NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

# Transmission Issues Subcommittee (TIS) Scope

## Purpose

Promote the reliability of the bulk electric transmission systems in North America, and provide a forum to address the planning, security, and adequacy of those transmission systems.

## Activities

1. Provide a forum to address the planning, security, and adequacy of the transmission systems in North America.
2. Promote enhanced coordination in system planning studies from intra- and interregional perspectives through the development of technical reference documents and other means.
3. Monitor interconnection-wide (i.e., ERAG, ERCOT, and WECC) steady-state and dynamic system model basecase development, testing dynamic data and models, recommending improvements to models, and developing metrics for modeling quality.
4. Develop and recommend data requirements, system modeling techniques, and system analysis programs and methodologies for analyzing system transient and voltage stability (all time frames) and preventing or limiting, through system protection and control schemes, the extent of system instability, cascading outages, and voltage collapse.
5. Investigate and evaluate new methods, procedures, analytical programs, and tools for analyzing the reliability of the bulk electric systems.
6. Develop and review procedures and processes for consistency and coordination in determining bulk electric system transfer capabilities.
7. Develop training and educational materials for use by others on issues related to the reliability of the transmission system.
8. Assist other NERC-assigned groups in maintaining the Functional Model upon which reliability standards are based, and maintain the transmission chapter of the Reliability Concepts Document.
9. Advise the Planning Committee on support of the Critical Infrastructure Protection Program on matters related to the physical security of the bulk electric systems.
10. Assist the NERC Event Analysis Program in evaluating system disturbances and events, and identify opportunities for improvement from a planning perspective.
11. Identify, analyze, and report on long-term issues that may impact the reliability of the transmission systems.
12. Assist NERC in addressing transmission technical issues with regulators, legislators, government agencies, public interest groups, industry associations, and others.
13. Coordinate on transmission technical issues as necessary among industry participants and including, but not limited to: IEEE, CIGRÉ independent system operators (ISOs) and regional transmission organizations (RTOs), the North American Energy Standards Board (NAESB), and the Transmission Owners and Operators Forum.

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14. Advise the Planning Committee on support of the Standards Program on transmission-related issues related to the development and improvement of the NERC Standards.
15. Promote training of new planning engineers in the art and science of transmission system planning.

## Membership

The TIS will follow the organizational structure and voting rights of the Planning Committee.
A NERC staff member will be assigned as the non-voting Subcommittee Coordinator.

## Meetings

Four to six open meetings per year, or as needed.

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*Approved by the NERC Planning Committee: June 10, 2009*