



**RELIABILITY FIRST**

**PROTECTION SUBCOMMITTEE  
PROCEDURE MANUAL  
Endorsed by the Reliability Committee  
April 23, 2019**

Forward Together • **ReliabilityFirst**

# TABLE OF CONTENTS

---

1. PURPOSE .....	3
2. PROTECTION SUBCOMMITTEE FUNCTIONS .....	3
3. MEMBERSHIP.....	4
4. MEETINGS AND SCHEDULES .....	4
5. CHAIR AND VICE CHAIR TERM LIMITS .....	4
6. DUTIES OF THE CHAIR, VICE-CHAIR, MEMBERS AND RF STAFF.....	4
7. REVISION HISTORY.....	5

# **PROTECTION SUBCOMMITTEE**

## **1. PURPOSE**

As stated in the Reliability Committee Governance document, the Protection Subcommittee provides a protection related forum to identify, discuss, and address protective relay and control issues including both generator and transmission protection. The Protection Subcommittee discusses and provides potential solutions to help minimize transmission protection system Misoperations. The Protection Subcommittee also conducts a peer review of Misoperations reported via the NERC MIDAS process.

## **2. PROTECTION SUBCOMMITTEE FUNCTIONS**

The primary functions of the Protection Subcommittee include, but are not limited to:

- Provide expertise, as needed, to address protection issues that are requested by the Reliability Committee or other ReliabilityFirst Subcommittees.
- Provide a forum to discuss protection issues and risks (e.g., distributed resources) associated with the reliability of the Bulk Power System.
- Provide a forum to discuss protection issues with other Regional Entities' protection committees.
- Provide updates of Protection Subcommittee activities to the Reliability Committee.
- Peer review Misoperations reported via the NERC MIDAS process on a quarterly basis (protection experience is necessary for participation).
- Perform short circuit model comparisons between interconnecting transmission companies.
- Provide three participants for membership on the RAS Review Team (protection experience is necessary for this assignment).

### **3. MEMBERSHIP**

As specified in the Reliability Committee Governance document, Subcommittee representation is optional and is open to all Registered Entities of ReliabilityFirst with the necessary experience, expertise, and/or technical qualifications of the function of that Subcommittee. Affiliated companies shall receive one vote and shall designate one Subcommittee Member for voting purposes. However, multiple personnel from one company are welcome to attend meetings, when meetings are open to the public.

Therefore, the Member from an affiliated company must have experience in power system protection; however, it is not necessary to have a protection background to attend any public meetings of the Protection Subcommittee. RF will maintain the roster of Protection Subcommittee Members and other interested Participants that will be used to communicate information about the Protection Subcommittee. Only Protection Subcommittee Members are eligible for leadership positions in the Protection Subcommittee.

### **4. MEETINGS AND SCHEDULES**

The following principles shall govern all meetings:

- Protection Subcommittee meetings are held four times each year at such times determined by the Protection Subcommittee leadership.
- Protection Subcommittee meetings generally alternate between in-person and conference call/webcast format.
- Misoperation peer review meetings are held in-person quarterly at such times determined by RF Staff.
- The Protection Subcommittee leadership will meet quarterly to set the agenda for future meetings.

### **5. CHAIR AND VICE CHAIR TERMS**

The Protection Subcommittee will have a Chair and a Vice Chair. Each even-numbered year on July 1, the Vice Chair of the Protection Subcommittee will become the new Chair of the Protection Subcommittee. A new Vice Chair will be determined from the defined rotation in the Protection Subcommittee Chair Rotation Document, which is maintained by the Protection Subcommittee.

### **6. DUTIES OF THE CHAIR, VICE CHAIR, MEMBERS, AND RF STAFF**

The Chair of the Protection Subcommittee is expected to:

- Prepare the agenda for Protection Subcommittee meetings.
- Lead Protection Subcommittee meetings and conference calls.
- Inform the Reliability Committee of the activities of the Protection Subcommittee.
- Bring Protection Subcommittee issues/concerns to the Reliability Committee.
- Inform the Protection Subcommittee of any directives received from the Reliability Committee.
- Oversee the completion of directives received from the Reliability Committee.

- Represent the Protection Subcommittee at RF, NERC and other industry functions.

The Vice Chair of the Protection Subcommittee is expected to:

- Perform the duties of the Chair in their absence.
- Assist the Chair of the Protection Subcommittee in preparing the agenda for meetings.

The Members are expected to:

- Prepare for and actively participate in each of the discussions.
- Participate in leadership functions of the Protection Subcommittee.

The ReliabilityFirst staff facilitator is expected to:

- Arrange for the meeting place or conference call of all Protection Subcommittee meetings.
- Provide suggested Protection Subcommittee agenda items based on ReliabilityFirst staff activities.
- Serve as the secretary and prepare minutes of the Protection Subcommittee meetings.
- Coordinate the Misoperation peer reviews.
- Provide administrative support to the Protection Subcommittee as necessary.

## 7. REVISION HISTORY

<b>Doc Number</b>	<b>Description</b>	<b>Revised by</b>	<b>Effective Date</b>
Revision 1	Initial publication	Thomas Teafatiller/Protection Subcommittee Group	Voted and Approved 3/4/2019