

DOCKETED

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occupied standby functional testing

see attached

Additional submitted attachment is included below.

To: CEC
From: Jeff Stein
Subject: Comments on NA7
Date: February 5, 2018

1. Please revise proposed NA7.5.17.2 as follows:

NA7.5.17.2 Functional Testing

Step 1: Put the zone in occupied mode (i.e., adjust the occupancy schedule)

Step 2: Physically occupy the space and confirm that the occupancy sensor detects the presence of an occupant in the zone.

Step 3: Adjust the thermostat so that the system is within the deadband.

Step 4: Confirm that the zone is supplied with minimum ventilation.

Step 5: ~~Adjust the setpoint to initiate heating or cooling.~~ Adjust setpoint outside of occupied heating/cooling deadband but inside the occupied standby deadband. Confirm zone is in heating or cooling mode.

Step 6: ~~Confirm that the zone is vacated~~ Physically vacate the zone.

Step 7: Confirm that within 5 minutes of being vacated the setpoint is setup or setback and the zone is within the occupied standby deadband.

Step 8: Confirm that no ventilation is being supplied to the space with the occupancy sensor.

~~Step 9: Occupy the space with the occupant sensor and confirm the system provides ventilation.~~

Step 10: Restore the system to normal operation.

Rationale:

Step 2: we only want to detect a person in the space if there really is a person in the space. This is needed to confirm the sensor is working correctly.

Step 5: If you adjust the setpoint too far then it will not go into unoccupied standby.

Step 6: We only want the system to recognize the zone as vacant if it is in fact vacant.

Step 7: This is needed to clarify that the space will not be within the occupied deadband, only within the occupied standby deadband.

Step 9 can be deleted as this has already been confirmed in Step 4.



Comments on NA7
Taylor Engineering
February 8, 2018
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