

**BACnet Errata**  
**ANSI/ASHRAE Addendum cf to STANDARD 135-2020**  
**A Data Communication Protocol for Building Automation and Control Networks**

February 2, 2026

This document lists all known *errata* to ANSI/ASHRAE Standard 135-2020 cf as of the above date. Each entry is cited first by clause, then page number, except where an erratum covers more than one clause.

Changes to fix the errata are highlighted in gray. In these areas, text that is to be removed from the addendum is shown in ~~double-strikeout~~, and text that is to be added is shown with double underlines. This notation allows changes to the addendum to be indicated while preserving the traditional meaning of *italics* and ~~single-strikeout~~ to indicate changes to the standard.

...

3) section 2 should have been deleted

...

135-2020cf-1 Formal Definition of the 'data\_attributes' Parameter, p.3.

~~135-2020cf-2 Redefinition of 'Must Understand' for data options, p.4.~~

135-2020cf-3 Changes to segmentation to enforce data attribute consistency, p.6.

...

~~135-2020cf-2 Redefinition of 'Must Understand' for data options~~

~~Rationale~~

~~This change repurposes the 'Must Understand' bit for 'Data Options' to be the first/every segment indicator.~~

~~The only data option in the standard currently is 'Secure Path' which must be sent with every segment. Therefore, the bit is renamed to 'Every Segment' since 'Secure Path' already has this bit set to 1.~~

~~This change does not affect the meaning of the 'Must Understand' bit for 'Destination Options'.~~

[Change Clause AB.2.3, p. 1385]

~~AB.2.3 Header Options~~

...

The 'Header Marker' octet for 'Destination Options' includes the fields as follows:

|            |                    |                                                                                                                                               |
|------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Bit 7      | More Options       | 1 = Another header option follows in the current header option list.<br>0 = This is the last header option in the current header option list. |
|            |                    |                                                                                                                                               |
| Bit 6:     | Must Understand    | 1 = This header option must be understood for consuming the message.<br>0 = This header option can be ignored if not understood.              |
| Bit 5:     | Header Data Flag   | 1 = The 'Header Length' and 'Header Data' fields are present<br>0 = The 'Header Length' and 'Header Data' fields are absent                   |
| Bits 4..0: | Header Option Type | 1..31, The numeric header option type.                                                                                                        |
|            |                    |                                                                                                                                               |

The 'Header Marker' octet for 'Data Options' includes the fields as follows:

|            |                    |                                                                                                                                                                                   |
|------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bit 7      | More Options       | 1 = Another header option follows in the current header option list.<br>0 = This is the last header option in the current header option list.                                     |
| Bit 6:     | Every Segment      | 1 = This header option shall be sent with every segment.<br>0 = This header option shall be sent with the first, or only, segment and shall not be sent with subsequent segments. |
| Bit 5:     | Header Data Flag   | 1 = The 'Header Length' and 'Header Data' fields are present<br>0 = The 'Header Length' and 'Header Data' fields are absent                                                       |
| Bits 4..0: | Header Option Type | 1..31, The numeric header option type.                                                                                                                                            |
|            |                    |                                                                                                                                                                                   |

The 'More Options' flag indicates if the header option is the last option in the current header options list (0), or at least one more header option follows in the current header options list (1).

For the handling of the 'Must Understand' flag and the processing of header options when sending, forwarding, broadcasting, or receiving

BVLC messages with header destination options, see Clause AB.3.1.4.

[Note to reviewer: this reference to Clause 5.2.1.1 refers to the changes made to that clause in section 135-2020cf 3 below]

For the handling of the 'Every Segment' flag and the processing of header options when sending or receiving NPDUs with data options,

see Clause 5.2.1.1 and the subclauses of Clause 5.4....