

## Production plan reporting and information exchange

6.4.2023



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### Fingrid Oyj

Street address

Läkkisepäntie 21  
FI-00620 Helsinki

Postal address

P.O. Box 530  
FI-00101 Helsinki

Phone

+358 30 395 5000

Fax

+358 30 395 5196

Business Identity Code

FI10728943, VAT reg.

forename.surname@fingrid.fi

[www.fingrid.fi](http://www.fingrid.fi)

## Change log

Date	Version	Changes
20.06.2022	0.1	First draft
25.10.2022	1.0	First official version
18.11.2022	1.1	Added possibility to deliver production plans through the My Fingrid service
31.1.2023	1.2	Clarified the schedules of testing and start of production use, and added the necessary information for delivery via the ECP/EDX data exchange platform
6.4.2023	1.3	Updated the schedule of the testing period

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## 1 Introduction

This document provides technical guideline for the production plans submitted to Fingrid by the balance responsible parties in accordance with the Fingrid Oyj's general terms and conditions concerning balance management that will enter into force on 22 May 2023 and are still to be approved by the Energy Authority. The guideline does not repeat the content of the terms and conditions document but expands it from the point of view of technical implementation.

The delivery method described in the document as well as the structural and content requirements of the information are valid for 15-minute (quarter) production plans. The obligation to submit 15-minute production plans starts in Finland when the 15-minute imbalance settlement starts on 22 May 2023 01:00 (EEST).

Fingrid will offer a flexible time window of four weeks for the shift of balance responsible parties in the resolution of production plans from an hour to 15 minutes. Accordingly, the possibility to switch to 15-minute production plans starts on 24 April 2023.

In addition, during the period between 6 February and 14 April 2023, a test service is available enabling balance responsible parties to submit 15-minute production plans and thus receive feedback on the technical compliance of the production plans. In addition, if the production plans are submitted via the ECP/EDX data exchange platform, testing is possible until the start of the 15-minute imbalance settlement period.

The most important changes related to production plan reporting coming into force on 22 May 2023:

- Transition in the resolution of a production plan from 60-minute periods to 15-minute periods
- More accurate validation of the structure and content of a production plan
- End of support for the Ediel Delfor message format used today in the delivery of production plans
- Termination of support for message-based reporting related to production plans reported by Fingrid to balance responsible parties
- Possibility to submit production plans via the ECP/EDX data exchange platform alongside traditional EDI messaging
- Expanding the My Fingrid service to cover review, modification and submission of production plans by a balance responsible party. This replaces the previous LTJ-extranet service

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## 2 Delivery methods

15-minute production plans can be delivered

1. As EDI data exchange in the same way as hourly production plans through the external service used by Fingrid. In terms of processing the message, it is essential to ensure that the resolution is set to PT15M.
2. Through the ECP/EDX data exchange platform using the following identifiers

	ECP	EDX
<b>Recipient</b>	44V00000000019D (EIC-V)	SERVICE-FI-15MPP
<b>Service name</b>		FI-15MPP
<b>Message type</b>	PP-ERRP-PTA17-DTA14-15MIN	PP-ERRP-PTA17-DTA14-15MIN

More information about the ECP/EDX platform and its introduction:

- [https://www.fingrid.fi/en/electricity-market/reserves\\_and\\_balancing/reserve-trading-and-information-exchange/ecp-messaging2/](https://www.fingrid.fi/en/electricity-market/reserves_and_balancing/reserve-trading-and-information-exchange/ecp-messaging2/)
  - <https://ediel.org/nordic-ecp-edx-group-nex/market-actor-onboarding/>
  - Contact information: [ecp.support@fingrid.fi](mailto:ecp.support@fingrid.fi)
3. Manually through the browser-based user interface provided by the My Fingrid service. The service acts as a backup solution in the event of disruptions in the message-based delivery (EDI and ECP/EDX) of production plans.

## 3 Message format

When interpreting the schemas defining the data to be exchanged, it is essential to note that this document primarily defines the possible values of the attributes in cases where the limitations of the schema and the document are different.

All date and time related data is expressed in compliance with ISO 8601.

### 3.1 Submission

The message format of the 15-minute production plan submitted to Fingrid by the balance responsible party is ENTSO-E ERRP Planned Resource Schedule, version 5.0.

XML schema: urn:entsoe.eu:wgedi:errp:plannedresourcescheduledocument:5:0

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Schema available for download:

[https://www.entsoe.eu/Documents/EDI/Library/cim\\_based/archive/ERRP%20V5%20and%20older.zip](https://www.entsoe.eu/Documents/EDI/Library/cim_based/archive/ERRP%20V5%20and%20older.zip)

## Use of attributes

Attribute	Pcs	Content and description
Planned Resource Schedule Document	[1]	
Document Identification	[1]	Unique identification of the document
Document Version	[1]	1
Document Type	[1]	<b>A14</b> Resource Provider Resource Schedule
Process Type	[1]	<b>A17</b> Schedule day
Sender Identification	[1]	Unique identification of the party sending the production plan, one of the following <ol style="list-style-type: none"> <li>1. GLN ID → codingScheme = <b>A10</b> or</li> <li>2. ID in the Finland national coding scheme → codingScheme = <b>NFI</b></li> </ol>
Sender Role	[1]	<b>A08</b> Balance responsible party
Receiver Identification	[1]	Unique identification of Fingrid receiving the production plan, one of the following <ol style="list-style-type: none"> <li>1. <b>6420616416660</b> → codingScheme = <b>A10</b></li> <li>2. <b>FG</b> → codingScheme = <b>NFI</b></li> </ol>
Receiver Role	[1]	<b>A04</b> System operator
Creation Date Time	[1]	The date and time that the document was prepared for transmission by the balance responsible party. The required format is expressed in UTC:  YYYY-MM-DDTHH:MM:SSZ
Time Period Covered	[1]	The beginning and ending date and time of the period covered by the document. The required format is expressed in UTC:

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		YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ
Domain	[1]	<b>10YFI-1-----U</b> Finland
Planned Resource Schedule Time Series	[1..*]	
Time Series Identification	[1]	Unique identification of the Time Series (unique over time for the sender in question)
Business Type	[1]	<b>A01</b> Production
Product	[1]	<b>8716867000030</b> Active energy
Connecting Area	[1]	<b>10YFI-1-----U</b> Finland → codingScheme = <b>A01</b>
Resource Object	[1]	ID of the resource object in the Finland national coding scheme → codingScheme = <b>NFI</b>
Resource Provider	[1]	Unique identification of the resource provider (balance responsible party), one of the following  1. GLN ID → codingScheme = <b>A10</b> or 2. ID in the Finland national coding scheme → codingScheme = <b>NFI</b>
Measurement Unit	[1]	<b>MAW</b> MW
Object Aggregation	[1]	<b>A06</b> Resource Object
Period	[1..*]	
Time Interval	[1]	The start and end date and time of the time interval of the period in question. The required format is expressed in UTC:  YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ
Resolution	[1]	<b>PT15M</b> 15 min (quarterly resolution)
Interval	[1..*]	

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Pos	[1]	Position
Qty	[1]	Quantity Maximum resolution with an accuracy of 1 watt

## 3.2 Acknowledgment

The message format of the 15-minute production plan acknowledgment submitted by Fingrid to the balance responsible party is ENTSO-E Acknowledgement, version 6.0.

XML schema: urn:entsoe.eu:wgedi:acknowledgement:acknowledgementdocument:6:0

Schema available for download:

[https://www.entsoe.eu/Documents/EDI/Library/cim\\_based/archive/Acknowledgement%20V6%20and%20older.zip](https://www.entsoe.eu/Documents/EDI/Library/cim_based/archive/Acknowledgement%20V6%20and%20older.zip)

### Use of attributes

Attribute	Pcs	Content and description
Acknowledgement Document	[1]	
Document Identification	[1]	Unique identification of the document
Document Date Time	[1]	Date and time of transmission of the document. The required format is expressed in UTC: YYYY-MM-DDTHH:MM:SSZ
Sender Identification	[1]	Unique identification of Fingrid sending the acknowledgment document, one of the following <ol style="list-style-type: none"> <li>1. GLN ID → codingScheme = <b>A10</b> or</li> <li>2. ID in the Finland national coding scheme → codingScheme = <b>NFI</b></li> </ol>
Sender Role	[1]	<b>A04</b> System Operator
Receiver Identification	[1]	Unique identification of the party who is the recipient of the acknowledgement, one of the following <ol style="list-style-type: none"> <li>1. GLN ID → codingScheme = <b>A10</b> or</li> <li>2. ID in the Finland national coding scheme → codingScheme = <b>NFI</b></li> </ol>

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Receiver Role	[1]	<b>A08</b> Balance responsible party
Receiving Document Identification	[1]	Unique identification of the document that is received and must be acknowledged.
Receiving Document Version	[1]	<b>1</b>
Receiving Document Type	[1]	<b>A14</b> Resource Provider Resource Schedule
Date Time Receiving Document	[1]	Date and time of reception of the document. The required format is expressed in UTC:  YYYY-MM-DDTHH:MM:SSZ
Reason	[1..*]	
Reason Code	[1]	The supported reason codes in the acknowledgment document  <b>A01</b> Message fully accepted  <b>A02</b> Message fully rejected

## 4 Contact information

Questions related to the delivery of production plans can be sent to [tuotantosuunnitelmat@fingrid.fi](mailto:tuotantosuunnitelmat@fingrid.fi).

You can also send feedback and development suggestions about the document to the same address.

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