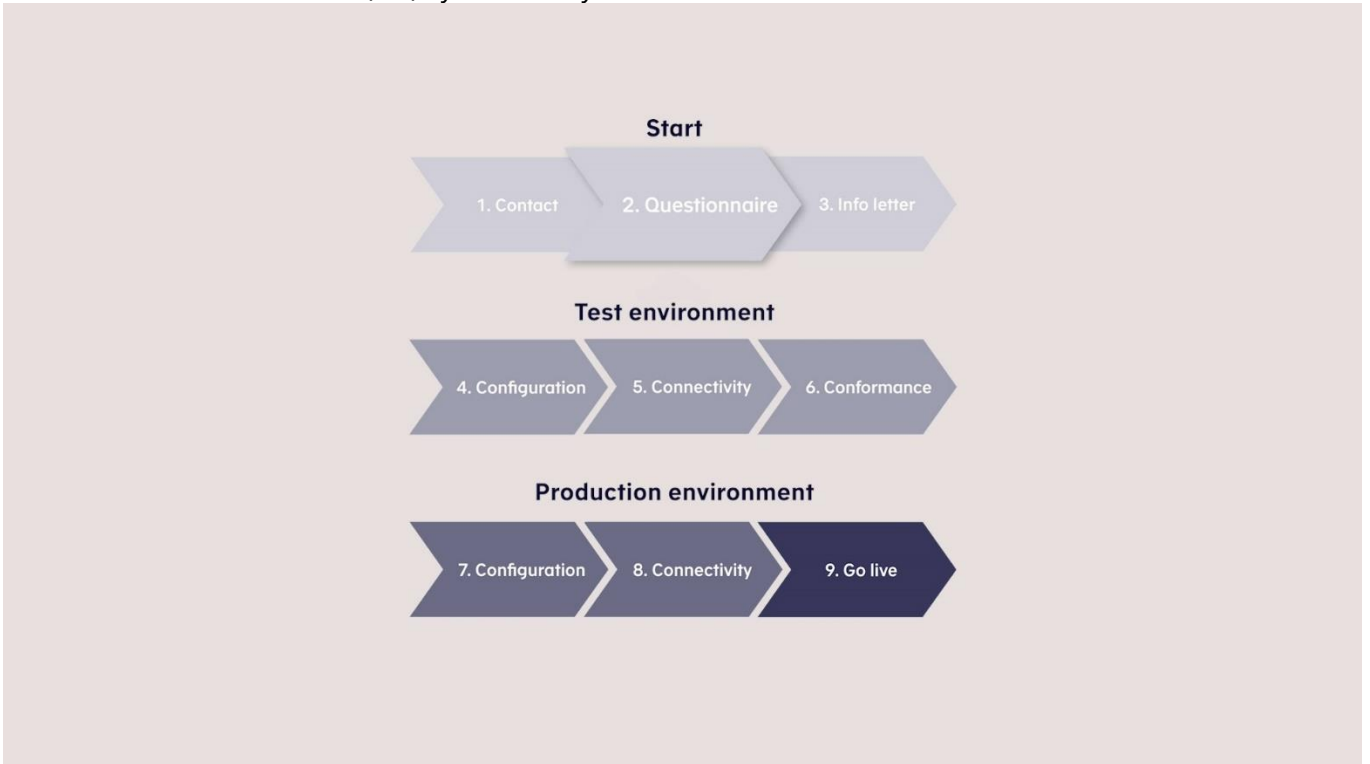


Guide to Certificates for ICS2 Onboarding



Version 1.0

You are currently at step 2, Questionnaire, in the onboarding process for the Shared Trader Interface (STI) system-to-system solution.



| Version control | | |
|-----------------|------|--------|
| Version | Date | Change |
| | | |

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Certificates for ICS2 Onboarding

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1.1 .Certificates for the System-to-System onboarding process

The System-to-System onboarding process requires a total of 4 certificates:

| Usage / Environment | Conformance Test | Production |
|--------------------------------|---|---------------------------------------|
| Transport Layer Security (TLS) | 3 rd party SSL certificate or MitID TEST certificate | 3 rd party SSL certificate |
| AS4 Message Signing | MitID TEST certificate | MitID PROD certificate |

1.2.Transport Layer Security (TLS)

All System-to-System communication between AS4 gateways is encrypted by using two-way SSL. The economic operator registers the public key of their SSL certificate when establishing their access points in the Conformance Test and production environments. [The public keys used by the EU can be found in the CircABC documentation.](#) The SSL certificates used can be issued by any commercial provider on the EU's List of Approved Certificate Authorities available on CircABC (the EU's public library).

1.2.1 Conformance Test

It is possible to use the "MitID TEST certificate" for Transport Layer Security (TLS) – but only in the Conformance Test environment.

1.2.2 Production

If a 3rd party SSL certificate is used in the Conformance Test environment the same certificate can be used in Production.

1.3.AS4 Message Signing

All AS4 gateway messages are signed by a certificate authenticating the sender of the message. Economic operators onboarding through a Danish EORI number must use OCES3 MitID certificates issued by the Danish State for message signing. The Danish national Identity & Access Management System is called MitID, and two different types of MitID certificates are used based on the environment.

1.3.1 Conformance Test

To sign messages for the ICS2 Conformance Test environment, a MitID TEST certificate is required. This certificate is ordered at the beginning of the onboarding process by the Onboarding Management team and sent to the economic operator.

1.3.2 Production

To sign messages for the ICS2 production environment, a MitID PROD certificate is required. This certificate is obtained/purchased from the Danish authorities and requires that the economic operator is connected to MitID Erhverv.

There are two types of organizational certificates called organization certificate and system certificate. It is important that the correct type of certificate is obtained:

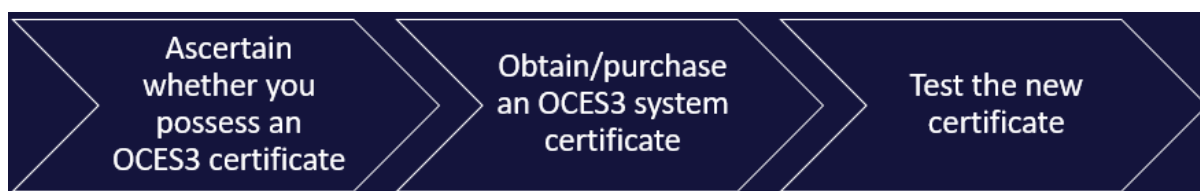
Organization Certificate

This type of certification is used to identify the organization when access to various services needs to be established with a service provider. Therefore, this certification is NOT relevant to System-to-System onboarding.

System Certificate

This type of certification is a specialization of the organizational certificate and is used to represent a specific system in your organization. It is therefore important that you obtain/purchase this type of certification when you begin the System-to-System onboarding process.

The MitID PROD system certificate can be ordered at MitID Erhverv, where a step-by-step guide is provided.



[Read more about the onboarding steps on toldst.dk](https://toldst.dk)

1.4.Foreign users

Economic operators possessing a Danish EORI number is eligible for ICS2 onboarding in Denmark even without being connected to MitID. However, onboarding to ICS2 requires a [MitID Erhverv certificate](#).

