PRESS RELEASE

KNX LAUNCHES KNX STANDARD VERSION 3.0.4

New Energy Management features and enhanced testing for even greater interoperability

BRUSSELS – 22 AUGUST 2025 – *KNX Association is proud to announce the release of Version 3.0.4 of the KNX Standard to its manufacturer members. The KNX Standard – also known as the KNX Specifications – defines the complete set of rules, system features, supported media, and test procedures that ensure all KNX devices work together seamlessly. It is the essential reference for manufacturers when developing, testing, and certifying KNX products, guaranteeing the highest level of interoperability and reliability in the market. This latest update introduces major advancements in energy management capabilities and system testing, further strengthening KNX's position as the global standard for smart building solutions. From the end of August 2025, it will serve as the official reference for registration and certification. As a cherry on the cake, KNX has also released a ChatGPT specification navigator.*

New function blocks for Energy Management
Energy management is becoming an increasingly central pillar of KNX, enabling smarter, more sustainable, and cost-efficient buildings. In Version 3.0.4, this focus takes a major leap forward with the addition of the final Working Group Interworking–approved chapters on KNX Energy Management. These new specifications introduce a wide range of functional blocks for HVAC, eMobility, and Photovoltaics, for realization in both a Home Energy Management System (HEMS) as well as devices like heat pumps and eCar-charges piloted by a HEMS. This allows buildings to coordinate energy flows more intelligently – for example, redirecting surplus solar power to appliances or battery storage, or prioritizing electric vehicle charging during low-cost periods. The functional blocks also enable seamless integration of technologies such as battery storage systems, smart meters, and dynamic eMobility gateways, unlocking new levels of interoperability and efficiency across consumption, generation, storage, and charging.

Strengthened system test coverage
Version 3.0.4 also delivers a major boost to KNX system testing. The KNX Standard's test specifications have been significantly expanded and refined, ensuring more complete coverage of KNX Classic system features across all media, including TP, RF, IP, and secure communication. Central to this improvement is the enhancement of test templates for EITT – the standardized KNX tool used by manufacturers and KNX-accredited test labs worldwide to validate product compliance. These updates make it easier and more reliable for manufacturers to verify that their devices meet the highest quality and interoperability standards, further reinforcing KNX's reputation for robust and future-proof solutions.

Smart home and building solutions.
Global. Secure. Connected.

Join us
www.knx.org

PRESS RELEASE

Finding your way quicker in the KNX Standard

For making the life of developers and product managers easier in finding the relevant requirements for their intended KNX compatible products, KNX has launched a ChatGPT based KNX specification navigator. Wishing to develop a KNX TP product with system profile System B? Well, simply make use of this specification navigator to help you find all the relevant information! The navigator can be accessed here:
https://chatgpt.com/g/g-6788d59b855c8191a185557acb9776bc-knx-specifications-navigator

Further updates across the Standard Version 3.0.4

Other enhancements in this version include:

- Application Notes: Updates to accepted DPTs (AN188) and new definitions for IPv6 and Mode 3 status (AN233), with some older notes integrated directly into the relevant chapters.
- Hardware & Certification: Updates to installation requirements and the KNX product certification procedure.
- Application Descriptions: New chapters dedicated to Photovoltaics, HVAC for Energy Management Systems, and eMobility.
- Basic & System Components: Updated specifications for cables, connectors, and couplers.

Available now for KNX Members

KNX Standard v3.0.4 is available now for KNX Members via MyKNX. While this release is not subject to the IPR clearance process, it represents another important step in the ongoing evolution of KNX – empowering the industry with future-ready solutions for energy efficiency, interoperability, and innovation.

PHOTO MATERIAL

Printing of pictures permitted

Picture
KNX Standard 3.0.4 is now available for KNX Members

Smart home and building solutions.
Global. Secure. Connected.

Join **us**
www.knx.org

PRESS RELEASE

KNX Association cvba
De Kleetlaan 5 bus 11
B-1831 Brussels-Diegem
Belgium
Tel.: +32 (0) 2 775 85 90
Fax: +32 (0) 2 675 50 28
info@knx.org

www.knx.org

Press contact:
Heinz Lux
heinz.lux@knx.org

Press material:
www.knx.org/knx-en/
press-room

About KNX
KNX Association develops and promotes the KNX standard to offer smart home and building solutions on a worldwide scale, ranging from lighting and blind control to various security systems, heating, ventilation, air conditioning, monitoring, alarming, water control, energy management, smart metering as well as household appliances, audio/video and many more. All these building applications can be configured with a single, manufacturer independent design and commissioning tool (ETS), with a complete set of supported communication media (TP, PL, RF and IP) as well as an extension of the KNX technology towards the Internet of Things (KNX IoT). KNX is approved as a European (CENELEC EN 50090 and EN ISO 22510) and an International standard (ISO/IEC 14543-3). This standard is based on more than 35 years of experience in the market. Over 500 manufacturers worldwide from different application domains have more than 8,000 KNX certified product groups in their catalogues. The KNX Association has partnership agreements with more than 135,000 installation companies in 190 countries.

https://www.knx.org

Smart home and building solutions.
Global. Secure. Connected.

Join **us**
www.knx.org