NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

Implementation Plan and Mapping Document

COM-002-3 Communication and Coordination

Requested Approval

The RC SDT requests the approval of COM-002-3 – Communication and Coordination and one new NERC Glossary term.

Requested Retirement

The RC SDT request the retirement of standard COM-002-2a – Communication and Coordination, Requirements R1 and R2, and the associated sub-requirements.

Prerequisite Approvals

None.

Defined Terms in the NERC Glossary

The RC SDT proposes the following new definition:

Reliability Directive: A communication initiated by a Reliability Coordinator, Transmission Operator or Balancing Authority where action by the recipient is necessary to address an Emergency or Adverse Reliability Impact.

Conforming Changes to Requirements in Already Approved Standards

None.

Revision Summary to Approved Standards and Definitions

The RC SDT contends that COM-002-2, R1 and its sub-requirements are low level facilitating requirements that are more appropriately and inherently monitored under various higher-level performance-based reliability requirements for each entity throughout the body of standards. These include standards within the COM, IRO, and TOP body of standards and are specifically identified in the mapping table below. The RC SDT has revised R2, which have become the proposed R1, R2, and R3 in COM-002-3.

Applicable Entities

- Reliability Coordinator
- Balancing Authority
- Transmission Operator
- Generator Operator
- Distribution Provider

Effective Date

The first day of the second calendar quarter beyond the date that this standard is approved by applicable regulatory authorities, or in those jurisdictions where regulatory approval is not required, the standard becomes effective on the first day of the first calendar quarter beyond the date this standard is approved by the NERC Board of Trustees, or as otherwise made effective pursuant to the laws applicable to such ERO governmental authorities.

New or Revised Standard

COM-002-3	In those jurisdictions where regulatory approval is required, this standard shall become effective on the first day of the second calendar quarter after applicable regulatory approval. In those jurisdictions where no regulatory approval is required, this standard shall become effective on the first day of the first calendar quarter after Board of Trustees adoption.

Standard for Retirement

COM-002-2	Midnight of the day immediately prior to the Effective Date of COM-002-3 in the particular Jurisdiction in which the new standard is becoming effective. Note: Requirement R4 will remain effective until its inclusion in the standard COM-003-1 currently under development.

Implementation Plan for Definition

Reliability Directive: Entities shall use this definition when implementing the standard COM-002-3, which uses this defined term.

Revisions or Retirements to Already Approved Standards

The following tables identify the sections of the approved standard that shall be retired or revised when this standard becomes effective. If the drafting team is recommending the retirement or revision of a requirement, that text is blue.

Already Approved Standard	Proposed Replacement Requirement(s)
COM-002-2 **R1.** Each Transmission Operator, Balancing Authority, and Generator Operator shall have communications (voice and data links) with appropriate Reliability Coordinators, Balancing Authorities, and Transmission Operators. Such communications shall be staffed and available for addressing a real-time emergency condition. *[Violation Risk Factor: High]* **R1.1** Each Balancing Authority and Transmission Operator shall notify its Reliability Coordinator, and all other potentially affected Balancing Authorities and Transmission Operators through predetermined communication paths of any condition that could threaten the reliability of its area or when firm load shedding is anticipated. *[Violation Risk Factor: High]*	The RC SDT proposes retiring COM-002-1, R1 and R1.1. The communications requirements of R1 are addressed in existing COM-001-1.1 as well as the proposed COM-001-2 requirements. Additionally, IRO-010-1a addresses data provisions. The RC SDT contends that COM-002-1, R1.1 is a low level facilitating requirement that is more appropriately and inherently monitored under various higher level performance-based reliability requirements for each entity throughout the body of standards. Examples include: • EOP-002-1, R3 – outlines BA to RC communications.IRO-001-1, R3 requires adequate telecommunication for the Reliability Coordinator to direct actions of multiple entities, including TOPs and BAs. • TOP-001-1, R3 requires adequate telecommunications facilities for the TOP, BA, and GOP to be able to receive directives from the RC. • TOP-001-1, R5 requires communications between TOPs and RCs for emergency situations. • TOP-005-1, R1 and R3 require adequate telecommunications for BAs and TOPs to provide each other with operating data as well as providing data to the

Already Approved Standard	Proposed Replacement Requirement(s)
	RC. • TOP-006-1, R1 requires adequate telecommunications for the GOP to inform the BA and TOP of resources. The BA and TOP will then inform the RC, other TOP and BAs of all transmission and generation available for use. • PER-001-1, R1 and PER-004-1, R1 set forth the staffing requirements.
Notes: The RC SDT contends that COM-002-2, R1 and its sub-requirements are low level facilitating requirements that are more appropriately and inherently monitored under various higher-level performance-based reliability requirements for each entity throughout the body of standards. These include standards within the COM, IRO, and TOP body of standards and are specifically identified in the mapping table below.	
COM-002-2 **R2.** Each Reliability Coordinator, Transmission Operator, and Balancing Authority shall issue directives in a clear, concise, and definitive manner; shall ensure the recipient of the directive repeats the information back correctly; and shall acknowledge the response as correct or repeat the original statement to resolve any misunderstandings. *[Violation Risk Factor: Medium]*	**COM-002-3** **R1.** When a Reliability Coordinator, Transmission Operator or Balancing Authority requires actions to be executed as a Reliability Directive, the Reliability Coordinator, Transmission Operator or Balancing Authority shall identify the action as a Reliability Directive to the recipient. *[Violation Risk Factor: High][Time Horizon: Real-Time]* **R2.** Each Balancing Authority, Transmission Operator, Generator Operator, and Distribution Provider that is the recipient of a Reliability Directive, shall repeat, restate, rephrase or recapitulate the Reliability Directive. *[Violation Risk Factor: High][Time Horizon: Real-Time]* **R3.** Each Reliability Coordinator, Transmission Operator, and

Already Approved Standard	Proposed Replacement Requirement(s)
	Balancing Authority that issues a Reliability Directive shall either: *[Violation Risk Factor: High] [Time Horizon: Real-Time]* • Confirm that the response from the recipient of the Reliability Directive (in accordance with Requirement R2) was accurate, or • Reissue the Reliability Directive to resolve any misunderstandings.
Notes: The RC SDT expanded the list of responsible entities to include the DP and GOP and subdivided the requirement to improve clarity.	

Functions that Must Comply with the Requirements in the Standard

Standard	Functions that Must Comply With the Requirements							
	Reliability Coordinator	Balancing Authority	Purchasing Selling Entity	Transmission Operator	Transmission Service Provider	Distribution Provider	Generator Operator	Load Serving Entity
COM-002-3	X	X		X		X	X	