generation Subcommittee Purpose

The EC-GS will report to and advise the SERC EC concerning generation issues. The EC-GS will advise the SERC Engineering Compliance Advisory Group (“ECAG”) of generation issues associated with compliance to the NERC Reliability Standards. The EC-GS will develop comments on NERC SANS and Reliability Standards that impact generating stations. The EC-GS will work with various SERC subgroups in carrying out its assigned tasks.

EC Generation Subcommittee Membership Summary

The Subcommittee is comprised of representatives from SERC member companies that owns or operates generation within the SERC region. Member companies will be allowed up to three representatives (Fossil, Nuclear, Hydro). It is suggested that the EC-GS membership be balanced between Corporate Office Engineers and Plant Engineers. Liaison will also be maintained with the Chairs of the Engineering Committee and Operating Committee subgroups, as appropriate. The SERC EC Chair shall appoint an EC-GS member to serve as Chair of the EC-GS and a member to serve as Vice Chair. Normally, one officer will have a nuclear background, and the other a fossil/hydro background.

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EC Generation Subcommittee Responsibilities

- Review the NERC Reliability Standards for application to SERC generating stations.
- Review SERC compliance requirements for NERC Reliability Standards that are applicable to generating stations.
- Serve as a forum for discussing various SERC members' approach to address compliance and other issues of common interest.

A.4 EC Protection and Control Subcommittee (“EC-PCS”)

The EC Protection and Control Subcommittee is a permanent Subcommittee of the Engineering Committee.

EC Protection and Control Subcommittee Purpose

The SERC EC Protection and Control Subcommittee reviews the NERC Reliability Standards related to system protection and control systems, develops SERC Reliability Standards as necessary, and conducts SERC and member compliance reviews of the NERC Reliability Standards.

EC Protection and Control Subcommittee Membership Summary

The Subcommittee is open to one representative and alternate(s) from each of the SERC Transmission and Generation Protection System Owners thereby maintaining sufficient expertise in these areas. Liaisons will also be maintained with the Chairs of the Engineering Committee subgroups, as appropriate. The SERC EC Chair shall appoint two members to serve as Co-Chairs of the EC-PCS.

EC Protection and Control Subcommittee Responsibilities

- Review the NERC Reliability Standards on system protection, control devices, and generator characteristics and controls for application to SERC and identify any areas that SERC should recommend to change.
- Review and monitor periodically NERC Reliability Standards associated with transmission planning and engineering and develop recommended changes in the SERC Reliability Standards to address reliability issues and to achieve SERC Regional compliance.

A.5 EC Planning Standards Subcommittee (EC-PSS)

The EC Planning Standards Subcommittee is a permanent Subcommittee of the Engineering Committee.

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EC Planning Standards Subcommittee Purpose

The SERC EC Planning Standards Subcommittee reviews the NERC Standards Authorization Request (SARS) and Reliability Standards associated with transmission planning and engineering, develops comments on proposed changes to the NERC SARS and standards, and coordinates development and maintenance of SERC Reliability Standards to the NERC Reliability Standards associated with transmission planning and engineering. This coordination includes working with various SERC subgroups.

EC Planning Standards Subcommittee Membership Summary

The Subcommittee is comprised of one representative from each of the SERC Subregions, additional representatives to ensure at least one representative from each of the industry sectors of the SERC membership, and the SERC representative to the NERC Planning Standards Subcommittee. Liaison will also be maintained with the Chairs of the Engineering Committee subgroups, as appropriate. The SERC EC Chair shall appoint a member to serve as Chair of the EC-PSS and a member to serve as Vice Chair.

EC Planning Standards Subcommittee Responsibilities

- Review the NERC Reliability Standards associated with transmission planning and engineering for application to SERC.
- Coordinate with various SERC subgroups to establish and maintain the SERC Reliability Standards and SERC Compliance Templates.

A.6 EC Dynamics Review Subcommittee (“EC-DRS”)

The EC Dynamics Review Subcommittee is a permanent Subcommittee of the Engineering Committee.

EC Dynamics Review Subcommittee Purpose

The purpose of the EC Dynamics Review Subcommittee is to advise the SERC EC concerning issues related to the dynamic performance and dynamic simulation of the power system.

EC Dynamics Review Subcommittee Membership Summary

The EC-DRS is comprised of a member and alternate from each Subregion of SERC, and three (3) at-large members representing various industry sectors of SERC. The EC-DRS Chair is appointed by the Engineering Committee Chair. Liaison will also be maintained with the Chairs of the EC subgroups, as appropriate.

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EC Dynamics Review Subcommittee Responsibilities

- Provide an annual assessment (based on existing studies) of the reliability of the SERC region from a dynamics perspective for inclusion in the annual report prepared by the SERC EC Reliability Review Subcommittee.
- Review and recommend changes to SERC Reliability Standards and NERC Reliability Standards concerning dynamics issues
- Conduct compliance reviews and recommendations for applicable NERC Reliability Standards as assigned by the SERC Engineering Compliance Advisory Group (“ECAG”).

A.7 EC Vegetation Management Subcommittee (“EC-VMS”)

The EC Vegetation Management Subcommittee is a permanent Subcommittee of the Engineering Committee.

EC Vegetation Management Subcommittee Purpose

The purpose of the EC Vegetation Management Subcommittee is to advise the SERC EC concerning vegetation management issues. The EC-VMS will advise the SERC Engineering Compliance Advisory Group (“ECAG”) of vegetation management issues associated with compliance to the NERC Vegetation Management Reliability Standard(s). The EC-VMS will develop comments on NERC SANS and Reliability Standards that impact vegetation management issues. The EC-VMS will work with various SERC subgroups in carrying out its assigned tasks.

EC Vegetation Management Subcommittee Membership Summary

The subcommittee is comprised of eight to twelve representatives from SERC member companies that own or operate transmission within the SERC region. Membership should include representation from all Subregions in SERC. Liaison will be maintained with the Chairs of the Engineering Committee and Operating Committee subgroups, as appropriate. The SERC EC Chair shall appoint an EC-VMS member to serve as Chair of the EC-VMS and a member to serve as Vice Chair.

EC Vegetation Management Subcommittee Responsibilities

- Review and advise the SERC EC and OC concerning member and regional compliance and reporting requirements associated with vegetation management.
- Serve as a forum for discussing various SERC members’ approach to address vegetation management compliance and other issues of common interest.

A.8 EC Model Validation Task Force (“EC-MVTF”)

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The EC Model Validation Task Force was formed at the June 9, 2004 SERC EC meeting. This Task Force will be in place for a maximum of one year (June 2005) or until its assignment is deemed complete by the SERC EC.

EC Model Validation Task Force Purpose

The EC-MVTF will review the requirements of the NERC Board Blackout Recommendation # 14 and will develop and recommend to the SERC EC and OC criteria and procedures for SERC to use in validating data used in power flow models and dynamic simulations by benchmarking model data with actual system performance. The EC-MVTF will work with various SERC subgroups and the EC Regional Studies Steering Committee in carrying out its assigned tasks.

EC Model Validation Task Force Membership Summary

The Task Force is comprised of one representative from each of the SERC Subregions (which should include SERC EC Study Group members), The SERC representative to the NERC MMWG, One member will be appointed by the Chair of the OC-OPS, Two members will be appointed by the Chair of the EC-DRS, One member may be appointed by the Chair of the EC-GS, One member may be appointed by the Chair of the EC-RRS, and Two at-large members to represent other sectors in the SERC region. The SERC EC Chair shall appoint the Chair of the EC-MVTF

EC Model Validation Task Force Responsibilities

- Establish SERC regional criteria and procedures for validating data used in power flow models and dynamic simulations.
- Implement the criteria and procedures by benchmarking model data with actual system performance by February 10, 2005.

A.9 EC Regional Studies Executive Committee (“EC-RSEC”)

The EC Regional Studies Executive Committee is a permanent Committee of the Engineering Committee.

EC Regional Studies Executive Committee Purpose

The purpose of the EC Regional Studies Executive Committee is to oversee the SERC intra-regional studies processes and coordinate inter-regional reliability study processes.

EC Regional Studies Executive Committee Membership Summary

The EC-RSEC is comprised of one representative and an alternate from each SERC member that is registered with NERC as a Transmission Operator, Transmission

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Planner, or Planning Authority. In addition membership is open to two representatives each from the Cooperative, Municipal, and Customer sectors of the SERC membership. The SERC member must abide by FERC regulations related to Standards of Conduct, as those regulations may from time to time be amended, or equivalent. Representatives are appointed by their companies, but must be signatories to SERC confidentiality agreement, and cannot be from the marketing side of the business (i.e., the member cannot be engaged in marketing or sales and cannot be an Energy Affiliate, as those terms are defined in the Standards of Conduct). Liaison will also be maintained with the Chairs of the Engineering Committee subgroups, as appropriate. The SERC EC Chair shall appoint a member of the EC-RSEC to serve as Chair of the EC-RSEC and a member of the EC-RSEC to serve as Vice Chair.

EC Regional Studies Executive Committee Responsibilities

- Has overall responsibility for intra-regional reliability study process and coordinating inter-regional reliability study processes.
- Establishes and maintains policies for conducting intra-regional studies and provides direction for inter-regional studies.
- Promotes consistency in intra-regional and inter-regional studies.

A.10 EC Regional Studies Steering Committee (“EC-RSSC”)

The EC Regional Studies Steering Committee is a permanent Committee of the Engineering Committee.

EC Regional Studies Steering Committee Purpose

The purpose of the EC Regional Studies Steering Committee is to direct the SERC intra-regional studies processes.

EC Regional Studies Steering Committee Membership Summary

The EC-RSSC is comprised of one representative and a maximum of two alternates from each SERC Subregion. The Subregional Representatives will be recommended by the SERC Subregion and appointed by the EC Regional Studies Executive Committee. The EC-RSSC representatives must be from SERC members that are registered with NERC as a Transmission Operator, Transmission Planner, or Planning Authority. The SERC member must abide by FERC regulations related to Standards of Conduct, as those regulations may from time to time be amended, or equivalent. Representatives must be signatories to SERC confidentiality agreement and cannot be from the marketing side of the business (i.e., the member cannot be engaged in marketing or sales and cannot be an Energy Affiliate, as those terms are defined in the Standards of Conduct). Liaison will also be maintained with the Chairs of the Engineering Committee

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subgroups, as appropriate. The EC-RSEC Chair shall appoint a member of the EC-RSSC to serve as Chair of the EC-RSSC and a member to serve as Vice Chair.

EC Regional Studies Steering Committee Responsibilities

- Directs reliability study process in the SERC region.
- Receives requests for needed studies from other SERC groups.
- Determines studies to be performed by intra-regional study groups.

A.11 EC Long-Term Power Flow Study Group (“EC-LT-PFSG”)

The EC Long-Term Power Flow Study Group is a permanent Study Group of the Engineering Committee.

EC Long-Term Power Flow Study Group Purpose

The purpose of the EC Long-Term Power Flow Study Group is to conduct longer-term intra-regional reliability assessment studies.

EC Long-Term Power Flow Study Group Membership Summary

The EC-LT-PFSG is comprised of one representative and an alternate from each SERC member that is registered with NERC as a Transmission Operator, Transmission Planner, or Planning Authority. The SERC member must abide by FERC regulations related to Standards of Conduct, as those regulations may from time to time be amended, or equivalent. Representatives are appointed by their companies, but must be signatories to SERC confidentiality agreement, and cannot be from the marketing side of the business (i.e., the member cannot be engaged in marketing or sales and cannot be an Energy Affiliate, as those terms are defined in the Standards of Conduct). The representatives must be qualified to run power system simulation tools. Liaison will also be maintained with the Chairs of the Engineering Committee subgroups, as appropriate. The EC-RSSC Chair shall appoint a member of the EC-LT-PFSG to serve as Chair of the EC-LT-PFSG and a member to serve as Vice Chair.

EC Long-Term Power Flow Study Group Responsibilities

- Creates SERC regional power flow base cases and provides SERC data for MMWG.
- Conducts longer-term reliability assessment studies as directed by the EC Regional Studies Steering Committee.

A.12 EC Near-Term Power Flow Study Group (“EC-NT-PFSG”)

The EC Near-Term Power Flow Study Group is a permanent Study Group of the Engineering Committee.

EC Near-Term Power Flow Study Group Purpose

The purpose of the EC Near-Term Power Flow Study Group is to conduct intra-regional seasonal reliability and OASIS support studies.

EC Near-Term Power Flow Study Group Membership Summary

The EC-NT-PFSG is comprised of one representative and an alternate from each SERC member that is registered with NERC as a Transmission Operator, Transmission Planner, or Planning Authority. The SERC member must abide by FERC regulations related to Standards of Conduct, as those regulations may from time to time be amended, or equivalent. Representatives are appointed by their companies, but must be signatories to SERC confidentiality agreement, and cannot be from the marketing side of the business (i.e., the member cannot be engaged in marketing or sales and cannot be an Energy Affiliate, as those terms are defined in the Standards of Conduct). The representatives must be qualified to run power system simulation tools. Liaison will also be maintained with the Chairs of the Engineering Committee subgroups, as appropriate. The EC-RSSC Chair shall appoint a member of the EC-NT-PFSG to serve as Chair of the EC-NT-PFSG and a member to serve as Vice Chair.

EC Near-Term Power Flow Study Group Responsibilities

- Conducts summer and winter reliability studies as directed by the EC Regional Studies Steering Committee.
- Conducts seasonal OASIS support studies.

A.13 EC Dynamics Study Group (“EC-DSG”)

The EC Dynamics Study Group is a permanent Study Group of the Engineering Committee.

EC Dynamics Study Group Purpose

The purpose of the EC Dynamics Study Group is to maintain SERC regional dynamics data and conduct special dynamics studies as needed.

EC Dynamics Study Group Membership Summary

The EC-DSG is comprised of one representative and an alternate from each SERC member that is registered with NERC as a Transmission Operator, Transmission

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Planner, or Planning Authority. The SERC member must abide by FERC regulations related to Standards of Conduct, as those regulations may from time to time be amended, or equivalent. Representatives are appointed by their companies, but must be signatories to SERC confidentiality agreement, and cannot be from the marketing side of the business (i.e., the member cannot be engaged in marketing or sales and cannot be an Energy Affiliate, as those terms are defined in the Standards of Conduct). The representatives must be qualified to run dynamics software and analyze results. Liaison will also be maintained with the Chairs of the Engineering Committee subgroups, as appropriate. The EC-RSSC Chair shall appoint a member of the EC-DSG to serve as Chair of the EC-DSG and a member to serve as Vice Chair.

EC Dynamics Study Group Responsibilities

- Prepares SERC regional dynamics base cases for submission to NERC MMWG.
- Reviews dynamics studies performed by member companies and SERC Subregions.
- Performs other dynamics related tasks as directed by the EC Regional Studies Steering Committee.

A.14 EC Short Circuit Database Working Group (“EC-SCDWG”)

The EC Short Circuit Database Working Group is a permanent Working Group of the Engineering Committee.

EC Short Circuit Database Working Group Purpose

The purpose of the EC Short Circuit Database Working Group is to maintain the SERC regional short circuit database.

EC Short Circuit Database Working Group Membership Summary

The EC-SCDWG is comprised of one representative and an alternate from each SERC member that is registered with NERC as a Transmission Operator, Transmission Planner, or Planning Authority. The SERC member must abide by FERC regulations related to Standards of Conduct, as those regulations may from time to time be amended, or equivalent. Representatives are appointed by their companies, but must be signatories to SERC confidentiality agreement, and cannot be from the marketing side of the business (i.e., the member cannot be engaged in marketing or sales and cannot be an Energy Affiliate, as those terms are defined in the Standards of Conduct). The representatives must be qualified to provide and analyze short circuit data. Liaison will also be maintained with the Chairs of the Engineering Committee subgroups, as appropriate. The EC-RSSC Chair shall appoint a member of the EC-SCDWG to serve as Chair of the EC-SCDWG and a member to serve as Vice Chair.

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EC Short Circuit Database Working Group Responsibilities

Compiles short-circuit data supplied by member companies into a SERC short circuit data base.

A.15 EC Generator Standards Field Test Task Force (“EC-GSFT-TF”)

The EC Generator Standards Field Test Task Force is a subgroup of the Engineering Committee.

EC Generator Standards Field Test Task Force Purpose

The purpose of the EC Generator Standards Field Test Task Force is assist in the SERC efforts associated with the NERC CCMC 2006 Field Test of proposed Reliability Standards for MOD-026 (Verification of Models and Data for Generator Excitation System Functions); MOD-027 (Verification of Generator Unit Frequency Response); PRC-019 (Coordination of Generator Voltage Regulator Controls with Unit Capabilities and Protection); and PRC-024 (Generator Performance During Frequency and Voltage Excursions). The EC-GSFT-TF will review the field test requirements, and will develop and recommend for EC approval the SERC Regional Criteria, Standards, and/or Procedures as required by these standards. The EC-GSFT-TF will work with various SERC subgroups as necessary in carrying out its assigned tasks.

EC Generator Standards Field Test Task Force Membership Summary

The EC- GSFT-TF is comprised of one transmission representative and one generation representative from each of the SERC members participating in the field tests, additional subject matter expert representatives (as needed), and SERC Staff Member(s). The SERC EC Chair shall appoint the Chair of the EC-GSFT-TF from the membership of the EC-GSFT-TF.

EC Generator Standards Field Test Task Force Responsibilities

- Establish SERC Regional Criteria, Standards, and/or Procedures as required by the proposed NERC Reliability Standards MOD-026, MOD-027, PRC-019, and PRC-024.
- Assist with the NERC CCMC 2006 Field Test of proposed Reliability Standards for MOD-026, MOD-027, PRC-019, and PRC-024 (as needed and as appropriate).

Appendix B –Operating Committee Subgroups

B.1 OC Telecommunications Subcommittee (“OC-TSC”)

The OC Telecommunications Subcommittee is a permanent subcommittee of the Operating Committee.

OC Telecommunications Subcommittee Purpose

The OC Telecommunications Subcommittee shall keep the SERC OC informed on communication matters and developments that are of interest and concern to system operations.

OC Telecommunications Subcommittee Membership Summary

SERC OC Members shall designate an individual representative to serve on the OC Telecommunications Subcommittee. Officers of the Subcommittee consist of a Chair, Vice Chair, and Secretary who are elected by the Subcommittee membership.

OC Telecommunication Subcommittee Responsibilities

- Report to the OC regarding communication matters and developments that are of interest
- Share information among members regarding new telecommunications technologies and services and their potential impact on reliability while strictly observing the SERC Confidentiality Policy and Antitrust Guidelines
- Conduct intercompany telecommunications projects as assigned by the OC
- Report to the SERC OC at each regularly scheduled meeting regarding the status of all active agenda items

B.2 OC Reliability Coordinator Subcommittee (“OC-RCS”)

The OC Reliability Coordinator Subcommittee is a permanent subcommittee of the Operating Committee.

OC Reliability Coordinator Subcommittee Purpose

The purpose of the SERC OC-RCS is to:

1. Review operational events associated with the performance and/or actions of the SERC Reliability Coordinators;
2. Review proposed NERC/SERC Reliability Standards/Procedures concerning the duties of the Reliability Coordinator;
3. Facilitate coordination of practices among the SERC Reliability Coordinators; and
4. Address Reliability Coordinator related issues assigned to it by the SERC OC or

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as deemed relevant by the OC-RCS.

OC Reliability Coordinator Membership Summary

The OC-RCS is comprised of a representative from each Reliability Coordinator function providing Reliability Coordinator services pursuant to a SERC approved reliability plan. Members should be selected or appointed on the basis of their expertise and current participation in the Reliability Coordinator environment. The Chair of the SERC OC appoints the OC-RCS Chair. The OC-RCS will elect its Vice Chair.

OC Reliability Coordinator Responsibilities

In carrying out its purpose, the OC-RCS will:

1. Abide by the FERC Standards of Conduct, NERC Reliability Coordinator Standards of Conduct, and the NERC Data Confidentiality Agreement.
2. Facilitate communications and coordination among SERC Reliability
3. Coordinators.
4. Review and coordinate the resolution of other reliability coordination issues as identified by members of the OC-RCS.
5. Review past seasons' operations and identify lessons learned.
6. Perform those duties as assigned by the SERC OC.

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Reliability Coordinator	Balancing Authority (“BA”) and Transmission Operator (“TOP”) Responsibility
<p>SOUTHERN RC Area</p>	<p>Alabama Electric Cooperative, Inc. (“AEC”): Transmission Operator; Balancing Authority</p> <p>Georgia Transmission Corporation (“GTC”): Transmission Operator</p> <p>South Mississippi Electric Power Association (“SME”): Transmission Operator; Balancing Authority</p> <p>Southeastern Power Administration – SOU (“SEPA”): Transmission Operator</p> <p>Southern Company Services, Inc. (“SOCO”): Reliability Coordinator; Transmission Operator; Balancing Authority</p>
<p>TVA RC Area</p>	<p>Associated Electric Cooperative, Inc. (“AECI”): Transmission Operator; Balancing Authority</p> <p>Alcoa Power Generating, Inc. – Tapoco (“APGI”): Transmission Operator</p> <p>Southeastern Power Administration – TVA (“SEPA”): Transmission Operator</p> <p>Big Rivers Electric Cooperative (“BREC”): Transmission Operator; Balancing Authority</p> <p>East Kentucky Power Cooperative (“EKPC”): Transmission Operator; Balancing Authority</p> <p>Electric Energy, Inc. (“EEI”): Transmission Operator; Balancing Authority</p> <p>Tennessee Valley Authority (“TVA”): Reliability Coordinator; Transmission Operator; Balancing Authority</p>

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Reliability Coordinator	Balancing Authority (“BA”) and Transmission Operator “TOP”) Responsibility
VACAR SOUTH RC Area	<p>Alcoa Power Generating, Inc. – Yadkin (“YAD”): Transmission Operator; Balancing Authority</p> <p>Duke Power (“DUK”): Transmission Operator; Balancing Authority</p> <p>Duke Power (acting agent)</p> <ul style="list-style-type: none"> • VACAR South (“VACS”): Reliability Coordinator <p>Progress Energy Carolinas (“CPL”, “CPLW”): Transmission Operator; Balancing Authority</p> <p>South Carolina Electric & Gas Company (“SCEG”): Transmission Operator; Balancing Authority</p> <p>South Carolina Public Service Authority (“SC”): Transmission Operator; Balancing Authority</p> <p>Southeastern Power Administration – VAC (“SEPA”): Transmission Operator; Balancing Authority</p>
PJM RC Area in SERC	<p>PJM Interconnection, LLC (“PJM”): Reliability Coordinator</p> <p>PJM Interconnection, LLC (“PJM”) (acting agent for Dominion Virginia Power): Transmission Operator; Balancing Authority</p>

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Reliability Coordinator	Balancing Authority (“BA”) and Transmission Operator “TOP”) Responsibility
MISO RC Area in SERC	<p>MISO: Reliability Coordinator</p> <p>Ameren – IP “IP”): Transmission Operator; Balancing Authority</p> <p>Ameren – CILC (“CILC”): Transmission Operator; Balancing Authority</p> <p>Ameren – AMRN (“AMRN”): Transmission Operator; Balancing Authority</p> <p>Columbia Water and Light (“CWLD”): Transmission Operator; Balancing Authority</p> <p>Southern Illinois Power Cooperative (“SILC”): Transmission Operator; Balancing Authority</p>
SPP RC Area in SERC	<p>SPP Reliability Coordinator</p> <p>Constellation Energy Control and Dispatch, LLC (acting agent)</p> <ul style="list-style-type: none"> • City of North Little Rock, AR (“DENL”): Balancing Authority • City of Ruston, LA (“DERS”): Balancing Authority • Union Power Partners (“PUPP”): Balancing Authority • West Memphis (“WMUC”) – Balancing Authority • Conway (“CNWP”) – Balancing Authority • Batesville (“BCA”): Balancing Authority (April 1, 2006) <p>Louisiana Generating, LLC. (“LAGN”): Transmission Operator; Balancing Authority</p>
SPP ICT RC Area in SERC	<p>Entergy Services, Inc (“EES”): Transmission Operator; Balancing Authority</p>

B.3 OC Operations Planning Subcommittee (“OC-OPS”)

The Operations Planning Subcommittee is a permanent subcommittee of the Operating Committee.

OC Operations Planning Subcommittee Purpose

The SERC OC Operations Planning Subcommittee ensures that information and data is shared and coordinated in the Operations Planning Horizon (typically a time frame from the current hour through 13 months into the future). This Subcommittee addresses issues from the SERC Operating and Engineering Committees. In addition, the OC-OPS facilitates the sharing of data and information with other entities outside of the SERC Region who have the responsibility for improving security and reliability in the Eastern Interconnection.

OC Operations Planning Subcommittee Membership Summary

The OC-OPS is comprised of a Chair and Vice Chair, one representative from each Transmission Owner, Transmission Operator and/or Balancing Authority in the SERC Region, and additional operations planning representatives in other Regions beyond SERC. There will be EC representation from each Subregion within the SERC Region. The Chair of the SERC OC appoints the OC-OPS Chair. The OC-OPS will elect its Vice Chair. The Vice Chair will serve as the OC Liaison to the SERC EC Reliability Review Subcommittee.

All OC-OPS Members should be selected or appointed on the basis of their expertise and their current participation in the Operations and Planning environments.

OC Operations Planning Subcommittee Responsibilities

The OC-OPS will abide by the SERC and NERC Confidentiality Policies and the SERC Antitrust Compliance Guidelines in carrying out its purpose.

Responsibilities

1. Investigate, review, and report on Operations and Planning related issues assigned to the Subcommittee by the SERC OC and make recommendations, as appropriate. This function would include assembling resources and coordinating information necessary to perform post-mortem analysis of operating events.
2. Recommend changes and additions to the SERC Operating Procedures and SERC Reliability Standards, as appropriate, to mitigate concerns identified in the Operations Planning Horizon.
3. Perform a liaison coordination function between the SERC OC and EC regarding Operations Planning issues.
4. Coordinate the development and communication of the emergency action plans

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of the SERC Balancing Authorities and Transmission Operators.

5. Review and coordinate the resolution of other operating issues as identified by members of the OC-OPS.

B.4 OC System Operator Subcommittee (“OC-SOS”)

The OC-System Operator Subcommittee is a permanent subcommittee of the Operating Committee.

OC System Operator Subcommittee Purpose

The SERC OC System Operator Subcommittee promotes the development of the knowledge and skills of system operations personnel responsible for the bulk electric system reliability within the SERC Region. The OC-SOS also defines and addresses training and operational issues at the regional level. The subcommittee will provide System Operators throughout SERC with specific information and training on topics related to important industry issues.

OC System Operator Subcommittee Membership Summary

Members of SERC that perform functions such as Balancing Authority (“BA”), Transmission Operator (“TOP”), Transmission Owner (“TO”) or Transmission Service Provider (“TSP”) and any segment of SERC membership not represented by one of the above functional entities shall be eligible for membership on the OC-SOS. Membership shall also include at least one individual actively employed as a full time System Operator, designated as a Community of Interest Representative. SERC members that operate more than one functional entity shall be limited to one representative. Eligible members shall appoint one representative and one alternate to the OC-SOS. The Community of Interest representative will be appointed by the OC-SOS chair from a slate of candidates offered by the OC-SOS representatives.

The SERC OC Chair shall appoint a member to serve as Chair of the OC-SOS. The subcommittee members shall elect a Vice Chair from the membership.

OC System Operator Subcommittee Responsibilities

The OC-SOS shall abide by the SERC Confidentiality Policy and Antitrust Compliance Guidelines in carrying out its purpose.

Responsibilities

1. Provide a forum to share information; review NERC Reliability Standards requirements, changes and related training needs; and enhance bulk electric system reliability.
2. Provide input on issues related to Operator Certification and training.

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3. Promote competent performance of system operating personnel and compliance with NERC Reliability Standards and SERC Procedures and requirements in a changing electric operating environment through continuing education and training.
4. Provide liaison(s) to other SERC committees, subcommittees, study groups, working groups, etc., as necessary.

B.5 OC NAESB Working Group (“OC-NWG”)

The OC NAESB Working Group is a permanent subgroup of the Operating Committee.

OC NAESB Working Group Purpose

The SERC OC-NWG is responsible for developing and maintaining a forum for discussing, reviewing and commenting on any regional reliability issues that may arise from NAESB standards development.

OC NAESB Working Group Membership Summary

The OC-NWG membership shall consist of one representative from each Balancing Authority or Transmission Operator and a representative from each sector not represented by a Balancing Authority or Transmission. Entities comprised of both a Balancing Authority and Transmission Operator shall have one representative. Liaison will be maintained with the EC and CIPC and with the Chairs of the appropriate Engineering Committee and Operating Committee subgroups, as necessary. OC-NWG members shall be appointed by their respective member companies and should be selected for appointment on the basis of their expertise in reliability matters.

The SERC OC Chair shall appoint an OC-NWG member to serve as the Working Group Chair. The Vice Chair of the OC-NWG shall be elected by the Working Group membership.

OC NAESB Working Group Responsibilities

The OC-NWG will abide by the SERC Confidentiality Policy and the SERC Antitrust Compliance Guidelines in carrying out its purpose.

Responsibilities

1. Develop and document for SERC OC approval a process for identifying, managing and coordinating any regional reliability issues that may arise from NAESB standards development.
2. Develop and maintain a roster of representatives from SERC member companies that participate in NAESB committee, working group, Executive Committee and Board of Directors activities.
3. Develop and maintain a roster of member representatives to coordinate the receipt

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and dissemination of NAESB information within their corporate structure and provide comments on reliability issues.

4. Monitor NAESB activities and inform SERC members about critical business practice issues that could adversely impact reliability.

B.6 OC Real-time Modeling Working Group (“OC-RMWG”)

The OC Real-time Modeling Working Group is a permanent subgroup of the Operating Committee.

OC Real-time Modeling Working Group Purpose

The SERC OC Real-time Modeling Working Group provides overall direction for the exchange of real-time system modeling information to ensure that real-time models used by SERC Balancing Authorities, Transmission Operators and entities responsible for reliability coordinator functions have accurate and timely system representations to support consistent wide-area real-time system analyses. The OC-RMWG will report to the SERC Operating Committee through the OC Operations Planning Subcommittee.

OC Real-time Modeling Working Group Membership Summary

The OC-RMWG is comprised of a Chair and Vice Chair, one representative from each Transmission Operator and/or Transmission Owner in the SERC Region. The SERC member must abide by FERC regulations related to Standards of Conduct, as those regulations may from time to time be amended, or equivalent. Representatives are appointed by their companies, but must be signatories to SERC confidentiality agreement, and cannot be from the marketing side of the business (i.e., the member cannot be engaged in marketing or sales and cannot be an Energy Affiliate, as those terms are defined in the Standards of Conduct).

The Chair of the SERC OC appoints the Working Group Chair. The OC-RMWG will elect its Vice Chair. All OC-RMWG Members should be selected or appointed on the basis of their expertise and their current participation in the real-time modeling environment.

OC Real-time Modeling Working Group Responsibilities

The OC-RMWG will abide by the SERC and NERC Confidentiality Policies and the SERC Antitrust Compliance Guidelines in carrying out its purpose.

Responsibilities

1. Develop and maintain protocols for the exchange of real-time system modeling information within SERC.

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2. Develop and maintain procedures for the exchange of real-time system modeling information.
3. Implement processes to ensure necessary accurate real-time system modeling information is made available to others in a timely manner.
4. Provide periodic updates to the SERC OC on the status of real-time modeling activities throughout SERC

B.7 OC Available Transfer Capability Working Group (“OC-ATCWG”)

The OC Available Transfer Capability Working Group is a permanent subgroup of the Operating Committee.

OC Available Transfer Capability Working Group Purpose

The SERC OC Available Transfer Capability Working Group is responsible for developing and maintaining SERC procedures for determining transfer capabilities and reliability margins that are in compliance with the NERC Reliability Standards. The OC-ATCWG will report to the SERC Operating Committee through the OC Operations Planning Subcommittee.

OC Available Transfer Capability Working Group Membership Summary

The OC-ATCWG membership shall consist of a Chair and Vice Chair and one representative from each Transmission Service Provider in the SERC Region. The Chair of the SERC OC appoints the Working Group Chair. The OC-ATCWG will elect its Vice chair. All OC-ATCWG members should be selected or appointed on the basis of their expertise and their current participation in Transmission Service Provider activities.

OC Available Transfer Capability Working Group Responsibilities

The OC-ATCWG will abide by the SERC Confidentiality Policy and the SERC Antitrust Compliance Guidelines in carrying out its purpose.

Responsibilities

1. Develop and document for SERC OC approval the SERC Regional calculation methodologies for Total Transfer Capability (“TTC”) and Available Transfer Capability (“ATC”) in compliance with NERC Reliability Standard MOD-001 R1.
2. Develop and document for SERC OC approval the SERC procedure for review of Transmission Service Provider TTC and ATC calculations and results in compliance with NERC Reliability Standard MOD-002 R1.
3. Develop and document for SERC OC approval the SERC Regional procedure for input on TTC and ATC methodologies and values in compliance with NERC

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Reliability Standard MOD-003 R1 and R2.

4. Develop and document for SERC OC approval the SERC Regional Capacity Benefit Margin (“CBM”) methodology in compliance with NERC Reliability Standard MOD-004 R1.
5. Develop and document for SERC OC approval the SERC Regional procedure for verifying CBM values in compliance with NERC Reliability Standard MOD-005 R1.
6. Develop and document for SERC OC approval the SERC Regional Transmission Reliability Margin (“TRM”) methodology in compliance with NERC Reliability Standard MOD-008 R1.
7. Develop and document for SERC OC approval the SERC Regional Procedure for verifying TRM values in compliance with NERC Reliability Standard MOD-009 R1.
8. Develop, document, and implement for SERC Operating Compliance Advisory Group (“OCAG”) approval the OC-ATCWG Procedure for performing SERC regional reviews of SERC Transmission Service Provider procedures and data in compliance with NERC Reliability Standards MOD-002 R1 and R2; MOD-005 R1 and R3; and MOD-009 R1 and R3.
9. Become the Responsible Review Group for FAC-012-1 and FAC-013-1 Reliability Standards.

Appendix C – Critical Infrastructure Protection Committee Subgroups

C.1 CIPC Cyber Security Subcommittee (“CIPC-CSS”)

Placeholder

C.2 CIPC Physical Security Subcommittee (“CIPC-PSS”)

Placeholder

C.3 CIPC Operations Subcommittee (“CIPC-OS”)

Placeholder

Appendix D – SERC High Level Organization Chart

