

## STATE BUILDING CODE INTERPRETATION NO. I-09-11

May 31, 2011

The following is being offered in response to your April 19, 2011 e-mail correspondence in which you seek a formal interpretation. This question would apply to the 1999 National Electrical Code portion of the 1999 State Building Code. In efforts to address the scenario, the following rephrased question has been provided.

Question:

Does the 1999 National Electrical Code allow the grounded conductor (Neutral) to be connected to metallic enclosure of a transfer switch for a separately derived system on the load side of a main service disconnect?

Answer:

1999 National Electrical Code states in part:

**Section 250-24 Grounding Service-Supplied Alternating-Current Systems**

**(a) System Grounding Connections**

*A premise wiring system that is supplied by an ac service that is grounded shall have at each service a grounding electrode conductor connected to the grounding electrode(s). The grounding electrode conductor shall be connected to the grounded service conductor in accordance with the following:*

**(5) Load-Side Grounding Connections**

*A grounding connection shall not be made to any grounded circuit conductor on the load side of the service disconnecting means.*

**Conclusion:** A scenario that has a separately derived ac system that is grounded shall not have the grounded conductor be connected to normally non-current-carrying metal parts of equipment, to equipment grounding conductors, or be reconnected to ground on the load side of the point of grounding of a separately derived system.