

Protocol Implementation Conformance Statement LIP-ME201

ISSUE5 DOCUMENT # 88075605

May 201

Date: May 14, 2012

Vendor Name: LOYTEC electronics GmbH

Product Name: BACnet Router **Product Model Number:** LIP-ME201 **Applications Software Version:** V4

Firmware Revision: 4.5

BACnet Protocol Revision: 135-2010 (1.7)

Product Description:

This product implements an BACnet MS/TP to BACnet/IP router with BBMD functionality (on the IP side). It supports operation as a router, router + BBMD, and router as foreign device behind NAT. It can act as a BACnet time master and as a slave proxy for BACnet MS/TP slave devices.

BACnet Standardized Device Profile (Annex L):

This device is a router / BBMD.

BACnet Interoperability Building Blocks Supported (Annex K):

Data Sharing – ReadProperty-B (DS-RP-B)

Data Sharing – ReadPropertyMultiple-B (DS-RPM-B)

Data Sharing – WriteProperty-B (DS-WP-B)

Data Sharing – WritePropertyMultiple-B (DS-WPM-B)

Data Sharing - COVP-B (DS-COVP-B)

Device Management – DynamicDeviceBinding-A (DM-DDB-A) Device Management – DynamicDeviceBinding-B (DM-DDB-B) Device Management – DynamicObjectBinding-B (DM-DOB-B) Device Management – TimeSynchronization-A (DM-TS-A)

Device Management – TimeSynchronization-B (DM-TS-B)

Device Management – UTCTimeSynchronization-A (DM-UTC-A)
Device Management – UTCTimeSynchronization-B (DM-UTC-B)
Device Management – Automatic Time Synchronization-A (DM-ATS-A)
Device Management – DeviceCommunicationControl-B (DM-DCC-B)

Device Management – ReinitializeDevice-B (DM-RD-B) Device Management – Backup and Restore (DM-BR-B) Device Management – List Manipulation-B (DM-LM-B)

Network Management – Connection Establishment-A (NM-CE-A)

Segmentation Capability:

Segmented requests supported, window size: 16 Segmented responses supported, window size: 16

Standard Object Types Supported:

For all the objects below the following applies if not stated otherwise:

- 1) Does not support the CreateObject and DeleteObject service
- 2) Properties Object_Name, Description support up to 64 characters
- 3) Includes the required properties as specified for the object class
- 4) All commandable objects support the Priority_Array and Relinquish_Default with 16 freely usable priorities
- 5) No additional writeable properties exist
- 6) No proprietary properties exist
- 7) No range restrictions exist



Device Object

IJLNL	α	mmmm	monernes	: supported:

Location, Description, Max_Segments_Accepted, APDU_Segment_Timeout, Max_Master¹, Max_Info_Frames¹, Active_COV_Subscriptions, Configuration_Files, Last_Restor_Time, Backup_Failure_Timeout, Local_Time, Local_Date, UTC_Offset, Daylight_Savings_Status, Time_Synchronization_Recipients, UTC_Time_Synchronization_Recipients, Time_Synchronization_Interval, Align_Intervals, Interval_Offset, Slave_Proxy_Enable¹, Manual_Slave_Address_Binding¹, Auto_Slave_Discovery¹, Slave_Address_Binding¹

File Object

Data Link Layer Options:								
☑ BACnet IP, (Annex J) ☑ BACnet IP, (Annex J), Foreign ☐ ISO 8802-3, Ethernet (Clause 7) ☑ MS/TP master (Clause 9), baud ☐ MS/TP slave (Clause 9), baud r ☐ Point-To-Point, EIA 232 (Clause Point-To-Point, modem, (Clause LonTalk, (Clause 11), medium:) rate(s): 9600, 19200, rate(s): 9600, 19200, 38 se 10), baud rate(s): e 10), baud rate(s):							
Device Address Binding:								
Static device address binding is su	pported.							
Networking Options:								
☑ Router, Clause 6 – MS/TP to B. ☐ Annex H, BACnet Tunneling R ☑ BACnet/IP Broadcast Managen ☑ Registrations by Foreign Device	outer over IP nent Device (BBMD)							
Character Sets Supported:								
The device is configurable for one	of the following chara	acter sets at a t	ime. It does no	t suppor	t them s	imultaı	neousl	ly.
☑ ANSI X3.4/UTF-8 ☑ ISO 10646 (UCS-2)	☐ IBM [™] /Microsoft [™] ☐ ISO 10646 (UCS-		☑ ISO 8859- □ JIS C 6220					
If this product is a communication supports:	on gateway, describe	the non-BAC	Cnet equipmen	t/netwo	rk(s) tha	at the ş	gatew	ay
Additional Information and Con	ntact:							
Further Information, a detailed http://www.loytec.com .	d User Manual and	d firmware	updates can	be ob	tained	from	our	website

¹ If device is operated with BACnet MS/TP enabled.



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For information and technical support please contact us at the following address:

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