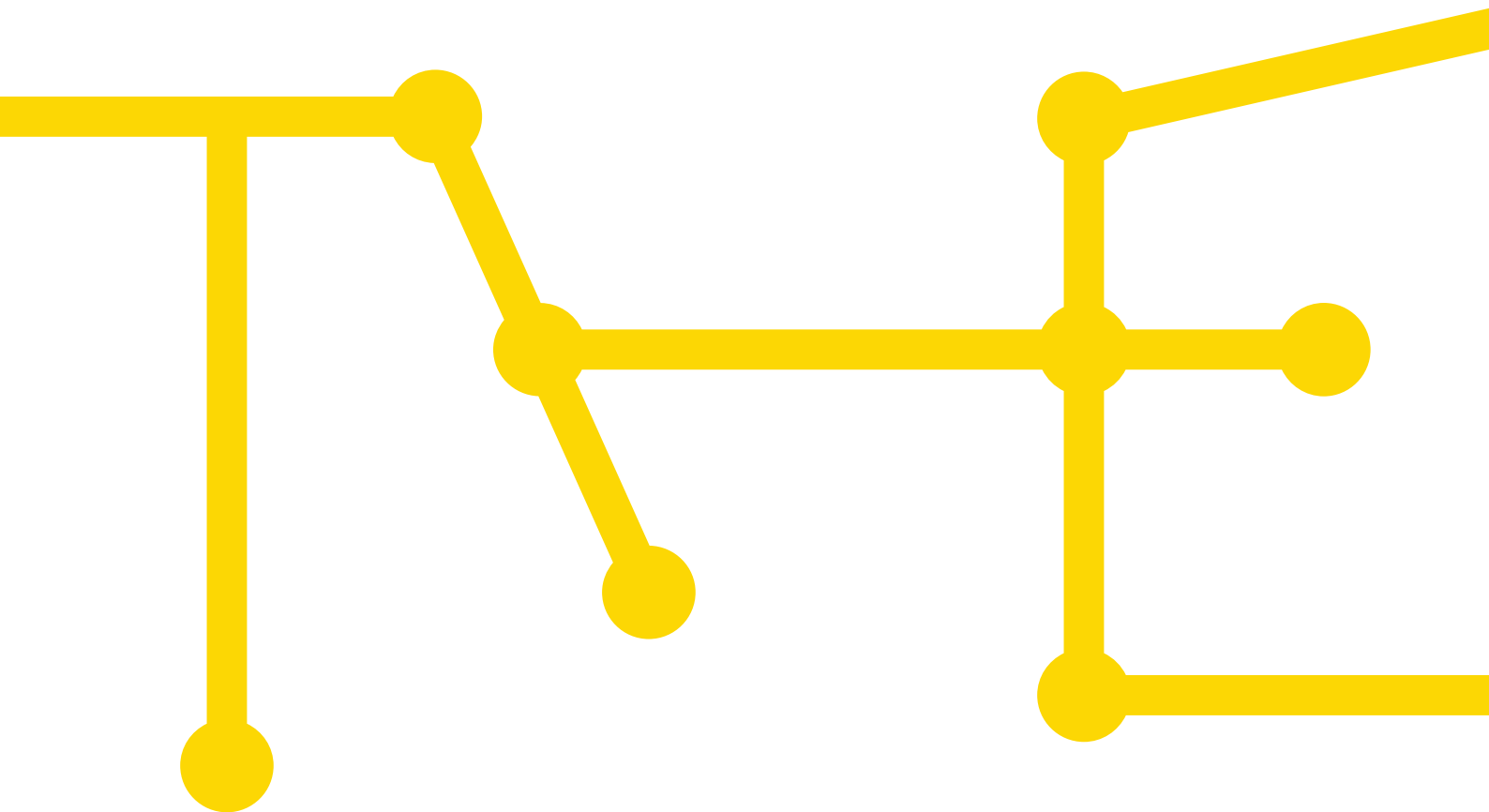


# **Quick guide for the electronic data transmission of bids for the balancing gas product Load Reduction to the Balancing Services Portal of THE**

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## **1. Bid submission for the LRD product**

On the Balancing Services Portal (BSP) of Trading Hub Europe GmbH (THE), THE invites to bid, among other things, for the balancing gas product Load Reduction (LRD). Prequalified balancing gas providers (hereinafter referred to as “provider”) can submit, modify, or delete LRD bids directly on the BSP.

Another option for submitting LRD bids is the electronic data transmission of LRD bids to THE. For the electronic data transmission of LRD bids a 1:1 communication connection (standard BSI-AS4) must exist between the provider and THE.

This document describes the electronic data transmission of LRD bids to THE.

## 2. Message „LoadReductionBidRequest“

Bids from a provider can be sent to the BSP (to THE and thus to the BSP) for an LRD tender using the "LoadReductionBidRequest" message.

General information about the bid:

| Field                                                      | Number  | Description                                                                                                                             |
|------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>messageld</b>                                           | 1..1    | Is assigned by the provider and is used to identify the message                                                                         |
| <b>company</b>                                             | 1..1    | DVGW code or GLN code and coding scheme of the balancing group manager (provider).<br>On the BSP: company code                          |
| <b>termsAndConditionsForSystemBalancingActionsAccepted</b> | 1..1    | Boolean value for accepting the terms and conditions for System Balancing Actions:<br>"true" for acceptance, "false" for non-acceptance |
| <b>createdDateTime</b>                                     | 1..1    | Time the message was created in the format YYYY-MM-DDTHH:MM:ss                                                                          |
| <b>Bid</b>                                                 | 0..5000 | Bids from the provider that are to be saved during the tender process will be considered.                                               |

Provide specific information about the bid:

| Field             | Number | Description                                                                      |
|-------------------|--------|----------------------------------------------------------------------------------|
| <b>id</b>         | 1..1   | Is assigned by the provider and serves to uniquely identify the bid per provider |
| <b>volume</b>     | 1..1   | Volume quantity in MW, only positive integer values                              |
| <b>volumeUnit</b> | 1..1   | Unit of volume quantity<br>Values: MW (fixed)                                    |
| <b>price</b>      | 1..1   | Price in EUR or EUR/MWh, only positive values including 2 decimal places         |
| <b>priceUnit</b>  | 1..1   | Unit for the price<br>Values: EUR or EUR_MWH (EUR/MWh)                           |

|                       |      |                                                                                                                                                                                                                                                     |
|-----------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>callDays</b>       | 1..1 | Number of call days, only positive integer values (1 to 8)                                                                                                                                                                                          |
| <b>runUpTimeHours</b> | 1..1 | Lead time in hours, only positive integer values (1 to 72)                                                                                                                                                                                          |
| <b>balanceGroup</b>   | 1..1 | Specification of the balancing group or balancing sub group<br><br>On the BSP, the coding of the balancing group / balancing sub-group is done when entering the bid in the "BK/SBK" column                                                         |
| <b>Zone</b>           | 1..1 | Specification of a sector or balancing zone (specifications of a balancing zone if no sector is required)<br><br>On the BSP, this is the alias of the balancing zone or sector when entering the bid in the "Zone" and if necessary "Sector" column |

Please note:

- When new LRD bids are received, previously sent LRD bids will be deleted.
- However, LRD bids that were submitted manually on the BSP or sent LRD bids that were manually adjusted on the BSP will not be deleted when new LRD bids are received.

## 2.1. Example

The following example assumes the following premises:

- The DVGW code of the balancing group manager (provider) is 1234567891234
- The messageID is LRD\_Bid\_Request\_1234

Two bids are sent from the provider to the BSP.

Bid No. 1:

- Bid ID: bid\_314159
- Volume: 100 MW
- Price: 135.05 EUR/MWh
- Call days: 3 days
- Lead time: 5 hours
- Balancing group: THE0BFH000000001
- Zone / Sector: HN

Bid No. 2:

- Bid ID: bid\_271828
- Volume: 90 MW
- Price: 125.000 EUR
- Call days: 2 days
- Lead time: 10 hours
- Balancing group: THE0184254126471
- Zone / Sector: NP1\_HN

```
<?xml version="1.0" encoding="UTF-8"?>
<LoadReductionBidRequest xmlns="http://www.tradinghub.eu/load-reduction-
bids">
  <messageId>LRD_Bid_Request_1234</messageId>
  <company codingScheme="EDI">1234567891234</company>
  <termsAndConditionsForSystemBalancingActionsAc-
  cepted>true</termsAndConditionsForSystemBalancingActionsAccepted>
  <createdDateTime>2025-01-10T10:39:12</createdDateTime>
  <Bid>
    <id>bid_314159</id>
    <volume>100</volume>
    <volumeUnit>MW</volumeUnit>
    <price>135.05</price>
    <priceUnit>EUR_MWH</priceUnit>
    <callDays>3</callDays>
    <runUpTimeHours>5</runUpTimeHours>
    <balanceGroup codingScheme="NDE">THE0184254126470</balance-
    Group>
    <zone>HN</zone>
  </Bid>
  <Bid>
    <id>bid_271828</id>
    <volume>90</volume>
    <volumeUnit>MW</volumeUnit>
    <price>125000</price>
    <priceUnit>EUR</priceUnit>
    <callDays>2</callDays>
    <runUpTimeHours>10</runUpTimeHours>
    <balanceGroup codingScheme="NDE">THE0184254126471</balance-
    Group>
    <zone>NP1_HN</zone>
  </Bid>
</LoadReductionBidRequest>
```

### 3. Message „LoadReductionBidResponse“

Information on the successful or unsuccessful processing of provider's submitted LRD bids is sent from the BSP to the provider via the "LoadReductionBidReponse" message.

Information on whether the data was successfully or unsuccessfully saved:

| Field                     | Number  | Description                                                                       |
|---------------------------|---------|-----------------------------------------------------------------------------------|
| <b>messageld</b>          | 1..1    | Is assigned by THE and is used to identify the message                            |
| <b>referenceMessageld</b> | 1..1    | Corresponds to the messageld of the LoadReductionBidRequest                       |
| <b>createdDateTime</b>    | 1..1    | Time of creation of the response message by THE in the format YYYY-MM-DDTHH:MM:ss |
| <b>Error</b>              | 0..100  | Global error, e.g. tender not found or company not accredited                     |
| <b>BidResult</b>          | 0..5000 | Result when saving a bid                                                          |

Information about whether a bid was saved successfully – otherwise an error message appears:

| Field                      | Number | Description                                                                                            |
|----------------------------|--------|--------------------------------------------------------------------------------------------------------|
| <b>bidId</b>               | 1..1   | Corresponds to the bidID assigned by the provider and serves to uniquely identify the bid per provider |
| <b>nominationQualifier</b> | 0..1   | Nomination qualifier, if the bid was successfully saved. This is assigned by THE                       |
| <b>BidError</b>            | 0..100 | Errors that prevented the bid from being saved                                                         |

#### 3.1. Example

The following example assumes the following premises:

- The DVGW code of the balancing group manager (provider) is 1234567891234.
- The messageID is LRD\_Bid\_Request\_4567.

Two bids were received on the BSP.

Bid No. 1:

- Bid ID: bid\_314160

- Volume: 100 MW
- Price: 90.05 EUR/MWh
- Call days: 2 call days
- Lead time: 6 hours
- Balancing group: THE0BFH0000000001
- Zone / Sector: HN

Bid No. 2:

- Bid ID: bid\_271829
- Volume: 90 MW
- Price: 12,000 EUR
- Call days: 10 call days
- Lead time: 4 hours
- Balancing group: THE0184254126471
- Zone / Sector: NP1\_HN

The following LoadReductionBidResponse is sent to the provider:

```
<?xml version="1.0" encoding="UTF-8"?>
<LoadReductionBidResponse xmlns="http://www.tradinghub.eu/load-reduction-
bids">
  <messageId>LRD_Bid_Response_4567</messageId>
  <referenceMessageId>LRD_Bid_Request_4567</referenceMessageId>
  <createdDateTime>2025-01-10T10:40:25</createdDateTime>
  <BidResult>
    <bidId>bid_314160</bidId>
    <nominationQualifier>TRADERLPHS0002</nominationQualifier>
  </BidResult>
  <BidResult>
    <bidId>bid_271829</bidId>
    <BidError>
      <code>CALL_DAYS_TOO_HIGH</code>
      <text>Call days must not be higher than 8</text>
    </BidError>
  </BidResult>
</LoadReductionBidResponse>
```

- ➔ Bid No. 1 (bid\_314160) was successfully processed and accepted.
- ➔ Bid No. 2 (bid\_271829) could not be accepted because the number of call days specified was too high.

**Trading Hub Europe GmbH**

EUREF-Campus 1

40472 Düsseldorf

datenmanagement@tradinghub.eu

T +49 (0) 211 542 000 – 401

F +49 (0) 211 552 000 – 418

[www.tradinghub.eu](http://www.tradinghub.eu)