



Interoperability

In the future, more and more devices will have the basic ability to communicate with each other. At the same time, it is important that these devices also speak the same language, i.e. are interoperable.

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VDE

Interoperability (IOP)

Cross-product IOP and uniform security standards are the foundation for marketing Smart Living products and applications. The VDE Institute offers comprehensive testing and conformity evaluation services for such applications.

To that end, the VDE Institute has developed a cloud-based testing platform. The VDE Test Suite 2.0 allows for remote-controlled testing of products for interoperability.

The VDE works with associations, energy suppliers, and manufacturers on standardizing interoperable systems and provides testing systems for communication tests.

The communication method, i.e. the messages sent and received by the connected devices, is different for the various use cases. As such, data formats and message templates for all the relevant messages of a use case are defined for the implementation of the tests. Whether the device in question passes the test is contingent upon certain pre-defined evaluation criteria. As such, tests are conducted to see if a connected device's sent messages are correct and whether it properly responds to received messages as well, among other things. After a successful test, you will receive our VDE "Tested Interoperability" feature certificate.

Please visit us online for more information



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