

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: 06.11.2025

Vendor Name: KSB Aktiengesellschaft

Product:

Name	Model Number	Application Software Version	Firmware Version	BACnet Protocol Revision
Fieldbus Device for EtaLine Pro		>= 2.0.6	111899	22

BACnet Standardized Device Profile (Annex L):

☒ BACnet Application Specific Controller (B-ASC)

BACnet Interoperability Building Blocks Supported (Annex K):

Data Sharing BIBBs:

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 Change Of Value-B	DS-COV-B

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-B	DM-DOB-B
Device Management DeviceCommunicationControl-B	DM-DCC-B
Device Management TimeSynchronization-B	DM-TS-B
Device Management ReinitializeDevice-B	DM-RD-B
Device Management Backup and Restore-B	DM-BR-B
Device Management List Manipulation-B	DM-LM-B

Alarm and Event Management BIBBs:

Alarm and Event Management Notification-Internal-B	AE-N-I-B
Alarm and Event Management-Acknowledge-B	AE-ACK-B
Alarm and Event Management Information-B	AE-INFO-B
Alarm and Event Management-Configurable Recipient Lists-B	AE-CRL-B

Segmentation Capability:

☒ Able to transmit segmented messages Window Size 4
☒ Able to receive segmented messages Window Size 4

Standard Object Types Supported:

An object type is supported if it may be present in the device. For each standard Object Type supported provide the following data:

- 1) Whether objects of this type are dynamically creatable using the CreateObject service
- 2) Whether objects of this type are dynamically deletable using the DeleteObject service

Object type	Dynamically Creatable	Dynamically Deletable
Analog Input	No	No
Analog Value	No	No
Binary Input	No	No
Binary Value	No	No
Device	No	No
File	No	No
Multistate Input	No	No
Multistate Value	No	No
Notification Class	No	No
Network Object	No	No
BitString Value	No	No
Positive Integer Value	No	No

- 3) List of the optional properties supported
- 4) List of all properties that are writable where not otherwise required by this standard
- 5) List of all properties that are conditionally writable where not otherwise required by this standard

Object type	Optional properties supported	Writable properties
Analog Input	Description Device_Type Min_Pres_Value Max_Pres_Value Resolution Update_Interval Reliability COV_Increment	Object_Name Present_Value Description Out_Of_Service COV_Increment
Analog Value	Description Reliability Priority_Array Relinquish_Default Min_Pres_Value Max_Pres_Value Resolution Current_Command_Priority COV_Increment	Object_Name Present_Value Description Out_Of_Service Relinquish_Default COV_Increment
Binary Input	Description Device_Type Reliability Inactive_Text Active_Text	Object_Name Present_Value Description Out_Of_Service Inactive_Text Active_Text

Binary Value	Description Reliability Inactive_Text Active_Text Priority_Array Relinquish_Default Current_Command_Priority	Object_Name Present_Value Description Out_Of_Service Inactive_Text Active_Text Relinquish_Default
Device	Location Description Apdu_Segment_Timeout Max_Segments_Accepted Local_Time Local_Date Max_Master Max_Info_Frames Configuration_Files Last_Restore_Time Backup_Failure_Timeout Backup_Preparation_Time Restore_Preparation_Time Restore_Completion_Time Backup_And_Restore_State Active_COV_Subscriptions Last_Restart_Reason Time_Of_Device_Restart Restart_Notification_Recipients Active_Cov_Subscriptions	Object_Identifier Object_Name Location Description Apdu_Timeout Apdu_Segment_Timeout Max_Master Max_Info_Frames Backup_Failure_Timeout
File	Description	Description Archive
Multistate Input (without intrinsic reporting)	Description Device_Type Reliability Number_of_States State_Text	Object_Name Present_Value Description Out_Of_Service
Multistate Input (with intrinsic reporting)	Description Device_Type Reliability Number_of_States State_Text Time_Delay Notification_Class Alarm_Values Fault_Values Event_Enable Acked_Transitions Notify_Type Event_Time_Stamps Event_Detection_Enable Time_Delay_Normal	Object_Name Present_Value Description Out_Of_Service Time_Delay Notification_Class Alarm_Values Fault_Values Event_Enable Notify_Type Event_Detection_Enable Time_Delay_Normal
Multistate Value	Description Reliability Number_of_States State_Text Priority_Array Relinquish_Default Current_Command_Priority	Object_Name Present_Value Description Out_Of_Service Relinquish_Default

Notification Class	Description	Object_Name Description Priority Ack_Required Recipient_List
Network Port	Description Link_Speed Link_Speeds Mac_Address Max_Master Max_Info_Frames	Link_Speed Mac_Address Max_Master Max_Info_Frames

6) List of proprietary properties and for each its property identifier, datatype, and meaning

No

7) List of any property range restrictions

Object type	Property	Restriction
Device	Max_Master	minimum 1; maximum 127
	Max_Info_Frames	minimum 1; maximum 100
	Apdu_Timeout	minimum 300; maximum 30000
	Apdu_Segment_Timeout	minimum 100; maximum 25500
	Backup_Failure_Timeout	minimum 1; maximum 65535
Notification Class	Recipient_List	maximum list length: 5

BACnet Data Link Layer Options:

- ☒ MS/TP master (Clause 9)
- ☒ Master ☐ Slave
- ☐ Non-isolated transceiver ☒ Isolated transceiver
- ☐ Local 47K ohms bias resistors ☐ None ☐ Other: _____
- Transceiver unit loading: ☐ 1 ☐ 1/2 ☐ 1/4 ☐ 1/8
- Data rates: ☒ 9600 ☒ 19200 ☒ 38400 ☒ 57600 ☒ 76800 ☒ 115200

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

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