



BACnet Protocol Implementation Conformance Statement

MEC – Coletor dados medição concessionária

Date: 05/12/2011
Vendor Name: Mercado Automação
Product Name: MEC
Product Model Number: MEC
App Software Version: N/A
Firmware Revision: 1.00
BACnet Protocol Rev: 1.7

Product Description:

MEC is an interface to optical port of energy meters defined by NBR 14522 standard. It maintains all data received for 60 days in internal memory. It has Ethernet and 2 RS485 ports as communication interfaces, supporting BACnet and Modbus protocols.

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)

BACnet Interoperability Building Blocks Supported (Annex K):

DS-RP-B, DS-RPM-B, DS-WP-B, SCHED-I-B, T-VMT-I-B, DM-DDB-B, DM-DOB-B, DM-TS-B

Segmentation Capability:

- ☐ Able to transmit segmented messages Window Size _____
- ☐ Able to receive segmented messages Window Size _____

Standard Object Types Supported:

Device support (contains) these objects:

AnalogValue, BinaryInput, BinaryOutput, BinaryValue, Device, MultiStateValue, TrendLog

It does not support dynamic creation of any objects (CreateObject and DeleteObject services).

Data Link Layer Options:

- ☒ BACnet IP, (Annex J)
- ☒ ISO 8802-3, Ethernet (Clause 7)
- ☒ MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 76800, 115200bps.

Device Address Binding:

Is static device binding supported? ☐ Yes ☒ No

Networking Options:

- ☐ Router, Clause 6 - List all routing configurations
- ☐ 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.

- | | | |
|---|---|-------------------------------------|
| ☒ ANSI X3.4 | ☐ 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:

NBR 14522 protocol (user's serial).