BACnet *Errata*
Addendum *aj* 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 *aj* 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_aj_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*aj* added the properties ***IPv6_Auto_Addressing_Enable*** and ***IPv6_Zone_Index*** to Table 12-Y of addendum 135-2012*ai,* indicating to be required for a Protocol_Level of BACNET_APPLICATION. But, the new footnotes X+2 and X+3 to be added to Table 12-X of addendum 135-2012*aj* are specifying their presence requirements to allow these properties to be optional regardless of the Protocol_Level.

The erratum removes these two properties from the changes to Table 12-Y of addendum 135-2012*aj*.

[Change Table **12-Y** in **Addendum 135-2012*ai***, p. 5]

If the value of Network_Type is…	… then these are the additional properties required of the corresponding Network Port Object.
…	
BACNET_IPV6 (BACNET_IPv6_Mode is NORMAL)	*MAC_Address* *BACnet_IPv6_Mode* *IPv6_Prefix_Length* *IPv6_Address* *BACnet_IPv6_UDP_Port* *BACnet_IPv6_Multicast_Address* *IPv6_Default_Gateway* *IPv6_DNS_Server* ~~*IPv6_Auto_Addressing_Enable*~~ ~~*IPv6_Zone_Index*~~
BACNET_IPV6 (BACNET_IPv6_Mode is FOREIGN)	*MAC_Address* *BACnet_IPv6_Mode* *IPv6_Prefix_Length* *IPv6_Address* *BACnet_IPv6_UDP_Port* *BACnet_IPv6_Multicast_Address* *IPv6_Default_Gateway* *IPv6_DNS_Server* ~~*IPv6_Auto_Addressing_Enable*~~ ~~*IPv6_Zone_Index*~~ *FD_BBMD_Address* *FD_Subscription_Lifetime*

BACNET_IPV6 (BACNET_IPv6_Mode is BBMD)	MAC_Address BACnet_IPv6_Mode IPv6_Prefix_Length IPv6_Address BACnet_IPv6_UDP_Port BACnet_IPv6_Multicast_Address IPv6_Default_Gateway IPv6_DNS_Server ~~IPv6_Auto_Addressing_Enable~~ ~~IPv6_Zone_Index~~ BBMD_Broadcast_Distribution_Tabl e BBMD_Accept_FD_Registrations BBMD_Foreign_Device_Table

[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 ?.~~

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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 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.

...