

Clarification Request

References: BTL Test Plan-18-1.2 3.61 FileObject / Test 135.1-2019 - 9.13.1.2.4 - Truncating a File

Date of BTL-WG Response: September 16, 2021

Background: ANSI/ASHRAE Standard 135-2020

12.13.6 File_Size

This property, of type Unsigned, indicates the size of the file data in octets. If the size of the file can be changed by writing to the file, and File_Access_Method is STREAM_ACCESS, then this property shall be writable.

Writing to the File_Size property with a value less than the current size of the file shall truncate the file at the specified position.

Writing a File_Size of 0 shall delete all of the file data but not the File object itself. Writing to the File_Size property with a value greater than the current size of the file shall expand the size of the file but the value of the new octets of the file shall be a local matter.

Devices may restrict the allowed values for writes to the File_Size. Specifically, devices may allow deletion of the file contents by writing a value of zero, but not necessarily allow arbitrary truncation or expansion.

Any change to the File_Size property shall also update the Modification_Date property to reflect the date when the size was changed.

BTL Test Plan-18.1.2

Chapter 3.61 File Object

3.61.5 Contains a Writable Stream-Based File for a Purpose Other Than Backup and Restore

BTL - 9.13.1.2.3 - Appending Data to the End of a File		
	Test Conditionality	If the file size cannot be changed or if the IUT does not support files that cannot be modified except by replacing the entire file, then this test shall be skipped.
	Test Directives	
	Testing Hints	
135.1-2019 - 9.13.1.2.4 - Truncating a File		
	Test Conditionality	If the file size cannot be changed, then this test shall be skipped.
	Test Directives	
	Testing Hints	

9.13.1.2.4 Truncating a File

Purpose: To verify that the IUT correctly responds to a WriteProperty request to truncate a file.

This test shall be performed only if the Protocol_Revision property is present in the Device object and has a value greater than or equal to 1

.....

5. TRANSMIT WriteProperty-Request,
 - 'Object Identifier' = S,
 - 'Property Identifier' = File_Size,
 - 'Property Value' = (any value n: 0 < n < InitialNumOctets)

Problem:

In the BACnet section 12.13.6 the BACnet Standard does not require arbitrary truncation or expansion by writing property File_Size even if the File_Size can be changed by writing zero or by replacement of the entire file.

The Test 9.13.1.2.4 request in Step 5 to Write File_Size a value > 0

Question:

Should the Test Conditionality

“ If the file size cannot be changed, then this test shall be skipped.”

be replaced by something like

“If the only value that the IUT accepts for File_Size is zero, then this test shall be skipped.”

Response:

YES