



Envision™ for BACtalk®

BACNET PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT

Date: **January 13, 2005**
 Vendor Name: **Alerton**
 Product Name: **Envision for BACtalk**
 Product Model Number: **EBT**
 Application Software Version: **1.20**
 Firmware Revision: **n/a**
 BACnet Protocol Revision: **4**

Product Description

Alerton's Envision for BACtalk is a true Microsoft Windows-based operating system for facility management and control. It communicates with BACnet global and unitary controllers via BACnet Ethernet LAN connections.

Envision for BACtalk uses Microsoft Windows 98, 2000 or XP Graphical User Interface (GUI). The user can concurrently use Envision for BACtalk while working in other Windows programs.

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)

BACnet Interoperability Building Blocks Supported (Annex K):

DS-RP-A,B	AE-N-A	SCHED-A	T-VMT-A	DM-DDB-A,B	NM-CE-A
DS-RPM-A,B	AE-ACK-A		T-ATR-A	DM-DOB-A,B	
DS-WP-A,B	AE-INFO-A			DM-DCC-A,B	
DS-WPM-A,B	AE-ESUM-A			DM-OCD-A	
DS-COV-B				DM-TS-A	
				DM-UTC-A	
				DM-RD-A	
				DM-BR-A	
				DM-PT-A,B	
				DM-R-A	

Segmentation Capability:

- Able to transmit segmented messages Window Size: 1
- Able to receive segmented messages Window Size: 1

Standard Object Types Supported:

Analog Value

Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
Writable Properties:	Present_Value	
	Description	
	Units	
Proprietary Properties:	n/a	
Property Range Restrictions:	Units	Range: 0..65535

Binary Value

Dynamically Creatable:	No
Dynamically Deletable:	No
Optional Properties Supported:	Description
	Priority_Array
	Relinquish_Default
	Present_Value
Writable Properties:	Description
Proprietary Properties:	n/a
Property Range Restrictions:	n/a

Device

Dynamically Creatable:	No	
Dynamically Deletable:	No	
Optional Properties Supported:	Description	
	Local_Time	
	Local_Date	
	APDU_Segment_Timeout	
	Object_Name	
	Description	
Writable Properties:	APDU_Segment_Timeout	
	APDU_Timeout	
	Number_Of_APDU_Retries	
	Alerton 513	Datatype: CharacterString
Proprietary Properties:		Purpose: Diagnostics display
	APDU_Segment_Timeout	Range: 1000..60000
	APDU_Timeout	Range: 1000..60000
Property Range Restrictions:	Number_Of_APDU_Retries	Range: 0..16

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7), 10BASE2, 10BASET or 100BASETX
- ANSI/ATA 878.1, 2.5 Mb, ARCNET (Clause 8), coax
- ANSI/ATA 878.1, RS-485ARCNET (Clause 8), baud rate(s): 2.5M, 1.25M, 625k, 312k, 156k bps
- MS/TP master (Clause 9), baud rate(s): 76.8k, 38.4k, 19.2k, 9600 bps
- MS/TP slave (Clause 9), baud rate(s):
- Point-To-Point, EIA 232 (Clause 10), baud rate(s): 115.2k, 57.6k, 38.4k, 9600 bps
- Point-To-Point, modem (Clause 10), baud rate(s): 115.2k, 57.6k, 38.4k, 9600 bps
- LonTalk, (Clause 11), medium:
- Other:

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

Networking Options:

- Router, Clause 6, routing configurations:
- Annex H, BACnet Tunneling Router over IP
- BACnet/IP 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

Gateway to:

n/a