BACnet is a registered trademark of ASHRAE. ASHRAE does not endorse, approve or test products for compliance with ASHRAE standards. Compliance of listed products to the requirements of ASHRAE Standard 135 / ISO 16484-5 is the responsibility of the BACnet Interest Group Europe e. V. (B.I.G.-EU). BTL is a registered trademark of BACnet International (BI).

BACnet Testing Laboratories
Product Listing

This product has been tested at the BACnet Testing Laboratory WSPLab and found to comply with all the necessary interoperability requirements in place on the published test date. This listing represents the tested capability of the Listed Product. For information on additional functionality that was not covered in the test process, refer to the Manufacturer's PICS statement on the B.I.G.-EU website under "Product Catalogue".

Listing Information

Test Laboratory	Listing Status
WSP*Lab* Dr.-Ing. Harald Bitter Kapuzinerweg 7 D-70374 Stuttgart	Listed Product
Vendor	
DEOS control systems GmbH Birkenallee 113 48432 Rheine Germany	

Test Requirements	BACnet Protocol Revision	Date Tested
Requirements as of December 2007	Revision 4 (ISO 16484-5:2007)	December 2008

Product Name	Model Number	Firmware Revision
COSMOS OPEN	COSMOS 4000 OPEN, COSMOS 800 OPEN	1.042

Product Name	Link to PICS
COSMOS OPEN	see *"Product Catalogue"* on the B.I.G.-EU *website*

Device Profiles

Profile	Model Numbers
BACnet Building Controller (B-BC)	All Devices

BIBBs Tested

Data Sharing	ReadProperty-A	DS-RP-A
	ReadProperty-B	DS-RP-B
	ReadPropertyMultiple-A	DS-RPM-A
	ReadPropertyMultiple-B	DS-RPM-B
	WriteProperty-A	DS-WP-A
	WriteProperty-B	DS-WP-B
	WritePropertyMultiple-B	DS-WPM-B
	COV-B	DS-COV-B
	COV-Unsolicited-A	DS-COVU-A
	COV-Unsolicited-B	DS-COVU-B

Alarm and Event Notification	Notification Internal-B	AE-N-I-B
	ACK-B	AE-ACK-B
	Alarm Summary-B	AE-ASUM-B
	Information B	AE-INFO-B

Scheduling	Internal-B	SCHED-I-B
	External-B	SCHED-E-B

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

Device and Network Management	Dynamic Device Binding-A	DM-DDB-A
	Dynamic Device Binding-B	DM-DDB-B
	Dynamic Object Binding-B	DM-DOB-B
	DeviceCommunicationControl-B	DM-DCC-B
	TimeSynchronization-B	DM-TS-B
	UTCTimeSynchronization-B	DM-UTC-B
	ReinitializeDevice-B	DM-RD-B
	Backup and Restore-B	DM-BR-B
	Connection Establishment-A	NM-CE-A

Object Type Support

Analog Input	Analog Output	Analog Value
Binary Input	Binary Output	Binary Value
Calendar	Device	File
Multi-State Input	Multi-State Output	Multi-State Value
Notification Class	Schedule	Trend Log

Data Link Layer Options

Media	Options
BACnet IP (Annex J)	
MS/TP master[1]	9600, 19200, 38400, 57600, 115200

[1] COSMOS 800 OPEN was tested in conjunction with the following RS-232 to RS-485 interface converter: Phoenix Contact PSM-ME-RS232/RS485-P

Networking Options

Networking Functionality	Media
Annex J BBMD	BACnet/IP

Character Set Support

ANSI X3.4