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Sent: 2/3/2014 3:21:25 PM

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Subject: HAN questions

Hi Kimberly,

I had a few questions regarding the SEP 1.x HAN as implemented in the smart meter. I'm looking at the ZigBee SEP 1.1 spec. My understanding is that the meter HAN implements an Energy Service Interface (described in section 6.3.1 of the SEP 1.1 spec) and also a Metering Device (section 6.3.2) of the spec. Can you confirm that?

Looking at Section 6.3.1 it appears that the ESI is required to support the Messaging, Price, Demand Response/Load Control and Time clusters. Does the SSN HAN implementation fully support those clusters? Specifically, does it fully support the Demand Response and Load control cluster (Annex D.2)? Similarly, the Metering Device is required to support the Metering cluster. Same question, is the Metering cluster (Annex D.3) fully supported?

I presume that the configuration that is implemented in the SSN HAN would be represented in Figure D.11 of Annex D.3.1 "ESI Model with Integrated Metering Device."

On the AMI side, does the GE meter support the C12.22 gateway application to communicate the C12.19 Load Control Tables to the HAN? If not, how has SSN implemented the communication of load control signals from the AMI side to the HAN?

As I'm writing this, I'm wondering if it might be a good idea to set up a time for a demo where I could see how the SSN system is set up to issue direct load control signals down to HAN

devices. Would that be possible? I guess this would be the SSN UIQ system? I'm sure there are others here that would be interested in a demo.

Thanks,

Dave

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