A Data Communication Protocol for Building Automation and Control Networks


This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. The change submittal form, instructions, and deadlines may be obtained in electronic form from the ASHRAE® website (www.ashrae.org) or in paper form from the Senior Manager of Standards.

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FOREWORD

The purpose of this addendum is to present changes to ANSI/ASHRAE Standard 135-2016. 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 changes are summarized below.

135-2016bk-1. Expand the reserved range of BACnetPropertyIdentifier, p. 2

In the following document, language to be added to existing clauses of ANSI/ASHRAE Standard 135-2016 is indicated through the use of italics, while deletions are indicated by strikethrough. Where entirely new subclauses are added, plain type is used throughout.

The use of placeholders like X, Y, Z, X1, X2, etc., should not be interpreted as literal values of the final standard. These placeholders will be assigned actual numbers/letters only with incorporation of this addendum into the standard for republication.
135-2016bk-1. Expand the reserved range of \texttt{BACnetPropertyIdentifier}.

\textbf{Rationale}

The \texttt{BACnetPropertyIdentifier} enumeration will soon overflow the portion of the range reserved for definition by ASHRAE, with the addition of new enumerations for new properties.

[Change \textit{Clause 21, BACnetPropertyIdentifier} production, p. 845]

\texttt{BACnetPropertyIdentifier ::= ENUMERATED \{ -- see below for numerical order}

\hspace{1cm} ...

\hspace{1cm} \} -- The special property identifiers all, optional, and required are reserved for use in the
\hspace{1cm} \hspace{1cm} \hspace{1cm} ReadPropertyMultiple service or services not defined in this standard.
\hspace{1cm} \hspace{1cm} -- Enumerated values 0-511 and enumerated values 4194304 and up are reserved for definition by ASHRAE.
\hspace{1cm} \hspace{1cm} -- Enumerated values 512-4194303 may be used by others subject to the procedures and constraints described
\hspace{1cm} \hspace{1cm} \hspace{1cm} in Clause 23.

[Change \textit{Table 23-1}, p. 875]

\begin{table}[h]
\centering
\begin{tabular}{|c|c|c|}
\hline
\textbf{Enumeration Name} & \textbf{Reserved Range} & \textbf{Maximum Value} \\
\hline
\cdots & \cdots & \cdots \\
\texttt{BACnetPropertyIdentifier} & \cdots 0..511, 4194304...(2^{32} - 1) & \texttt{4194303} (2^{32} - 1) \\
\cdots & \cdots & \cdots \\
\hline
\end{tabular}
\end{table}
(This History of Revisions is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard.)

## HISTORY OF REVISIONS

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| 1 | 20 | Approved by ASHRAE on June 15, 2018; and by the American National Standards Institute on June 15, 2018.  
1. Expand the reserved range of BACnetPropertyIdentifier |
ASHRAE is concerned with the impact of its members’ activities on both the indoor and outdoor environment. ASHRAE’s members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE’s short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its Handbook, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system’s intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE’s primary concern for environmental impact will be at the site where equipment within ASHRAE’s scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.
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