BACnet *Errata*
Addendum *ai* to ANSI/ASHRAE STANDARD 135-2012
A Data Communication Protocol for Building Automation and Control Networks

June 25, 2016

This document lists all known errata to Addendum *ai* to ANSI/ASHRAE 135-2012 as of the above date. Each entry is cited first by clause, then page number, except where an erratum covers more than one clause. The addendum as published is 135_2012_ai_20150109.pdf.

Changes to fix the erratum are highlighted in gray. In these areas, text that is to be removed from the addendum is provided for reference but 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.

1) Addendum 135-2012*ai* added the properties **Max_Master** and **Max_Info_Frames** to new Table 12-Y, indicating to be required for a Protocol_Level of BACNET_APPLICATION if Network_Type is MSTP. But, the footnote 14 of Table 12-X is specifying their presence requirements to allow the property to be optional regardless of the Protocol_Level. The language in Clause 12.X.37 Max_Master and 12.X.38 Max_Info_Frames require presence of the property only if the device is a master node.

A new table entry is added for MSTP slave nodes. This new row does not include Max_Master or Max_Info_Frames. The existing row for MSTP is qualified to apply for master nodes.

Table 12-Y. Required Properties of the Network Port Object Type Based on Network_Type

If the value of Network_Type is…	… then these are the additional properties required of the corresponding Network Port Object.
ETHERNET	MAC_Address
MSTP (Slave node)	MAC_Address
MSTP (Master node)	MAC_Address Max_Master Max_Info_Frames
MSTP (capable of Slave Proxy)	MAC_Address Max_Master Max_Info_Frames Slave_Proxy_Enable Manual_Slave_Address_Binding Auto_Slave_Discovery Slave_Address_Binding
...	...

2) The example for property presence for Max_Master in new Clause 12.X is incorrect, and only valid if the MS/TP node is a master node.

[Add new **Clause 12.X**, p. 459]

12.X Network Port Object

...

As specified in Table 12-X and the text below, some properties of the Network Port object are required if the object is used to represent a network of a given type. For example, a Network Port object whose Network_Type is MSTP and the node is an MS/TP master node must include the Max_Master property, and a Network Port object whose Network_Type is BACNET_IPV4 must include the BACnet_IP_Subnet_Mask property. Aside from the properties so required, it is a local matter whether a Network Port object contains properties that do not apply to its Network_Type. For example, a Network Port object whose Network_Type is MSTP may include the BACnet_IP_Subnet_Mask property, although the value of this property would not be used by the network. Some vendors may find it convenient to have all of their Network Port objects support the same list of properties regardless of Network_Type. This is permitted, but not required.

...