

Establishment and Authority

The Underfrequency Load Shedding Work Group (UFLSWG) is established by the Joint Guidance Committee. UFLSWG will report to Operating Committee (OC) and the Studies Subcommittee (StS).

Purpose and Responsibilities

The purpose of the UFLSWG is to serve as custodian of the WECC Off-Nominal Frequency Load Shedding Plan (“WECC Plan”) and to biennially complete coordinated UFLS design assessments to determine whether the WECC Plan’s design meets the performance characteristics specified in NERC Reliability Standard PRC-006.

The UFLSWG will:

1. Review the submitted UFLS data for consistency and accuracy of modeling (as per the requirements of PRC-006-WECC-CRT-3).
2. Perform dynamic simulations biennially to assess the effectiveness and adequacy of WECC Plan’s design in meeting the performance characteristics specified in PRC-006.
3. Document the simulation results in a biennial assessment report.
4. Recommend (to OC and StS) improvements to the WECC Plan’s design and implementation based on findings of the biennial assessment.
5. Perform other tasks as assigned by the StS and/or the OC.

Committee Composition and Governance

1. Membership

- a. The UFLSWG will be composed of WECC member representatives and is open to all interested WECC member organizations. The UFLSWG will consist of subject matter experts derived from both Planning and Operations functions of WECC member organizations.
 - i. Representation from all registered Planning Coordinators is strongly encouraged.
 - ii. UFLSWG work products are focused heavily on power flow and dynamic simulations, so this kind of experience is strongly encouraged.

- iii. UFLSWG work products may result in changes to the WECC Plan's implementation, so some members with operational experience are encouraged.
- b. Members will be selected by their organization's StS representative and/or by their organization's OC representative. If no StS or OC representative exists, a member may be selected by their organization's WECC Member Representative.
- c. Members cannot be marketing-function employees.
- d. Members will serve until they resign, or a successor has been selected.
- e. Members will be appointed by notice to the chair (or designee).
- f. UFLSWG will also include a liaison, appointed by WECC management, as a member.

2. Leadership

- a. The chair of the StS in consultation with OC chair will appoint one of the UFLSWG members to serve as the chair.
- b. The chair of the UFLSWG will appoint one of the UFLSWG members to serve as the vice chair.
- c. The chair and vice chair will each hold office for a term of two years, or until a successor chair or vice chair has been duly appointed. The chair and vice chair may serve multiple terms.
- d. The chair will manage the committee and its meetings.
- e. 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.
- f. The chair will assign a committee member or WECC staff member to prepare minutes of UFLSWG meetings for the committee's approval.

3. Meetings

- a. The UFLSWG will meet at least two times per year and as often as required to carry out its responsibilities. Meetings will be held according to the WECC Meeting Policy.
- b. A quorum for meetings will be one-third of committee members.
- c. Action taken by the UFLSWG will require a majority vote of the members present. Voting may be by any means the chair determines appropriate. UFLSWG members may not vote by proxy or absentee ballot.
- d. UFLSWG meetings may be in person, by webinar, or by conference call, as determined by the chair.



- e. The chair (or designee) will give notice by email to each member of the UFLSWG 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 days before in-person meeting.
 - 10 days before a webinar.
- f. An agenda, containing the items for which action may be taken, will be provided no less than:
 - 10 days before in-person meeting.
 - 3 days before a webinar.
- g. Any person who wants notice of UFLSWG meetings may notify the chair by email. The chair (or designee) will then email a copy of the notice and agenda of future meetings to that person when the committee members receive the notice and agenda.

Reporting

The UFLSWG will report to the StS and OC on its activities and any recommendations.

Review and Changes to the Charter

The UFLSWG will review this charter annually and recommend any changes to the StS and OC.

Approved by the StS: , 2020

Approved by the OC: , 2020

Reviewed by the UFLSWG: , 2020

