

Establishment and Authority

The Short-Circuit Modeling Subcommittee (SCMS) was established by the System Review Subcommittee (SRS). The SCMS Subcommittee now exists under the Reliability Assessment Committee (RAC).

Purpose and Responsibilities

The purpose of the SCMS is to review short-circuit modeling practices within WECC and enhance coordination of short-circuit modeling data among entities that perform short-circuit studies.

The SCMS is responsible for:

1. Reviewing short-circuit modeling practices used in WECC and identifying and recommending best practices.
2. Exploring, evaluating, and recommending a comprehensive standardized short-circuit data format to facilitate data exchange between widely used software platforms (e.g., ASPEN, CAPE, PSS/E, PSLF, PowerWorld).
3. Maintaining a repository of short-circuit data within WECC to facilitate coordination between WECC entities.
4. Providing a forum to allow software vendors to work together and to enable feedback from software users to the software vendors.
5. Collaborating with other RAC and Reliability Risk Committee (RRC) groups and stakeholders as needed.
6. Performing other tasks as assigned by the RAC.

Committee Composition and Governance

1. Membership

- a. The SCMS will be composed of members from WECC Member organizations.
- b. Members will be selected by their organization's RAC representative, or by their organization's WECC Member Representative if no RAC representative exists.
 - i. WECC Member organizations may have multiple members on the SCMS.

- ii. Notice of selection should be sent to the chair (or designee).
- c. Members will serve until they resign or until a successor has been selected.
- d. The SCMS will also include a liaison, appointed by WECC management, as a member.
- e. Committee members who miss three or more consecutive meetings will be removed from the committee.

2. Leadership

- a. The co-chairs of the RAC will approve one of the SCMS members to serve as the chair.
 - i. The chair will manage the committee and its meetings.
- b. The chair of the SCMS will appoint an SCMS member to serve as the vice chair for SCMS approval.
 - i. The vice chair will perform the duties of the chair in the chair's absence or in case of a vacancy in the office of chair.
 - ii. The vice chair must have the complementary subject matter expertise of the chair, with one having power flow modeling expertise and one having short-circuit modeling expertise.
- c. The chair and vice chair will each hold office for a term of two years, or until a successor has been duly appointed. The chair and vice chair may serve multiple terms.
- d. WECC staff will partner with the chair and vice chair to manage the committee and its meetings, plan the agenda, and coordinate efforts with the other technical committees to ensure alignment with WECC staff work plans and priorities.
- e. WECC staff will prepare minutes of SCMS meetings for the committee's approval.
- f. The chair, or co-chairs, may appoint a steering committee that will assist with meeting agendas and action recommendations. The steering committee will include the vice chair, WECC liaison, subgroup chairs, and may include other members.

3. Meetings

- a. The SCMS will meet as often as required to carry out its responsibilities.
 - i. Meetings will be held according to the WECC Meeting Policy.
 - ii. SCMS meetings may be in-person, virtual, a combination of the two (hybrid), or by conference call, as determined by the chair, or co-chairs.
 - iii. Meetings will be open to the public except as otherwise approved according to Board policy.



- iv. A quorum for meetings will be committee members representing a third of WECC Member organizations with committee members on the committee,
- b. The SCMS will strive to make all decisions by consensus. If consensus is not possible, action taken by the SCMS will require a majority vote of the members present.
 - i. Voting may be by any means the chair or co-chairs determine appropriate.
 - ii. Voting must take place in a noticed meeting.
 - iii. SCMS members may not vote by proxy or absentee ballot.
 - iv. Each WECC Member organization may only have one vote.
 - v. Members who vote in the minority regarding an approval item should provide an explanation for their vote. This explanation or a summary will be included in the minutes.
- c. WECC will give notice to each member of the SCMS of the time and place of all meetings and will post notice of all meetings on the WECC website. Notice will be given no less than:
 - 30 calendar days before in-person and hybrid meetings.
 - 10 calendar days before virtual meetings and conference calls
- d. An agenda and the items for which action may be taken, will be posted no less than:
 - 10 calendar days before in-person and hybrid meetings.
 - Three calendar days before virtual meetings and conference calls.
- e. Any person who wants notice of SCMS meetings may notify the WECC liaison. WECC will then email the notice of future meetings to that person when the committee members receive the notice.

Reporting

The SCMS will report to the RAC on its activities and any recommendations.

Review and Changes to the Charter

The SCMS will review this charter every three years or as needed. The SCMS will then make a recommendation to the RAC for approval.

	Committee	Date
Approved	RAC	June 27, 2023
Endorsed	JGC	August 4, 2023

