BACnet *Errata*
Addendum *bf* 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 *bf* 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_bf_20160302.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 <u>double underlines</u>. 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*bf* removes Network_Type NON_BACNET, but it was missed to show a change that removes this network type from the table in 12.X.8. The erratum shows the change that had been missing in 135-2012*bf*.

[Change **Clause 12.X.8** in **Addendum 135-2012*ai***, p. 6]

12.X.8 Network_Type

This property, of type BACnetNetworkType, represents the type of network this Network Port object is representing.

This property shall have one of the following values:

[Note to reviewers: the following descriptions are re-ordered to be listed alphabetically. The reordering is not shown with change marking for clarity.]

ARCNET	~~ARCNET, as defined in Clause 8~~
ETHERNET	~~ISO 8802-3 ("Ethernet"), as defined in Clause 7~~
~~MSTP~~	~~MS/TP, as defined in Clause 9~~
~~BACNET_~~IPV4	~~BACnet/IP as defined in Annex J.~~
~~BACNET_~~IPV6	~~BACnet/IPv6 as defined in Annex ?.~~
LONTALK	
MSTP	MS/TP, as defined in Clause 9.
PTP	Point-To-Point, as defined in Clause 10.
SERIAL	*A physical serial port.*

VIRTUAL	Indicates that this port represents the configuration and properties of a virtual network as described in Annex H.2.
ZIGBEE	ZigBee as defined in Annex O.
~~NON_BACNET~~	~~Indicates that this port represents a non-BACnet network.~~
<Proprietary Enum Values>	A vendor may use other proprietary enumeration values to indicate that this port represents the use of message structures, procedures, and medium access control techniques other than those contained in this standard. For proprietary extensions of this enumeration, see Clause 23.1 of this standard.

When the Protocol_Level is BACNET_APPLICATION, the Network_Type indicates the protocol over which BACnet is operating and implies that the requirements laid out in the appropriate clause are being met. For example, if the Network_Type is IPV4, then the port is operating as a BACnet/IP port as defined in Annex J.

2) Addendum 135-2012*bf* removes Network_Type NON_BACNET, but it was missed to remove this type from the language in 12.X.9. The erratum shows the change that should have been in addendum 135-2012*bf*.

[Change **Clause 12.X.9** in **Addendum 135-2012*ai***, p. 11]

...

If the Network_Type is PTP ~~or NON_BACNET~~ ~~or NON_BACNET~~, then this property shall be read-only and contain a value of 0.

...

3) The undefined property **Zero_Configuration_Enable** appears in new Table 12-Y2. This property is removed from the table. The baseline addendum has been modified by the fix to erratum 135-2012*ai 2016-06-25*) to include two rows for MSTP. The respective update to addendum 135-2012*bf* is shown here accordingly.

[Insert new **Table 12-Y2** and **Table 12-Y3** immediately after **Table 12-Y** in **Addendum 135-2012*ai***, p. 5]
[This change includes content that relies on Addendum 135-2012*aj*]

Table 12-Y2. Expected Properties of the Network Port Object Type by Network_Type and Protocol_Level.

Network_Type	Protocol_Level	Properties	Conformance
...			
MSTP (Slave node)	PROTOCOL	MAC_Address	R
MSTP (Master node)	PROTOCOL	MAC_Address Max_Master Max_Info_Frames ~~Zero_Configuration_Enable~~	R R R ~~O~~
...			

3) The example for property presence for Max_Master in new Clause 12.X of addendum 135-2012*ai* has been changed and should be in addendum 135-2012*bf as well.*

[Change **Clause 12.X** in **Addendum 135-2012***ai*, p. 2]

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/T 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.

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