

**INTERPRETATION IC 135-2020-36 OF
ANSI/ASHRAE STANDARD 135-2020 BACnet® -
A Data Communication Protocol for Building
Automation and Control Networks**

Approval Date: June 22, 2024

Request from: Michael Osborne, BTB Consulting, 408 - 9864 Fourth St, Sidney, BC, V8L 2Z4.

Reference: This request for interpretation refers to ANSI/ASHRAE Standard 135-2020, Addendum *cc* and pertains to BIBB NM-CC-A and the requirement to read and write files referenced in the Network Port object.

Background:

K.6.Y1 BIBB – Network Management-Communications Configuration-A (NM-CC-A)

The A device is able to present and configure the properties of the Network Port object of device B.

Devices claiming conformance to NM-CC-A shall support initiating ReinitializeDevice requests containing the Password parameter and are required to support the ACTIVATE_CHANGES and WARMSTART service choices.

The A device shall be capable of using ReadProperty to retrieve all standard properties of the Network Port object type except any property defined by the standard as not readable via ReadProperty. Device A may use alternate services where support for execution of the alternate service is supported by Device B.

The A Device shall be capable of using WriteProperty to modify all standard properties of the Network port object type except any property defined by the standard as read-only, or to which access is otherwise restricted by the standard.

The A device shall use AtomicReadFile and AtomicWriteFile services to retrieve and modify the file data in all File objects referenced by standard properties in the Network Port object.

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K.6.Y2 BIBB – Network Management-Secure Connect Certificate Management-A (NM-SCCM-A)

The A device manages the certificates of a BACnet/SC network using all of the procedures described in 19.Y

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Presently, the only file objects referenced in a Network Port object are for BACnet/SC certificates.

Devices that claim NM-SCCM-A are required to read, write and manage BACnet/SC certificates.

Adding the requirement to read and write files referenced by a Network Port object to NM-CC-A has no benefit without also supporting the management of the files.

Interpretation: Devices claiming NM-CC-A should not be required to support AtomicReadFile and AtomicWriteFile services to read and write to file objects referenced in a Network Port object.

Question: Is this Interpretation correct?

Answer: No.