BACnet/IP Protocol for LabVIEW Protocol Implementation Conformance Statement Server

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4		T C	. •
	Common	Intorn	nation

Date: 18.01.2016

Vendor Name: Ovak Technologies

Product Name: BACnet IP server for LabVIEW

Product Model Number: BACnet IP for LabVIEW

Applications Software Version: $\underline{1.0.0}$ **Firmware Revision:** $\underline{1.0.0}$

BACnet Protocol Revision: 5

2. Product Description:

BACnet IP implementation in LabVIEW.

3. BACnet Standardized Device Profile (Annex L):

	BACnet Operator Workstation (B-OWS)
	BACnet Building Controller (B-BC)
	BACnet Advanced Application Controller (B-AAC)
X	BACnet Application Specific Controller (B-ASC)
	BACnet Smart Sensor (B-SS)
	BACnet Smart Actuator (B-SA)

4. List <u>all</u> BACnet Interoperability Building Blocks supported (Annex K):

DS-RP-B Read Property

DS-WP-B Write Property

DM-DDB-B Dynamic Device Binding

DM-DOB-B Dynamic Object Binding

DM-DCC-B Device Communication Control

DS-COVU-A,B UnconfirmedCOV

5. Which of the following device binding methods does the product support? (check one or more):

	Send Who-Is, receive I-Am (BIBB DM-DDB-A)
X	Receive Who-Is, send I-Am (BIBB DM-DDB-B)
	Send Who-Has, receive I-Have (BIBB DM-DOB-A)
	Receive Who-Has, send I-Have (BIBB DM-DOB-B)
	Manual configuration of recipient device's network number and MAC address
	None of the above

6. Segmentation Capability (check all that apply):

	window Size
Segmented requests supported	
Segmented responses supported	

7. Standard Object Types Supported:

7.1. Analog Input Object Type

1.	Dvnamicall	v creatable	using E	BACnet's	: CreateOb	iect service?
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2. Dynamically deletable using BACnet's DeleteObject service?

Yes		
Yes		

Window Ciro

3. List of optional properties supported:

Description	.				
4. List of all properties that are	writable where not otherwise	se required by this standard			
Object_Identifier					
Object Name					
Present Value					
5. List of proprietary propertie	s:				
Property Identifier					
6. List of any property value ra					
Property Identifier	Restrictions				
Tiet - Conn. demands - bie 4 ide	-4:C:	Ada 1i			
List of non-dynamic object ide Object Identifier	*	this device			
Object Identifier	Meaning				
7.2 Amala a Outmut A	Object Trues				
7.2. Analog Output (
1. Dynamically creatable using					
2. Dynamically deletable using		vice? Yes			
3. List of optional properties su	иррогтеа:				
Description		. 11 4 1 1			
4. List of all properties that are	e writable where not otherwis	se required by this standard			
Object_Identifier					
Object_Name					
Present_Value					
5. List of proprietary propertie		T.			
Property Identifier	Property Datatype	Meaning			
	1				
6. List of any property value ra	Restrictions:				
Property Identifier	Restrictions				
List of non-dynamic object ide	l ntifiers and their meaning in	this device			
	Meaning	this device			
7.3. Analog Value C	hiect Type				
		vice? Ver			
 Dynamically creatable using Dynamically deletable using 					
3. List of optional properties si	-	VICE! IES			
5. List of optional properties si	upporteu.				

Description						
4. List of all properties that are	writable where not otherwise	se required by this standard				
Object_Identifier						
Object Name						
Present Value						
5. List of proprietary propertie	s:					
Property Identifier	Property Datatype	Meaning				
6. List of any property value ra						
Property Identifier	Restrictions					
List of non-dynamic object ide	ntifiers and their meaning in	this daving				
	Meaning Meaning III	tins device				
Object Identifier	Meaning					
7.4. Binary Input Ob	riect Type					
1. Dynamically creatable using		vice? Vec				
2. Dynamically deletable using						
3. List of optional properties s		vice? <u>res</u>				
	ирропса.					
Description 4. List of all properties that are	writable where not otherwise	ca required by this standard				
Object Identifier	withable where not otherwis	se required by this standard				
· –						
Object_Name						
Present_Value						
5. List of proprietary propertie		h.g.				
Property Identifier	Property Datatype	Meaning				
6. List of any property value ra	nnge restrictions:	<u> </u>				
	Restrictions					
List of non-dynamic object ide	ntifiers and their meaning in	this device				
Object Identifier	Meaning					
7.5. Binary Output O	Object Type					
1. Dynamically creatable using		vice? Yes				
2. Dynamically deletable using						
3. List of optional properties s	List of optional properties supported:					

Description		
4. List of all properties that are	e writable where not otherwis	se required by this standard
Object Identifier		
Object Name		
Present Value		
5. List of proprietary propertie	es:	
Property Identifier	Property Datatype	Meaning
6. List of any property value ra	Ť	
Property Identifier	Restrictions	
List of non-dynamic object ide	entifiers and their meaning in	this device
Object Identifier	Meaning	uns device
object identifier		
7.6. Binary Value T	ype	
1. Dynamically creatable using		vice? Yes
2. Dynamically deletable using		
3. List of optional properties s		
Description		
4. List of all properties that are	e writable where not otherwis	se required by this standard
Object Identifier		
Object Name		
Present Value		
5. List of proprietary propertie	es:	
Property Identifier	Property Datatype	Meaning
		2
6. List of any property value ra		
Property Identifier	Restrictions	
List of non-dynamic object ide	ntifiers and their magning in	this dayion
Object Identifier	Meaning	uns device
Object identifier	- Tricaning	
7.7. Device Object 7	Cyne	
1. Dynamically creatable using		vice? Vec
2. Dynamically deletable using		
3. List of optional properties s		vice: 105
2. List of optional properties s	Tronca.	

Descri	ption			
4. List	of all properties that	at are writable where not other	rwise required by this standard	
-,	_Identifier			
	_Name			
	t_Value			
	of proprietary prop		h	
Proper	ty Identifier	Property Datatype	Meaning	
6. List	of any property val	ue range restrictions:		
Proper	ty Identifier	Restrictions		
List of	on-dynamic objec	t identifiers and their meanin	α in this device	
	Identifier	Meaning	g in this device	
- ~ j				
8. D	ata Link La	yer Options (check	all that are supported):	
Х	BACnet IP, (Anno	ex I)	,	
	. ,	ex J), Foreign Device		
	ISO 8802-3, Ethe	<i>,,</i>		
	ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)			
	ANSI/ATA 878.1	, RS-485 ARCNET (Clause 8	s), baud rate(s):	
	MS/TP master (C	lause 9), baud rate(s):		
	,	nuse 9), baud rate(s):		
	,	IA 232 (Clause 10), baud rate	()	
		nodem, (Clause 10), baud rate	e(s):	
	LonTalk, (Clause	11), medium:		
	Other:			
0 D		D' 1'		
		ess Binding:		
		pported? (This is currently no	ecessary for two-way communication with MS/TP slaves and	
certain	other devices.)			
l				
10.	Networkin	g Ontions (check a	all that are supported):	
10.		•	ons (e.g. ARCNET-Ethernet, Ethernet-MS/TP, etc.):	
		net Tunneling Router over U		
X		lcast Management Device (B		
X		registrations by Foreign Devi		
-				

11. Character Sets Supported (check all that apply):

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

	ANSI X3.4
	IBM [□] /Microsoft [□] DBCS
X	ISO 8859-1
	ISO 10646 (UCS-2)
	ISO 10646 (ICS-4)
	JIS C 6226

- 12. If this product is a communication gateway, describe the types of non-BACnet equipment/network(s) that the gateway supports:
- 13. Include any addition information about the product's BACnet capabilities relevant to interoperability: