Agenda
Technology and Security Committee Meeting

May 11, 2022 | 10:00-11:00 a.m. Eastern
In-Person Meeting

Ritz-Carlton Pentagon City
1250 Hayes St.
Arlington, VA 22202

Introduction and Chair's Remarks

NERC Antitrust Compliance Guidelines*

Topics

1. **Minutes* – Approve**

   a. February 9, 2022 Open Meeting

2. **E-ISAC Operations Update* —Update**

3. **ERO Enterprise Align Project* — Update**

4. **Other Matters and Adjournment**

*Background materials included.

DRAFT Minutes
Technology and Security Committee Meeting

February 9, 2022 | 2:00-3:00 p.m. Eastern
Virtual Meeting

Call to Order

Ms. Suzanne Keenan, Chair, called to order a duly noticed open meeting of the Technology and Security Committee (the Committee) of the Board of Trustees (Board) of the North American Electric Reliability Corporation (NERC) on February 9, 2022 at approximately 2:00 p.m. Eastern, and a quorum was declared present.

Present at the meeting were:

Committee Members	Board Members
Suzanne Keenan, Chair	Robert G. Clarke
Jane Allen	George S. Hawkins
Robin E. Manning	Jim Piro
Susan Kelly	Roy Thilly
Kenneth W. DeFontes, *ex officio*	Colleen Sidford
	James B. Robb, NERC President and Chief Executive Officer

NERC Staff

Andy Sharp, Vice President and Chief Financial Officer

Howard Gugel, Vice President, Engineering and Standards

Janet Sena, Senior Vice President, External Affairs

Kelly Hanson, Senior Vice President and Chief Administrative Officer

Kristin Miller, Director, Internal Audit

LaCreacia Smith, Senior PMO Manager, Information Technology

Manny Cancel, Senior Vice President and Chief Executive Officer of the E-ISAC

Mark Lauby, Senior Vice President and Chief Engineer

Mechelle Thomas, Vice President, Compliance

Shamai Elstein, Associate General Counsel

Sônia Mendonça, Senior Vice President, General Counsel, and Corporate Secretary

Stan Hoptroff, Vice President, Business Technology

Tina Buzzard, Assistant Corporate Secretary

NERC Antitrust Compliance Guidelines

Ms. Buzzard directed the participants' attention to the NERC Antitrust Compliance Guidelines included in the agenda, and indicated that all questions regarding antitrust compliance or related matters should be directed to Ms. Mendonça.

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Introduction and Chair's Remarks

Ms. Keenan welcomed everyone to the meeting, noting this was her last meeting as chair. She noted the progress across the ERO Enterprise and at the E-ISAC and emphasized the level of unity across industry on security matters, pointing to the Member Executive Committee's (MEC) engagement with the E-ISAC as an example. She also commented on the relentless pace of the cyber environment and the resulting need to address burnout among IT personnel, shift resources, and delay projects. Ms. Keenan also discussed the Align tool, noting that the NERC team has worked diligently to address various issues as the tool is rolled out.

Minutes

Upon motion duly made and seconded, the November 3, 2021 meeting minutes were approved as presented at the meeting.

E-ISAC Operations

Mr. Cancel presented on E-ISAC operations, focusing on, among other things, MEC member outreach, the threat landscape, Operational Technology Visibility and Joint Cyber Defense Collaborative (JCDC) support, and Grid Ex VI.

ERO Enterprise Align Project

Mr. Hoptroff and Ms. Smith presented on the status of the Align project, including the functionality and status of Releases 3 and 4, lessons learned, adoption of Align in the Canadian provinces, and challenges facing the project.

ERO Enterprise Business Technology Projects

Mr. Hoptroff provided an update on current and future (1) program area technology projects, including the E-ISAC portal migration; CORES; SAFNR; generation, transmission and event management tracking enhancements; and Reliability Assessment Data System, (2) shared service technologies, including DC office buildout support, integrated human resources and finance and accounting systems, and internal audit and risk management systems; and (3) business technologies, including mobile device management, identity access management, privileged access management, and data loss prevention.
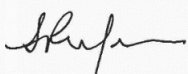
Committee Mandate

Mr. Elstein noted that Board Committee mandates are reviewed annually during the February open meetings. He noted that the Committee last modified its mandate in February 2021 to include provisions that recognizes the TSC's role and stated that NERC management is not recommending any changes to the mandate at this time. None of the Committee members identified a need to change the mandate.

Adjournment

There being no further business, the meeting was adjourned.

Submitted by,

Sônia Mendonça
Corporate Secretary

Electricity Information Sharing and Analysis Center (E-ISAC) Operations

Action
Update

Background
Management will provide the Technology and Security Committee an update regarding E-ISAC operations. The update will include a discussion of the threat landscape, collaboration with government agencies, Operational Technology (OT) visibility activities, and the GridEx VI After-Action Review and Report, among other items.

Threat Landscape – Management will discuss E-ISAC's tracking of (1) current geopolitical tensions and the potential for cyberattacks on U.S. critical infrastructure, (2) other potential threats to the electric sector and (3) collaboration with government agencies.

OT Visibility Activities – Management will discuss E-ISAC's activities related to OT threat visibility and the Cybersecurity Risk Information Sharing Program.

GridEx VI –Management will discuss the GridEx VI Recommendations Review and the *GridEx VI Lessons Learned Report*. The Recommendations Review reconvened participants from the November 2021 GridEx VI Executive Tabletop to confirm alignment with and seek sponsorship of the recommendations in the TLP: WHITE Gridded VI Lessons Learned Report. The report, released on April 7, 2022, includes policy recommendations focused on communications, collaboration, and coordination, among other topics, as being key to industry's success during a severe security event. Recommendations included:

- Continue to build effective communications procedures and systems to share operational and security information.

- Clarify the differing crisis communications roles of the Electricity Subsector Coordinating Council and Reliability Coordinators with government and their members, including its Canadian members.

- Continue to enhance routine and emergency operations coordination between the electricity industry and natural gas providers.

- Strengthen operational coordination between the electricity industry and communications providers.

- Continue to reinforce government relationships between United States and Canada to support industry response.

ERO Enterprise Align Project

Action
Update

Background
Management will provide an update on the status of the Align Project. The Align tool, together with the ERO Secure Evidence Locker (ERO SEL), provides the ERO Enterprise with a secure, effective, and harmonized platform with which to execute its Compliance Monitoring and Enforcement Program (CMEP) responsibilities. These new tools allow the retirement of existing legacy systems in use at NERC and the Regional Entities, and substantially increase the security of registered entity data and ERO Enterprise work products. Further, it enables better oversight of Regional Entity processes, improves the quality and security of reporting, and provides substantial registered entity convenience with the integration to the Align tool (but not to the ERO SEL) of the Centralized Organization Registration ERO System registry and the Reliability Standards repository.

Management will provide an update on Release 4 and Release 4.5, which will introduce new functionalities to the platform. Release 4 will enhance the functionalities related to audits and scheduling, and introduce new functionalities related to complaints. Release 4.5 will include Inherent Risk Assessments, and Compliance Oversight Plans. Release 4 is currently in the development and testing phase. Release 4.5 is currently being developed. Management will also provide an update on Canadian adoption of Align, with expected implementation in Manitoba and Saskatchewan in Q3 2022 and in Alberta, British Columbia and Nova Scotia in Q4 2022.