

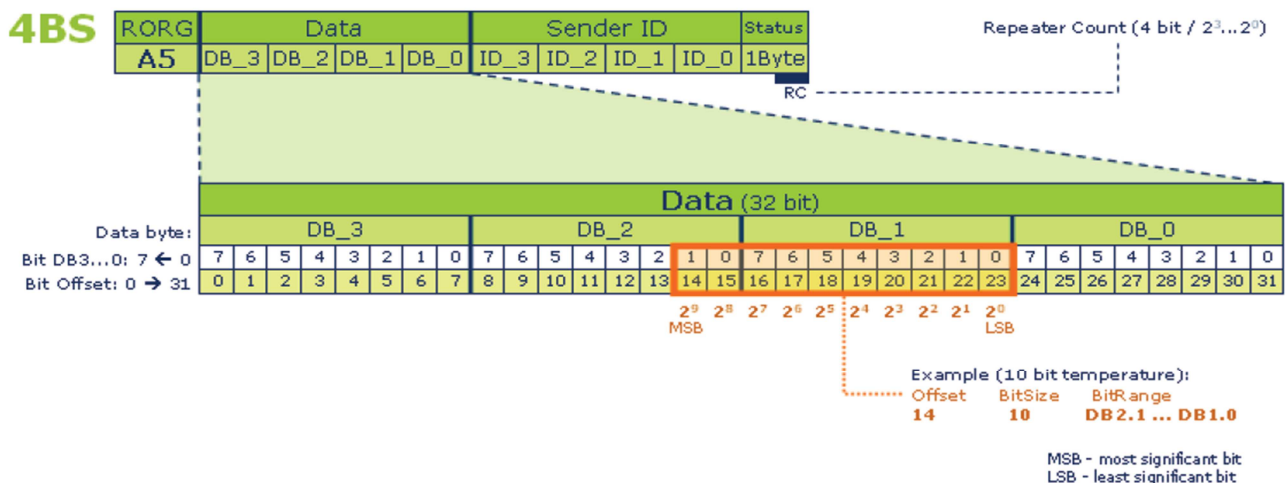


Fact Sheet EnOcean Equipment Profiles (EEP)

What is it about?

EEPs are one of the EnOcean Alliance's "languages" applied by devices communicating with each other. An EEP:

- describes the technical characteristics of a device,
- is optimized to transmit information with utmost reliability using extremely little power,
- defines the user data (payload) depending on the telegram type and the function of the device,
- is described by three elements:
 - R-ORG – the type of the radio telegram,
 - FUNC – basic functionality of the data content, and
 - TYPE – the individual characteristic of a particular device.
- is available to you as a machine-readable xml-file and a derived pdf-file



How do I benefit from it?

- You can offer products or solutions which are interoperable with the products and solutions of the EnOcean eco-system
- You hit the market faster at lower cost by applying our specification
- You have reduced efforts by a maximum re-use of profiles defined already
- You have lower development costs by applying the specification provided by the Alliance of a transparent, slim and energy efficient communication protocol

How does it look like?

- It is a machine readable xml-file which can be applied straight for development
- Accompanied by a pdf-view of this xml-file for human reading



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Where do I find the latest release?

You will find its latest release at

<https://www.enocean-alliance.org/what-is-enocean/specifications/>

Which information will I find there?

- Chapter 1: introduction to the structure of the document, to the types of telegrams defined including structure and addressing, and to the teach-in procedures available
- Chapter 2: is the catalogue of profiles approved so far, starting with RPS profiles (RePeated Switch), 1BS profiles (1 Byte Communication), 4BS profiles (4 Bytes Communication), and VLD profiles and profile families (Variable Length Data)
- Chapter 3: details the teach-in procedures defined, including Smart Acknowledgement (Smart Ack) and Universal Teach-in (UTE), and introduces to supplementing specifications like security, manufacturer specific telegrams and manufacturer ID

How can I find a specific profile for a dedicated purpose?

- The table of content links to the individual profiles
- The document follows the profile types – RPS, 1BS, 4BS, and VLD
- Within the profiles types 4BS and VLD – the most common ones - profiles with similar basic functionality are grouped together (FUNC). There are groups for all reasonable applications like switches, sensors, actuators, meters, controllers, operating panels and multi-purpose devices

Who can help?

- You do not find a profile suitable for your application/ require further information? As a participant member you can receive support at twg@enocean-alliance.org
- As a participant member you will find a template for a new profile submission at <https://www.enocean-alliance.org/what-is-enocean/specifications/>
- This template includes guidelines and a check-list
- The process for the submission of a proposal for a new profile is described at <https://www.enocean-alliance.org/what-is-enocean/specifications/>
- Support for developing a proposal for a new profile is provided by your chip / module supplier