



PACIFIC NORTHWEST

SECURITY COORDINATOR

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"COST-EFFECTIVE OVERSIGHT FOR STABLE, SECURE GRID OPERATIONS"

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All Registered Entities in PNSC's Reliability Area

SUBJECT: Compliance with NERC Standards – Communication of Information and Directives Between PNSC and Registered Entities in the PNSC Reliability Area

PURPOSE: To establish the requirements of each Registered Entity in PNSC's reliability area to provide data and information, and to identify the channels through which this information and any Reliability Coordinator directives will be conveyed.

REFERENCES: IRO-004-1, TOP-001-1, TOP-005-1, et al

Recently adopted NERC standards detail obligations of the various parties to provide information and services essential to the maintenance of a secure and stable transmission network and to issue or receive Reliability Coordinator (RC) directives.

While much of the language is new, the actual needs described are not.

For the past few years, most entities in PNSC's reliability area have provided all information requested of them by PNSC.

The below listed entities have provided this information directly (the other operating entities have communicated with PNSC through them):

Alberta Electric System Operator
Avista
Bonneville Power Administration
British Columbia Transmission Corporation
Chelan County Public Utility District
Douglas County Public Utility District
Grant County Public Utility District
Idaho Power Company
NorthWestern Energy
PacifiCorp

Portland General Electric
Puget Sound Energy
Seattle City Light
Sierra Pacific Power Company
Tacoma Power
Western Area Power Administration – Upper Great Plains

PNSC will continue to communicate through the listed entities.

It is not possible for PNSC to establish operational communications channels with the 180 plus entities in our reliability area, nor would it be an effective way to manage real-time reliability.

In the unlikely event that PNSC would need to issue a directive to an entity other than those listed above, it would be conveyed through the listed entity in whose service area it resides.

Most of the information which PNSC currently receives is provided by posting on WECC's EHV Data pool or by direct submittal through ICCP links. Some data is received by email through the listed entities.

Types of information include, but are not limited to the following:

Transmission Data

- Status
- MW loading
- MVAR loading
- MVA capability
- Transformer tap and phase angle settings
- Voltage

Generator Data

- Status
- MW and MVAR capability
- MW and MVAR net output
- Status of automatic voltage control facilities
- Status of Power System Stabilizers

Operating Reserve Information (Reported to PNSC Through the NWPP PRRS Program)

Interchange Information (Reported to PNSC Through the Western Interchange Tool)

Area Control Error and Frequency

Miscellaneous Data

- Real-time path limits (IROLs and SOLs) in effect.
- Forecast of operating reserve at peak, and time of peak for current day and next day
- Forecast peak demand for current day and next day.
- Forecast changes in equipment status.
- Notification of new facilities being put into service
- Status of special protection systems.

- Emergency operating procedures in effect
- Notification of natural or man-made events affecting the transmission system

Three types of data warrant specific comment: Remedial Action Schemes (RAS), Power System Stabilizers (PSS) and Automatic Voltage Regulators (AVR) are required to be in service at all times and are considered to be in service unless specifically reported as out of service.

Status of PSS and AVR must be reported through the listed entity. The listed entity may email reports to the PNSC 24 hour Reliability Coordinator. RAS reports should be made telephonically.

Compliance (with respect to Reliability Coordinator operations):

IRO-004-1 has no measures for entities other than Reliability Coordinators. Performance in accordance with this letter should be sufficient documentation for all operating entities in PNSC's reliability area.

TOP-001-1 M3 requires evidence that TOPs, BAs and GOPs complied with an RC directive or informed PNSC that they could not.

TOP-001-1 M5 requires evidence that TOPs informed PNSC of anticipated emergency conditions.

TOP-001-1 M7 requires evidence that TOPs inform PNSC when they remove certain facilities from service if that act would burden neighbors.

TOP-005-1 M1 requires evidence that BAs and TOPs provide information as required by PNSC.

Again, information provided to PNSC should be conveyed through the listed entities.

Thanks in advance for your assistance. If you have questions, please call me at (360) 418-2956.

Sincerely,

D. J. (Jack) Bernhardsen
President