

## Technical information

The eCMR software consists of three components: the eCMR data model, the eCMR instance, and the electronic seals. The eCMR instance, comprising the frontend and the backend with two eCMR APIs, forms the core of the software: companies can use it in either a “Full version” or a “Core version,” depending on their area of application and intended use.

### eCMR – Full version

This option includes **all components** from the Git repository.

**Recommendend for:**  
**Transport operators**

### eCMR – Core version

This option includes **selected components** from the Git repository.

**Recommendend for:**  
**Platform operators**

## eCMR data model

### eCMR instance

The fully operational eCMR instance, with an included eCMR process implementation, is a service for execution in a productive environment, incl. interface for integration of IT systems such as TMS/ERP. The instance can be adapted to own IT-infrastructures, UI/UX-design, and/or internal processes. The public API, including the data model, must not be changed, as this could affect compatibility with other eCMR instances.

#### Your modules:

- Frontend
- Backend
- API for sharing eCMRs with other instances
- API for importing eCMR (e.g. from TMS/ERP ...)

### eCMR API\*

The eCMR API defines the structure of the eCMR (data model) and the interfaces (API) for processing and exchanging eCMRs between transport partners. It can be used to extend existing IT systems, such as eCMR platforms, with interfaces that are compatible with the open source eCMR instance.

\* The API is defined by the openapi.yaml file

#### Your modules:

- (Backend)
- API for sharing eCMRs with other instances
- eCMR data model

## Electronic seals

- Signing eCMRs as legal entities (eIDAS compliant)
  - Verifying signed eCMRs
- Electronic seals must be supported for integration capability with other eCMR instances.



### **Further information**

Detailed information about the eCMR project and the eCMR software can be found at [www.openlogisticsfoundation.org/ecmr](http://www.openlogisticsfoundation.org/ecmr).

## **Contact**

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