

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

ERO 2020 Work Plan Priorities

Board Approved: February 6, 2020

RELIABILITY | RESILIENCE | SECURITY



1. Expand Risk-Based Focus in Standards, Compliance Monitoring, and Enforcement
2. Assess and Catalyze Steps to Mitigate Known and Emerging Risks to Reliability and Security
3. Build a Strong E-ISAC-Based Security Capability
4. Strengthen Engagement across the Reliability and Security Ecosystem in North America
5. Capture Effectiveness, Efficiency, and Continuous Improvement Opportunities

2020 Key Objectives	
1.	<p>Implement strategy for fuel assurance standards (including cold weather)</p> <ul style="list-style-type: none"> • For Bulk Power System Operations: <ul style="list-style-type: none"> ▪ Complete the development and submit to FERC a Board approved standard focused on resource availability in the operational timeframe • For Bulk Power System Planning: <ul style="list-style-type: none"> ▪ Fuel Assurance Guideline approved ▪ Identify tools needed for planners to include fuel scenarios, and work with industry to develop them ▪ Identify design basis scenarios for use in the planning horizon ▪ Begin enhancement of NERC’s Transmission Planning (TPL) Standards to include fuel scenarios for normal and extreme events (2021-2022)
2.	<p>Complete the recommendations in the Supply Chain report;</p> <ul style="list-style-type: none"> • Implement the supply chain recommendations, continue to assess their effectiveness and sufficiency, and determine any further actions, if any, needed based on the seriousness and nature of risks identified • Work with industry and the NATF to develop consistency and certainty in vendor audits
3.	<p>Consistently embed internal control activities within the compliance monitoring program</p>

2020 Key Objectives	
1.	<p>For each of the following, identify performance trends and develop lessons learned, recommendations, and/or implement mitigations:</p> <ul style="list-style-type: none"> • Protection system misoperations • Reduced situational awareness from loss of Energy Management Systems • Unacceptable inverter performance • Increased amounts of distributed energy resources • Reduce potential for the BES initiating wildfires • Develop RSTC approved work plan to implement EMP Task Force recommendations
2.	<p>Implement two lessons learned and best practice from Grid EX V including improved use and collaboration with SAFNRv3:</p> <ul style="list-style-type: none"> • Two communication drills between EISAC Watch floor and BPSA • Four drills on developed use cases
3.	<p>Grid Transformation: Identify and assess the following emerging factors impacting BPS reliability and make recommendations for their mitigation:</p> <ul style="list-style-type: none"> • Assess energy adequacy in the 2020 Long Term Reliability Assessment • Technical assessment on energy storage technologies, applications, & projections • Develop position paper on the ERO's role to ensure BPS reliability with increased distributed energy resources lower than BES thresholds • Develop data requirements and metrics for quantifying BPS resilience and recovery • Improve models, identify simulation needs, and provide guidance to address reliability considerations from DER penetration • Begin addressing cybersecurity risks in the planning and operational time horizon

2020 Key Objectives	
1.	<p>Strategy:</p> <ul style="list-style-type: none"> • Complete Strategic Plan refresh with support of MEC • Complete development of performance management process driven by agreed metrics
2.	<p>Information Sharing:</p> <ul style="list-style-type: none"> • Increase overall information sharing by partners and industry through targeted outreach • Expand CRISP participation and capture the DOE “+ 30” opportunity • Improve coordination and connectivity to Intelligence Community, especially DOE/CESER, DHS/CISA, and DOD/NSA • Effectively activate existing MOU-based relationships (MS ISAC, DNG ISAC, IESO pilot) • Expand Watch Operations to 24x7
3.	<p>Analysis:</p> <ul style="list-style-type: none"> • Increase member shared joint analytical products developed with partners • Increase member shared content enriched by E-ISAC analysis • Unclassified Threat Workshop survey results (relevant, unique, timely, actionable content) • Implement long term data platform and demonstrate value-add
4.	<p>Engagement:</p> <ul style="list-style-type: none"> • Continue to expand participation in Industry Engagement Program • Institutionalize Canadian engagement effort and ensure value add across international border • Implement and realize value from new CRM system • Continue to grow GridSecCon and evaluate outsourcing potential for low value added work

2020 Key Objectives

1. Expand outreach/coordinated ERO Enterprise communications with stakeholder/policy organizations
 - Enhance existing and establish new relationships with key industry associations and stakeholder organizations
 - Develop a coordinated approach for NERC’s and Regional Entities’ outreach to FERC
 - Leverage Regional Entities for engagement with state entities and organizations
 - Expand coordinated outreach to Canada related to MOUs as well as regulatory authorities
 - Gain support for recommendations in NERC’s reliability assessments
2. Work with ERO Enterprise Communications Group (EROCG) to refine and further develop the *ERO Enterprise Strategic Communication Plan*, to:
 - Enhance sharing platforms and vehicles for ERO Enterprise projects
 - Amplify initiatives and messages through expanded use of social media
 - Support the ERO EC pledge to develop and share harmonized messaging across the ERO Enterprise
3. Plan, resource, and execute joint meeting and conferences where possible
 - Joint Regional Entity supported Human Performance conference with NATF
 - Resiliency Summit with NATF and EPRI
 - Storage and Frequency Response with NAGF
 - Regional Entity focused Supply Chain and Facility Rating conferences and best practices with NATF
4. Support corollary activities within industry and trades, e.g. U.S. DOE’s North American Energy Resilience Model (NAERM), IEEE Standard 2800

2020 Key Objectives	
1.	<p>Complete the “Big 3”</p> <ul style="list-style-type: none"> • Roll-out Align Release 1.0, supported by stakeholder outreach and education, end-use training, and business unit readiness activities • Complete the CIP and Phase II of the O&P Standards Efficiency Reviews • Successful implementation of the Reliability and Security Technical Committee (RSTC)
2.	<p>ERO Enterprise Biennial Effectiveness Survey</p> <ul style="list-style-type: none"> • Implement plans addressing key 2018 findings • Rethink the biennial survey working with the CCC
3.	<p>NERC</p> <ul style="list-style-type: none"> • Finish 2020 at or below budget and maintain at least \$3MM in operating reserves
4.	<p>Regional Entities</p> <ul style="list-style-type: none"> • With Regional Entity and stakeholder feedback, continue evaluation of compliance monitoring and enforcement processes for efficiency • Implement opportunities to centralize and/or standardize processes
5.	<p>ERO Enterprise</p> <ul style="list-style-type: none"> • Transformation achieves process alignment and shared resources



Questions and Answers