

PICS

The "Protocol Implementation Conformance Statement" or "PICS" describes the BACnet capabilities of a particular BACnet implementation. According to the BACnet standard:

22.1.1 Protocol Implementation Conformance Statement (PICS)

All devices conforming to the BACnet protocol shall have a Protocol Implementation Conformance Statement (PICS) that identifies all of the portions of BACnet that are implemented.

This PICS shall contain all of the information described in 22.1.1.1 and shall be in the format found in Annex A.

22.1.1.1 PICS Contents

A PICS is a written document, created by the manufacturer of a device, that identifies the particular options specified by BACnet that are implemented in the device. A BACnet PICS is considered a public document that is available for use by any interested party. As a minimum, a BACnet PICS shall convey the following information.

- (a) Basic information identifying the vendor and describing the BACnet device.
- (b) The BACnet Interoperability Building Blocks supported by the device (see Annex K).
- (c) The standardized BACnet device profile to which the device conforms, if any (see Annex L).
- (d) All non-standard application services that are supported along with an indication for each service of whether the device can initiate the service request, respond to a service request, or both.
- (e) A list of all standard and proprietary object types that are supported.
- (f) For each object type supported,
 - 1. any optional properties that are supported,
 - 2. which properties can be written-to using BACnet services,
 - 3. if the objects can be dynamically created or deleted using BACnet services,
 - 4. any restrictions on the range of data values for properties.
- (g) The data link layer option options, both real and virtual, supported. (See Annexes H and J).
- (h) Whether segmented requests are supported.
- (i) Whether segmented responses are supported.

You can download a copy of an editable PICS (in MS-Word format) here:
<http://www.bacnet.org/DL-Docs/index.html>