Clarification Request

References: ANSI/ASHRAE Standard 135-2020, Checklist 23.3 Final

Date of BTL-WG Response: <u>August 22, 2024</u>

Background: Supports receiving a DeviceCommunicationControl service request with a finite duration

Problem:

The device in question lacks an internal clock, which means it cannot handle requests with a with a finite duration.

The standard "K.5.6 BIBB, DM-DCC-B" states:
" Support for requests of a limited duration is required, and support for requests of an indefinite duration is optional."

However, section "16.1.1.3.1 Error Type" specifies:
"The device does not have a clock and the 'Time Duration' parameter is not set to 'indefinite.'"

Additionally, checklist 23.3 Final states:
"Support for finite duration is required if the device has an internal clock."

vice Management - Device Communication Control - B

R	Base Requirements	
C[1]	Supports receiving a DeviceCommunicationControl service request with a password	
C[1]	Supports receiving a DeviceCommunicationControl service request with no password	
C[2,3]	Supports receiving a DeviceCommunicationControl service request with a finite duration	
C[3]	Supports receiving a DeviceCommunicationControl service request with an indefinite duration	
O	Supports DM-RD-B	
C[4]	Supports receiving a DeviceCommunicationControl service request specifying DISABLE INITIATION.	

[1] At least one of these options is required in order to claim conformance to this BIBB.
[2] This option is required if the device supports an internal clock.
[3] At least one of these options is required in order to claim conformance to this BIBB.
[4] Required if device implements protocol revision 4 or higher.

vice Management - Reinitialize Device - A

R	Base Requirements
R	Supports sending a ReinitializeDevice service request with an arbitrary password
O	Supports sending a ReinitializeDevice service request with no password

There seems to be a contradiction between the BIBB section and the conditions mentioned in the other section and checklist. Which should we follow as the reference?

Question:

Does the device need to support finite duration and have an internal clock, or is it acceptable if it only supports indefinite duration because it doesn't have an internal clock?

Response:

The device is required to follow the DM-DCC-B BIBB and support the DeviceCommunicationControl Service with finite time duration.