

## *Protocol Implementation Conformance Statement (PICS)*

<i>Vendor Name:</i>	<i>Frimat GmbH</i>
<i>Vendor ID:</i>	<i>474</i>
<i>Product Name:</i>	<i>VISU</i>
<i>Product Model Number:</i>	<i>5.1</i>
<i>Applications Software Version:</i>	<i>2010</i>
<i>Firmware Revision:</i>	<i>n/a</i>
<i>BACnet Protocol Revision:</i>	<i>1.7</i>

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## Product Description:

The Frimat VISU works as a BACnet OWS and offers two operation modes with integrated BACnet/IP BBMD, FD and full routing capabilities through the supported layers.

- 1) BACnet operator workstation (B-OWS), suitable for configuring BACnet servers and accessing any property of any object,
- 2) Standard SCADA operation, providing a graphical, intuitive user interface in order to allow the end user to easily access and operate the plant. Data sharing, scheduling, alarming and trending services are fully integrated with the services of the SCADA system.

The client implementation is based on MBS Stack.

## BACnet Standardized Device Profile (Annex L):

- BACnet Operator Workstation (B-OWS)
- BACnet Building Controller (B-BC)
- BACnet Advanced Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

## List all BACnet Interoperability Building Blocks Supported (Annex K):

Data Sharing	Alarms & Events	Scheduling	Trending	Device Management
DS-COV-A / B	AE-ACK-A	SCHED-A	T-ATR-A	DM-DDB-A / B
DS-RP-A / B	AE-N-A	SCHED-VM-A	T-VMT-I-A	DM-DOB-A / B
DS-RPM-A / B	AE-INFO-A		T-V-A	DM-DCC-A
DS-WP-A	AE-ASUM-A			DM-RD-A
DS-WPM-A	AE-ESUM-A			DM-TS-A
DS-V-A	AE-AS-A			DM-UTC-A
DS-M-A	AE-VM-A			DM-BR-A
	AE-VN-A			DM-MTS-A

### Segmentation Capability:

- Segmented requests supported
- Segmented responses supported

Window Size: configurable  
Window Size: configurable

### Standard Object Types supported:

Object-Type	Object-Type supported	Dynamically creatable / deletable	Optional Properties supported
Accumulator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Analog Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Averaging	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Binary Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Binary Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Binary Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Calendar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	All
Command	<input type="checkbox"/>	<input type="checkbox"/>	-
Device	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Event-Enrollment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
File	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Group	<input type="checkbox"/>	<input type="checkbox"/>	-
Life Safety Point	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Life Safety Zone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Loop	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Multi-State Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Multi-State Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Multi-State Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Notification Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	All
Program	<input type="checkbox"/>	<input type="checkbox"/>	-
Pulse Converter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All
Schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	All
Trend log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	All

### Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- MS/TP master (Clause 9), baud rate(s):
- MS/TP slave (Clause 9), baud rate(s):
- Lon Talk, (Clause 11), any medium

Other:



**Device Address Binding:**

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.)  Yes  No

**Network Options:**

- Router, Clause 6 – List all routing configurations, e.g. ARCNET-Ethernet, Ethernet-MS/TP, etc.
- Annex H, BACnet Tunneling Router over IP
- BACnet/IP Broadcast Management Device (BBMD)  
Does the BBMD support registrations by Foreign Devices?  Yes  No

**Character Sets Supported:**

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- ANSI X3.4
- IBM™/Microsoft™ DBCS
- ISO 8859-1
- ISO 10646 (UCS-2)
- ISO 10646 (UCS-4)
- JIS C 6226

**If this product is a communication gateway, describe the types of non-BACnet equipment / networks(s) that the gateway supports:**

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