

**Guidance for third parties within the scope of the
Datahub service**

21.10.2021



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Change history

Date	Version	Change
19 February 2021	1.0	First official version of the instructions in Finnish. The first, unofficial translation version published on 10 March 2021
12 July 2021	1.1	Clarification in section 4.1 related to the receiving of delegated messages
21 October 2021	1.2	Clarified the guidance for the process of signing service agreements for the operational activities of the datahub in sections 2.1 and 2.2. Clarified guidance for the authorised parties about starting operational activities in datahub.

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1 Introduction

This guidance provides a top-level description of the actions third parties and system vendors must take when they participate in the Datahub go-live phases and testing before the transition to full operation.

2 Third parties

Third parties (third party, service provider) may operate within the scope of the Datahub service, providing electricity market parties (distribution system operators and electricity suppliers) and end-customers with electricity retail market services via delegations and authorisations. In order to operate in Datahub, third parties must always be authorised to access the data, either on delegation from an electricity supplier or distribution system operator or with the authorisation of an end customer.

Electricity market parties who use third parties to handle certain electricity market processes on the Datahub system must declare this by sending a “Go-live” service request to the support service to Fingrid Datahub Oy (Datahub) at <https://support.datahub.fi/fingrid/>.

Electricity market parties must also state which Datahub processes the party has delegated to the delegated party/parties by sending this information via the support service.

2.1 Delegated party

Delegated parties are parties who provide electricity market services to electricity market parties on Datahub, such as the collection and delivery of metering data to Datahub on behalf of an electricity market party.

If the delegated parties provide electricity market parties with services on delegations during the various Datahub go-live phases in 2021 (including trial production runs 1 and 2 and the dress rehearsal), the delegated parties must also sign the following agreements with Datahub:

- Data migration service agreement <https://palvelut.datahub.fi/api/documents/file/0-228862-1-289241>
- Agreement on the use of test environments <https://palvelut.datahub.fi/api/documents/file/0-239087-2-307058>
- Go-live testing agreement <https://palvelut.datahub.fi/api/documents/file/0-243219-1-313119>

Delegated parties must also sign a delegated party’s service agreement when Datahub transitions to full operation. The service agreement of a delegated party and its appendix

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can be found in Datahub Services portal <https://palvelut.datahub.fi/fi/datahub/laskutus-ja-palvelusopimukset>.

The delegation party's services related to delegations are described in more detail in the document entitled "Electricity retail market business processes in Datahub" at <https://palvelut.datahub.fi/api/documents/file/0-232454-1-294929>. The relevant sections include section 3.9 DH-800 Authorisations and delegations.

Delegated parties must register their organisations with Datahub and on the Datahub system, and the electricity market party that orders the service allows the delegated party to act on its behalf in the agreed role and task. The delegated party is set up as a distinct party on Datahub with the market role, "Third party" (THP). In order to identify and set up the party, the delegated party must have its own GLN ID. Instructions on how to apply for a GS1 company ID and create a GLN ID are available at <https://palvelut.datahub.fi/api/documents/file/0-233044-1-295835>.

The delegated party must also be certified on Datahub's Testing and Certification Service (Tepa) to conduct the processes for which it will provide services to the electricity market party following the transition to full operation. If the electricity market party uses the delegated party during the Datahub go-live phases and testing before the transition to full operation, the delegated party is required to be certified before the transition to the phases concerned.

2.2 Authorised party

Authorised parties provide end customers with electricity market services via authorisations. One example of an authorisation is energy reporting for an end customer. An authorised party may submit the end customer's authorisations to Datahub if the customer is a company. If an authorised party provides services to a consumer customer, the consumer customer must submit the authorisation using Datahub's customer portal.

If the authorised parties so desire and if they have made an agreement concerning their involvement in the various Datahub go-live phases in 2021 (including trial production runs 1 and 2 and the dress rehearsal) with a company operating as an end-customer, the authorised parties must also sign the necessary agreements with Datahub. The agreements correspond to those described above regarding the delegated parties. If an authorised party's end-customers are all consumer customers, the party cannot participate in the Datahub go-live phases or testing.

Authorised parties must also sign an authorised party's service agreement when Datahub transitions to full operation. Service agreement of an authorised party and its appendix can be found in Datahub Services portal <https://palvelut.datahub.fi/fi/datahub/laskutus-ja-palvelusopimukset>.

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The services related to authorisations are described in more detail in the document entitled “Electricity retail market business processes in Datahub” at <https://palvelut.datahub.fi/api/documents/file/0-232454-1-294929>. The relevant sections include section 3.9 DH-800 Authorisations and delegations.

Authorised parties must register their organisations with Datahub and in the Datahub system and submit the authorisation details based on the end customer’s service to the Datahub system. Authorised party shall contact Datahub via [support service](#) when the party is starting its service to the end customers via authorisations. If the party does not have access to support service, the party can contact Datahub by e-mail datahub@fingrid.fi.

The authorised party is set up as a distinct party in Datahub with the market role, “Third party” (THP). In order to identify and set up the party, the authorised party must have its own GLN ID. Instructions on how to apply for a GS1 company ID and create a GLN ID are available at <https://palvelut.datahub.fi/api/documents/file/0-233044-1-295835>.

The authorised party must also be certified on Datahub’s Testing and Certification Service (Tepa) with regard to processes related to declaring company information authorisation. If the authorised party participates in the Datahub go-live phases and testing before the transition to full operation, the authorised party is required to be certified before the transition to the phases concerned.

2.3 System vendor

System vendors do not participate directly in electricity retail market services or processes on behalf of their customers. However, system vendors may offer their systems to customers in a centralised manner or handle message exchange to customer systems via their own integration platforms or similar systems (Software as a Service, SaaS).

System vendors must certify their systems for the processes supported by business applications. Business applications must be certified before the companies that use the applications can be certified.

3 Agreements related to the Datahub go-live phase

The parties must provide Datahub with the necessary information to the agreements required for the Datahub go-live phases (data migration service agreement, agreement on the use of test environments, and go-live testing agreement).

Instructions for completing the data migration service agreement are available at <https://palvelut.datahub.fi/api/documents/file/0-228863-1-289242>. After signing the data migration service agreement, the party will be set up in the data migration service (Titta), and the contact persons will be provided with the rights to use the service.

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With regard to the agreement on the use of test environments and the go-live testing agreement, the party must submit the information described below to Titta, after which the agreements will be sent to the party for electronic signing. If electronic signing is not possible, the agreement should be signed in the conventional way on paper.

The following information is required for the agreement on the use of test environments:

- The name and position of the person signing the agreement. In addition, the signatory's email address and mobile phone number are required for the electronic signature process.
- The name, position, phone number and email address of the Datahub testing contact person
- The name, position, phone number and email address of the company's Datahub administrator

The following information is required for the go-live testing agreement:

- The name and position of the person signing the agreement. In addition, the signatory's email address and mobile phone number are required for the electronic signature process.
- Information on the contact persons for the agreement: enter the contact details of a person who can be contacted in the event of questions relating to the go-live testing agreement
- Notifications related to the agreement: enter the company's operating address and an email address where the company can receive notifications concerning matters such as information security and data protection in relation to the agreement. If the email address is a personal email address, the name of the person should also be stated. If the email address is a shared address used by the company, the "Name" field can be left blank
- Information notifications: if the aforementioned information should also be delivered to another email address, enter the email address and the user of the address, if applicable, here in the same way as for the previous section. This section can also be left blank if it is not necessary to enter any other email addresses.

Parties are also advised to join our Datahub Support Service <https://support.datahub.fi/fingrid>. For this purpose, please send the details of your contact person to datahub@fingrid.fi.

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4 Technical interface

A third party uses Datahub's B2B message interface when it submits and retrieves data on behalf of its customer. The firewall must be configured to allow the party's IP addresses to connect to the B2B message interface, and an SSL certificate is required for the authentication of interface connections.

The IP address(es) that the party uses for interface traffic should be declared on the Titta data migration service in the "Datahub details" section by the third party before the deadlines indicated by Datahub.

The admin-user registered by the third party will receive an email containing a link to download the SSL certificate and a password for the certificate by text message. Only the certificate provided by Datahub may be used. Instructions for downloading the certificate are available at the Datahub services portal: <https://palvelut.datahub.fi/fi/datahub/dokumentointi-ja-materiaalit>.

When third party organisations are set up, an admin-user account is set up for the party to access the user interface. The admin-user may create other user accounts for its organisation as required. Instructions for creating user accounts: <https://palvelut.datahub.fi/fi/datahub/dokumentointi-ja-materiaalit>.

Fingrid Datahub creates the technical user needed for the B2B message interface on the Datahub system.

4.1 Delegated party

The delegated party needs its own SSL certificate for the Datahub B2B connection. The parties and the delegated party must reach a mutual agreement on the scope of the delegation (which processes the delegated party will handle on the party's behalf). The party must notify Datahub of such delegations so that the technical connection can be specified by the Datahub market operator.

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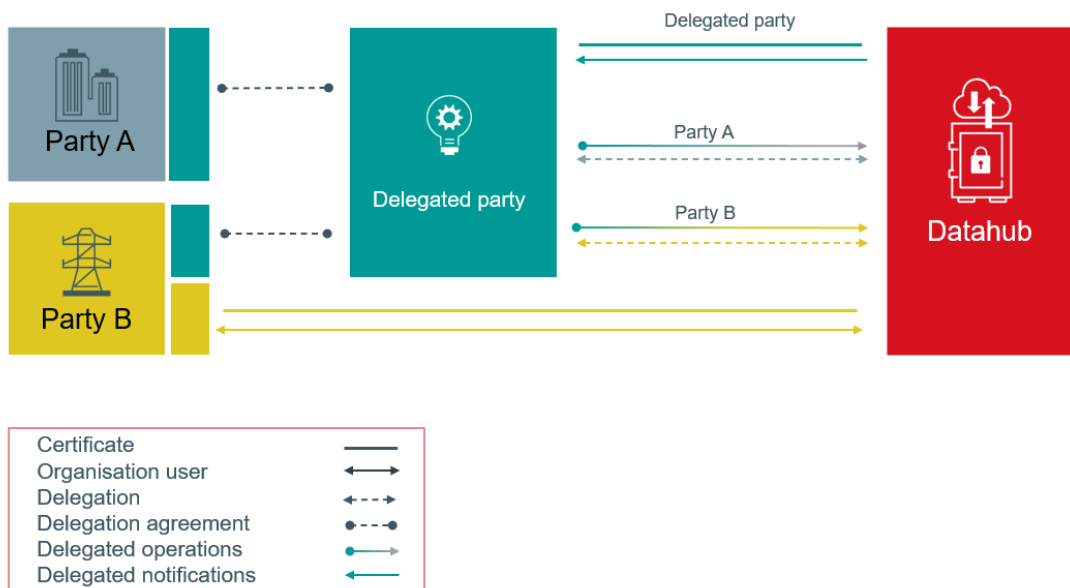


FIGURE 1 EXAMPLE OF A DELEGATION

The figure above shows two different parties delegating market processes to a third party. Party A delegates all of its processes, while party B delegates only some of its processes. In addition to the delegation, if party B uses the B2B message interface for the processes it manages by itself, it must obtain its own certificate. Party A does not need a Datahub SSL certificate for the B2B interface, as message exchange will be handled using the delegated party's certificate and B2B-connection. For the purpose of the message interface, the Datahub operator creates an Organisation User (with access rights) for the Party on Datahub (grey arrows), as well as delegations. Delegated party receives incoming messages / notifications delivered from the datahub to its own message queue based on the delegations. In the same queue, there are the messages of all the delegating parties.

4.1.1 Delegations

Based on the agreement between a market party and a delegated party, the parties define which events one party can handle on behalf of the other. Delegated parties are normally third parties who would not otherwise have access to Datahub. Delegations issued to one party by another enable the third parties of electricity market parties to connect to Datahub directly.

Delegations between parties can be issued for individual processes/Datahub events. The events reported to Datahub can be delegated to several parties, but outgoing events from Datahub can only be delegated to a single party. If an electricity market party has outsourced a function to a third party, the party communicates the delegation to Fingrid Datahub, including information on which data the party is entitled to access (e.g., customer and

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accounting point data and retrieval of this data) and which events it can invoke (e.g., delivery of metering data). Authorised parties are granted rights to Datahub processes in accordance with their delegations (such as delivering metering data or retrieving accounting point data). The electricity market parties notify the Datahub operator of the necessary delegations, and the operator updates the Datahub system accordingly. **Electricity market parties that use third parties are responsible for reporting delegations.**

Third parties operate on Datahub with their own system user accounts, and they obtain their own SSL certificates (provided by Datahub) for these accounts.

For delegated messages/events, the message has different juridical and physical senders so that it can be reliably inferred which party is behind the message. This makes it clearly visible that a service provider has acted on behalf of another party, thereby improving the traceability of events.

Delegations between parties cannot be assigned onwards to a third party. Therefore, a party that has received a delegation cannot pass on the delegations to a new party to access the same data or function for which it has received a delegation.

4.2 Authorised party

Authorised parties need their own interface connections to Datahub. The party needs its own SSL certificate and access rights for the interface connection (these are granted using the organisation user).

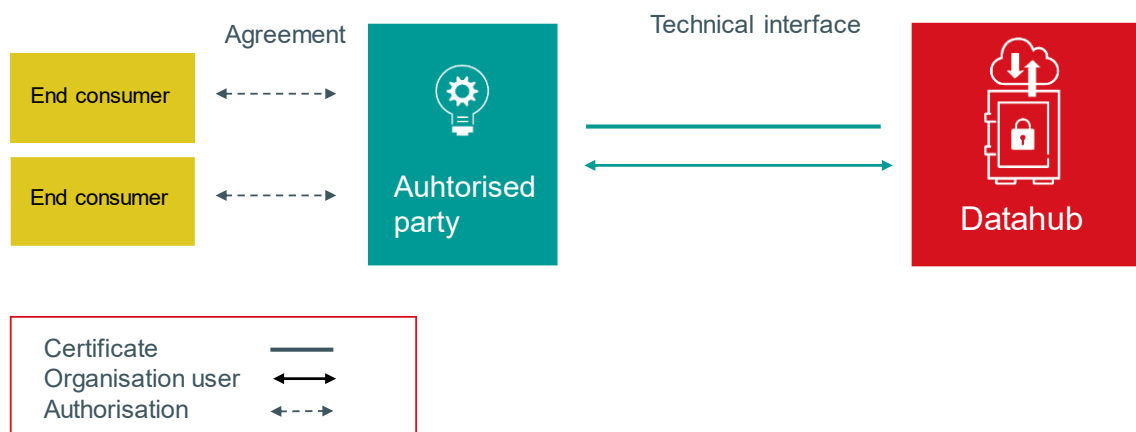


FIGURE 2 EXAMPLE OF AUTHORISATION

An end consumer (as a consumer-customer) notifies Datahub of an authorisation via the customer portal directly to Datahub. If the end consumer is a company, the company notifies the Authorised Party of the authorisation, and the Authorised Party notifies Datahub via its interface.

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4.3 System vendor (Software as a Service)

If one vendor has several customers to whom it provides software as a service, each party must use its own SSL certificate when it communicates via Datahub's B2B interface.

The system must, therefore, allow multiple certificates to be installed. In the figure below, the system is described in such a way that a dedicated system partition exists for each party. The user parties are denoted by symbols in different colours.

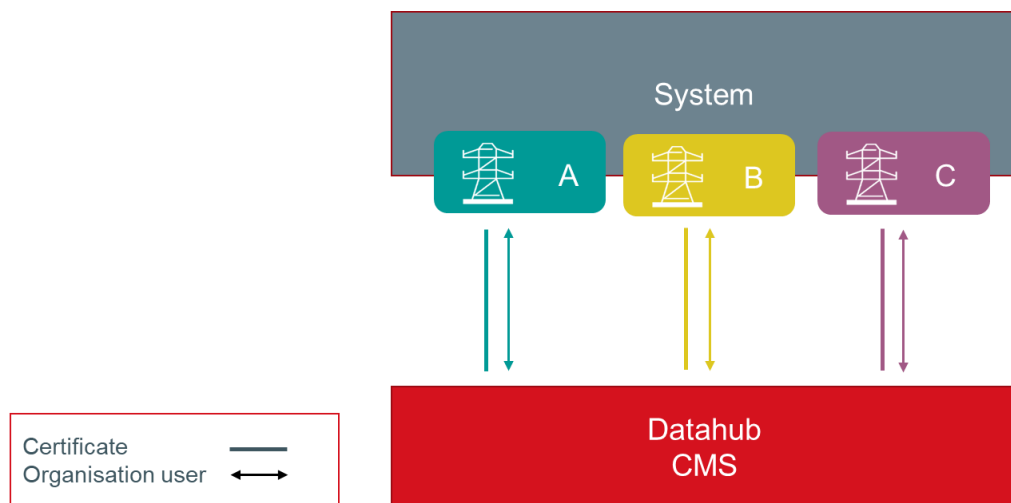


FIGURE 3 EXAMPLE OF DIFFERENT SYSTEM PARTITIONS

Each party using the system has its own SSL certificate and associated access rights via an Organisation User.

4.4 Combinations of the foregoing

Situations may arise in which parties from the same conglomerate or consortium use the same systems. The systems do not always fully support Datahub's requirements (in areas such as the separation of certificates), and this may require a hybrid solution to be used.

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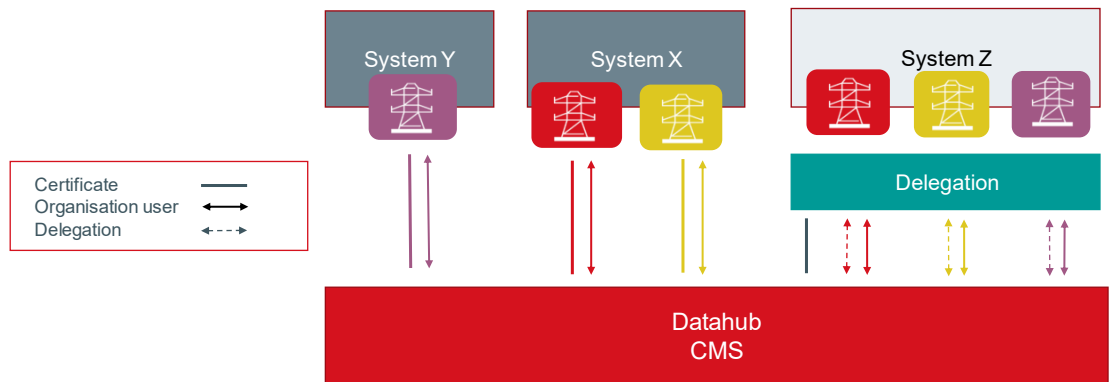


FIGURE 4 EXAMPLE OF A HYBRID MODEL

The colour codes in the figure always denote the same party. In the example, a consortium has two separate systems for processing customer data (systems Y and Z) and a shared system for managing systems metering data. However, the system for managing metering data (system Z) does not support multiple certificates. The situation has been resolved by creating a delegation in between. In the case shown in the figure, the delegation is issued to a third party, but delegations can also be made from two parties to one party. In such cases, only one party's certificate is needed to deliver the metering data, while access rights and delegations are created for the other companies.

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