INTERPRETATION IC 135-2020-11 OF
ANSI/ASHRAE STANDARD 135-2020 BACnet® -
A Data Communication Protocol for Building
Automation and Control Networks

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Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 135-2020, Clauses 13.19 and 21.2.3 regarding size of the "operations" BACnetAuditOperationFlags bitstring in the service.

Background: The service request AuditOperationQuery contains an optional field operations which has type bitstring. For this bitstring 16 bits are currently defined by ASHRAE. Another 16 bits are reserved by ASHRAE. Yet another 32 bits can be used by "others". What seems unclear in the standard is how many bits are required and allowed to be used in a AuditOperationQuery request from a client, which number of bits a server is required to accept and how a server should treat missing bits.

Interpretation No.1: A server is required to accept a bitstring for operations in any size between 16 and 64. Bits that are not provided should be considered as FALSE.

Question No.1: Is this Interpretation correct?

Answer No.1: No, the size of this bitstring is 64 bits.

Interpretation No.2: A client is required to send at least 16 bits and no more than 64 bits for the operations bitstring**.**

Question No.2: Is this Interpretation correct?

Answer No.2: No, the size of this bitstring is 64 bits.