Regional Operations Training Scope

Request:
OTWG requests Operations Training for SPP Members. Request includes development and delivery of core curriculum including the following:

1. Emergency Ops Training consisting of:
   a. Regional simulator with all members participating using instability scenarios across SPP
   b. TLR, EEA, Other Extreme Conditions, Reserve Sharing System (RSS), SPP procedures

2. Systems Training consisting of:
   a. Voltage control, system stability regionally oriented
   b. Regional simulator with all members participating using instability scenarios across SPP
   c. RSS
   d. SPP Procedures (Congestion Management, Outage Approval)
   e. SPP structure, groups, and operations areas
   f. Regional scenarios
   g. Interconnected power system operations, energy shortages
   h. Core curriculum (training that applies to all system operators)
   i. IROLs - system operator response, SPP Reliability Coordinator response

3. Blackstart Drills
SPP Initial Response:
Based on the request, SPP would need to dedicate 2 FTE resources to meet this request. One FTE to coordinate the EOPS and Systems Training and a second FTE to coordinate the blackstart drills. SPP could provide these training courses to members in the following way:

- **Emergency Ops Training**
  - EOPS training consists of simulated operations events, using EMS displays, designed to challenge and tax the operator's ability to maintain situational awareness and remain organized in finding and implementing solutions to the simulated emergency. Several scenarios are created for variances in complexity, ranging from simple quick fixes, to the longer more complex solutions. Evaluations of the operator during and after the simulations are used to highlight strengths as well as weaknesses in the process of solving for the emergency.
    - The courses would be scenario-based
    - 3.5 days of training (via classroom or virtual)
    - Workbook exercises to follow classroom/virtual training
    - Lab/ simulation training
    - Participants must complete all three components in order to receive NERC Credit

- **Systems Training**
  - System Training will cover topics not included under the title of Emergency Ops Training, but would again be based upon scenarios that will be seen by operators on a more regular basis, as well as expose areas of operator capability that may require additional training. Topics such as Reserve Sharing, NERC Standards, and good practices for bulk system operations would be examples of System Training topics.
    - The courses would be scenario-based
    - 3.5 days of training (via classroom or virtual)
    - Workbook exercises to follow classroom/virtual training
    - Lab/ simulation training
    - Participants must complete all three components in order to receive NERC Credit

- **Blackstart Drills**
  - Blackstart drills will emphasize system recovery during simulated blackouts ranging from outage pocket(s), to larger interconnect-wide outages. Principles of restoration will be discussed, but the drills will focus on outage recovery and the communications required for inter- and intra-regional coordination.
    - Offered twice a year
    - 4 days per session (2 for instruction and 2 for simulator)
# Tentative Schedule

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