

### Clarification Request

**References:** BTL Testplan 12.0 final  
BTL specified tests 7.3.2.29.X1 and 7.3.2.29.X2

**Date of BTL-WG Response:** January 10, 2013

#### Background / Proposed Solution:

The properties Subordinate\_List and Subordinate\_Annotations are required to have identical sizes, so changes in either property requires changes in the other as well (increasing or shrinking the number of elements in the array).

135-2010 in section 12.29.7: If the size of the Subordinate\_List array is changed, the size of the Subordinate\_Annotations array, if present, shall also be changed to the same size. Uninitialized Subordinate\_List array elements shall be given the instance number 4194303.

#### Problems:

1. Neither the BACnet standard nor the test-package tells about the Object\_Type of the new reference entry to be created in the Subordinate\_List property when the Subordinate\_Annotations property increases.
2. If the Subordinate\_Annotations increases by more than one entry, it would be required to create more than one new object reference in the Subordinate\_List using the wildcard.

- Is this allowed anyway (using more than one uninitialized reference)?

- In 12.29.7 the BACnet standard suggests

To avoid recursion, it is suggested that a single Structured View object should be referenced only once in the hierarchy.

and requires:

A Subordinate\_List array element whose instance number is equal to 4194303 shall be considered uninitialized and shall be ignored.

#### Questions:

1. Clarify if an object of type Structured View object type instance shall be created in case of increasing the Subordinate\_Annotations property or allow any other object type. The only current requirement would be the wildcard instance number.
2. Is it critical to create more than one instance of the object type mentioned above using the wildcard instance number thinking about the recursion in scanning the tree? My feeling is it is not critical, it shall be simply ignored.

Is it allowed to have more than one object reference of the same type using the wildcard instance in an array or list property? The standard implies it but do not specifically define it: Uninitialized Subordinate\_List **array elements** (plural). Is this what is intended? In this case we deal with an array so duplicate entries are not critical. But if we would deal with real lists, creating multiple entries would result in just a single element in the list.

#### Response:

**The BTL-WG feels the existing tests 7.3.2.29.X1 and 7.3.2.29.X2 are in accordance with the current standard. Any changes to the standard would need an interpretation sent to the SSPC.**