

**ANNEX A - PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (NORMATIVE)**

(This annex is part of this Standard and is required for its use.)

**BACnet Protocol Implementation Conformance Statement**

**Date:** 21.09.2018

**Vendor Name:** GMC-I Messtechnik GmbH

**Product Name:** ENERGYMID Energy Meter

**Product Model Number:** EM2281, EM2289, EM2381, EM2387, EM2389

**Application Software Version:** 1.2x

**Firmware Revision:** 1.xx

**BACnet Protocol Revision:** 12

**Product Description:**

Professional energy meter for 2, 3 and 4-wire systems with BACnet IP interface.

**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):**

*Data Sharing BIBBs:*

DS-RP-B	Data Sharing-Read Property-B
DS-RPM-B	Data Sharing-Read Property Multiple-B
DS-WP-B	Data Sharing-WriteProperty-B

*Device and Network Management BIBBs:*

DM-DDB-B	Device Management-Dynamic Device Binding-B
DM-DOB-B	Device Management-Dynamic Object Binding-B
DM-TS-B	Device Management-TimeSynchronization-B

**Segmentation Capability:**

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

**Standard Object Types Supported:**

<i>Object-Type</i>	<i>Dynamically Creatable</i>	<i>Dynamically Deletable</i>	<i>Optional Properties Supported</i>	<i>Writable Properties</i>
Device	No	No	Location Description Local_Date Local_Time	Object_Identifier Location
Analog Input	No	No	Description	

**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:**

No gateway support.