

# Energy Management System Working Group

## Scope

### Purpose

- Analyze events that affect monitoring, control & situational awareness of the Bulk Electric System (BES) such as complete or partial loss of SCADA/EMS and Real-Time Reliability Tools. Identify the risks and promote development of solutions and/or “good industry practices”.

Through the development of lessons learned, topic specific workshops, and other methods to communicate with the industry, the Energy Management System Working Group (EMSWG) will develop and share:

- Response strategies to minimize the risk involved when events that affect the monitoring, control and situational awareness transpire.
  - Strategies to reduce the frequency and duration of events that affect the monitoring, control and situational awareness.
  - Good practices in monitoring, visualization, situational awareness and training simulator tools.
  - Good practices in design, architecture and management of EMS and various Real-Time Reliability Tools.
  - Human performance challenges & training issues
- Develop and maintain guidelines/recommendations for EMS related applications and services, if requested by Event Analysis Subcommittee (EAS) or Reliability and Security Technical Committee (RSTC).
  - Conduct and publish surveys of member company EMS support staff organization, applications, equipment, capabilities and planned modifications.
  - Maintain liaison with Regional work groups, user groups, vendors, contractors, forums and agencies investigating monitoring, control and situational awareness issues.

### Deliverables

- Sponsor Monitoring and Situational Awareness workshop(s) or technical conference(s) annually
- Publish lessons learned
- Share good industry practices
- Provide updates to the EAS and RSTC

## **Officers**

The NERC EAS Chair appoints the working group officers (Chair and Vice Chair) for a specific term (generally two years). The working group officers may be reappointed for additional terms. The officers are considered members of the working group and may vote. The Working Group Chair is considered a non-voting member of the EAS and is expected to attend the regular standing committee meetings to report on assignments, or provide a summary report of the group's activities, and advise the EAS on important issues at a minimum. The Vice Chair is considered an important succession planning billet with the anticipation that the Vice Chair will be appointed as Working Group Chair for the next term.

## **Membership**

The goal is to gather & leverage industry technical experts in SCADA/EMS, Real Time Reliability Tools & Information Technology from a broad spectrum of registered entities across all the NERC regions. The group will follow the organizational structure and voting rights of the EAS but will also have a variety of subject matter experts from the industry. A NERC representative will also be part of the group.

## **Order of Business**

The desire is to strive for consensus in normal business. If consensus cannot be achieved, the group may hold a vote. Minority opinions may be documented, as desired by the minority, and forwarded to the EAS Chair for consideration.

## **Meeting Procedures**

Quorum: 50 percent of members eligible to vote

Actions requiring a vote shall require a quorum and a simple majority vote of those members present. All other procedures follow the RSTC Charter and Standard Operating Procedure.

## **Reporting**

The group will report to the NERC EAS.

## **Meetings**

The group will have phone conferences and face-to-face meetings as needed.