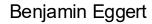
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eCMR - collaboration between all stakeholders

"Of course, every single company could have solved this technically on their own, but it was only as a group that we were able to create a legally and organisationally acceptable solution."

Member companies from Working Group Electronic Transport Documents of the Open Logistics Foundation



Current members of the working group

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What does it do?

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Concept

- Federated platforms exchanging eCMR documents using the unified eCMR data model
- No centralized instance, mediator or broker needed, everyone can become part of the network
- Usage of advanced electronic seals on company level to sign and validate eCMRs

Create

Uniformly create shipping documents for international carriage.

Edit

Modify documents in human and machinereadable format.

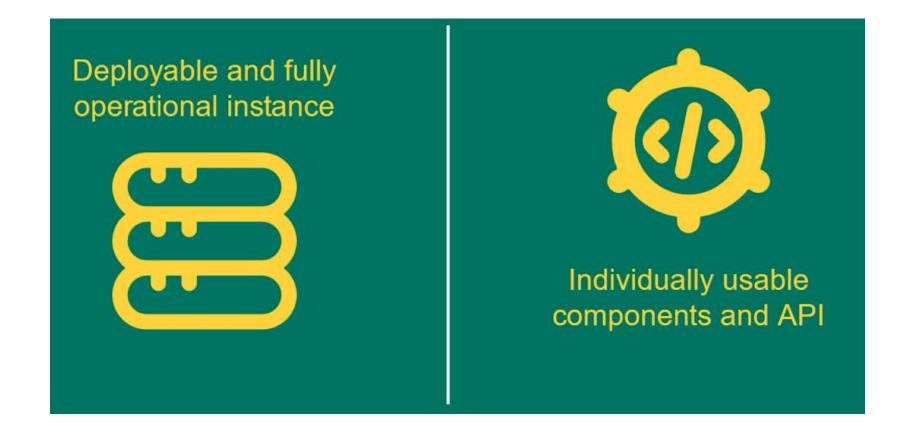
Save & Forward

Securely store and transmit documentation to relevant parties.

Archive

Maintain electronic records for compliance and reference.

What flavors does it come in and why?



Flavor One - Instance

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Includes all components from the repository

- 1. eCMR data model
- 2. eCMR instance
 - Frontend (optional, can be adjusted to YOUR UI design/company style guide)
 - Backend
 - API (using the eCMR data model) for sharing eCMRs with other instances
 - API (using the eCMR data model) for importing eCMR (e.g., from TMS/ERP)
- 3. Electronic seals
 - Signing eCMRs as legal entities (eIDAS conform)
 - Verifying signed eCMRs

Flavor Two - API



Selected components from the repository

- 1. eCMR data model
- 2. eCMR API
 - API (using the eCMR data model) for sharing eCMRs with other instances
 - API (using the eCMR data model) for importing eCMR (e.g., from TMS/ERP)
 - · The API is defined by the openapi.yml file
- 3. Electronic seals
 - Signing eCMRs as legal entities (eIDAS conform)
 - · Verifying signed eCMRs



That's nice but what have you actually done?

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Publishable results

- eCMR data model 1.0 (published)
- eCMR instance
- Frontend (published)
- Backend (published)
- API for the import/export of data (published)
- API for the authentication of users (published)
- eIDAS eSeals (published)

Completed activities

- •Apr 2025: Use Cases defined between Dachser, Markant, Rhenus, BlueYonder
- •May 2025: Collect + Go is the first eCMR service provider to implement our OS solution
- •Jun 2025: eCMR Brochure (incl. tech. description, legal FAQs)
- •Jun 2025: Press conference & Panel at Transport Logistic
- Aug 2025: New Sharing process finalised

That's nice but what are you going to do next?

Next planned activities

- •Large scale pilot including several LSPs, shippers and externals (subcontractors, customers, etc.)
- Decision: Management of eSeals
- •Release of API v1.0

That's nice but when are you going to do it?

