

BSR/ASHRAE Addendum *h*
to ANSI/ASHRAE Standard 135-2004

Public Review Draft

ASHRAE® Standard

Proposed Addendum *h* to Standard 135-2004, *BACnet®—A Data Communication Protocol for Building Automation and Control Networks*

Third Public Review (September 2008)
(Draft Shows Independent Substantive
Changes To Second Public Review Draft)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed addendum, go to the ASHRAE website at <http://www.ashrae.org/technology/page/331> 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 web site) remains in effect. The current edition of any standard may be purchased from the ASHRAE Bookstore @ <http://www.ashrae.org> or by calling 404-636-8400 or 1-800-527-4723 (for orders in the U.S. or Canada).

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135-2004h-8. Add even and odd day support in Dates.

Rationale
Resource conservation sometimes requires schedules to be able to turn on automated watering systems on either even- or odd-numbered days of the month. Adding enumerations to support this would facilitate automated scheduling of such operations.

Note to Reviewers: In this addendum, changes to the previous public review draft are indicated by showing the changed parts of both the previous and the current public review drafts (the public review 2 version followed by the public review 3 version). Only these changes are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes. Parts of the addendum that did not change are not shown in this public review draft.

Addendum 135-2004h-8

[Change clause **20.2.12**, p. 383]

[Public review 2 version]

20.2.12 Encoding of a Date Value

[...]

Date values shall be encoded in the contents octets as four binary integers. The first ~~contents~~ octet shall represent

[...]

A number of special values for the month and day octets have been defined for use in BACnetCalendarEntry. The following special values shall not be used when conveying an actual time value, such as the Local_Date property of the Device object, or in a TimeSynchronization-Request. [...]

[Public review 3 version]

20.2.12 Encoding of a Date Value

[...]

Date values shall be encoded in the contents octets as four binary integers. The first ~~contents~~ octet shall represent

[...]

A number of special values for the month and day octets have been defined. The following special values shall not be used when conveying an actual date value, such as the Local_Date property of the Device object, or in a TimeSynchronization-Request. [...]

[Change **Clause 21, Date**, p. 408]

[Public review 2 version]

Date ::= [APPLICATION 10] OCTET STRING (SIZE(4)) -- see 20.2.12

[...]

-- third octet day of month (1..3234),

-- 32 = last day of month¹

-- 33 = odd days of month¹

-- 34 = even days of month¹

-- X'FF' = unspecified

[...]

¹ This value may be used only in the date choice of BACnetCalendarEntry.

[Public review 3 version]

Date ::= [APPLICATION 10] OCTET STRING (SIZE(4)) -- see 20.2.12

[...]

-- third octet day of month (1..3234),

-- 32 = last day of month

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-- 34 = even days of month

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[...]