

## BACnet Protocol Implementation Conformance Statement

**Date:** 16/09/2015

**Vendor Name:** RPS S.p.A.

**Product Name:** NetMan 204

**Product Model Number:** \_\_\_\_\_

**Application Software Version:** 1.05

**Firmware Revision:** 1.05

**BACnet Protocol Revision:** 1.01

**Product Description:**

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**BACnet Standardized Device Profile (Annex L):**

- BACnet Operator Workstation (B-OWS)
- BACnet Advanced Operator Workstation (B-AWS)
- BACnet Operator Display (B-OD)
- 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):**

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**Segmentation Capability:**

- Able to transmit segmented messages Window Size \_\_\_\_\_
- Able to receive segmented messages Window Size \_\_\_\_\_

**Standard Object Types Supported:**

An object type is supported if it may be present in the device. For each standard Object Type supported provide the following data:

- 1) Whether objects of this type are dynamically creatable using the CreateObject service
- 2) Whether objects of this type are dynamically deletable using the DeleteObject service
- 3) List of the optional properties supported
- 4) List of all properties that are writable where not otherwise required by this standard
- 5) List of all properties that are conditionally writable where not otherwise required by this standard
- 6) List of proprietary properties and for each its property identifier, datatype, and meaning
- 7) List of any property range restrictions

**Data Link Layer Options:**

- BACnet IP, (Annex J)



- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s) \_\_\_\_\_
- MS/TP master (Clause 9), baud rate(s): \_\_\_\_\_
- MS/TP slave (Clause 9), baud rate(s): \_\_\_\_\_
- Point-To-Point, EIA 232 (Clause 10), baud rate(s): \_\_\_\_\_
- Point-To-Point, modem, (Clause 10), baud rate(s): \_\_\_\_\_
- LonTalk, (Clause 11), medium: \_\_\_\_\_
- BACnet/ZigBee (ANNEX O)
- 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

**Networking 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

Does the BBMD support network address translation?  Yes  No



**Network Security Options:**

- Non-secure Device - is capable of operating without BACnet Network Security
- Secure Device - is capable of using BACnet Network Security (NS-SD BIBB)
  - Multiple Application-Specific Keys:
  - Supports encryption (NS-ED BIBB)
  - Key Server (NS-KS BIBB)

**Character Sets Supported:**

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

- ISO 10646 (UTF-8)
- IBM™/Microsoft™ DBCS
- ISO 8859-1
- ISO 10646 (UCS-2)
- ISO 10646 (UCS-4)
- JIS X 0208

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

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## BACNET

Object	Description	Unit
Analog Input 0	Input voltage line 1	V
Analog Input 1	Input voltage line 2	V
Analog Input 2	Input voltage line 3	V
Analog Input 3	Input current line 1	A
Analog Input 4	Input current line 2	A
Analog Input 5	Input current line 3	A
Analog Input 6	Input frequency	Hz
Analog Input 7	Bypass voltage line 1	V
Analog Input 8	Bypass voltage line 2	V
Analog Input 9	Bypass voltage line 3	V
Analog Input 10	Bypass frequency	Hz
Analog Input 11	Output voltage line 1	V
Analog Input 12	Output voltage line 2	V
Analog Input 13	Output voltage line 3	V
Analog Input 14	Output current line 1	A
Analog Input 15	Output current line 2	A
Analog Input 16	Output current line 3	A
Analog Input 17	Output peak current line 1	A
Analog Input 18	Output peak current line 2	A
Analog Input 19	Output peak current line 3	A
Analog Input 20	Output power line 1	W
Analog Input 21	Output power line 2	W
Analog Input 22	Output power line 3	W
Analog Input 23	Output frequency	Hz

<b>Analog Input 24</b>	Output load line 1	%
<b>Analog Input 25</b>	Output load line 2	%
<b>Analog Input 26</b>	Output load line 3	%
<b>Analog Input 27</b>	Battery voltage	V
<b>Analog Input 28</b>	Battery current	A
<b>Analog Input 29</b>	Battery capacity	%
<b>Analog Input 30</b>	UPS temperature	°C
<b>Analog Input 31</b>	Autonomy	min
<b>Analog Input 32</b>	Nominal power	VA
<b>Binary Input 0</b>	Mains status	Present/Not present
<b>Binary Input 1</b>	Bypass status	Active/Not active
<b>Binary Input 2</b>	Battery status	Working/Not working
<b>Binary Input 3</b>	Battery level	Low/Not low
<b>Binary Input 4</b>	UPS locked	Locked/Not locked
<b>Binary Input 5</b>	UPS fail	Fail/Not fail
<b>Binary Input 6</b>	Load	Overload/Normal
<b>Binary Input 7</b>	Temperature	Overtemperature/Normal
<b>Binary Input 8</b>	Bypass bad	Bad/Not bad
<b>Binary Input 9</b>	Replace battery	Replace/Not replace
<b>Binary Input 10</b>	Shutdown	Active/Not active
<b>Binary Input 11</b>	Shutdown imminent	Imminent/Not imminent
<b>Binary Input 12</b>	Communication status	Lost/OK