



e-Delivery

YOU ARE A PUBLIC ADMINISTRATION

What is the building block about?

e-Delivery is an architecture design that enables secure, reliable and asynchronous exchange of business data between organizations using existing national, sectoral or commercial messaging infrastructures, interconnected using communication gateways. e-Delivery is based on standards, meaning an e-Delivery solution can be built using compliant solution building blocks.

Why should I use it?

- e-Delivery allows you to share information and services with other public administrations or private sector entities electronically even if they are not connected to your national messaging infrastructure;
- e-Delivery is standardized and sector-neutral, you only need to connect once to an e-Delivery-capable communication gateway to reach a wide range of partners and support a wide range of use cases.

How can I use it?

In a typical scenario, you would be a member of an (international) community that has agreed to exchange certain types of electronic data to support a particular use case and that has agreed to use e-Delivery as an interconnect mechanism. You would contract with an e-Delivery gateway service provider that will communicate on your behalf with (the e-Delivery service providers of) your international partners. The gateway will cover the technicalities of e-Delivery, allowing you and your communication partners to focus on business process and content.

What kind of help can I get?

e-SENS provides and maintains architectural documents, technical specifications and implementation guidelines for e-Delivery and can help you understand and implement it. There are supported commercial and open source solutions (including one supported by the Commission) that implement (parts of) e-Delivery that you can use to deploy e-Delivery in your organization.



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YOU ARE A SERVICE PROVIDER

What is the building block about?

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Why should I use it?

- Offering e-Delivery connectivity will allow you to support your current and prospective customers who will increasingly be looking for e-Delivery services as more and more cross-border data exchange use cases adopt it.

How can I use it?

- To use e-Delivery, you will deploy software components that implement the architectural building blocks of e-Delivery, and establish connectivity to other e-Delivery service providers. These steps are to a large extent independent of particular domains or use cases, though you can also offer domain-specific added-value services, such as content mapping or validation;
- To serve a wide range of customers, you are likely to offer a variety of back-end integration or messaging bridging options. The options are not constrained by e-Delivery but may be standardized within your Member State.

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YOU ARE A SOFTWARE COMPANY OR A SOFTWARE DEVELOPER

What is the building block about?

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Why should I use it?

- Organizations that deploy e-Delivery (public administrations, private companies or service providers) need conformant software implementations;
- If you're a provider of messaging middleware, you can market your solutions to the above-mentioned organizations;
- If you're a provider of a (typically domain-specific) business application, you can use e-Delivery as a connectivity layer in your solution, allowing your customers to directly plug into the e-Delivery ecosystem.

How can I use it?

- If you've implemented e-Delivery in your software, you should test your product's conformance with the e-SENS technical specifications and implementation guidelines and test interoperability with your competitors' products. Then you can market your solutions to service providers, public administrations and other organizations that want to use an e-Delivery solution.

What kind of help can I get?

e-SENS provides and maintains architectural documents, technical specifications and implementation guidelines for e-Delivery and can help you understand and implement it. e-SENS also has a cluster focused on testing that can help you test your e-Delivery solution.