

## Resources Subcommittee Scope

### Objective

To be a NERC technical resource to support resolution of balancing resources and demand issues and interconnection frequency related issues.

### Scope

The Resources Subcommittee (RS) accomplishes this objective by:

- Reviewing and assisting in the development of new generation and load “balancing” standards. Develop any necessary reference documents.
- Reviewing and assisting in the development of new interconnection frequency related standards. Develop any necessary reference documents.
- Providing oversight and guidance to working groups and task forces.
- Providing industry leadership and guidance on matters relating to balancing resources and demand issues and interconnection frequency related issues.
- Addressing the reliability aspects of inadvertent interchange creation, accounting and payback.
- Review balancing authorities’ control performance on periodic basis.
- Address technical issues on automatic generation control (AGC), time error correction, operating reserves, and frequency response.

### Operating Committee Directives

Ref: Operating Committee Meeting Minutes, November 10–11, 2004

The following motions were approved by the Operating Committee on November 10–11, 2004:

1. The OC expects the Interconnections (Eastern, Western, ERCOT, and Hydro-Québec) to analyze their frequency or determine if NERC’s balancing standards are “safe and reliable.”
2. The OC understands that the Interconnections’ frequency profiles may be different.
3. The OC expects that these analyses be conducted according to a consistent set of analytical methodologies that the Resources Subcommittee establishes.

4. The OC expects the Interconnections to maintain this data and cooperate with the Resource Subcommittee's needs to perform its analyses. The RS members will agree upon a data retention requirement.

After further discussion, the Operating Committee approved the following motion:

“The Operating Committee’s regional representatives, regional managers, and the Resources Subcommittee are directed to ensure that this resolution is implemented with consideration given to other wide-area data collection initiatives already underway.”

## **Reliability Standard Expertise**

The RS is comprised of members with industry experience and knowledge relating to the NERC “BAL” Resources and Demand Balancing Reliability Standards and other applicable standards.

## **Reporting**

The RS reports to the NERC Operating Committee (OC) and shall maintain communications with other groups as necessary on balancing resources and demand issues and interconnection frequency related issues.

## **Membership**

### **General Requirements**

RS membership requirements are focused on *expertise* and allow the subcommittee the flexibility it needs to ensure it has this expertise.

### **Expertise**

The RS must have sufficient expertise within its ranks to fully understand the BAL and other applicable standards.

### **Commitment and Participation**

RS members must be *committed* to their service on the subcommittee. This means preparing for and actively *participating* in all subcommittee meetings in person or on conference calls. It also means writing and reviewing draft reports, serving on standard authorization request and standards drafting teams if selected, and bringing issues to their Regional Entities, trade organizations, and utilities for further discussion and insight.

### **Replacing Members**

The subcommittee may request a replacement for its member that misses three consecutive meetings without sending a proxy.

## **Required Membership**

NERC OC requires each subcommittee to include, as a minimum, the following voting representation:

### *Voting Members — Required*

1. **Regional representatives.** Each regional reliability council will provide at least one member. The regions will select their representatives based on their expertise in the RS's subject matter.
2. **Interconnections and countries.** If the set of regional representatives does not provide for at least one representative from each interconnection and two representatives from the U.S. and Canada, the subcommittee chairman, working with the NERC staff, will ask for additional members from the regional reliability councils or trade organizations as necessary to fulfill these requirements.

### *Voting Members — Additional*

3. **Additional invited members.** The RS will request additional members as needed for their particular expertise. The subcommittee officers will seek recommendations from trade organizations, Regional Entities, and individual organizations.

### *Non-voting members — Guests and Observers*

RS meetings are open to others who wish to attend as a guest of the subcommittee. The chairman will provide guests and observers the opportunity to contribute to the subcommittee's discussions, provided the subcommittee's voting members have sufficient time to:

1. Complete the debate of their motions, and
2. Complete the meeting agenda.

## **Officers**

The NERC OC chairman appoints the RS officers (the chair and vice chair) for a specific term (generally two years). The subcommittee officers may be reappointed for additional terms. The RS officers are considered members of the subcommittee and may vote.

## **Meeting Procedures**

### **General**

The RS follows the meeting procedures explained in the following two documents:

1. NERC Antitrust Compliance Guidelines, and
2. *Robert's Rules of Order, Newly Revised.*

## **Quorum**

A quorum for conducting business is 50% of the RS members listed on the current subcommittee roster. If a quorum is not present, then the subcommittee may not take any actions requiring a vote of the subcommittee. However, the chair may, with the consent of the members present, allow discussion of agenda items.

## **Minority Opinions and Personal Comments**

The minutes of every RS meeting will include exhibits for minority opinions and personal comments. The chair shall communicate both the majority and any minority views when presenting subcommittee discussion results with the OC.

## **Subgroups**

The RS may, from time to time, form task forces and working groups as necessary, without OC approval. The subcommittee must review the progress of its subgroups at least annually and decide to either continue or disband these groups as needed.

Typically task forces are usually ad-hoc and are not expected to exist after completing their assignments. Conversely, working groups may be ongoing.

Task force and working group chairs (or delegates) are expected to attend the regular subcommittee meetings to report on assignments.

## **Control Criteria Working Group**

The Control Criteria Working Group reviews the BAL standards control performance criteria and assists the balancing authorities and the industry with supporting documentation to better understand the technical aspects of the standards.

## **Frequency Working Group**

The Frequency Working Group has a focus on the Interconnections' frequency issues and related concerns. The work group will perform analysis of frequency trends, events and on-going conditions as it deems necessary or as requested.

## **Inadvertent Interchange Working Group**

The Inadvertent Interchange Working Group addresses the reliability aspects associated with the creation, accounting, and payback of inadvertent interchange.

## **Reserves Working Group**

The Reserves Working Group assesses industry reserve needs and provides technical support to standard authorization request and standards drafting teams for reliability standards whose requirements include operating and/or contingency reserves.