

**Memorandum of Understanding
Between
Bonneville Power Administration
&
International Brotherhood of Electrical Workers (IBEW), Local 125**

The objective of this memorandum of understanding (MOU) is to clarify the roles and jurisdictional boundaries of various crafts engaged in wiring, installation, and maintenance of communications equipment in substations and communications facilities, and recognize that technology, tools, equipment, work practices, and the skills of PSC Craftsman have evolved over time. The lack of clear guidelines regarding work that may be performed by craftsman has resulted in unnecessary confusion and conflicts among the crafts. The table below identifies work that may be performed by electrician or craftsman without prior craft coordination, except as identified in the table below. This document does not eliminate the need for communication or diminish the importance of cooperation and coordination among the crafts since a majority of the conflict over the years is attributable to poor communication.

This MOU supersedes the MOU dated July 25, 2005.

Maintenance Responsibility

Construction and Maintenance Electricians are responsible for installing and removing control, protection, and communication racks and connecting or disconnecting power supplies.

Power System Control (PSC) is responsible for the inspection, calibration, maintenance, testing, repair, and replacement, as needed, to assure proper operation of all communications, supervisory control and data acquisition (SCADA) equipment, including pre-energization testing to ensure proper performance of communication and SCADA equipment. These duties are performed with direction and oversight by District Engineers.

In certain circumstances, PSC can perform work with the prior knowledge of the Electrician Foreman I/II/III, as described in the table below. If a specific task is not identified in the table below, which falls within the jurisdiction of the electrician craft, coordination and prior knowledge of the Electrician Foreman is required.

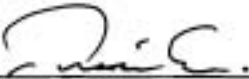
Task Description	Electrician	Craftsman	*Craftsman after Coordination
Mounting and removal of PSC equipment (replacement or new installation in existing racks/panels)	X	X	
Mounting or removal of racks in substations or communication sites	X		
Intra-rack installation or rack-to-rack of RF, data, audio, or telephone cable		X	
a) Cabling that involves running cable through non-radio room racks (i.e., relay/meter/control panels)	X		X
b) Cabling that involves tower or pole structures (Electrician/Lineman crew)	X		
Craftsman may install multi-conductor cables (e.g., generally 12 or more pair, vary in size from 20-24 awg) that run to control equipment (e.g. SCADA control or alarm cables) if operational needs require immediate installation (i.e., emergency and craftsman is on-site.) Craftsman is required to communicate work completed to Electrician Foreman. Permanent installation under non-emergency conditions requires appropriate craft coordination.	X		X
<ul style="list-style-type: none"> Lay down of wires in pre-existing cables (e.g. addition of new alarm point on SCADA, telephone system changes, individual circuit and channel jumpering, etc.). 	X	X	
Communication batteries			
a. Routine maintenance, including load and impedance testing.		X	
b. Installation/repair	X		X
Wiring of AC and/or DC panels.	X		
<ul style="list-style-type: none"> DC wiring from load side of filter fuse panels (both intra-rack or to adjacent rack) 	X	X	
<ul style="list-style-type: none"> Connection to <u>load-side</u> of rack-mounted breakers 			X
Pulling of single or multi-conductor cables through existing conduit	X		X

Task Description	Electrician	Craftsman	*Craftsman after Coordination
<p>Microwave Engine Generators/Auxiliary Control Equipment Maintenance (<i>Maintenance of engine and accessories are performed by HMEM</i>)**</p> <p>a. Troubleshooting, repair, maintenance, and performance of control equipment, including control mechanism (electronics, boards, etc.) of transfer switch. (<i>Note: PSC may work on other parts of transfer switch with prior coordination with Electrician Foreman</i>)</p> <p>b. Maintenance and repair of transfer switch (control mechanism, actuator, switch, motor, etc.), circuit breakers, and power connectors between generator and the communications equipment.</p>		X	
	X		X

*Craftsman coordination is defined as the District Engineer or representative (i.e., District Craftsman) and the Electrician Foreman (I/II/III) discussing the work to be completed and making a determination on the craft to complete the work, recognizing the need to work efficiently, effectively, and safely.

**Responsibility for engine generator maintenance is a shared by PSC, electrician, and HMEM crafts. Guidelines apply to PSC and Electrician craft responsibilities.

Agreed to this 28th day of July 2008:


 Travis Eri
 Business Manager
 IBEW Local 125


 David J. Hart
 Labor Relations Officer
 Bonneville Power Administration