

**NERC**

NORTH AMERICAN ELECTRIC  
RELIABILITY CORPORATION

# NERC SMWG-NASPI Joint Task Force on Role-Based Synchrophasor Training

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NASPI Working Group Meeting

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RELIABILITY | RESILIENCE | SECURITY

### Vision Statement

To empower all critical utility stakeholders with tailored, role-based synchrophasor knowledge that drives effective integration, utilization, and business value realization of synchrophasor technology across the North American electric power industry.

### Mission Statement

To develop and deliver comprehensive, role-specific training modules on synchrophasor technology that:

- Recognize and address the needs of all stakeholders within the utility ecosystem.
- Promote widespread adoption, collaboration, and innovation.
- Foster operational excellence, compliance, and organizational resilience.

### Stakeholders addressed will include (but are not limited to):

- |                                      |                                |
|--------------------------------------|--------------------------------|
| – Executive Leadership               | – IT & Cybersecurity           |
| – Transmission Planning & Operations | – R&D                          |
| – Protection & Control               | – Compliance                   |
| – Distribution Operations            | – Maintenance & Field Services |

Phase	Milestones	Timeline
Phase 1: Kickoff & Planning	Finalize TF membership, designate project manager, initial planning meeting	May- June 2025
Phase 2: Stakeholder Needs Analysis	Survey, interviews, gap assessment, validation of audience groups	June- July 2025
Phase 3: Curriculum Design	Define learning objectives, content outlines, module structure by role	June- September 2025
Phase 4: Content Development	Draft and review role-based modules, quizzes, case studies	August -December 2025
Phase 5: Pilot & Feedback	Run pilots for select stakeholder groups, collect feedback	November 2025- January 2026
Phase 6: Finalize & Publish	Incorporate feedback, finalize materials, launch certification pathways	March 2026

- Initial Prioritization of Activities
  - Designate Project Manager – Critical for coordination and task tracking.
  - Develop Stakeholder Engagement Plan – Ensure representation across roles.
  - Draft Training Framework – General modules + customizable role-based modules.
  - Inventory Existing Resources – Leverage NASPI/NERC materials where applicable.
  - Develop Survey for Stakeholder Needs – Identify specific pain points, current gaps.

***Review and Gather Feedback on Developed Syllabi***

***See handouts***

*Each module will be structured into:*

- 3-5 sessions
- Session length: 1-1.5 hours
- Each session will comprise content and quiz exercises

Module	Status	Next Steps
Executive Leadership	Iterating on curriculum	
Transmission Planning	Curriculum ready for feedback	Content Creation
Transmission Operations	Curriculum ready for feedback	Content Creation
Protection & Control	Iterating on curriculum	Additional volunteers would be helpful
Distribution Operations	Recruiting <b>Lead</b> /Volunteers	
IT & Cybersecurity	Iterating on curriculum	Recruiting volunteers
R&D	Curriculum ready for feedback	Content Creation
Compliance	Recruiting <b>Lead</b> /Volunteers	
Maintenance & Field Services	Recruiting <b>Lead</b> /Volunteers	
Customer Support	Iterating on curriculum	Recruiting volunteers

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A map of North America, including the United States, Canada, and Mexico. A horizontal band of varying shades of blue and grey crosses the center of the map, passing through the United States. The text "Questions and Answers" is overlaid on this band.

# Questions and Answers