

Neutrino-GLT Client

BACnet™
Protocol
Implementation
Conformance
Statement
(PICS)
Version 4

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: 18.10.2007
Vendor Name: Kieback&Peter GmbH & Co. KG
Product Name: Neutrino GLT Client
Product Model Number: 8.0
Applications Software Version: 8.2
Firmware Revision: 8.2
BACnet Protocol Revision: 1.4 (BACnet ANSI/ASHRAE 135-2004)

Product Description:

The Kieback&Peter Neutrino GLT Client 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-ReadProperty-A | DS-RP-A |
| Data Sharing-ReadProperty-B | DS-RP-B |
| Data Sharing-ReadPropertyMultiple-A | DS-RPM-A |
| Data Sharing-ReadPropertyMultiple-B | DS-RPM-B |
| Data Sharing-WriteProperty-A | DS-WP-A |
| Data Sharing-WriteProperty-B | DS-WP-B |
| Data Sharing-WritePropertyMultiple-A | DS-WPM-A |
| Data Sharing-WritePropertyMultiple-B | DS-WPM-B |
| Data Sharing-COV-A | DS-COV-A |
| Data Sharing-COVP-A | DS-COVP-A |

2. Alarm and Event BIBBs

| | |
|---------------------------------|-----------|
| Alarm and Event-Notification-A | AE-N-A |
| Alarm and Event-ACK-A | AE-ACK-A |
| Alarm and Event-Alarm Summery-A | AE-ASUM-A |
| Alarm and Event-Information-A | AE-INFO-A |

3. Scheduling BIBBs

| | |
|--------------|---------|
| Scheduling-A | SCHED-A |
|--------------|---------|

4. Trending BIBBs

| | |
|---|---------|
| Trending-Viewing and Modifying Trends-A | T-VMT-A |
| Trending-Automated-Trend-Retrieval-A | T-ATR-A |

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-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-List Manipulation-A | DM-LM-A |
| Device Management-DeviceCommunicationControl-A | DM-DCC-A |
| Device Management-ReinitializeDevice-A | DM-RD-A |
| Device Management-Restart-A | DM-R-A |

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: 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_Typ | | - | |

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
 - 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.

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> ANSI X3.4 | <input type="checkbox"/> IBM™/Microsoft™ DBCS | <input checked="" type="checkbox"/> ISO 8859-1 |
| <input checked="" type="checkbox"/> ISO 10646 (UCS-2) | <input checked="" type="checkbox"/> ISO 10646 (UCS-4) | <input type="checkbox"/> JIS C 6226 |

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

