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AMEV attestations for building automation - 18 BACnet vendors use the standardized procedures

The BACnet communication protocol occupies a prominent position in building automation. In order to support builders and planners in the use of BACnet in public buildings, the AMEV (Mechanical and Electrical Engineering Working Party of National, Regional and Local Authorities) has defined in the AMEV recommendation "BACnet 2007" for the first time the public sector requirements for vendor-neutral BACnet systems. Current tables of the available AMEV certificates and the meanwhile valid AMEV recommendations "BACnet 2017" and "Building Automation 2019" are available on the AMEV homepage:

<https://www.amev-online.de/AMEVInhalt/Planen/Gebaeudeautomation/>

By November 2019, 18 well-known vendors have had AMEV attestations issued for their BACnet automation stations. This is a visible sign that the recommendations issued by the AMEV for public-sector requirements in the field of building automation are being accepted by vendors and users. The vendor-neutral data communication possible with the BACnet protocol is an important prerequisite for economical solutions of building automation in public construction projects.

Technical background

The BACnet protocol is complex and demanding. It is constantly adapted to new technical developments. With the "BACnet 2011" update, AMEV, in consultation with the european organization BACnet Interest Group Europe (BIG-EU), has introduced the AMEV attestation, which enables interested BACnet vendors to ensure compliance with the AMEV profiles by their automation stations by using a standardized method.

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AMEV attestations significantly reduce the effort required to review offered devices to support the required BACnet features. If the client's specifications are in accordance with an AMEV profile, a repeat inspection will be dispensable upon presentation of the respective AMEV attestation.

Precondition of an AMEV attestation is the passing of the conformity test in accordance with DIN EN ISO 16484-6 by an accredited BACnet Test Laboratory (BTL). A certification body named by BACnet International is the WSPCert in Stuttgart. Here, the compliance test checks whether the BACnet functions are available in accordance with the intended AMEV profile.

AMEV and WSPCert jointly document the successful tests of an automation station in the AMEV attestation. The AMEV attestations have proven themselves in practice, as they simplify the vendor-neutral description of BACnet systems considerably and are an important contribution to the interoperability and quality management in BACnet systems.

The following building automation companies offer automation stations with an AMEV attestation: Beckhoff Automation GmbH, Delta Controls, DEOS AG, Distech Controls Inc., Frimat GmbH, Gesellschaft für Regelungstechnik und Energieeinsparung mbH, Johnson Controls Systems & Service GmbH, Honeywell GmbH, Kieback & Peter GmbH & Co. KG, Neuberger Gebäudeautomation GmbH, Saia-Burgess Controls AG, SAMSON AG, Sauter AG, Schneider Electric LCC, SE-Electronic GmbH, Siemens Switzerland AG, Tridium Inc., WAGO Kontakttechnik GmbH & Co. KG.

The AMEV thanks all involved organizations, companies and persons for the constructive cooperation.