

Washington State **HVACR** Association, Incorporated

July 5, 2007

Secretary Ron Fuller  
Department of Labor and Industries  
Electrical Board  
P.O. Box 44460  
Olympia, WA 98504-4460

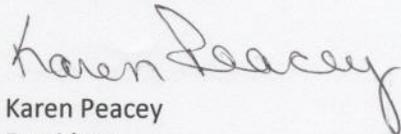
Secretary Ron Fuller:

Following is a detailed discussion draft for a new HVAC/R electrical specialty as requested by the Policy Advisory Committee of the state Electrical Board at its June 21, 2007 meeting. The purpose of this draft is to provide more specifics to the Committee and interested stakeholders in order to discuss the issues it contains. The WSHVACRA is open to discussing revisions and is eager to engage in a dialogue with the Committee and interested stakeholders as the Committee discussed at its last meeting.

You will note that this detailed draft does NOT include original installation of line-voltage conductors based on comments from the members of the Committee. This specialty will be allowed to do all of the same work as an 06, 06A and 07 electrician on HVAC/R systems and equipment only.

We look forward to the opportunity to discuss this draft with the Committee and interested stakeholders at the next meeting of the Committee on July 25<sup>th</sup>.

Sincerely,



Karen Peacey  
President  
Washington State HVACR Association

( ) HVAC/refrigeration (**new specialty**):

(A) This specialty is not limited by voltage, phase, or amperage.

(B) No unsupervised electrical trainee can install, repair, replace, or maintain any part of a HVAC/refrigeration system that contains any circuit rated over 600 volts whether the circuit is energized or de-energized.

(C) This specialty may:

- Install HVAC/refrigeration: Telecommunications, Class 2 low-voltage control circuit wiring/components;
- Install, repair, replace, and maintain, line voltage components of an HVAC/refrigeration system, including associated conductors (except for original installation) and components within HVAC/refrigeration equipment primarily used for HVAC/refrigeration. Such line voltage components include product illumination luminaires installed within and powered from the HVAC/refrigeration system (e.g., reach-in beverage coolers, frozen food cases, produce cases, etc.) and new or replaced factory authorized accessories such as internally mounted outlets, as well as power outlets installed on a circuit primarily used to power an HVAC/refrigeration system and where the outlet is primarily used to power equipment used for testing, repairing or maintaining the HVAC/refrigeration system;
- Repair, replace, and maintain, the components, including associated conductors, of the HVAC/refrigeration equipment disconnecting means or controller so long as the disconnecting does not extend further toward the power source than the first over-current protection device in the circuit supply panelboard;
- Install, repair, replace, and maintain raceway to provide physical protection for low-voltage cables.
- Repair, replace, and maintain, integrated building control systems including associated conductors, that also control HVAC/refrigeration systems;
- Repair, replace, and maintain, line voltage flexible supply whips , provided there are no modifications to the characteristics of the branch circuit/feeder load being supplied by the whip. There is no limitation on the whip raceway method (e.g., metallic replaced by nonmetallic);
- Repair, replace, and maintain HVAC/refrigeration: Telecommunications, Class 2 low-voltage control circuit wiring/components in all occupancies regardless of the number of stories on/above grade; and
- Install a bonding conductor for metal gas piping to an existing accessible grounding electrode conductor or grounding electrode only when terminations can be made external to electrical panelboards, switchboards, or other distribution equipment.

(D) This specialty may not install, repair, replace, or maintain: Any electrical wiring governed under article(s) 500, 501, 502, 503, 504, 505, 510, 511, 513, 514, 515, or 516 NEC (i.e., classified locations) located outside the HVAC/refrigeration equipment.