

# WSPCert Certificate

**No. BAC-0141-01**

WSPCert attests the conformance of the following BACnet implementation to the BACnet standard ISO 16484-5:2012. The attested conformance refers to the BACnet Interoperability Building Blocks (BIBBs) listed in the annex of this certificate.

The 4 BACnet Building Controllers (B-BC)

**TwinCAT BACnet/IP with  
CX8091, CX9020, CX5010 or CX5020**

with the software version:

**2.0.2.2**

of

**Beckhoff Automation GmbH**

Eiserstraße 5, 33415 Verl, Germany

has fulfilled the requirements according to the test standard ISO 16484-6, the BTL Test Plan 12.0 and the Certification Rules of the BACnet Interest Group Europe, see **MBS Test Report No. VG 2013\_8940**.

The certificate is valid  
until 2015/04/01



2014/03/28

Date of initial certification



Dipl.-Ing. G. Weinmann  
Head of Certification Body

## Annex to Certificate No. BAC-0141-01

The certification of the BACnet Implementations  
**TwinCAT BACnet/IP with CX8091 etc.**  
of **Beckhoff Automation GmbH**

refers to the BACnet Interoperability Building Blocks (BIBBs) listed below. BIBBs other than listed are not part of the certification.

<b>BACnet Interoperability Building Blocks</b>	
DS-RP-A	Data Sharing – Read Property – A
DS-RP-B	Data Sharing – Read Property – B
DS-RPM-A	Data Sharing – Read Property Multiple – A
DS-RPM-B	Data Sharing – Read Property Multiple – B
DS-WP-A	Data Sharing – Write Property – A
DS-WP-B	Data Sharing – Write Property – B
DS-WPM-B	Data Sharing – Write Property Multiple – B
DS-COV-A	Data Sharing – Change Of Value – A
DS-COV-B	Data Sharing – Change Of Value – B
AE-N-I-B	Alarm and Event – Notification Internal – B
AE-N-E-B	Alarm and Event – Notification External – B
AE-ACK-B	Alarm and Event – Acknowledgement – B
AE-INFO-B	Alarm and Event – Information – B
AE-ASUM-B	Alarm and Event – Alarm Summary – B
AE-ESUM-B	Alarm and Event – Event-Enrollment Summary – B
SCHED-I-B	Scheduling – Internal – B
SCHED-E-B	Scheduling – External – B
T-VMT-I-B	Trending – Viewing and Modifying Trends Internal – B
T-VMT-E-B	Trending – Viewing and Modifying Trends External – B
T-ATR-B	Trending – Automated Trend Retrieval – B
DM-DDB-A	Device Management – Dynamic Device Binding – A
DM-DDB-B	Device Management – Dynamic Device Binding – B
DM-DOB-B	Device Management – Dynamic Object Binding – B
DM-DCC-B	Device Management – Device Communication Control – B
DM-ATS-A	Device Management – Automatic Time Synchronization – A
DM-TS-A	Device Management – Time Synchronisation – A
DM-TS-B	Device Management – Time Synchronisation – B
DM-UTC-A	Device Management – UTC Time Synchronisation – A
DM-UTC-B	Device Management – UTC Time Synchronisation – B
DM-RD-B	Device Management – Reinitialize Device – B
DM-BR-B	Device Management – Backup and Restore – B
DM-R-B	Device Management – Restart – B
DM-LM-B	Device Management – List Manipulation – B
DM-OCD-B	Device Management – Object Creation and Deletion – B