



# Meeting Agenda

## Security Advisory Council (SAC)

**October 12, 2023**  
**10:00 am to 3:30 pm central**

*MRO Corporate Offices, King Conference Center  
St. Paul, MN & Webex*

## **VIDEO AND AUDIO RECORDING**

**Please note that Midwest Reliability Organization (MRO) may make a video and/or an audio recording of this organizational group meeting for the purposes of making this information available to board members, members, stakeholders and the general public who are unable to attend the meeting in person.**

**By attending this meeting, I grant MRO:**

- 1. Permission to video and/or audio record the meeting including me; and**
- 2. The right to edit, use, and publish the video and/or audio recording.**
- 3. I understand that neither I nor my employer has any right to be compensated in connection with the video and/or audio recording or the granting of this consent.**

## MRO ORGANIZATIONAL GROUP GUIDING PRINCIPLES

These MRO Organizational Group Guiding Principles complement charters. When the Principles are employed by members, they will support the overall purpose of the organizational groups.

Organizational Group Members should:

1. Make every attempt to attend all meetings in person or via webinar.
2. Be responsive to requests, action items, and deadlines.
3. Be active and involved in all organizational group meetings by reviewing all pre-meeting materials and being focused and engaged during the meeting.
4. Be self-motivating, focusing on outcomes during meetings and implementing work plans to benefit MRO and MRO's registered entities.
5. Ensure that the organizational group supports MRO strategic initiatives in current and planned tasks.
6. Be supportive of Highly Effective Reliability Organization (HERO™) principles.
7. Be supportive of proactive initiatives that improve effectiveness and efficiency for MRO and MRO's registered entities.



| Agenda Item                            |   |
|--|---|
| <b>1</b>                               | <b>Call to Order and Determination of Quorum</b><br><i>Ian Anderson, Security Advisory Council Chair</i> <ul style="list-style-type: none"><li>a. Determination of Quorum</li><li>b. Robert's Rules of Order</li></ul>  |
| <b>2</b>                               | <b>Standards of Conduct and Anti-trust Guidelines</b><br><i>Steen Fjalstad, Director of Security, MRO</i>   |
| <b>3</b>                               | <b>Chair's Remarks</b><br><i>Ian Anderson, Security Advisory Council Chair</i>  |
| <b>4</b>                               | <b>MRO SAC Staff Liaison Remarks</b><br><i>Steen Fjalstad, Director of Security, MRO</i> <ul style="list-style-type: none"><li>a. GridEx VII: November 14-15, 2023</li><li>b. OGOC update</li><li>c. HERO Award</li><li>d. Member Expectations</li></ul>  |
| <b>5</b>                               | <b>RRA, RSRA, and Insider Threat Project Update</b><br><i>Lee Felter, Principal Security Engineer, MRO</i>  |
| <b>Break – 11:00 a.m. – 11:15 a.m.</b> |   |
| <b>6</b>                               | <b>2023 Security Conference Debrief</b><br><i>Steen Fjalstad, Director of Security, MRO</i>   |
| <b>7</b>                               | <b>MRO SACTF Update</b><br><i>Brett Lawler, Security Advisory Council Threat Forum Chair</i> <ul style="list-style-type: none"><li>a. MRO SACTF Threat Call and Annual Statistics</li><li>b. MRO SACTF Threat Call Feedback</li><li>c. MRO SACTF Open Source Information Sharing Document</li></ul>   |
| <b>8</b>                               | <b>MRO Representatives on NERC Subgroups Written Reports</b><br><i>Steen Fjalstad, Director of Security, MRO</i> <ul style="list-style-type: none"><li>a. NERC Supply Chain Working Group (SCWG) – <i>Tony Eddleman</i></li><li>b. NERC Security Integration and Technology Enablement Subcommittee (SITES) – <i>Alan Kloster</i></li><li>c. NERC Reliability and Security Technical Committee (RSTC) – <i>Marc Child (providing update as this subgroup does not currently have an MRO representative)</i></li></ul> |
| <b>Lunch – 12:00 p.m. – 1:00 p.m.</b>  |   |
| <b>9</b>                               | <b>SAC and SACTF Membership Survey</b><br><i>Ian Anderson, Security Advisory Council Chair</i>  |
| <b>10</b>                              | <b>Mentorship within the SAC</b><br><i>Ian Anderson, Security Advisory Council Chair</i>  |

## Agenda Item

**11 2023 SACTF Work Plan Update**

*Brett Lawler, Security Advisory Council Threat Forum Chair*

**12 2023 SAC Work Plan Updates**

*Ian Anderson, Security Advisory Council Chair*

**13 2024 Security Conference (Oct 1&2, 2024); GridSecCon: October 2024**

*Steen Fjalstad, Director of Security, MRO*

## Break – 2:00 p.m. – 2:15 p.m.

**14 2024 Calendar and Meeting Dates**

*Steen Fjalstad, Director of Security, MRO*

**15 Action Item Review**

*Margaret Eastman, Security Administrator, MRO*

**16 Other Business and Adjourn**

*Ian Anderson, Security Advisory Council Chair*



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380 St. Peter Street, Suite 800, Saint Paul, MN 55102 | [www.MRO.net](http://www.MRO.net) | 651-855-1760

## AGENDA

### Call to Order and Determination of Quorum

- a. Determination of Quorum and Roster  
*Ian Anderson, Security Advisory Council Chair*

| Name               | Role       | Company                              | Term     |
|--------------------|------------|--------------------------------------|----------|
| Brett Lawler       | Vice Chair | Xcel Energy                          | 12/31/23 |
| Chad Wasinger      | Member     | Sunflower Electric Power Corporation | 12/31/23 |
| Clayton Whitacre   | Member     | Great River Energy                   | 12/31/25 |
| Daniel Graham      | Member     | Basin Electric Power Cooperative     | 12/31/24 |
| Douglas Peterchuck | Member     | Omaha Public Power District          | 12/31/24 |
| Ian Anderson       | Chair      | OGE Energy Corp.                     | 12/31/25 |
| Jason Nations      | Member     | Oklahoma Gas and Electric            | 12/31/24 |
| Justin Haar        | Member     | Minnkota Power Cooperative           | 12/31/23 |
| Matthew Szyda      | Member     | Manitoba Hydro                       | 12/31/23 |
| Michael Meason     | Member     | Western Farmers Electric Cooperative | 12/31/23 |
| Norma Browne       | Member     | Ameren                               | 12/31/24 |
| Patrick Glunz      | Member     | Nebraska Public Power District       | 12/31/25 |
| Peter Grandgeorge  | Member     | MidAmerican Energy Company           | 12/31/25 |
| Rocky Tolentino    | Member     | Southwest Power Pool                 | 12/31/25 |
| Tim Anderson       | Member     | Dairyland Power Cooperative          | 12/31/24 |

## AGENDA

### Call to Order and Determination of Quorum

b. Robert's Rules of Order  
*Ian Anderson, MRO SAC Chair*

**Parliamentary Procedures.** Based on Robert's Rules of Order, Newly Revised, Tenth Edition

**Establishing a Quorum.** In order to make efficient use of time at MRO organizational group meetings, once a quorum is established, the meeting will continue, however, no votes will be taken unless a quorum is present at the time any vote is taken.

**Motions.** Unless noted otherwise, all procedures require a "second" to enable discussion.

| When you want to...                            | Procedure                                 | Debatable | Comments   |
|--|---|-----------|--|
| Raise an issue for discussion                  | Move                                      | Yes       | The main action that begins a debate.  |
| Revise a Motion currently under discussion     | Amend                                     | Yes       | Takes precedence over discussion of main motion. Motions to amend an amendment are allowed, but not any further. The amendment must be germane to the main motion, and cannot reverse the intent of the main motion. |
| Reconsider a Motion already resolved           | Reconsider                                | Yes       | Allowed only by member who voted on the prevailing side of the original motion. Second by anyone.  |
| End debate                                     | Call for the Question<br>or<br>End Debate | No        | If the Chair senses that the committee is ready to vote, he may say "if there are no objections, we will now vote on the Motion." Otherwise, this motion is not debatable and subject to majority approval.          |
| Record each member's vote on a Motion          | Request a Roll Call Vote                  | No        | Takes precedence over main motion. No debate allowed, but the members must approve by majority.  |
| Postpone discussion until later in the meeting | Lay on the Table                          | Yes       | Takes precedence over main motion. Used only to postpone discussion until later in the meeting.  |
| Postpone discussion until a future date        | Postpone until                            | Yes       | Takes precedence over main motion. Debatable only regarding the date (and time) at which to bring the Motion back for further discussion.  |

## MEETING AGENDA – Security Advisory Council – October 12, 2023

|   |                       |     |   |
|---|-----------------------|-----|---|
| Remove the motion for any further consideration | Postpone indefinitely | Yes | Takes precedence over main motion. Debate can extend to the discussion of the main motion. If approved, it effectively “kills” the motion. Useful for disposing of a badly chosen motion that cannot be adopted or rejected without undesirable consequences. |
| Request a review of procedure                   | Point of order        | No  | Second not required. The Chair or secretary shall review the parliamentary procedure used during the discussion of the Motion.  |

### Notes on Motions

**Seconds.** A Motion must have a second to ensure that at least two members wish to discuss the issue. The “seconder” is not required to be recorded in the minutes. Neither are motions that do not receive a second.

**Announcement by the Chair.** The chair should announce the Motion before debate begins. This ensures that the wording is understood by the membership. Once the Motion is announced and seconded, the Committee “owns” the motion, and must deal with it according to parliamentary procedure.

### Voting

| Voting Method                 | When Used   | How Recorded in Minutes  |
|-------------------------------|---|--|
|                               | When the Chair senses that the Committee is substantially in agreement, and the Motion needed little or no debate. No actual vote is taken.   | The minutes show “by unanimous consent.”   |
| Vote by Voice                 | The standard practice.  | The minutes show Approved or Not Approved (or Failed).   |
| Vote by Show of Hands (tally) | To record the number of votes on each side when an issue has engendered substantial debate or appears to be divisive. Also used when a Voice Vote is inconclusive. (The Chair should ask for a Vote by Show of Hands when requested by a member). | The minutes show both vote totals, and then Approved or Not Approved (or Failed).  |
| Vote by Roll Call             | To record each member’s vote. Each member is called upon by the Secretary, and the member indicates either<br><br>“Yes,” “No,” or “Present” if abstaining.  | The minutes will include the list of members, how each voted or abstained, and the vote totals. Those members for which a “Yes,” “No,” or “Present” is not shown are considered absent for the vote. |



## MEETING AGENDA – Security Advisory Council – October 12, 2023

### Notes on Voting.

**Abstentions.** When a member abstains, he/she is not voting on the Motion, and his/her abstention is not counted in determining the results of the vote. The Chair should not ask for a tally of those who abstained.

**Determining the results.** A simple majority of the votes cast is required to approve an organizational group recommendations or decision.

**“Unanimous Approval.”** Can only be determined by a Roll Call vote because the other methods do not determine whether every member attending the meeting was actually present when the vote was taken, or whether there were abstentions.

**Electronic Votes** – For an e-mail vote to pass, the requirement is a simple majority of the votes cast during the time-period of the vote as established by the Committee Chair.

**Majorities.** Per Robert’s Rules, as well as MRO Policy and Procedure 3, a simple majority (one more than half) is required to pass motions

## AGENDA

### **Standards of Conduct and Antitrust Guidelines** *Ian Anderson, MRO SAC Chair*

#### **Standards of Conduct Reminder:**

Standards of Conduct prohibit MRO staff, committee, subcommittee, and task force members from sharing non-public transmission sensitive information with anyone who is either an affiliate merchant or could be a conduit of information to an affiliate merchant.

#### **Antitrust Reminder:**

Participants in Midwest Reliability Organization meeting activities must refrain from the following when acting in their capacity as participants in Midwest Reliability Organization activities (i.e. meetings, conference calls, and informal discussions):

- Discussions involving pricing information; and
- Discussions of a participants marketing strategies; and
- Discussions regarding how customers and geographical areas are to be divided among competitors; and
- Discussions concerning the exclusion of competitors from markets; and
- Discussions concerning boycotting or group refusals to deal with competitors, vendors, or suppliers.

## AGENDA

### Chair's Remarks

*Ian Anderson, Security Advisory Council Chair*

### Action

Information

### Report

Chair Anderson will lead this discussion during the meeting.

## AGENDA

### MRO SAC Staff Liaison Remarks

a. GridEx VII: November 14-15, 2023

*Steen Fjalstad, Director of Security, MRO*

### Action

Discussion

### Report

Steen Fjalstad will lead the discussion during the meeting.

## AGENDA

### MRO SAC Staff Liaison Remarks

b. OGOC Update

*Steen Fjalstad, Director of Security, MRO*

### Action

Discussion

### Report

Steen Fjalstad will lead the discussion during the meeting.

## AGENDA

### MRO SAC Staff Liaison Remarks

c. HERO Award

*Steen Fjalstad, Director of Security, MRO*

### Action

Discussion

### Report

Steen Fjalstad will lead the discussion during the meeting.

## AGENDA

### MRO SAC Staff Liaison Remarks

d. Member Expectations

*Steen Fjalstad, Director of Security, MRO*

### Action

Discussion

### Report

Steen Fjalstad will lead the discussion during the meeting.

## AGENDA

### **RRA, RSRA, and Insider Threat Project Update** *Lee Felter, Principal Security Engineer, MRO*

#### **Action**

Discussion

#### **Report**

Lee Felter will lead the discussion during the meeting.



## AGENDA

### 2023 Security Conference Debrief *Steen Fjalstad, Director of Security, MRO*

#### Action

Discussion

#### Report

Steen Fjalstad will lead the discussion during the meeting.

## 2023 Security Hybrid Conference Survey Results 20 responses

**Attendance:** Security Training  
In-person **70**, Virtual **90**  
**Attendance:** Security Conf  
In-person **73**, Virtual **133**  
Average Score for Event **4.11**

### Questions

Average score per Question

- |   |      |
|---|------|
| 1. Overall, how would you rate this event?  | 4.4  |
| 2. How relevant was the material provided to the work you do?   | 4.26 |
| 3. How likely are you to attend this or other MRO outreach events again?  | 4.65 |
| 4. For in-person attendees, how would you rate the location and conference facilities?  | 4.24 |
| 5. For virtual attendees, how would you rate your experience with attending this event virtually?   | 3    |
| 6. If there is one thing you would have changed about this event, what would it be?   |      |
| <ul style="list-style-type: none"><li>• Don't keep the room so darned cold! Also, many more attendees may have participated in the INL event if it had been better described.</li><li>• More Tibetan Singing Bowl!</li><li>• More physical security topics</li><li>• Less product discussion/ implementation talks. More general knowledge/ training talks. A better venue with better food would also be appreciated.</li><li>• Coffee 1st thing in the morning.</li><li>• Eliminate review of a specific software Dragos and present around weaknesses and vulnerabilities around remote access. How secure are intermediate devices?</li><li>• It was cold in the room. Need some more cowbell.</li><li>• 2 of 3 speakers were very engaging.</li><li>• Well done!</li></ul> |      |

## AGENDA

### Security Advisory Council Threat Forum (SACTF) Threat Call

#### a. Threat Call Statistics

*Brett Lawler, Security Advisory Council Threat Forum Chair*

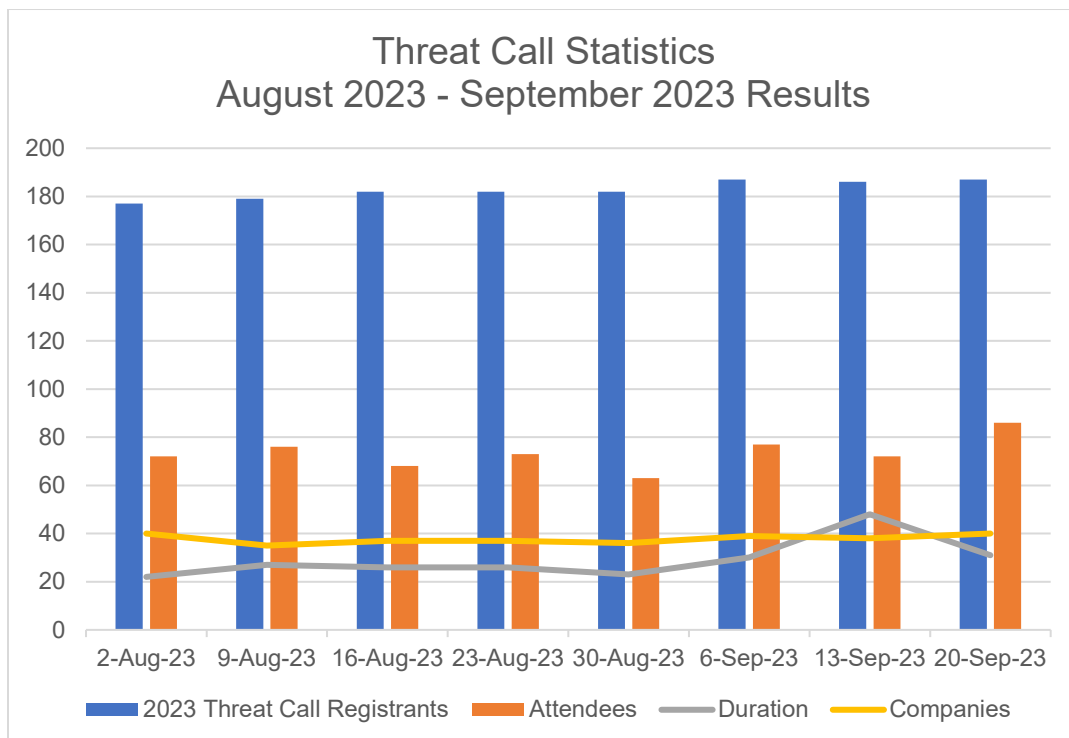
## Action

Information

## Report

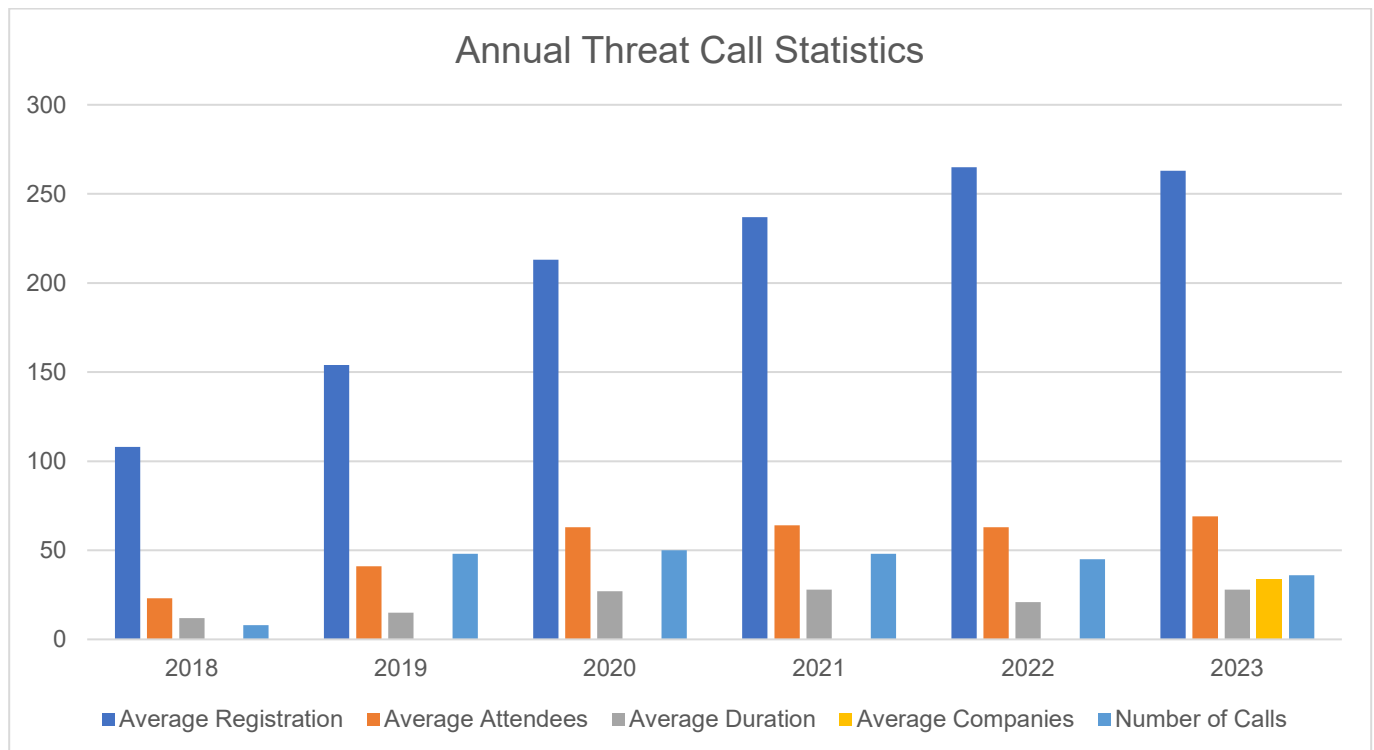
### Threat Call Statistics

| Date               | Approved Registrants | Duration          | Attendees | Unique Companies |
|--------------------|----------------------|-------------------|-----------|------------------|
| August 2, 2023     | 177                  | 22 Minutes        | 72        | 40               |
| August 9, 2023     | 179                  | 27 Minutes        | 76        | 35               |
| August 16, 2023    | 182                  | 26 Minutes        | 68        | 37               |
| August 23, 2023    | 182                  | 26 Minutes        | 73        | 37               |
| August 30, 2023    | 182                  | 23 Minutes        | 63        | 36               |
| September 6, 2023  | 187                  | 30 Minutes        | 77        | 39               |
| September 13, 2023 | 186                  | 48 Minutes        | 72        | 38               |
| September 20, 2023 | 187                  | 31 Minutes        | 86        | 40               |
| <b>Averages</b>    | <b>183</b>           | <b>29 Minutes</b> | <b>73</b> | <b>38</b>        |



**Annual Threat Call Statistics**

| Year | Average Registrants | Average Attendees | Average Duration | Number of Calls |
|------|---------------------|-------------------|------------------|-----------------|
| 2018 | 108                 | 23                | 12 Minutes       | 8 Calls         |
| 2019 | 154                 | 41                | 15 Minutes       | 48 Calls        |
| 2020 | 213                 | 63                | 27 Minutes       | 50 Calls        |
| 2021 | 237                 | 64                | 28 Minutes       | 48 Calls        |
| 2022 | 265                 | 63                | 21 Minutes       | 45 Calls        |
| 2023 | 272                 | 69                | 29 Minutes       | 36 Calls        |



## AGENDA

### Security Advisory Council Threat Forum (SACTF) Update

#### b. Threat Call Feedback

**Brett Lawler, Security Advisory Council Threat Forum Chair**

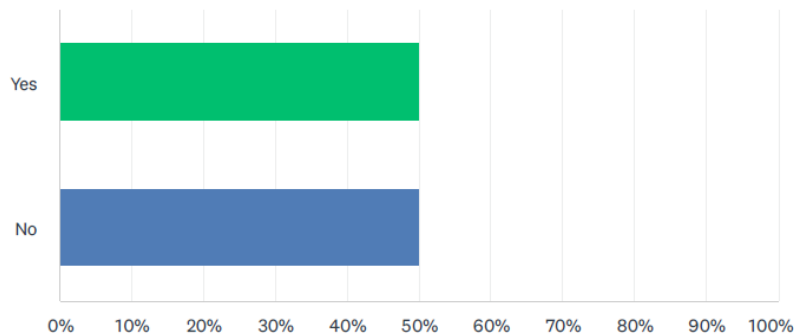
## Report

SACTF Chair Lawler will lead this discussion during the meeting.

### MRO SAC Threat Call (Question A)

Q1 During the last 3-6 months, I have taken some sort of action in my company based on information received on the MRO SAC Threat Call?

Answered: 2 Skipped: 0



| ANSWER CHOICES | RESPONSES |
|----------------|-----------|
| Yes            | 50.00% 1  |
| No             | 50.00% 1  |
| TOTAL          | 2         |

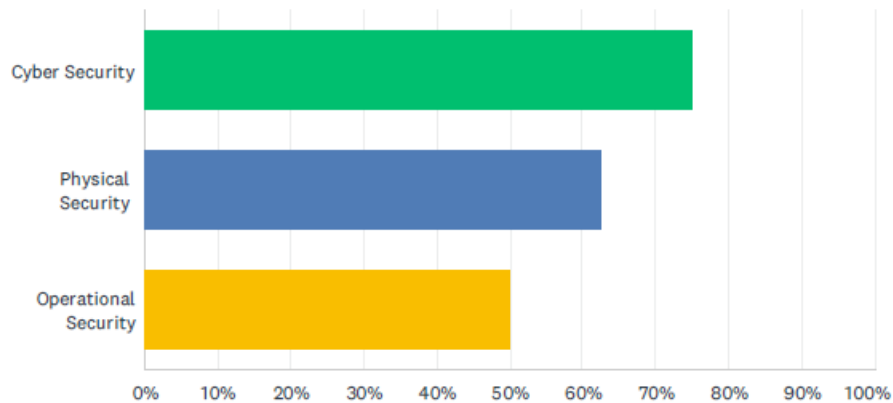
| # | RESPONSES  | DATE             |
|---|--|------------------|
| 1 | Information is shared with need to know staff.                                       | 8/2/2023 8:19 AM |
| 2 | I am in a compliance role, but I have referred information to the CyberSecurity Team | 8/2/2023 8:10 AM |

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## MRO SAC Threat Call (Question B)

### Q1 I focus on (multi choice – select all that apply):

Answered: 8 Skipped: 0



| ANSWER CHOICES       | RESPONSES |   |
|----------------------|-----------|---|
| Cyber Security       | 75.00%    | 6 |
| Physical Security    | 62.50%    | 5 |
| Operational Security | 50.00%    | 4 |
| Total Respondents: 8 |           |   |

### Q2 Comments:

Answered: 1 Skipped: 7

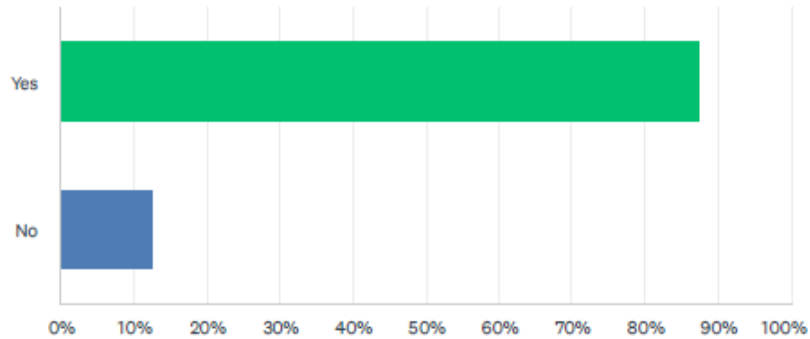
| # | RESPONSES      | DATE              |
|---|----------------|-------------------|
| 1 | Great job all! | 9/13/2023 9:00 AM |

## MEETING AGENDA – Security Advisory Council – October 12, 2023

### MRO SAC Threat Call (Question C)

Q1 Me or my company have directly contributed to the conversation during the threat call in the last 3-6 months.

Answered: 8 Skipped: 0



| ANSWER CHOICES | RESPONSES |   |
|----------------|-----------|---|
| Yes            | 87.50%    | 7 |
| No             | 12.50%    | 1 |
| TOTAL          |           | 8 |

### Q2 Comments:

Answered: 3 Skipped: 5

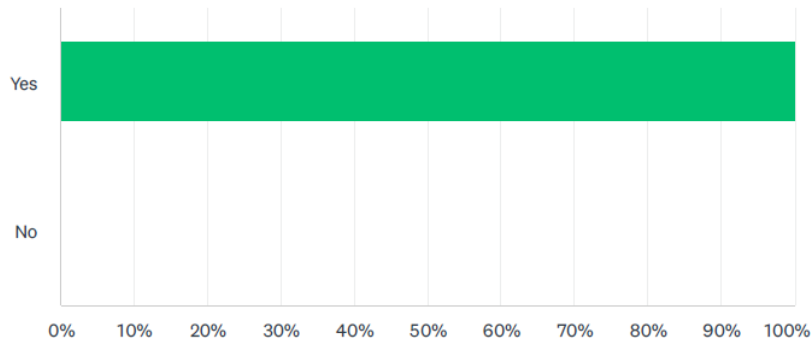
| # | RESPONSES   | DATE              |
|---|---|-------------------|
| 1 | I just recently joined this weekly call, but I have participated in other MRO events. | 8/30/2023 8:38 AM |
| 2 | Information from the SACTF is shared with need-to-know staff.                         | 8/16/2023 8:40 AM |
| 3 | Good call on shot detection tech today!!!   | 8/16/2023 8:40 AM |

## MEETING AGENDA – Security Advisory Council – October 12, 2023

### MRO SAC Threat Call (Question D)

Q1 I have learned something new from the threat call in the last 3-6 months.

Answered: 11 Skipped: 0



| ANSWER CHOICES | RESPONSES |    |
|----------------|-----------|----|
| Yes            | 100.00%   | 11 |
| No             | 0.00%     | 0  |
| TOTAL          |           | 11 |

### Q2 Comments:

Answered: 4 Skipped: 7

| # | RESPONSES   | DATE              |
|---|---|-------------------|
| 1 | The information shared is always relevant and a good use of time. | 9/20/2023 8:46 AM |
| 2 | Good calls!   | 9/20/2023 8:45 AM |
| 3 | Information from the SAC call is shared with need-to-know staff.  | 9/6/2023 8:09 AM  |
| 4 | Information from the SACTF is shared with need to know staff.     | 8/23/2023 8:40 AM |



## AGENDA

### Security Advisory Council Threat Forum (SACTF) Update

c. Open Source Information Sharing Document

*Brett Lawler, Security Advisory Council Threat Forum Chair*

### Action

SACTF Chair Lawler will lead this discussion during the meeting.

## AGENDA

### MRO Representative on NERC Subgroups – Written Reports

#### a. NERC Supply Chain Working Group (SCWG)

*Tony Eddleman, NERC SCWG Representative*

### Action

Discussion

### Report

The SCWG reports to the NERC Reliability and Security Technical Committee (RSTC). SCWG meets monthly on the third Monday of each month at 12:00 p.m. (central time), except for the months of January, February, and June. Due to holidays in January and February, SCWG meets on the second Monday of each month.

1. New SCWG Chair is Roy Adams, Consolidated Edison Company of New York. Dr. Thomas Duffey, ITegrity is the SCWG Vice Chair. Tom Hofstetter (NERC) is the Secretary. Tom retired on Friday, October 13<sup>th</sup>, but continues in the Secretary role until a new Secretary is appointed. Stephanie Lawrence (NERC) is the Administrator. Christine Ericson (Illinois Commerce Commission) is the RSTC Sponsor.
2. Three Security Guidelines have been posted for public comments. Comments are due by November 6, 2023. Comments should be submitted to Tom Hofstetter (tom.hofstetter@nerc.net) with the words “Security Guideline Comments” in the subject line. There are separate comment forms for each guideline.

Stephanie Lawrence (NERC) email on September 21, 2023:

NERC Announcement: Request for Comments | Supply Chain Security Guidelines | Product Security Sourcing | Vendor Incident Response | Procurement Language

1. Vendor Identified Incident Response Measures
  - a) Team Lead: Mike Prescher, Black & Veatch
2. Procurement Language
  - a) Team Lead: Shari Gribbin, CNK Solutions
3. Sourcing Issues with Supply Chain Procurements
  - a) Team Lead: Tobias Whitney, Fortress Information Security
3. Security Guideline Development
  - 1) Supply Chain Risks Related to Cloud Service Providers

- a) Team Lead: Matt Szyda, Manitoba Hydro
  - b) SCWG team is developing a new guideline that will complement the new SITES whitepaper on cloud computing.
4. The RSTC assigned a Whitepaper on NERC Reliability Standards Gap Assessment to the SCWG. The team is forming now with some volunteers already identified. **If you have an interest in this work, please contact Tom Hofstetter (tom.hofstetter@nerc.net) to join the team.** The gap assessment will review the current Supply Chain requirements to determine what is already in the requirements versus what needs to be in the requirements. If there are gaps on Supply Chain security, a possible SAR will be developed to fix the gaps. A new Security Guideline may be used to cover the gaps in lieu of a SAR. (This is an active project, but team hasn't started work yet.)
- 1) CIP-013-2 Supply Chain Risk Management SAR
    - a) Included in the September NERC Standards Committee agenda package

### **Areas of Focus**

- 1. Maintain a roster of technical cyber and operations security experts.
- 2. Identify known supply chain risks and address through guidance documentation or other appropriate vehicles including input to NERC Alerts or the E-ISAC advisories.
- 3. Partner with National Laboratories to identify vulnerabilities in legacy equipment and develop mitigation practices.
- 4. Assist NERC staff by providing input and feedback associated with the development and execution of supply chain documents.
- 5. Coordinate with the North American Transmission Forum (NATF) and other industry groups as appropriate to ensure bulk power system (BPS) asset owner supply chain security requirements are clearly articulated.

### **Accomplishments**

- 1. Posted three Security Guidelines for public comment

### **Challenges**

- 1. Leadership transitions
- 2. SCWG has multiple review teams working concurrently on Security Guidelines.
  - a. One Security Guideline in Development
  - b. Will be responding to comments on three Security Guidelines
- 3. Monitoring and staying current on Supply Chain developments in the federal government and industry



MIDWEST  
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# **NERC Supply Chain Working Group (SCWG) Update**

**Tony Eddleman, P.E.**

**Nebraska Public Power District**

CLARITY

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# Disclaimer

**The Midwest Reliability Organization (MRO) Security Advisory Council (SAC)(or CMEPAC or RAC) is committed to providing training and non-binding guidance to industry stakeholders regarding existing and emerging security topics. Subject Matter Experts (SMEs) developed any materials, including presentations, through the MRO SAC from member organizations within the MRO Region and other government and industry security experts. The views in this presentation are presented by these MRO SAC SMEs, government, and industry experts, and do not express the opinions and views of MRO.**



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# SCWG Leadership

- **New Chair: Roy Adams, Consolidated Edison Company of New York**
- **Vice Chair - Dr. Thomas Duffey, ITegrity**
- **Secretary – Tom Hofstetter, NERC**
  - Retired on Friday, October 13th, but continues in the Secretary role until a new Secretary is appointed
- **Administrator - Stephanie Lawrence (NERC)**
- **RSTC Sponsor: Christine Ericson, Illinois Commerce Commission**

**SCWG meets monthly on the third Monday of each month at 12:00 p.m. (central time)**



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# Security Guidelines Posted for Comments

- **Three Security Guidelines have been posted for public comments**
  - Vendor Identified Incident Response Measures
    - Team Lead: Mike Prescher, Black & Veatch
  - Supply Chain Procurement Language
    - Team Lead: Shari Gribbin, CNK Solutions
  - Product Security Sourcing Guide
    - Team Lead: Tobias Whitney, Fortress Information Security
- **Comments are due by November 6, 2023**
- **Comments should be submitted to Tom Hofstetter (tom.hofstetter@nerc.net) with the words “Security Guideline Comments” in the subject line**
- **There are separate comment forms for each guideline**



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The vision of NERC and the power system is to ensure the reliability of the power system.

- Compliance and Certification Committee (CCC)
- Personnel Certification Governance Committee (PCGC)
- Reliability Issues Steering Committee (RISC)
- ▶ **Reliability and Security Technical Committee (RSTC)**
- Standards Committee (SC)
- Standing Committees Coordinating Group (SCCG)

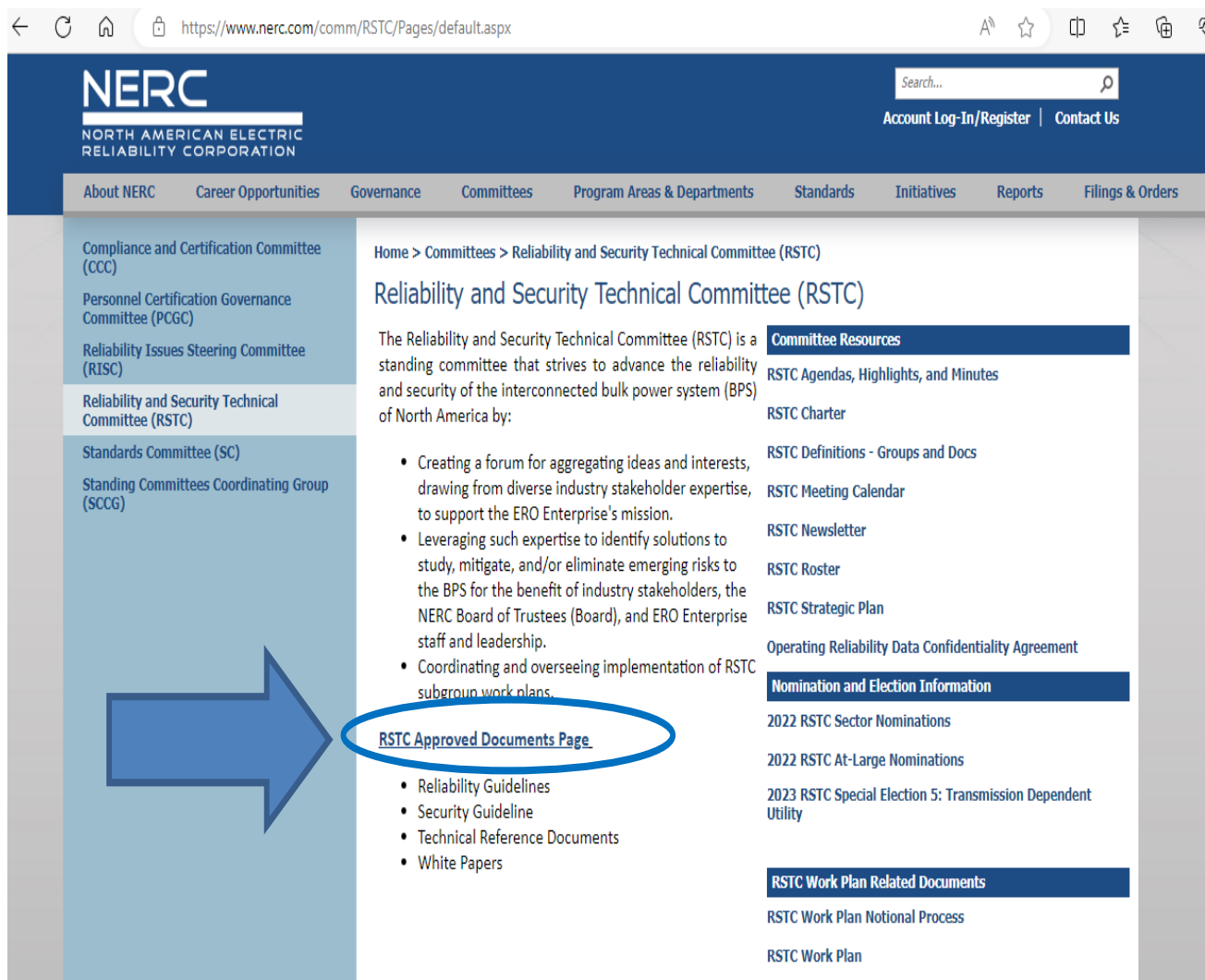
Enterprise, which is comprised of the electric and secure North American bulk power system and efficient reduction of risks to the system.

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# RSTC Home Page

## Select RSTC Approved Documents Page



The screenshot shows the NERC website's RSTC Home Page. A large blue arrow points from the left sidebar to the 'RSTC Approved Documents Page' link in the main content area. The link is circled in blue. The page layout includes a top navigation bar with the NERC logo and a search bar. Below this is a secondary navigation bar with links to various sections. The main content area is divided into three columns: a left sidebar with links to other committees, a central main content area with a description of the RSTC and a list of approved documents, and a right sidebar with links to committee resources and nomination information.

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Home > Committees > Reliability and Security Technical Committee (RSTC)

### Reliability and Security Technical Committee (RSTC)

The Reliability and Security Technical Committee (RSTC) is a standing committee that strives to advance the reliability and security of the interconnected bulk power system (BPS) of North America by:

- Creating a forum for aggregating ideas and interests, drawing from diverse industry stakeholder expertise, to support the ERO Enterprise's mission.
- Leveraging such expertise to identify solutions to study, mitigate, and/or eliminate emerging risks to the BPS for the benefit of industry stakeholders, the NERC Board of Trustees (Board), and ERO Enterprise staff and leadership.
- Coordinating and overseeing implementation of RSTC subgroup work plans.

[RSTC Approved Documents Page](#)

- Reliability Guidelines
- Security Guideline
- Technical Reference Documents
- White Papers

#### Committee Resources

- RSTC Agendas, Highlights, and Minutes
- RSTC Charter
- RSTC Definitions - Groups and Docs
- RSTC Meeting Calendar
- RSTC Newsletter
- RSTC Roster
- RSTC Strategic Plan
- Operating Reliability Data Confidentiality Agreement

#### Nomination and Election Information

- 2022 RSTC Sector Nominations
- 2022 RSTC At-Large Nominations
- 2023 RSTC Special Election 5: Transmission Dependent Utility

#### RSTC Work Plan Related Documents

- RSTC Work Plan Notional Process
- RSTC Work Plan



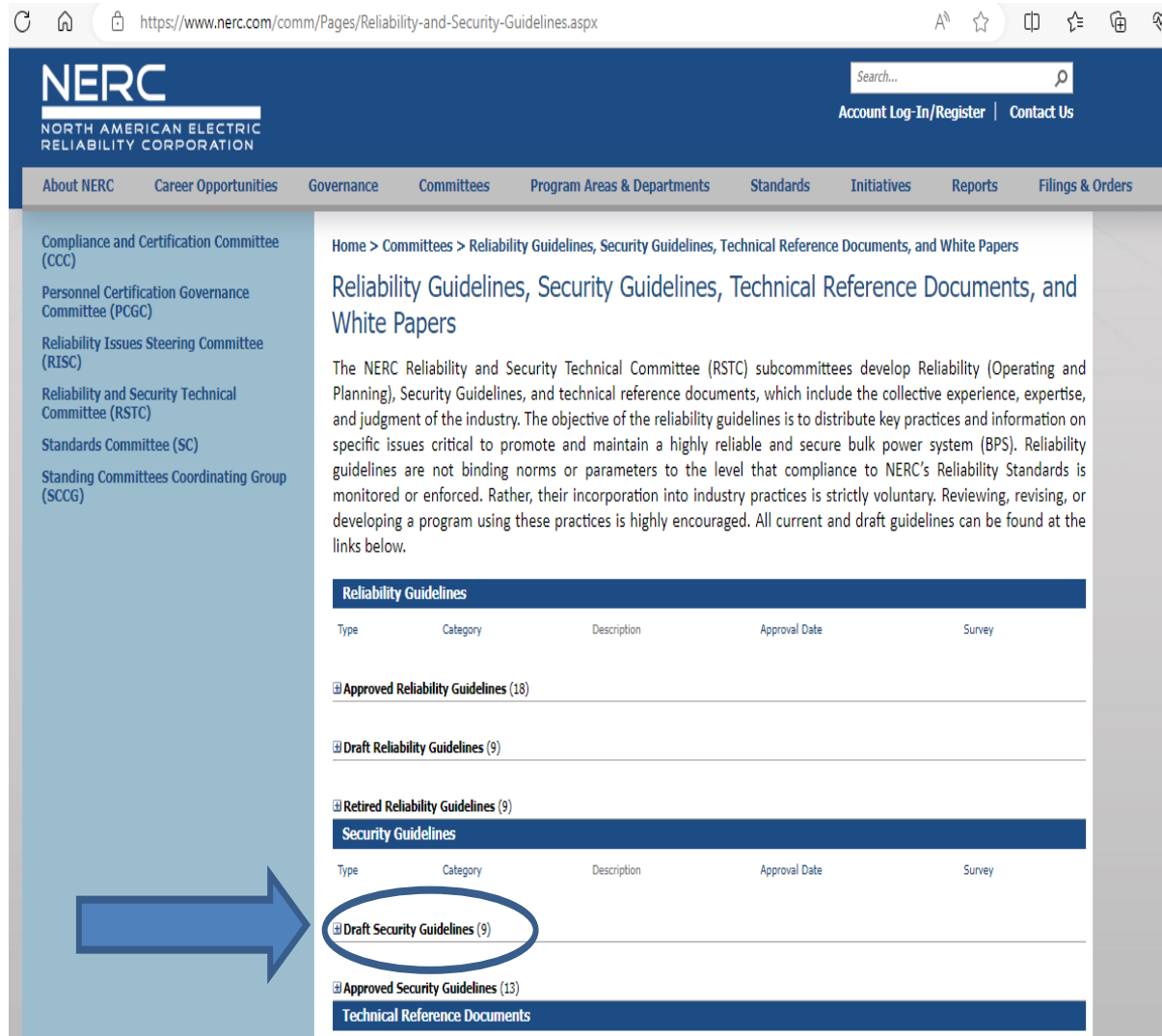
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# Reliability and Security Guidelines site

## Draft Security Guidelines



The screenshot shows the NERC (North American Electric Reliability Corporation) website. The header includes the NERC logo, a search bar, and links for Account Log-In/Register and Contact Us. The navigation menu lists various sections: About NERC, Career Opportunities, Governance, Committees, Program Areas & Departments, Standards, Initiatives, Reports, and Filings & Orders. The main content area is titled "Reliability Guidelines, Security Guidelines, Technical Reference Documents, and White Papers". It provides an overview of the NERC Reliability and Security Technical Committee (RSTC) subcommittees and their role in developing guidelines. Below this, there are three sections: Reliability Guidelines, Security Guidelines, and Technical Reference Documents. Each section has a table with columns for Type, Category, Description, Approval Date, and Survey. A large blue arrow points to the "Draft Security Guidelines (9)" link in the Security Guidelines section.

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Home > Committees > Reliability Guidelines, Security Guidelines, Technical Reference Documents, and White Papers

### Reliability Guidelines, Security Guidelines, Technical Reference Documents, and White Papers

The NERC Reliability and Security Technical Committee (RSTC) subcommittees develop Reliability (Operating and Planning), Security Guidelines, and technical reference documents, which include the collective experience, expertise, and judgment of the industry. The objective of the reliability guidelines is to distribute key practices and information on specific issues critical to promote and maintain a highly reliable and secure bulk power system (BPS). Reliability guidelines are not binding norms or parameters to the level that compliance to NERC's Reliability Standards is monitored or enforced. Rather, their incorporation into industry practices is strictly voluntary. Reviewing, revising, or developing a program using these practices is highly encouraged. All current and draft guidelines can be found at the links below.

#### Reliability Guidelines

| Type                                 | Category | Description | Approval Date | Survey |
|--------------------------------------|----------|-------------|---------------|--------|
| Approved Reliability Guidelines (18) |          |             |               |        |
| Draft Reliability Guidelines (9)     |          |             |               |        |
| Retired Reliability Guidelines (9)   |          |             |               |        |

#### Security Guidelines

| Type                              | Category | Description | Approval Date | Survey |
|-----------------------------------|----------|-------------|---------------|--------|
| Draft Security Guidelines (9)     |          |             |               |        |
| Approved Security Guidelines (13) |          |             |               |        |

#### Technical Reference Documents












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# Reliability and Security Guidelines site

## Draft Security Guidelines

| Security Guidelines   |              |  |               |   |
|---|--------------|--|---------------|---|
| Type  | Category     | Description  | Approval Date | Survey  |
| Draft Security Guidelines (9)   |              |  |               |   |
| SCWG (9)  |              |  |               |   |
|    | Supply Chain | Procurement Language - Clean                                       |               |   |
|    | Supply Chain | Procurement Language - Redline                                     |               |   |
|    | Supply Chain | Procurement Language Comment Matrix                                |               |   |
|    | Supply Chain | Product Security Reference Guide                                   |               |   |
|    | Supply Chain | Product Security Sourcing Guide                                    |               | <a href="https://www.surveymonkey.com/r/ProductSecuritySourcing">https://www.surveymonkey.com/r/ProductSecuritySourcing</a> |
|    | Supply Chain | Product Security Sourcing Guide and Reference Guide Comment Matrix |               |   |
|  | Supply Chain | Vendor Incident Response - Clean                                   |               |   |
|  | Supply Chain | Vendor Incident Response - Redline                                 |               |   |
|  | Supply Chain | Vendor Incident Response Comment Matrix                            |               |   |
| Approved Security Guidelines (13)   |              |  |               |   |
| Technical Reference Documents   |              |  |               |   |



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# Security Guideline Development

- **Security Guideline Development**
  - Supply Chain Risks Related to Cloud Service Providers
    - Team Lead: Matt Szyda, Manitoba Hydro
    - SCWG team is developing a new guideline that will complement the new SITES whitepaper on cloud computing
- **Whitepaper on NERC Reliability Standards Gap Assessment**
  - Assigned by RSTC
  - Review the current Supply Chain requirements to look for gaps
- **CIP-013-2 Supply Chain Risk Management SAR**
  - Included in the September NERC Standards Committee agenda package







## AGENDA

### **MRO Representative on NERC Subgroups – Written Reports**

#### **b. NERC Security Integration and Technology Enablement Subcommittee (SITES)**

***Alan Kloster, NERC SITES Representative***

### **Action**

Discussion

### **Report**

The NERC Security Innovation and Technology Enablement Subcommittee (SITES) submitted a whitepaper on BES Ops in the Cloud to the NERC RSTC for endorsement at their September meeting. Some RSTC members voiced concerns that their endorsement of the paper might seem to give legitimacy to two industry SARs that have been submitted to NERC regarding revision of CIP standards to allow use of the cloud because industry submitted SARs are not vetted by the RSTC and go straight to the Standards Committee. Some language was drafted to make it clear the RSTC was not endorsing those SARs and just the whitepaper, but it failed to get enough votes to pass. A draft revision of the whitepaper to include additional language was sent to the RSTC members the week of 10/2/2023 and it is likely the RSTC will hold an email vote soon to endorse it with the added language.

## AGENDA

### NERC Subgroups – Written Reports

- c. NERC Reliability & Security Technical Committee (RSTC) Update

*Marc Child, Great River Energy*

#### Action

Discussion

#### Report



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# **NERC Reliability & Security Technical Committee (RSTC) Update**

**Marc Child**  
**Great River Energy**

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# Disclaimer

**The Midwest Reliability Organization (MRO) Security Advisory Council (SAC)(or CMEPAC or RAC) is committed to providing training and non-binding guidance to industry stakeholders regarding existing and emerging security topics. Subject Matter Experts (SMEs) developed any materials, including presentations, through the MRO SAC from member organizations within the MRO Region and other government and industry security experts. The views in this presentation are presented by these MRO SAC SMEs, government, and industry experts, and do not express the opinions and views of MRO.**



# NERC RSTC Roster

**\*Chair – Rich Hydzyk (Avista)**

**\*Vice Chair – John Stephens (City of Springfield)**

**Secretary – Stephen Crutchfield**

**Exec Sponsor – Mark Lauby**

## Executive Committee

**Marc Child – Great River Energy**

**Robert Reinmuller – Hydro One**

**Christine Ericson – IL Commerce Commission**

**Todd Lucas – Southern Co**



## Sector Elected Members

|   |   |
|---|---|
| 1. Investor-owned utility   | Greg Stone (Duke Energy) – 2023-2025<br>Kayla Messamore (Evergy) – 2022-2024  |
| 2. State/municipal utility  | Saul Rojas (NYPA) – 2023-2025<br>Seat Converted to At-large – 2022-2024   |
| 3. Cooperative utility  | Marc Child* (Great River Energy) – 2023-2025<br>Gregory McAuley (Seminole Electric) – 2022-2024                                   |
| 4. Federal or provincial utility / Federal Power Marketing Administration | Edison Elizeh (Bonneville Power) – 2023-2025<br>Robert Reinmuller* (Hydro One) – 2022-2024  |
| 5. Transmission dependent utility   | Nicola Parrotta, Taunton Municipal Light Plant– 2023-2025<br>John Lemire, NCEMC – 2022-2024                                       |
| 6. Merchant electricity generator   | Mark Spencer (LS Power) 2023-2025<br>Truong Le** (CMS Energy) – 2022-2024   |
| 7. Electricity Marketer   | Seat converted to At-large – 2023-2025<br>Jodirah Green (ACES Power) – 2022-2024  |
| 8. Large end-use electricity customer                                     | Seat converted to At-large – 2023-2025<br>Venona Greaff (Occidental Chemical) – 2022-2024   |
| 9. Small end-use electricity customer                                     | Darryl Lawrence (PA Office of Consumer Advocate) – 2023-2025<br>Seat Converted to At-large – 2022-2024                            |
| 10. Independent system operator/<br>Regional transmission organization    | Eric Miller (MISO) – 2023-2025<br>Seat Converted to At-large – 2022-2024  |
| 12. State Government  | Christine Ericson* (Illinois Commerce Commission) – 2023-2025<br>Cezar Panait (Minnesota Public Utilities Commission) – 2022-2024 |

## At-large Members

|                        |  |
|------------------------|--|
| Ian Grant**            | Tennessee Valley Authority – 2023-2025 (converted sector 7 seat) |
| Marc-Antoine Roy       | Hydro Quebec – 2023-2025 (converted Sector 8 seat)               |
| William Allen**        | Exelon – 2023-2025   |
| Thomas Burns           | PacifiCorp – 2023-2025   |
| David Jacobson         | Manitoba Hydro – 2023-2025                                       |
| Srinivas Kapagantula** | Arevon Energy – 2023-2025  |
| Todd Lucas*            | Southern Company -2023-2025                                      |
| Brett Kruse            | Calpine – 2023-2024 (filled vacancy)                             |
| David Grubbs           | City of Garland, Texas – 2022-2024 (converted Sector 2)          |
| Wayne Guttormson**     | SaskPower – 2022-2024 (converted Sector 9)                       |
| Dede Subakti           | California ISO – 2022-2024 (converted Sector 10)                 |
| David Mulcahy          | Illuminate Power Analytics, LLC – 2022-2024                      |
| Peter Brandien         | ISO New England– 2022-2024                                       |
| Monica Jain            | SCE – 2022-2024  |
| Chad Thompson          | ERCOT - 2022-2024  |

# RSTC Security Priorities

- RSTC Work Plan Priorities

- Energy Assurance
- Inverter-based Resources
- Distributed Energy Resources
- Supply Chain Security

*Update: Work plan summit Oct 10-11 2023*

- SITES

- Work Plan item #4: Collaboration Whitepaper: Privacy & Security Risks of DER Aggregators

- SCWG

- Work Plan item #4: Provide input and feedback to NERC staff on Supply Chain security topics
- Work Plan item #7: Physical Security Risks pertinent to the supply chain

- SWG

- Work Plan item #7: Planning to Reduce Critical Facilities

- SITES (also included in DER Risk Priority)

- Work Plan item #4: Collaboration Whitepaper: Privacy & Security Risks of DER Aggregators



# Action Items - Security

- **Security Integration & Technology Enablement Subcmte (SITES)**

- Chair Brian Burnett, Sponsor Marc Child
- White Paper: Bulk Electric System Operations in the Cloud (BESOps)
  - What is the cloud?
  - Possible use cases
  - Shared security model, shared assurance model
  - Recommendations section: Cloud SAR, acceptance of third-party certifications, map CIP requirements to cloud standards, ERO endorsed implementation guidance
- Motion to Approve failed to pass (~10 approved, 10 voted no, 10 abstained)
  - Concern: Vendors will assume the list of use-cases equates to ERO endorsement of those technologies ("SCADA in the cloud")
  - Two (non-RSTC) SARs have already been written and mention this document as their technical basis.
  - "Tone" of the executive summary may lead some to believe that RSTC (and NERC) are telling entities they must prepare to move to the cloud



# Action Items - Security

- **Security Integration & Technology Enablement Subcmte (SITES) – cont'd**
  - White Paper: Privacy and Security Impacts of DER and DER Aggregators (joint paper with SPIDERWG/SITES)
    - Common security controls
    - DER and DER Aggregator landscape
    - BES impact test and meaning
    - Recommendations: Implement CIP style security controls, DER owner and DER aggregator joint responsibilities
  - Motion to Approve passed



# Action Items - Security

- **Supply Chain Working Group (SCWG)**
  - Chair Christopher Strain, Sponsor Christine Ericson
  - Approved for 45 day comment: Product Security Sourcing Guide (Security Guideline)
  - Approved for 45 day comment : Product Security Reference Guide (Spreadsheet)
- **Two additional papers out for comment**
  - Vendor Incident Response
  - Procurement Language
- **Note: As of 9/21 SCWG is currently soliciting for a new Chair– contact Tom Hofstetter ([Tom.Hofstetter@nerc.net](mailto:Tom.Hofstetter@nerc.net)) if interested**



# Progress Reports

- Security Working Group (SWG)

| Workplan Status (6 month look-ahead)       |        |              |
|--|--------|--------------|
| Milestone                                  | Status | Comments     |
| Planning to Reduce Critical Facilities     | ●      |              |
| Ongoing ERT comments                       | ●      |              |
| Comm. Protection systems Guideline         | ●      |              |
| Comprehensive Physical Security assessment | ●      |              |
| Cloud Encryption Guidance Document         | ●      | ERO Approval |

- Security Integration & Technology Enablement (SITES)

| Workplan Status (6-month look-ahead)           |        |                       |
|--|--------|-----------------------|
| Milestone                                      | Status | Comments              |
| BES Operations in the Cloud                    | ●      | Final draft completed |
| New Tech Enablement                            | ●      | Drafting Ongoing      |
| Privacy & Security for DER and DER Aggregators | ●      | Final draft completed |
| Next Work Plan Item Tentative                  | ●      | TBD                   |

- Supply Chain Working Group (SCWG)

| Workplan Status (6 month look-ahead)  |        |                          |
|---|--------|--------------------------|
| Milestone   | Status | Comments                 |
| Periodic Review of Supply Chain Security Guidelines   | ●      | Complete                 |
| Guidance documentation on supply chain risk management issues and topics (Procurement Sourcing guideline) | ●      | Ready for public comment |
| Gap assessment for supply chain security standards  | ●      | In progress              |
|   |        |                          |



# 2023 & 2024 schedules

| 2023 RSTC Meeting Calendar           |  |         |                               |
|--------------------------------------|--|---------|-------------------------------|
| Meeting Dates                        | Time   | Format  | Location                      |
| Work Plan Summit<br>October 10, 2023 | 8:30 a.m. – 4:30 p.m.<br>8:30 a.m. – 12:30 p.m.  | Hybrid  | Texas RE Office<br>Austin, TX |
| October 11, 2023                     |  |         |                               |
| December 6, 2023<br>December 7, 2023 | 11:00 a.m. – 4:30 p.m.<br>11:00 a.m. – 4:30 p.m. | Virtual | N/A                           |

| 2024 RSTC Meeting Calendar               |  |           |   |
|--|--|-----------|---|
| Meeting Dates<br>(Tentative)             | Time   | Format    | Location  |
| March 13, 2024<br>March 14, 2024         | 8:30 a.m. – 4:00 p.m.<br>8:30 a.m. – 12:30 p.m.  | In Person | San Diego, CA<br>Westin Gaslamp                 |
| June 12, 2024<br>June 13, 2024           | 8:30 a.m. – 4:00 p.m.<br>8:30 a.m. – 12:30 p.m.  | Hybrid    | TBD   |
| September 11, 2024<br>September 12, 2024 | 8:30 a.m. – 4:00 p.m.<br>8:30 a.m. – 12:30 p.m.  | Hybrid    | Montreal, Canada<br>Hydro Quebec<br>(tentative) |
| December 11, 2024<br>December 12, 2024   | 11:00 a.m. – 4:30 p.m.<br>11:00 a.m. – 4:30 p.m. | Virtual   | N/A   |





## AGENDA

### **SAC and SACTF Membership Survey** *Ian Anderson, Security Advisory Council Chair*

#### **Action**

Information

#### **Report**

Chair Anderson will lead this discussion during the meeting.

## AGENDA

### **Mentorship within the SAC** *Ian Anderson, Security Advisory Council Chair*

#### **Action**

Information

#### **Report**

Chair Anderson will lead this discussion during the meeting.

## AGENDA

### SACTF Work Plan Update

- a. Review Action Items
- b. Draft 2024 Work Plan

*Brett Lawler, Security Advisory Council Threat Forum Chair*

### Action

Discussion

### Report

SACTF Chair Lawler will lead this discussion during the meeting.

## AGENDA

### SAC Work Plan Update

- a. Review Action Items
- b. Draft 2024 Work Plan

*Ian Anderson, Security Advisory Council Chair*

### Action

Discussion

### Report

Chair Anderson will lead this discussion during the meeting.

## AGENDA

**2024 Security Conference (October 1-2, 2024) and GridSecCon: October 2024**  
*Steen Fjalstad, Director of Security, MRO*

### Action

Discussion

### Report

Steen Fjalstad will lead the discussion during the meeting.

## AGENDA

### 2024 Calendar and Meeting Dates *Steen Fjalstad, Director of Security, MRO*

#### Action

Discussion

#### Report

Steen Fjalstad will lead the discussion during the meeting.

## AGENDA

### Action Item Review

*Margaret Eastman, Security Administrator, MRO*

#### Action

Discussion

#### Report

Margaret Eastman will lead this discussion during the meeting.

## AGENDA

**Other Business and Adjourn**  
*Ian Anderson, Security Advisory Council Chair*

### **Action**

Discussion

### **Report**

Chair Anderson will lead this discussion during the meeting.