

**CenterPoint Energy Technical Overview of HAN**  
**June 30, 2009 - Webinar**  
**Questions and Answers**

**1. Is the HAN device not functional until after the next 8hr meter read?**

The HAN device becomes functional at the time it joins with the AMS ESI/meter. A confirmation message is generated by the ESI and stored in the meter's event log and is retrieved during normal meter data gathering. As a part of our periodic read collection, we will retrieve and interpret HAN event log information for indication a device has provisioned to our meter. If we find a successful provisioning or that the meter has received the provisioning details and is waiting on the intended HAN device signal to complete the provisioning process, we'll update the portal screen for device allocations accordingly. The interim portal screen providing HAN device status is updated from a "ready" (waiting on the device to provision) state to "provisioned" (completed the meter and device join process). During the interval between actual device and meter join and updating the HAN device status screen, the status screen will only reflect a "ready" status. Since we are only pulling HAN provisioning information every 8 hours, the portal screen information will always be behind the actual device and meter provisioning status. For example, the customer will always see a pending provisioning notice well after the device is actually provisioned. The device will provide a real time indication it is communicating with a meter.

**2. Who will be allowed to push the de-provisioning button?**

During CenterPoint Energy's interim portal period only the REP of record may de-provision HAN devices. After we implement the HAN support portion of the Texas Common Portal, authorized 3<sup>rd</sup> parties, customers and the REP of record may de-provision devices. CenterPoint Energy retains the right to de-provision misbehaving devices without advance notice.

**3. Will de-provision access be granted at the device type level?**

Device level support will not become available until after implementing HAN support in the Texas Common Portal and after the market has gained sufficient experience with HAN operations to revisit market requirements.

**4. How quickly will the AMS system be updated with market transactions (i.e. move-ins, move-outs) and if I'm sending messages to all Reliant customers – how soon will that record keeping be up date?**

During the initial interim portal period you can expect a delay of up to 2 days before having HAN access to a new move-in account. Work to shorten this interval is still in progress.

**5. What path did CNP take on common web portal vs. Texas Common Web Portal?**

We agree with a common language interface.

**6. Is there a process being followed with respect to interfaces?**

CNP's API is built based on the Smart Energy v1.0 specification. Texas Common Web Portal is planning to do a similar API. CNP's work for our interim portal is being evaluated as to what will be used in the common portal. Texas Common Web Portal 's will be based on Smart Energy v1.0 profile , the API is meant to encapsulate the differences between the OpenWay environment and other head-end environments that other TDSPS are using.

Common Information Model does not support HAN today.

**7. Will CenterPoint Energy continue to host the Interim Portal/Interim HAN functionality after the Texas Common Portal goes live?**

Once the Texas Common Portal goes live with HAN functionality (projected May 31, 2010), the interim HAN functionality will be removed from CNP's CRIP portal and the REPs will interface with a web service at the Texas Common Portal level.