

**INTERPRETATION IC 135-2012-14 OF
ANSI/ASHRAE STANDARD 135-2012 BACnet® -
A Data Communication Protocol for Building
Automation and Control Networks**

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Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 135-2012, Clause 19.1.3.3, regarding restoring the configuration files.

Background:

19.1.3.3 Restoring the Configuration Files

Device A will use the AtomicWriteFile service to write each configuration file to device B. If any of the files do not exist in device B, then device A will attempt to create the files using the CreateObject service.

Problem:

There are many options of providing initial properties in the CreateObject service. The request might be issued with only the object type or it might be issued with any number of properties. A B device is generally not required to support all of these options. In the context of the Restore it seems obvious that at least the objectidentifier and the AccessMethod of the new file should be provided. If different B devices support different sets of initial values and fail in other cases it is difficult for the A device implementation to guess which set of properties should be provided to a given B device.

Interpretation No.1: A B device depending on CreateObject in the Restore procedure shall support CreateObject requests for file objects with exactly objectidentifier and access-method.

Question No.1: Is this interpretation correct?

Answer No.1: No

Interpretation No.2: An A device shall at least try a CreateObject request with objectidentifier and access-method.

Question No.2: Is this interpretation correct?\

Answer No.2: No

Comments: A related interpretation request IC 135-2004-29 provides the answer to this question.

"There is no expectation that the A device will provide any property values in the CreateObject service or follow the CreateObject service with any writes to initialize property values of file objects. The only requirement on the A device is that it uses the objectIdentifier form of CreateObject and not the objectType form."

As such devices need to be able to properly initialize the properties of file objects based solely on the object identifier that is provided in the create request.