



## Relay Work Group

10/20/21

Randy Spacek, Chair  
Dean Bender, Vice Chair

# Relay Work Group (RWG)

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- Committee Purpose
  - The purpose of the RWG is to provide technical support to EPAS and other work groups in the areas of system protection and Remedial Action Schemes (RAS) relating to the operation of the Western Interconnection.
- Items for Approval and Discussion:
  - Transformer Protection for Sudden Pressure Relays
  - Communications Systems Performance Guide for Electric Protection Systems
  - System Operation Investigation Analysis Workflow

# Recent and Upcoming Activities

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- MIDAS quarterly submittal review for the WECC Region
- 2020 Misoperation Report
- Continue RWG document review and update
- Participation on EPAS, RASRS, MIDASWG, SPCS, SCMWG
- OC work plan tasked RWG to evaluate impacts of resource mix on Protection Systems settings and fault duties. Presently following NERC and IEEE.

# Document Discussion

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- Transformer Protection for Sudden Pressure Relays
  - Identified various relay types, problems with applications and recommendation
- Communications Systems Performance Guide for Electric Protection Systems
  - Worked with TELWG to identify new communication system types implemented in the Western Interconnect and reference to PRC-012.\
- System Operation Investigation Analysis Workflow
  - New document developed from WECC Misoperation Workshop to aid entities with finding root cause of misoperations.



**WECC**

Electric Reliability and Security for the West

## Contact:

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# Human Performance Work Group

10/19/21

Rodney Krause, Chair  
Mel Ayala, Vice Chair

# Human Performance Work Group (HPWG)

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- Committee Purpose
  - The purpose of the HPWG is to provide common vocabularies, tools, techniques, and training materials to assist Bulk Power System (BPS) operations and field personnel in the promotion and sustainability of human performance practices in the Western Interconnection
- Items for Approval and Discussion:
  - None

# Recent and Upcoming Activities

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- Human Performance  
Knowledge Transfer Task Force  
Paper – Work ongoing



# Document Discussion

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- Transformer Protection for Sudden Pressure Relays
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- System Operation Investigation Analysis Workflow
  - New document developed from WECC Misoperation Workshop to aid entities with finding root cause of misoperations.



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## Contact:

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# Generator Operator Work Group

10/19/2021

Glen Farmer, Chair  
Tom Fishback, Vice Chair

# Generator Operator Work Group (GOWG)

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- GOWG Purpose
  - Supports generation operations within the Western Interconnection related to generator operation as it impacts the reliability of the Bulk Electric System
- Items for Approval and Discussion:
  - EPAS will be voting by October 26<sup>th</sup> to approve revised Charter

# Recent and Upcoming Activities

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- Updated Charter and getting it approved.
- Reviewing Cold Weather Preparedness Guidelines and upcoming requirements.
- Review BAL-003.
- Prepare Summer Weather Guidelines.
- Update Member List.

# Three-Year Work Plan Status

Title	Reliability Risk Priority	Status	Target Date
Review Cold Weather Preparedness Guidelines.	1: Extreme Natural Events		12/31/2021
Cold Weather Preparedness, NERC Requirements Implementation.	1: Extreme Natural Events		12/31/2022
Summer weather guidelines.	1: Extreme Natural Events		12/31/2023



Proceeding



Ongoing



Attention



Assistance



Complete



## Contact:

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# Event And Performance Analysis Subcommittee - EPAS

10/19/2021

Greg Park, NWPP - Chair  
Alan Wahlstrom, SPP –Vice  
Chair



# EPAS

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- EPAS Purpose
  - Analyze events and Western Interconnection-wide performance and disseminate lessons learned to mitigate re-occurrence of similar events.
- Items for Approval and Discussion:
  - None

# Recent and Upcoming Activities

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- Held Open door meeting on August 27<sup>th</sup>, 2021
- Provide guidance to the WECC Advisory Group on the December 13<sup>th</sup> 2020 Open Loop Event
- Vote to Approve GOWG Charter will occur on October 26<sup>th</sup> Via Email;

# Three-Year Work Plan Status

Title	Reliability Risk Priority	Status	Target Date
Changing Resource and load mix (RWG Assigned)	2: Changing Resource Mix		Ongoing
Extreme Natural Events (See GOWG status)	4: Extreme Natural Events		Ongoing
Review and Approve Workgroup Documents as needed	Committee Specific Priority		Ongoing

 Proceeding
  Ongoing
  Attention
  Assistance
  Complete



## Contact:

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