

Neutrino-GLT Server

BACnet™
Protocol
Implementation
Conformance
Statement
(PICS)
Version 3

Änderungen vorbehalten - Contents subject to change - Sous réserve de modifications - Reservado el derecho a modificación - Wijzigingen voorbehouden - Con riserva di modifichie - Innehåll som skall ändras - Změny vyhrazeny - Zmiany zastrzeżone - Возможны изменения - A változtatások jogát fenntartjuk - 保留未通知而改动的权力

BACnet Protocol Implementation Conformance Statement

Date: 14.11.2003
Vendor Name: Kieback&Peter GmbH & Co. KG
Product Name: Neutrino GLT Server
Product Model Number: 8.0
Applications Software Version: 8.0
Firmware Revision: 8.0
BACnet Protocol Revision: 1.2 (BACnet ANSI/ASHRAE 135-2001)

Product Description:

The Kieback&Peter Neutrino GLT Server is a BACnet Building Management Station.

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):

1. Data Sharing BIBBs

Data Sharing Read-Property-A	DS-RP-A
Data Sharing Read-Property-B	DS-RP-B
Data Sharing Read-Property-Multiple-A	DS-RPM-A
Data Sharing Read-Property-Multiple-B	DS-RPM-B
Data Sharing Write-Property-A	DS-WP-A
Data Sharing Write-Property-B	DS-WP-B
Data Sharing Write-Property-Multiple-B	DS-WPM-B
Data Sharing COV-A	DS-COV-A
Data Sharing COV-B	DS-COV-B
Data Sharing COVUnsolicited-A	DS-COVU-A
Data Sharing COVUnsolicited-B	DS-COVU-B

2. Alarm / Event BIBBs

Alarm and Event-Notification-A	AE-N-A
Alarm and Event-Notification-Internal B	AE-N-I-B
Alarm and Event-Acknowledge-B	AE-ACK-B
Alarm and Event-Information-B	AE-INFO-B
Alarm and Event-AlarmSummary-B	AE-ESUM-B

3. Scheduling BIBBs

Scheduling-External-B	SCHED-E-B
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4. Trending BIBBs

Trending-Viewing and Modifying Trends-Internal-B	T-VMT-I-B
Trending-Automated-Trend-Retrieval-B	T-ATR-B

5. Device Management BIBBs

Device Management-Dynamic Device Binding-A	DM-DDB-A
Device Management-Dynamic Device Binding-B	DM-DDB-B
Device Management-Dynamic Object Binding-A	DM-DOB-A
Device Management-Dynamic Object Binding-B	DM-DOB-B
Device Management-Device Communication Control	DM-DCC-B
Device Management-TimeSynchronization-B	DM-TS-B
Device Management-UTCTimeSynchronization-B	DM-UTC-B
Device Management-List Manipulation-A	DM-LM-A
Device Management-List Manipulation-B	DM-LM-B
Device Management-DeviceCommunicationControl-B	DM-DCC-B
Device Management-ReinitializeDevice-B	DM-RD-B
Device Management-Backup and Restore-B	DM-RD-B

6. Network Management BIBBs

Network Management-ConnectionEstablishment-A	NM-CE-A
Network Management-ConnectionEstablishment-B	NM-CE-B
Network Management-RouterConfiguration-A	NM-RC-A
Network Management-RouterConfiguration-B	NM-RC-B

Segmentation Capability:

- Segmented requests supported Window Size 16
- Segmented responses supported Window Size 16

Standard Object Types Supported: Analog-Input-Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Analog Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Device Type Reliability Update_Interval Min_Pres_Value Max_Pres_Value Resolution COV_Increment Time_Delay Notification_Class High_Limit Low_Limit Deadband Limit_Enable Event_Enable Acked_Transitions Notify_Type		-	

Standard Object Types Supported: Analog-Output-Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Analog Output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Device Type Reliability Min_Pres_Value Max_Pres_Value Resolution COV_Increment Time_Delay Notification_Class High_Limit Low_Limit Deadband Limit_Enable Event_Enable Acked_Transitions Notify_Type	Present_Value	-	

Standard Object Types Supported: Analog-Value-Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Analog Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Reliability Priority_Array Relinquish_Default COV_Increment Time_Delay Notification_Class High_Limit Low_Limit Deadband Limit_Enable Event_Enable Acked_Transitions Notify_Type	Present_Value	-	

Standard Object Types Supported: Binary-Input-Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Binary-Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Device_Type Reliability Inactive_Text Active_Text Time_Delay Notification_Class Alarm_Value Event_Enable Acked_Transitions Notify_Type		-	

Standard Object Types Supported: Binary-Output-Objec

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Binary-Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Device_Type Reliability Inactive_Text Active_Text Time_Delay Notification_Class Feedback_Value Event_Enable Acked_Transitions Notify_Type	Present_Value	-	

Standard Object Types Supported: Binary-Value-Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Binary-Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Reliability Inactive_Text Active_Text Priority_Array Relinquish_Default Time_Delay Notification_Class Alarm_Value Event_Enable Acked_Transitions Notify_Type	Present_Value	-	

Standard Object Types Supported: Calendar-Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Calendar	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description		-	

Standard Object Types Supported: Device-Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Device	YES	N/A	N/A	Location Description Local_Time Local_Date UTC_Offset Daylight_Savings_Status APDU_Segment_Timeout			

Standard Object Types Supported: File-Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
File	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Standard Object Types Supported: Multistate-Input-Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Multistate-Input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Device_Type Reliability State_Text Time_Delay Notification_Class Alarm_Values Fault_Values Event_Enable Acked_Transitions Notify_Type			

Standard Object Types Supported: Multistate-Output-Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Multistate-Output	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Device_Type Reliability State_Text Time_Delay Notification_Class Feedback_Value Event_Enable Acked_Transitions Notify_Type	Present_Value		

Standard Object Types Supported: Multistate-Value-Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Multistate-Value	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Reliability State_Text Priority_Array Relinquish_Default Time_Delay Notification_Class Alarm_Values Fault_Values Event_Enable Acked_Transitions Notify_Type	Present_Value		

Standard Object Types Supported: Notification Class Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Notification-Class	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description			

Standard Object Types Supported: Schedule Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description Weekly_Schedule Exception_Schedule	Weekly_Schedule Exception_Schedule		

Standard Object Types Supported: Trendlog Object

Object-Type	Supported	Dynamically Creatable	Dynamically Deleteable	Optional Properties Supported	Writable Properties	Proprietary Properties	Property Range Restrictions
Trendlog	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Description			

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ASTM 878.1, 2.5 Mb. ARCNET (Clause 8)
- ASTM 878.1, RS-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): max. EIA 232
- Point-To-Point, modem, (Clause 10), baud rate(s): max. modem
- LonTalk, (Clause 11), medium: _____
- Other: _____

Networking Options:

- Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
Halfrouter PTP
 - Annex H, BACnet Tunneling Router over IP
 - BACnet 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 (ICS-4)
- JIS C 6226

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