



Summary of American Electric Power Transmission Supplemental Safety Terms and Conditions

The following represents a summary of the information contained in American Electric Power's (AEP) Transmission Supplemental Safety Terms and Conditions. This document is prepared to help potential demonstrators understand the requirements for performing work at the ESMO show on AEP property.

The following information is not all inclusive and shall not supersede any existing contractual relationships. Additionally, upon successful execution of a contract document, including the ESMO 2016 Demonstrator Agreement, the American Electric Power Transmission Supplemental Safety Terms and Conditions (in whole) shall be applicable. Further, qualifying to perform a demonstration at the ESMO show does not also qualify the applicant to be on the AEP Transmission Approved Contractors list for on-going work on the AEP system. Normal application and vetting procedures will apply for any subsequent consideration of candidacy for the AEP Transmission Approved Contractors list.

Vendors shall comply with the following requirements:

- Adhere to all applicable local, state, and federal regulations.
- Adhere to all written Safety Directives issued by AEP Transmission, including:
 - Anti Two-Block (Cranes) Device – Any crane used on AEP Transmission property must be equipped with an Anti Two-Block device.
 - Project Specific Safety and Environmental Plans – Complete a PSSEP for all work.
 - Submit the PSSEP to AEP Transmission for review and comment.
 - Review the PSSEP with employees prior to beginning work on site.
 - Modify the PSSEP as job conditions warrant and communicate those changes to their personnel and the AEP Project Team.
 - Arc Flash Clothing – Qualified electrical workers shall wear appropriate arc flash clothing while working on or near exposed, energized part(s) of transmission and sub-transmission lines and any station equipment.
 - Arc flash clothing shall, at a minimum, meet an arc rating of 8 cal/cm².
 - The arc flash boundary is defined as being within fifteen (15) feet of any exposed, energized part being worked or three feet six inches (3'6") while inside a control house.
 - AEP employees, contractors, and/or vendors not working on exposed, energized part(s) are not required to meet this arc flash clothing requirement provided they remain outside the arc flash boundary.
- All persons who enter the site shall have completed the AEP Transmission Contractor Safety Orientation.

- Owner or Owner's Representative shall have the authority to immediately stop Contractor's Work indefinitely for operations, which in the opinion of Owner, constitute a safety concern.
- Have qualified and competent supervision at the Site at all times to direct and observe the Work.
- When working for AEP Transmission, once the scene is secure, report all events immediately to the AEP Transmission Representative.
- Conduct a THA review with all persons who enter the work zone. This review shall include a scope of Work and any hazards present at the site.
- Wear at a minimum the following personal protective equipment (PPE) while in any construction area:
 - Hardhat
 - Safety Glasses or Prescription Safety Glasses with Side Shields that meet the specifications of ANSI Z87
 - Approved hearing protection devices in designated areas
 - The outermost layer of clothing on the upper body must be High Visibility and Reflective
 - Work gloves appropriate for the potential hazards of the job tasks. Note: Jersey gloves are not permitted to be worn as the only means of protection.
 - Protective toe footwear that meet the safety-toe specifications of ASTM F2413-05 with a compression rating of C75 (i.e. safety toe shoes)
 - Employees that climb structures shall wear a shoe with a defined heel.
 - 100% Fall Protection when climbing on wooden structures.
- Employees not OSHA station entry qualified shall be under direct supervision of a qualified supervisor.
- All substation gates shall remain closed and locked at all times unless under direct observation by an attendant.
- Upon entry/exit of a substation, notify the appropriate Dispatch Authority.
- Firearms, alcohol, illegal drugs (marijuana, cocaine, etc...) or drugs taken for non-medicinal purposes are prohibited on all Owner controlled sites.
- Be appropriately trained, qualified, and competent to perform assigned tasks and associated Work.
- Site Supervision shall have successfully completed the OSHA 30-Hour for Construction Training.
- Employees who are performing Work on AEP Transmission Work sites shall have successfully completed the OSHA 10-Hour for Construction Training.
- A minimum of two currently trained persons in First Aid and CPR shall be present for each crew.
- Incur all costs associated with the training of their employees.

- Owner may deny access to its Work Sites any individual who fails to comply with the safety provisions set forth in the applicable General Terms and Conditions or these Supplemental Safety Terms and Conditions or who, in Owner's sole judgment, otherwise demonstrates a lack of safety performance.
- Have an emergency communication and an emergency response plan that has been communicated and understood. The plan shall include at a minimum:
 - Emergency Contacts
 - Location and Name of Local Emergency Services
 - On-site communication methods
 - Location and directions (including maps) to the nearest medical facility
 - Procedure to follow in the event of an emergency
- At a minimum, provide one English speaking employee for each non English speaking crew up to 10 crewmembers.
- Submit a chemical inventory prior to mobilizing onto an AEP Transmission Work Site and keep Material Safety Data Sheets (MSDS) on file.
- Housekeeping - All trash shall be kept in proper containers and disposed of properly.
- GFCI – All extension cords and electric hand tools shall be plugged into a GFCI provided by the contractor and shall not rely on the receptacles in AEP circuits.
- Guard Structures – All hotline crossings and all road crossings shall be protected by the use of a guard structure. Guard structures (including line equipment used as guard structures) shall be installed prior to disconnecting the conductor and shall remain in place until the conductor is clipped in.
- Testing of Grounds – All grounds shall be tested in accordance with ASTM F2249 – 03 Standard Specification for In-Service Test Methods for Temporary Grounding Jumper Assemblies Used on De-Energized Electrical Power Lines and Equipment.
- Wire Skinning – All employees shall use tools specifically designed for wire skinning.
- Traffic Control – All operations involving roadways shall comply with the Manual of Uniform Traffic Control Devices and/or local requirements.