BSR/ASHRAE Addendum ca to ANSI/ASHRAE Standard 135-2020

Public Review Draft

Proposed Addendum ca to Standard 135-2020, BACnet® - A Data Communication Protocol for Building Automation and Control Networks

Third Public Review (July 2021)
(Draft shows Proposed Changes to PPR2)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHARE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

©2021 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 180 Technology Parkway, Peachtree Corners, GA 30092. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

ASHRAE, 180 Technology Parkway, Peachtree Corners GA 30092
[This foreword and the “rationales” on the following pages are not part of this standard. They are merely informative and do not contain requirements necessary for conformance to the standard.]

FOREWORD

The purpose of this addendum is to present a proposed change for public review. These modifications are the result of change proposals made pursuant to the ASHRAE continuous maintenance procedures and of deliberations within Standing Standard Project Committee 135. The proposed changes are summarized below.

135-2020ca-1. Introduce the Concept of Color for BACnet, p. 3 (no change in this section)
135-2020ca-2. Add new Color object type, p. 4 (no change in this section)
135-2020ca-3. Add new Color Temperature object type, p. 11 (no change in this section)
135-2020ca-4. Add color-reference properties to LO and BLO object types, p. 19 (no change in this section)
135-2020ca-5. Add high/low trim to LO object type, p.23 (no change in this section)
135-2020ca-6. Aggregated changes to Clause 21 and 25, p. 26 (no change in this section)
135-2020ca-7. BIBB Changes to Support Additional Object Types, p. 29

In the following document, language to be added to existing clauses of ANSI/ASHRAE 135-2020 and Addenda is indicated through the use of italics, while deletions are indicated by strikethrough. Where entirely new subclauses are proposed to be added, plain type is used throughout. Only this new and deleted text is open to comment at this time. All other material in this document is provided for context only and is not open for public review comment except as it relates to the proposed changes.

The use of placeholders like X, Y, Z, X1, X2, N, NN, x, n, ?, etc., should not be interpreted as literal values of the final published version. These placeholders will be assigned actual numbers/letters only after final publication approval of the addendum.
135-2020ca-7. BIBB Changes to Support Additional Object Types

[Change K.1.16]
K.1.16 BIBB - Data Sharing-Advanced View-A (DS-AV-A)

Table K-3. Presentation Requirements by Datatype

<table>
<thead>
<tr>
<th>Datatype</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIT STRING</td>
<td>Present the complete range of standard values defined for all standard bit string types for the Protocol_Revision claimed by the A device. (Note that in Protocol_Revision X, BACnetObjectTypesSupported exceeded the historical minimum display requirement of 64 bits.) For properties where the length of the bit string is not directly defined by the standard (such as the Present_Value of the BitString Value object), present bit strings up to a length of 64 bits. Present bit strings up to a length of 64 bits. Present the complete range of standard values defined for all standard bit string types for the Protocol_Revision claimed by the A device. The actual presentation of the values is unrestricted (text, numeric, iconic, etc.) as long as the individual values are distinguishable.</td>
</tr>
</tbody>
</table>

...
HISTORY OF REVISIONS

|   |   | Addendum ca to ANSI/ASHRAE Standard 135-2020
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>X</td>
<td>Approved by ASHRAE on MONTH DAY, 20XX; and by the American National Standards Institute on MONTH DAY, 20XX.</td>
</tr>
</tbody>
</table>

1. Add new Color object type. 
2. Add new Color Temperature object type. 
3. Add color-reference properties to LO and BLO object types. 
4. Add high/low trim to LO object type. 
5. BIBB Changes to Support Additional Object Types.