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## **User Manual**



**OPERÁTOR TRHU S ELEKTŘINOU**

# **Registration of Realization Diagrams**

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## Abbreviations

<b>Abbreviation</b>	<i>Meaning</i>
<b>AC</b>	Automatic communication
<b>BM</b>	Block market
<b>CS OTE</b>	Central System OTE
<b>d</b>	day
<b>D</b>	Day of the physical realization of the product
<b>DB</b>	Database, generally
<b>DFS</b>	Dispensable financial security
<b>DM</b>	Day-ahead market
<b>RRD</b>	Registration of realization diagrams
<b>TS</b>	Transmission system
<b>ETSO</b>	European Transmission System Operators
<b>FS</b>	Financial security
<b>IS</b>	Informational System
<b>IS OTE</b>	Informational System of OTE
<b>m</b>	month
<b>OT</b>	Market Operator, generally
<b>OTE</b>	company Operátor trhu s elektřinou, a.s.
<b>y</b>	year
<b>RD</b>	Realization diagram
<b>RMP</b>	Registered market participant
<b>SFVOT</b>	System of financial settlement and risk management of the market operator
<b>SS</b>	Subject of settlement
<b>MM</b>	Market maker
<b>Web</b>	internet, web
<b>www</b>	internet, web



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## Reference

[1]	ESS, ETSO Scheduling System, Implementation Guide, Version 3 Release 1, 6.6.2007, <a href="http://www.ets-net.org/Activities/edi">http://www.ets-net.org/Activities/edi</a>
[2]	ESR, ETSO Status Request, Implementation Guide, Version 1 Release 1, 21.10.2003, <a href="http://www.ets-net.org/Activities/edi">http://www.ets-net.org/Activities/edi</a>
[3]	EAD, ETSO Acknowledgement Dokument, Implementation Guide, Version 5 Release 0, 19.11.2007, <a href="http://www.ets-net.org/Activities/edi">http://www.ets-net.org/Activities/edi</a>
[4]	ECC + ECL, ETSO General codelist for data interchange, Complete compilation of ETSO Code Lists used by ETSO XML Message, Version: 6, Release: 4, 27.1.2007, <a href="http://www.ets-net.org/Activities/edi">http://www.ets-net.org/Activities/edi</a>



## 1 INTRODUCTION

The subject of the document is to describe the module of the management of realization diagrams in the sub-module of Registration of Realization Diagrams through the web interface of Operátora trhu s elektřinou a.s. (OTE).

The document provides a detailed specification of the function of RD registration, validation criteria, viewing options, etc. The general instructions on how to access and use the web interface are specified in the document called *Web interface*.



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## **2 REGISTRATION OF REALIZATION DIAGRAMS**

The aim of this chapter is to provide an introduction to the users about the product Registration of Realization Diagrams and about the main business processes that surround the registration of domestic (domestic) and external (foreign) realization diagrams. This solution applies the ETSO standards on the basis of OTE's needs.

Within the new implementation the registration of RD is not only possible on the Subject of settlement (SS) level, but also on the level of registered market participant (RMP). Accordingly, this new approach enables the market participants to take advantage of a wider spectrum of possibilities (e.g. the registration of actual fixed diagrams with the help of a business module). In such cases, when none of the parties to the RD are SS, then the utilization of imbalances is processed through the superior body of SZ (see OTE's business conditions).

In comparison with the implementation of the registration of bilateral contracts, besides other changes, this new implementation involves the following amendments.

- Replacement of the terms (entities) of definition and realization, and all related functionalities, such as the responsibility of a party to announce the realization of RD, with a term of RD.
- Process support based on ETSO standards
- Registration of bilateral contracts, domestic and day-ahead ones, between the SS and RMP, which are not SS
- Registration of bilateral contracts, foreign and day-ahead and intraday ones, within the business module
- Continuous matching of diagrams with the Financial security (FS), at the moment of submitting the diagram by the counter party

### **2.1 The process of registration of realization diagrams**

The chapter specifies the business process of realization diagrams without giving a detailed description of its realization in the system.

The registration process of RDs may be divided into three basic and one supplementary part:

- Registration of day-ahead and domestic RDs,
- Registration of day-ahead and foreign RDs,
- Registration of intraday and foreign RDs and
- Identification of the status of diagrams (i.e. request diagram data with status description)



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In terms of processing the sending of messages the process specification mentions the following addressees:

- Sender of the request
- Parties to the diagram

In such case, when one of the parties to the diagram and the sender of the document of RD are the same participants (the case of a classical participant), the message (Anomaly report or Confirmation report) is delivered only once.

#### Registration of domestic day-ahead RDs

The registration of domestic day-ahead diagrams entails the receipt of those RDs from market participants that are realized within the Czech Republic. The processing of domestic RDs is done on the basis of the following rules:

1. After its receipt, the diagram is validated and the results of the validation process are announced (ESS.AcknowledgementReport)
2. The utilization of the imbalances of both parties takes place, unless the diagram of one of the counterparties has not been registered yet:
  - a. If the market participant, who is one of the parties to the diagram, is not a SS, then the utilization takes place for that SS, who is assigned for the RMP as “default”
  - b. Rejection or not rejection of a diagram, on the basis of insufficient FS, is managed according to the decision of OTE:
    - i. In the case of rejection of a diagram, due to insufficient FS, the business position of the parties is not adjusted. Both of the parties are informed about the failure of the creation of business positions through the message ESS.AnomalyReport.
    - ii. In the case of sufficient FS or the acceptance of the diagram, the matching process of RDs commences.
3. Continual matching of diagrams:
  - a. Matching takes place after the successful utilization of imbalances:
    - i. After the successful matching process the business position of both parties is adjusted on the basis of the respective RD. Both of the parties to the RD and the sender of the RD are informed through the message ESS.ConfirmationReport.
    - ii. After unsuccessful matching of diagrams the counterparties' business position is not modified. Both of the parties and the sender of the RD are informed about the discrepancies between the RDs through the message ESS.AnomalyReport.
  - b. If the diagram of counterparty has not yet been registered in the system, then the received diagram is registered without any changes to the business position of the respective market participant.





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#### 4. Replacement:

- a. Anomaly diagrams are saved in a document with a higher version. The version of changed or new time series will be in compliance with the new version of the document. The version of unchanged time series will not be changed (always lower than the new version of the document).
- b. Matched diagrams are saved as a document with a higher version. The version of changed or new time series will be in compliance with the new version of the document:
  - i. The new RD document will be replaced as soon as the new version of the counterparty's RD is delivered (the delivery of the diagram by the counterparty may be considered as a confirmation of the RD).
  - ii. At the moment the diagram of the counterparty is delivered,
    1. the part of business position that has been created as a result of the matching of the previous version of the diagram, is removed
    2. the utilization of FS is unlocked for the coverage of imbalances, which arose on the basis of the business position created after the matching the previous version of the diagram
    3. a new utilization for imbalances is established on the basis of the new RD that modified the business position of the respective market participants
  - iii. Rejection or non-rejection of a diagram due to insufficient FS will be managed on the basis of OTE's decision:
    1. If a diagram is rejected on the basis of insufficient FS, the business position of counterparties to the diagram remains unchanged. Both of the parties are informed about the failure to create a new business position on the back of insufficient FS, through the message ESS.AnomalyReport.
    2. In the case of sufficient FS or non rejection of a diagram with insufficient FS, a new business position is created for both of the counterparties. Both of the parties to the diagram are informed about the establishment of a new business position through a message ESS.ConfirmationReport.

#### 5. The process of registration of domestic RD's will be dividend into two phases:

- a. I. Main session: regular phase of the receipt of diagrams and their continual matching; consequently the announcement of the results – see Fig. 1 The process of registration of day-ahead domestic diagrams during the main session. This is further divided into the following processes:
  - i. Receipt and matching of RDs: this is a continual receipt and matching of diagrams, which is being done until the



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first deadline T1 (see below). Despite of the utilization of continual matching, in the case of insufficient FS the diagram is rejected, thus it may happen that until the last moment of the deadline T1 some of the RDs are not matched.

- ii. Final matching: a process of matching of those day-ahead domestic diagrams that have not been matched until the deadline T2. Owners of diagrams without counterparty receive anomalies.

- b. II. Corrective session: corrective phase of receipt of diagrams. During this phase the registration process of diagrams is similar to the process of registration during the main session, however only those diagrams will be accepted that were unsuccessfully matched during the main session on the back of discrepancies in the time frame or insufficient FS.

#### 6. Deadlines:

- a. T1 – Deadline for matching the RD's on D-1 (e.g. 13:30)
- b. T2 – Deadline for the announcement of the results of the registration process of RD's during the main session on D-1 (e.g. 13:45)
- c. T3 – Deadline for the receipt and matching of corrective RD's on D-1 (e.g. 15:00)
- d. T4 – Deadline for the announcement of the results of the registration process of RD's during the corrective session on D-1 (e.g. 15:15)



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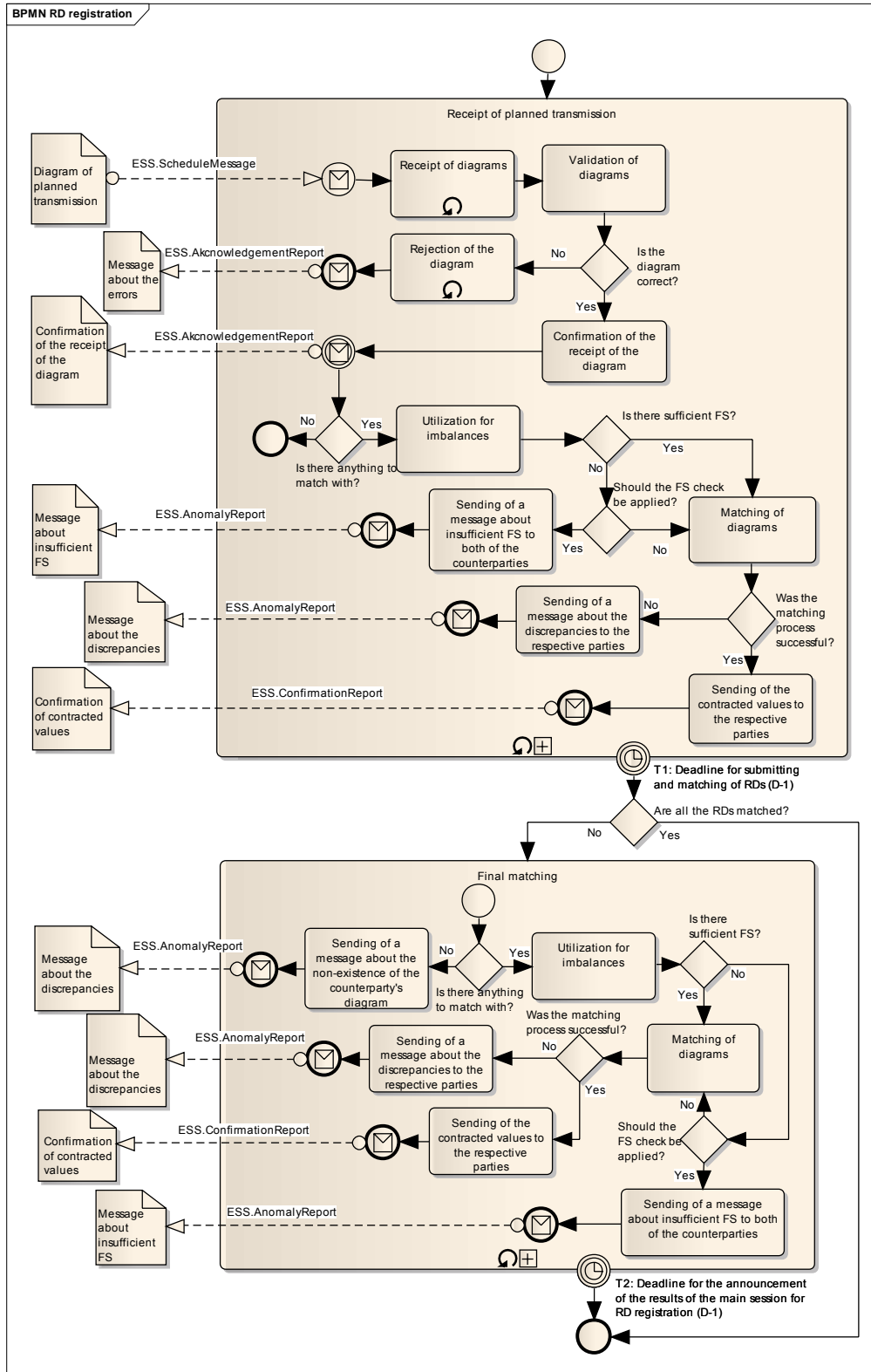


Figure 1 The process of registration of day-ahead domestic diagrams during the main session

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### 2.1.1 *Registration of day-ahead foreign diagrams on D-1*

The receipt of foreign diagrams is provided by ČEPS, who registers the RD at OTE by using the identification data of the counterparty. Consequently, the business position of the counterparty is adjusted on the basis of the submitted diagram – see Fig. 2 The process of registering day-ahead foreign diagrams. The registration of foreign diagrams is divided into the following processes:

1. Receipt of RDs: it is a continual receipt of day-ahead foreign diagrams, which takes place until the T5 deadline (see below). Even though it is a continual intake of diagrams and a confirmation of newly created business positions, in the case of insufficient FS and the rejection of diagrams without enough FS, it is possible that by the T5 deadline some of the RDs will not be matched.
2. Final matching: it is a process of confirmation of all those diagrams that have not been confirmed yet. The deadline of the final matching phase is T6 (see below). Those diagrams that have been previously cancelled due to insufficient FS are once again checked for FS coverage and then the respective results are distributed (message about the occurrence of discrepancies or confirmation of the contracted values).
3. Utilization of imbalances of both counterparties:
  - a. If one of the parties to the diagram is not a SS, then the utilization takes place for that SS, who is assigned for the RMP as “default”
  - b. Rejection or not rejection of a diagram, on the basis of insufficient FS, is managed on the basis of the decision taken by OTE:
    - i. In the case of rejection of a diagram, due to insufficient FS, the business position of the parties is not adjusted. Both of the parties are informed about the failure of the creation of business positions through the message ESS.AnomalyReport.
    - ii. In the case of sufficient FS or the acceptance of the diagram, both of the counterparties obtain a new business position. The counterparties are informed through the message of ESS.ConfirmationReport.
4. There is no matching of diagrams, as on the basis of ČEPS’ diagram a contracted position is created for both ČEPS and the market participant.
5. Deadlines:
  - a. T5: Deadline for submitting of day-ahead foreign diagrams on D-1 (e. g. 15:30)
  - b. T6: Deadline for informing the market participants about the results of the receipt of day-ahead foreign diagrams on D-1 (e. g. 15:45)



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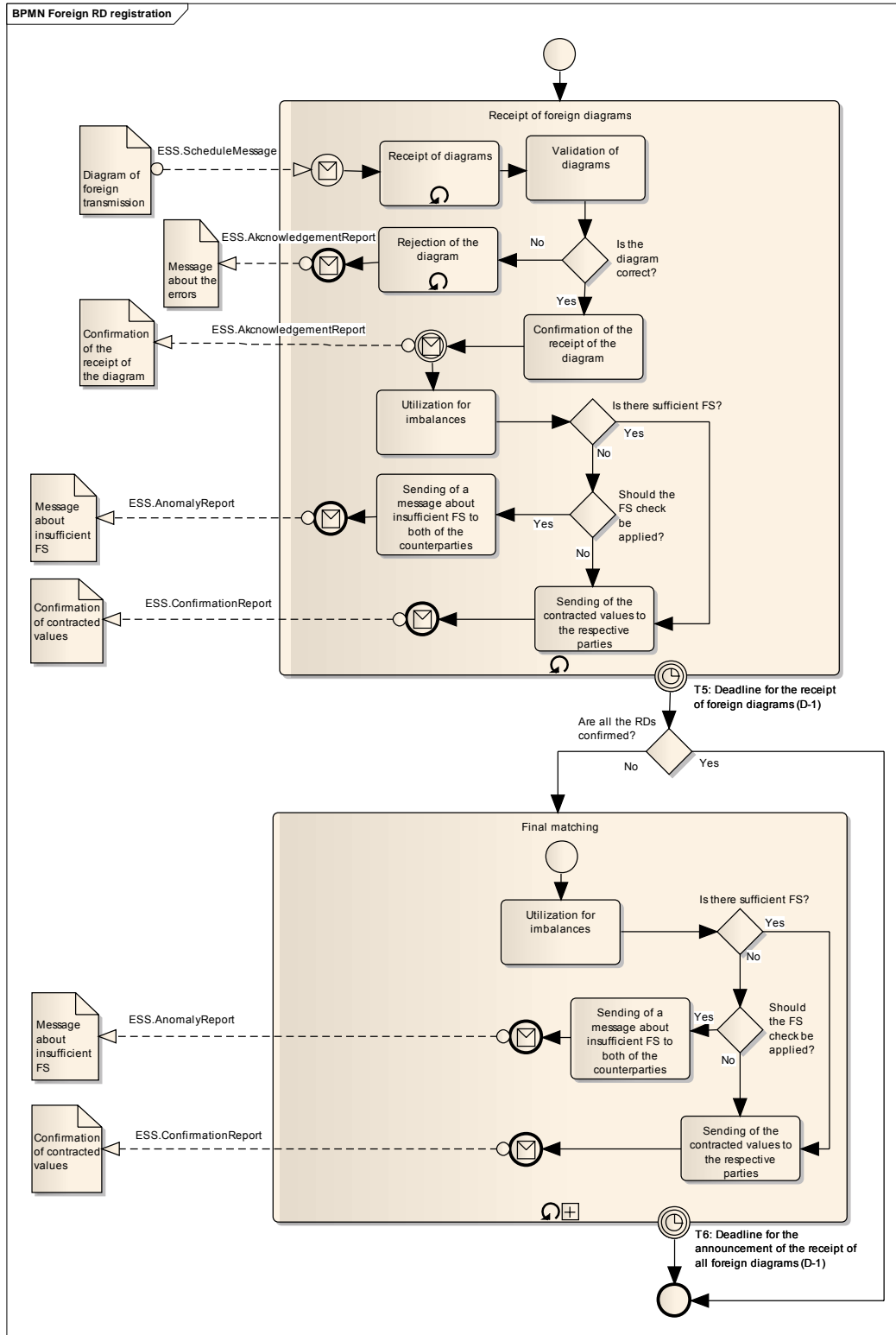


Figure 2 The process of registering day-ahead foreign diagrams



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### **2.1.2 Registration of foreign diagrams on day D**

The process of registering foreign diagrams on day D entails the receipt of intraday foreign diagrams by deadline T7 (see below) and, similarly to the matching of day-ahead foreign diagrams, the process of final matching (FS check) of these diagrams by deadline T8. The difference between matching the day-ahead and intraday foreign diagrams is the following:

1. For each day of supply and participant the TSO, on the basis of the amount of sessions, offers several RDs. The documents differ by matching period
2. Each document contains the full time range of the respective supply day
3. A document for a respective session does not change the transmission values of an already closed intraday session (for example an RD submitted after the end of the second session does not change the transmission values in the first session, as these values are historic and unchangeable)
4. The subject of transmission of intraday foreign RDs are all the registered day-ahead foreign diagrams plus the transmission diagrams of those intraday hours that have changed during the respective intraday session. Each valid intraday RD replaces the business position of foreign RD for each hour.
5. In each case the rejection of intraday RDs on the back of insufficient FS, the business position of foreign RD is cancelled (except those business positions that are the result of the day-ahead domestic RDs)
6. Final verification of the FS of intraday foreign RDs without confirmed contractual values after the closure of the I. part of the session (deadline T7) will be done only for the last submitted foreign RDs (for the last session).
7. Deadlines:
  - a. T7: Deadline for the receipt of foreign intraday diagrams on day D (e.g. 23:50)
  - b. T8: Deadline for announcing the results of the receipt of intraday foreign diagrams on day D (e.g. 23:59)

### **2.1.3 Status identification of diagrams**

Even though the registration of RDs is done through continual matching and consequent confirmation of successful registration of diagrams or description of discrepancies, there still might be a delay in the notification of the result of the transaction: if the diagram only of one of the counterparties is delivered, then the participant will get to know the result (confirmation/anomaly) only after the diagram of the counterparty has been delivered.

Furthermore, in the case of insufficient FS, the market participant must ensure the necessary matching of the diagram without having to send its newer version, when the participant will be informed about the result of the FS check and matching.



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Diagram status enquiry ensures that:

- The participant obtains the diagram description through AC (based on the diagram's status the description will be in a format of ConfirmationReport or AnomalyReport)
- The participant can make sure that his diagram is ready and waiting for the matching process (status description in a message format ConfirmationReport či AnomalyReport)
- **The participant may necessitate a rematch process (enforced matching), as soon as his FS limit has been increased to the necessary level (solution in a case of the rejection of the diagram on the back of insufficient FS)**

Generally, to learn about the status of a transaction, there is the process ESR defined in ETSO standards (ETSO Status Request) – see also [2]. For the registration process of RDs the same ETSO standard will be implemented:

1. The participant delivers a StatusRequest enquiry
2. If more RD documents of one pair of counterparties answer the enquiry:
  - a. If the documents are domestic and foreign RDs an answer is generated as an AcknowledgementDokument that indicates the errors
  - b. If the documents are foreign RDs then the foreign RD in question will be the one that has been registered last (day-ahead or intraday)
3. If multiple number of versions of a document answer the enquiry, then the document with the latest version will be considered
4. If the RD in question is the one that has been confirmed (matched):
  - a. The sender of the enquiry receives a ConfirmationReport
5. If the diagram in question is a domestic day-ahead diagram that has not been matched due to undelivered diagram of the counterparty:
  - a. until the T1 deadline (deadline for submitting diagrams on D-1), then the sender receives a response to the enquiry in a form of ConfirmationReport with an indication that the diagram has not been confirmed (missing diagram of the counterparty)
  - b. After the T1 deadline: then the sender receives a response to the enquiry in a form of AnomalyReport with an indication that the diagram of the counterparty is missing
6. If the diagram in question is not confirmed by the day-ahead domestic diagram of the participant and the diagram of the counterparty is registered (status that occurs due to insufficient FS):
  - a. If it is the last version of the document of the RD in question:
    - i. The utilization of imbalances takes place for both parties to the diagram:
      1. If none of the counterparties are SS, then the utilization takes place for that SS, which has been selected as “default”.
      2. Rejection or the non-rejection of diagrams on the back of insufficient FS will be managed on the basis of OTE's decision.



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- a. If the diagram is rejected due to insufficient FS then the business position of the participant is not created. Both of the parties to the diagram and the sender of the request are informed about the failure to create a business position through a message ESS.AnomalyReport.
      - b. In the case of sufficient FS or the non-rejection of the diagram, a respective business position of both of the counterparties is created. The respective participants and the sender of the request are informed through the message ESS.ConfirmationReport.
    - ii. Continual matching of diagrams:
      - 1. After the successful matching of diagrams the business position of both of the parties is modified. Both of the counterparties and the sender of the request are informed through a message ESS.ConfirmationReport.
      - 2. After unsuccessful matching of diagrams the business position of the parties is not modified. Both of the parties and the sender of the request are informed about the discrepancies in the RD through a message ESS.AnomalyReport.
  - b. If the RD in question is not the last version of the document:
    - i. then the sender of the request receives an AnomalyReport with an indication of not sufficient FS.
7. If the diagram in question is a foreign one that was received, but has not been confirmed yet (status that occurs in the case of insufficient FS):
- a. If it is a document of a foreign RD that has been delivered the latest
    - i. If it is the last version of a document of the RD in question:
      - 1. The utilization if imbalances of both parties will take place:
        - a. If either of the counterparties is SS, then the utilization will take place for that SS that has been delegated a “default” status
        - b. Rejection or non-rejection of the diagram due to insufficient FS will be managed on the basis of OTE’s decision.
      - ii. In the case of rejection of the diagram on the back of insufficient FS, there is no business position of the counterparties created. Both of the parties are informed about the failure to create a business position through a message ESS.AnomalyReport.
      - iii. In the case of sufficient FS or the choice of non-rejection of the diagram, a respective business position is created for both of the parties to the





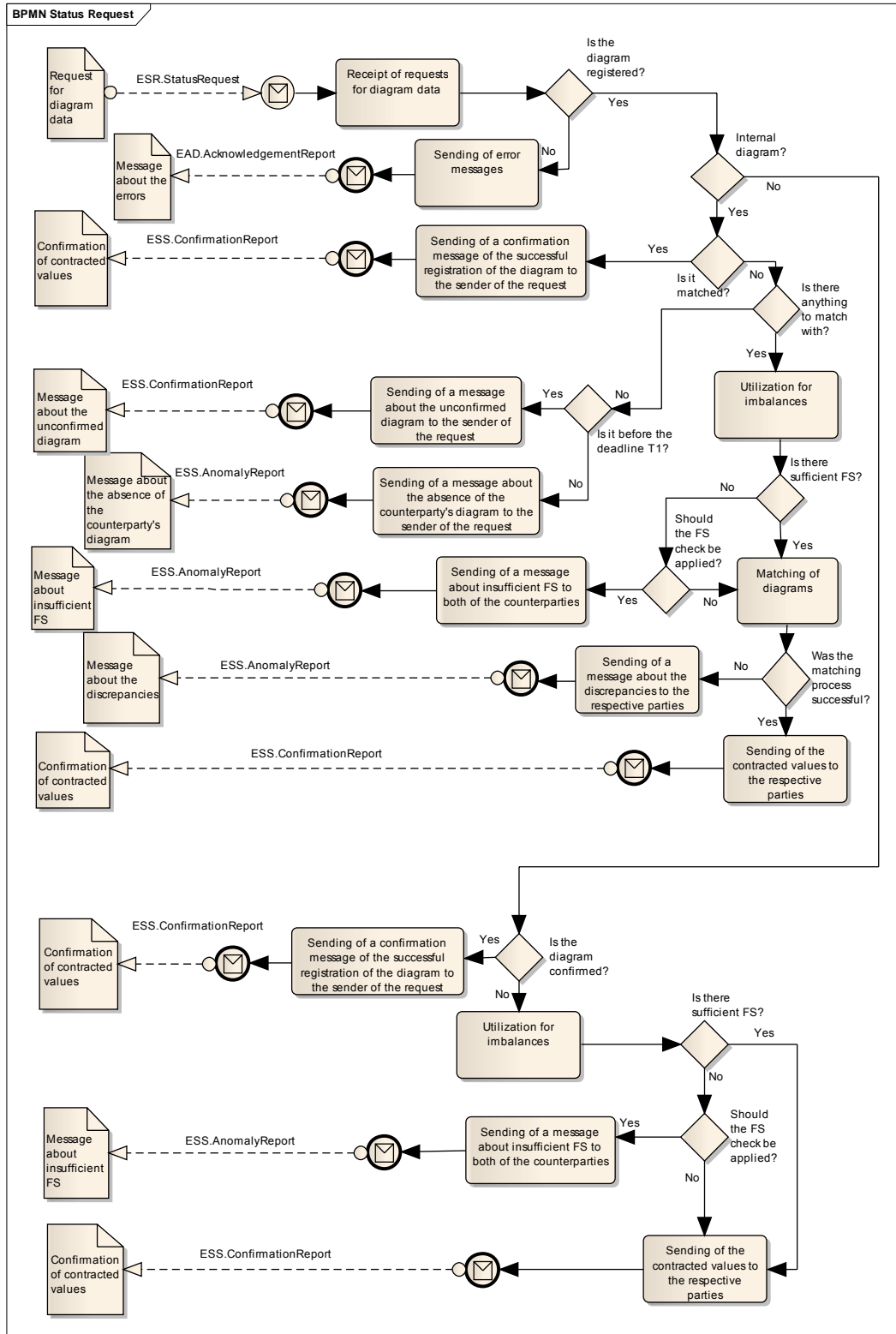
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diagram. The parties are informed through a message `ESS.ConfirmationReport`.

- ii. If it is not the last version of a document of the RD in question (enquiry of the historically replaced RD, which did not have sufficient FS):
  - 1. the sender of the request receives a message in a form of `AnomalyReport` with an indication of insufficient FS.
- 8. If the diagram in question is not registered with OTE, then the sender of the request receives an `AcknowledgementReport` with the respective error details (see [2], chapter 4.3)



### Figure 3 Status identification of diagrams



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## 2.2 Enforced matching

If the status of the RD is anomaly and the RD of the counterparty has been delivered (this can happen in the case of insufficient FS of one of the parties to the diagram), then a rematch may be necessitated (in the case of foreign RDs submitted by ČEPS or domestic RDs submitted by the Energy exchange. In this case the matching means only an FS check:

1. Through the user interface and the selection of the respective action after the marking of the chosen RD on the RRD screen
2. Through AC and RD status request with a help of an ETSO.ESR document. There will be an automatic attempt to match the diagrams solely in the below stated cases, otherwise the system will return the RD description in the respective document on the basis of the status of the RD:
  - a. Before the deadline “T3 – Deadline for the receipt and matching of corrective RDs on D-1” for domestic RDs
  - b. Before the deadline “T5 - Deadline for submitting of day-ahead foreign diagrams on D-1”
  - c. Before the deadline “T7 - Deadline for the receipt of foreign intraday diagrams on day D”

An enforced matching may be requested only by the sender of the RD or by the operator (RMP with an OTE profile).

If it comes to a repeated try to match the diagrams, either through user interface or AC, then both of the parties to the RD and the sender of the request to recalculate (except RMP with an OTE profile) receive the respective document on the basis of the result: ESS.ConfirmationReport or ESS.AnomalyReport. If the sender of the request for recalculation (or the request for data in the case of AC) is one of the counterparties, then he receives the respective document only once.

The input data, when requesting data through AC, is based on the ETSO ESR standards (see [2]). This has been extended in a way that a system, as an answer, may always return only one single ETSO document. The evaluation of the request that led to the return of a number of documents, in special occasions returns one single document:

1. If the request complies with a document of foreign RDs of one supply day and of one pair of counterparties, then the foreign RD in question will be the one that had been registered last (day-ahead or intraday)
2. If the request for one supply day and one pair of counterparties complies with more versions of one document, then the RD in question will be the document with the latest version.

Request for data may be enquired solely for one document. If a participant, who wishes to submit an RD for another subject (this is the case of ČEPS or Energy exchange) and wants to enquire all the documents submitted on a given day, must generate a separate enquiry for each participant.

The definition and structure of submitting a request for data on the basis of an extended ETSO.ESR standard is further defined in the manual on automatic communication.

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In the case of an error, when submitting a request for data through AC, the enquiry will be returned to the sender through a document ETSO.EAD.AcknowledgementReport. The structure of this is further specified in the manual on AC.

A response to the data request will be sent and its format depends on the status of the RD and on its type. The response will either take a format of a document as an ESS.ConfirmationReport or ESS.AcknowledgementReport. Their specific description according to ETSO is specified in the manual on AC.

The ESS.ConfirmationReport, which is sent due to unavailability of the counterparty's diagram until the deadline "T1 - Deadline for matching the RD's on D-1", will be posted with a reason code as the header of the document that defines the non-existence of the diagram of the counterparty.

ConfirmationReport	Value	Meaning/Comment
MessageIdentification	<BusinessDay in format YYYYMMDD>_<MessageType>_<Id- Prijem>_<Request_id>	Unique identifier of the document generated by the source system of the receiver. Example:20090501_A03_27XOTE- OPERATORY_1
MessageType	Message Type	Type of document message, which was received from the sender (acc. to ETSO standards)
MessageDateTime	yyyy-mm-ddThh:mm:ssZ	Time stamp of the creation of the document. ISO 8601 UTC format.
SenderIdentification .codingScheme	ID-OTE A01 or A10	Identification of OTE, as the sender of the document, either EAN or EIC (27XOTE- OPERATORY).ETSO coding scheme or EAN coding scheme
SenderRole	A05	Imbalance settlement responsible
ReceiverIdentification .codingScheme	ID-Receiver A01 or A10	Identification of the receiver of the document (participant, ČEPS, energy exchange) Either EAN (8591824000007) or EIC ETSO coding scheme or EAN coding scheme
ReceiverRole	A01 or A04 or A11	Trade responsible party (Participant) or System operator (ČEPS) or Market Operator (Energy exchange)
ScheduleTimeInterval	YYYY-MM-DDTHH:00Z/ YYYY-MM-DD+1THH:00Z	Time is in UTC ISO 8601 format Period 1 day. DD corresponds to Day of Supply - 1. HH je 23 (winter time CET = GMT+1) or 22 (summer time CEST = GMT + 02). When changing to CEST (respectively back to CET), the period will have 23 (respectively 25) hours. Time interval is possible only in the extent of one day.
ConfirmedMessageIdentification	Confirmed Message Identification	Unique identifier of document, which was received from the sender.
ConfirmedMessageVersion	Confirmed Message Version	Version of received document.
Domain .codingScheme	10YDOM-CZ-DE-SKK A01	Domain ETSO coding scheme
SubjectParty .codingScheme	ID-Subject Party A01 or A10	Identification of the document's recipient (participant, ČEPS or Energy exchange), EAN or EIC ETSO coding scheme or EAN coding scheme
SubjectRole	A01 or A04 or A11	Trade responsible party (Participant) or System operator (ČEPS) or Market Operator (Energy exchange)
ProcessType	PROCESS TYPE	Type of the process document, which has been received from the sender (based on ETSO standards)

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Reason	Value	Comment
ReasonCode	A06	
ReasonText	Schedule accepted	
TimeSeriesConfirmation	Value	Comment
SendersTimeSeriesIdentification	TS_nnn	Unique identifier of the document generated by the source system of the sender. (ČEPS or SEPS)
SendersTimeSeriesVersion	xx	Version of time stamp (same as the version of the document)
BusinesType	A02 nebo A06	Internal trade (for RDs submitted by participants or Energy exchange) or External trade with non explicit capacity (for RDs submitted by ČEPS).
Product	8716867000016	ActivePower
ObjectAgregation	A03	Party
InArea .codingScheme	10YCZ-ČEPS-----N A01	Importing Area ETSO coding scheme
OutArea .codingScheme	10YCZ-ČEPS-----N A01	Exporting Area ETSO coding scheme
MeteringPointIdentification	n/a	Not in use
InParty .codingScheme	ID-Consumer/Buyer/Exporter A01	Identification of the participant who is the seller, either EAN or EIC ETSO coding scheme or EAN coding scheme
OutParty .codingScheme	ID-Producer/Seller/Importer A01	Identification of the participant who is the buyer, either EAN or EIC ETSO coding scheme or EAN coding scheme
CapacityContractType	n/a	Not in use
CapacityAgreementIdentification	n/a	Not in use
MeasurementUnit	MAW	Unit Mega Watt
Period	Value	Comment
TimeInterval	YYYY-MM-DDTHH:00Z/ YYYY-MM-DD+1THH:00Z	Always the same interval as ScheduleTimeInterval.
Resolution	PT60M	Hourly Interval
Interval	Value	Comment
Pos	1 to n	Sequence starting with a value 1. There are as many intervals as many resolutions fit into the TimeInterval. Usually it is n=24, after the transition to CEST n=23, after transition to CET n=25.
Qty	zzz	Amount of energy for each interval with an accuracy of 3 decimal places (divider for decimal place is '.').

The document AnomalyReport that specifies the discrepancies in the case of non-existence of the diagram of the counterparty by the end of the deadline “T1 - Deadline for matching the RDs on D-1” contains a Reason code as the header of the document that defines the non-existence of the diagram of the counterparty.

In the case of discrepancies of time series that occur during the matching process, the time series of both of the parties will be included in the document.

AnomalyReport	Value	Meaning/Comment
---------------	-------	-----------------

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MessageIdentification	<BusinessDay in format YYYYMMDD>_<Id- Prijem>_<Request_id>	Unique identifier of the document generated by the source system of OTE. Example: 20090501_8591824010402_1
MessageDateTime	yyyy-mm-ddThh:mm:ssZ	Time stamp of document creation.. ISO 8601 UTC format.
SenderIdentification .codingScheme	ID-OTE A01 or A10	Identification of OTE as the sender of the document EAN (8591824000007) or EIC (27XOTE-OPERATORY) – EIC is preferred ETSO coding scheme or EAN coding scheme
SenderRole	A05	Imbalance settlement responsible
ReceiverIdentification .codingScheme	ID-RECEIVER A01 or A10	Identification of the recipient of the document (participant, ČEPS or Energy exchange), either EAN or EIC ETSO coding scheme or EAN coding scheme
ReceiverRole	A01 or A04 or A11	Trade responsible party (Participant) or System operator (ČEPS) or Market Operator (Energy exchange)
ScheduleTimeInterval	YYYY-MM-DDTHH:00Z/ YYYY-MM- DD+1THH:00Z	Time is in UTC ISO 8601 format Period 1 day. DD corresponds to the delivery day - 1. HH is 23 (winter time CET = GMT+1) or 22 (summer time CEST = GMT + 02). During transition to CEST (respectively back to CET) the period will be 23 (respectively 25) hours. Time interval is possible only in a range of one day.
Reason	Value	Comment
ReasonCode	Reason Code	Re-entry code (on the basis of ETSO standards).
ReasonText	Reason Text	Own description of the anomaly does not have to be to be stated.
TimeSeriesAnomaly	Value	Comment
MessageSenderIdentification .codingScheme	ID-ODES A01 nebo A10	Identification of producer/consumer in the document where there was a discrepancy (participant, ČEPS, or Energy exchange) , either EAN or EIC ETSO coding scheme or EAN coding scheme
SendersMessageIdentificatio n	Sender Message Identification	Unique identification of the received document, where a discrepancy has been discovered.
SendersMessageVersion	Sender Message Version	Version of the received document, where a discrepancy has been discovered.
SendersTimeSeriesIdentificati on	TS_nnn	Unique identification of the time stamp, where a discrepancy has been discovered.
SendersTimeSeriesVersion	xx	Version of time stamp
BusinesType	A02 or A06	Internal trade (for RDs submitted by participants or Energy exchange) or External trade with non explicit capacity (for RDs submitted by ČEPS).
Product	8716867000016	ActivePower
ObjectAgregation	A03	Party
InArea .codingScheme	10YCZ-ČEPS-----N A01	Importing Area ETSO coding scheme
OutArea .codingScheme	10YCZ-ČEPS-----N A01	Exporting Area ETSO coding scheme
MeteringPointIdentification	n/a	Not in use
InParty .codingScheme	ID-Consumer/Buyer/Exporter A01	Identification of the participant that is a buyer, either EAN or EIC ETSO coding scheme or EAN coding scheme
OutParty .codingScheme	ID-Producer/Seller/Importer A01	Identification of the participant that is a seller, either EAN or EIC ETSO coding scheme or EAN coding scheme

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CapacityContractType	n/a	Not in use
CapacityAgreementIdentification	n/a	Not in use
MeasurementUnit	MAW	Unit Mega Watt
Period	Value	Comment
TimeInterval	YYYY-MM-DDTHH:00Z/ YYYY-MM-DD+1THH:00Z	Always same value as ScheduleTimeInterval.
Resolution	PT60M	Hourly Interval
Interval	Value	Comment
Pos	1 to n	Sequence starting with a value 1. There are as many intervals as many resolutions fit into the TimeInterval. Usually it is n=24, after the transition to CEST n=23, after transition to CET n=25.
Qty	zzz	Amount of energy for each interval with an accuracy of 3 decimal places (divider for decimal place is '.') At least in one direction, there must be a zero value for the respective hour.

## 2.3 Matching of diagrams

The function describes the process of matching. Matching takes place only for domestic diagrams that had been submitted by market participants. Those RDs that are submitted by ČEPS external or the Energy exchange (participant with a profile of a energy exchange) are considered as already matched. RDs to be matched are determined on the basis of the parity of the diagrams (acc. to ETSO.ESS.ScheduleDocument):

- MessageType
- ProcessType
- MatchingPeriod
- ScheduleTimeInterval
- BusinesType
- InParty
- OutParty

If the diagram of the counterparty is retrieved on the basis of the stated criteria, then the matching process of the data of the time series commences. These must have the same quantity of power (Interval. Qty) in each hour of the interval (Interval.Pos). If this rule does not hold then the time series is marked with a respective reason code (this is defined in the manual on AC).

If the time series of both diagrams are identical, then both of the diagrams are marked as Matched.

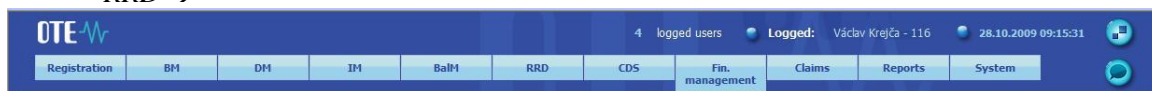
Both of the matched diagrams must be in a state of Received and with a completed FS check (the sign of FS must be filled out).

### 3 ACCESS TO THE APPLICATIONS

#### 3.1 Access through the menu

After the participant has signed in to the system through the web interface CS OTE, he may access the application Registration of RDs through the bookmark *RRD* in the *main menu*:

*RRD* →



**Figure 4 RRD**

#### 3.2 Electronic signature

In order to be able to access the trading screen, respectively for the execution of any action, a certificate for electronic signature is necessary. This may be set up in advance. By setting up the certificate in advance, the participant does not have to select his own certificate before each transaction, but it is sufficient to select it only once at the beginning (see next Chapter). Otherwise, if the signature certificate is not preset, then the certificate has to be specified at each command.

If submitting an order through the trading screen, each participant of RRD must select a signature certificate.

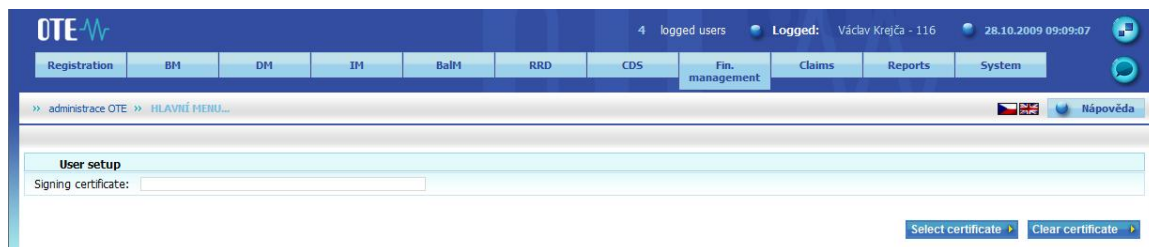
The certificate may be set up permanently through the main menu:

*System* → *Configuration* → *Certificate Selecting*

Through the button *Select Certificate*. Here the participant uploads his certificate, which then appears in the field of Signature Certificate. Consequently, the participant may perform any transaction, without having to select the given certificate more than once. The participant may perform any operations on all the markets, where he has trading rights, without having to set the signature certificate, see Figure 5.

The set up of the Signature Certificate may be cancelled through the button *Cancel certificate*, see Figure 5. This way the whole set up is being cancelled for all the markets the participants has rights to trade on.





**Figure 5 Setting up of certificates and the trading screen**



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## 4 SPECIFICATION OF THE TRADING SCREEN

### 4.1 Specification of the trading screen

The screen is divided into four parts – Panels.

(Panel 1 – *RRD Summary*, Panel 2 – *Summary report*, Panel 3 – *Realization diagrams*, Panel 4 – *Aggregated realization diagrams*).

The RRD screen is based on the general context of the EMTAS trading screen.

Registration of realization diagrams

A new bid on: BMIMBaM

RRD - summary

Delivery day	Main Session ID GCT	Status	Corrective Session ID GCT	Status	ED Day-ahead Session GCT	Status
10/25/2009	10/24/2009 15:30 CET	Results	10/24/2009 16:00 CET	Results	10/24/2009 15:30 CET	Results
10/26/2009	10/25/2009 15:30 CET	Results	10/25/2009 16:00 CET	Results	10/25/2009 15:30 CET	Results
10/27/2009	10/26/2009 15:30 CET	Results	10/26/2009 16:00 CET	Results	10/26/2009 15:30 CET	Results
10/28/2009	10/27/2009 15:30 CET	Results	10/27/2009 16:00 CET	Results	10/27/2009 15:30 CET	Results
10/29/2009	10/28/2009 15:30 CET	Open	10/28/2009 16:00 CET	NotOpen	10/28/2009 15:30 CET	Open
10/30/2009	10/29/2009 15:30 CET	Open	10/29/2009 16:00 CET	NotOpen	10/29/2009 15:30 CET	Open
10/31/2009	10/30/2009 15:30 CET	Open	10/30/2009 16:00 CET	NotOpen	10/30/2009 15:30 CET	Open
11/01/2009	10/31/2009 15:30 CET	Open	10/31/2009 16:00 CET	NotOpen	10/31/2009 15:30 CET	Open

Summary report

Time	Text
01/01/2009 13:00:00	For the sake of the CIP will be closed trading today at 18.00
10/28/2009 05:00:05	Stav užitizace finančních prostředků: OK

Realization diagrams (Parameters)

Inactive orders

Yes

Execute

Realization diagrams - 10/27/2009 (Table)

DocID	IdDgm	Ver	Delivery day	Type	Status	RDVol	SS Sell	Seller	Buyer	SS Buy	DgmType	Sender
20091029_A01_8591824010204_84	TS_001	1	29.10.2009	Buy	Confirmed	123 456 78	8 591 824 010 204	8 591 824 010 204	8 591 824 011 607	8 591 824 011 607	FeDD	8 591 824 010 204
20091029_A01_8591824011607_68	TS_002	2	29.10.2009	Sell	Confirmed	120,000	8 591 824 011 607	8 591 824 011 607	8 591 824 011 409	8 591 824 011 409	RD	8 591 824 011 607
20091030_A01_8591824011607_76	TS_001	2	30.10.2009	Buy	Anomaly	77,000	8 591 824 011 409	8 591 824 011 409	8 591 824 011 607	8 591 824 011 607	RD	8 591 824 011 607
20091030_A01_8591824011607_76	TS_001	3	30.10.2009	Buy	Anomaly	137,000	8 591 824 011 409	8 591 824 011 409	8 591 824 011 607	8 591 824 011 607	RD	8 591 824 011 607
20091030_A01_8591824011607_76	TS_001	4	30.10.2009	Buy	Anomaly	0,000	8 591 824 011 409	8 591 824 011 409	8 591 824 011 607	8 591 824 011 607	RD	8 591 824 011 607
20091101_A01_8591824011607_77	TS_001	2	01.11.2009	Buy	Acknowledged	0,000	8 591 824 011 409	8 591 824 011 409	8 591 824 011 607	8 591 824 011 607	RD	8 591 824 011 607
20091102_A01_8591824011607_78	TS_001	1	02.11.2009	Buy	Acknowledged	123 456 78	8 591 824 011 409	8 591 824 011 409	8 591 824 011 607	8 591 824 011 607	RD	8 591 824 011 607

Aggregated realization diagrams - 10/27/2009

Type	H01	H02	H03	H04	H05	H06	H07	H08	H09	H10	H11	H12	H13	H14	H15	H16
Buy	10,000	10,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
Sell	0,000	0,000	10,000	10,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Figure 6 System resolutions of the panels on the RRD screen

### 4.2 Panels of RRD

The following chapters describe the individual Panels of the screen RRD. It is assumed that the Panels project all possible data to which the participants have access to and have a right to trade on. In each case the Panel is shown and its columns are briefly described.

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#### 4.2.1 Common features of panels

- Application of color scheme:

The color scheme of records (or columns) on the trading screen may differ on the basis of the value meaning. The basic principle is applied accordingly:

- **Blue** – records (columns) that represent the data of Buy transactions
- **Green** - records (columns) that represent the data of Sell transactions
- **Grey** – represents the non active records (e.g. non valid records)
- **Red** – represents those records that are in a special status
- **Black** – used for records that are in other status

- Setting up of control panels for all the Panels of the trading screen:

Control Element	Description
Toolbar	Export: serves for exporting data into standard formats txt, pdf, xls, xml Print: serves for printing of data on the connected printer Detail: projects the details of the records in the dialogue window. Active after marking just one record.
Pop Up menu	Export - same as the toolbar „Export“. Print - same as the toolbar „Print“. Detail - same as the toolbar „Detail“.

**Table 1 Common operation – Setup of buttons**

The aim of the RRD screen is to offer maximal convenience to participants, when servicing RDs, without having to change between more screens. All the operations that are connected to the submitting and cancellation of RDs may be done through this screen, except of detailed configurations and reports. The trading screen of RRD is being refreshed after each action that the participant takes (on the basis of participants' action New, Restore, Cancel), or manually – Button *Manual Restore* in the upper right corner of the screen.

The setup of the whole view of the screen depends on the entry rights of the participant (if the respective participant has read-only rights on RRD, then the Toolbars for Submitting, Restoring or Cancelling RDs are not shown).

**Due to the need to display on the RRD screen a larger amount of data, the minimal optimized resolution suggested is 1280x1024.** This setup is static, thus if the resolution of the screen is smaller then the suggested minimum, then part of the trading screen will be hidden. The width and length of panels is given, thus it is non-adjustable.

#### 4.2.2 Panel no 1 – RRD - Summary

The panel displays basic information about the individual delivery days. There are 4 records for the already closed session and 6 records for the still open session. The data are sorted on the basis of the delivery day. The actual record in the panel (the marked day of delivery), determines the displayed data in the following panels:

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- Active realization diagrams
- Aggregated realization diagrams

RRD - summary						
Delivery day	Main Session ID		Corrective Session ID		ED Day-ahead Session	
	GCT	Status	GCT	Status	GCT	Status
10/25/2009	10/24/2009 15:30 CEST	Results	10/24/2009 16:00 CEST	Results	10/24/2009 15:30 CEST	Results
10/26/2009	10/25/2009 15:30 CET	Results	10/25/2009 16:00 CET	Results	10/25/2009 15:30 CET	Results
10/27/2009	10/26/2009 15:30 CET	Results	10/26/2009 16:00 CET	Results	10/26/2009 15:30 CET	Results
10/28/2009	10/27/2009 15:30 CET	Results	10/27/2009 16:00 CET	Results	10/27/2009 15:30 CET	Results
10/29/2009	10/28/2009 15:30 CET	Open	10/28/2009 16:00 CET	NotOpen	10/28/2009 15:30 CET	Open
10/30/2009	10/29/2009 15:30 CET	Open	10/29/2009 16:00 CET	NotOpen	10/29/2009 15:30 CET	Open
10/31/2009	10/30/2009 15:30 CET	Open	10/30/2009 16:00 CET	NotOpen	10/30/2009 15:30 CET	Open
11/01/2009	10/31/2009 15:30 CET	Open	10/31/2009 16:00 CET	NotOpen	10/31/2009 15:30 CET	Open

**Figure 7 Panel – RRD -Summary**

- List of columns:

Grouping of Columns	Column	Description
	Delivery Day	Delivery day identifies the day on which the physical delivery of the commodity takes place.
Main Session DD	GCT	Identification of day and time, when the main session of the defined delivery day of domestic diagrams terminates. The time stamp includes the distinction between the winter/summer (CET/CEST) time.
	Status	Status of the session for the given day of delivery. The following statuses are possible: <b>Open</b> , those delivery days that have not reached the deadline yet. <b>Closed</b> , it is a period between the end of the deadline for submitting diagrams and the final matching. <b>Results</b> , the session is already closed and the final results are available (the matching of diagrams has been completed).
Corrective Session DD	GCT	Identification of day and time, until when the corrective session of domestic diagrams for the defined delivery day is possible. The time stamp includes the distinction between the winter/summer (CET/CEST) time.

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	Status	<p>Status of the session for a defined delivery day. These status' are possible:</p> <p><b>NotOpen</b>, day of delivery, for which the corrective session has not started yet (the corrective session opens as soon as the results of the main session are published)</p> <p><b>Open</b>, delivery day, for which the results of the main session has already been published.</p> <p><b>Closed</b>, the period between the deadline for submitting diagrams and the final matching.</p> <p><b>Results</b>, the session is closed and the results of the matching are available. (the corrective matching of diagrams terminated, including the aggregation for SS)</p>
Day-ahead Session ED	GCT	Identification of day and time, when the main session of the defined delivery day of foreign diagrams terminates. The time stamp includes the distinction between the winter/summer (CET/CEST) time.
	Status {Status}	<p>Status of the session for the given day of delivery. The following status' are possible: <b>Open</b>, those delivery days, that have not reached the deadline yet. <b>Closed</b>, it is a period between the end of the deadline for submitting diagrams and the final matching.</p> <p><b>Results</b>, the session is already closed and the final results are available (the matching of diagrams has been completed).</p>
Intraday Session ED	GCT	Identification of day and time, when the intraday session of the defined delivery day of foreign diagrams terminates. The time stamp includes the distinction between the winter/summer (CET/CEST) time.
	Status	<p>Status of the session for a defined delivery day. These status' are possible:</p> <p><b>NotOpen</b>, day of delivery, for which the corrective session has not started yet (the corrective session opens as soon as the results of the main session are published)</p> <p><b>Open</b>, delivery day, for which the results of the main session has already been published.</p> <p><b>Closed</b>, the period between the deadline for submitting diagrams and the final matching.</p> <p><b>Results</b>, the session is closed and the results of the matching are available. (the corrective matching of diagrams terminated, including the aggregation for SS)</p>

**Table 2 RRD - Summary – List of columns**

- Setup of the buttons in the control panel:

Operating element	Description
Toolbar	Detail: projects the details of the records in the dialogue window. Active after marking just one record.
Pop Up menu	Detail – same as toolbar „Detail“

**indra****logica****OTE** **Table 3 RRD - Summary – Button setup****4.2.3 Panel No 2 – Summary report**

The panel Summary report displays a combination of information on messages submitted by OTE (max. 2 lines – the latest ones on the basis of the time stamp of their creation), then an empty line follows, Status of the utilization of financial means (max. 2 lines - the latest ones on the basis of the time stamp of their creation), then an empty line follows and the overview of participants operations (the number of displayed lines depends on the setup – currently the 10 latest lines are displayed). In the overview of participants operations the data that belongs to the RRD are displayed.

Summary report	
Time	Text
07/07/2009 10:20:30	For the sake of the CIP will be closed trading today at 18.00
10/29/2009 05:00:04	State of the financial security utilization: OK
10/29/2009 10:00:05	Diagram received for processing to the queue of request 10784/1.
10/29/2009 10:00:05	Diagram received for processing to the queue of request 10784/2.
10/29/2009 10:00:05	OK: Diagram 20091101_A01_10XCZ-116-----_163.5329 version 1
10/29/2009 10:00:05	OK: Diagram 20091101_A01_10XCZ-116-----_163.5330 version 1
10/29/2009 09:56:53	Diagram received for processing to the queue of request 10782/1.

**Figure 8 Panel – Summary report**

If the participant points the cursor to the individual messages then the detail of the message appears. See Fig. 9.

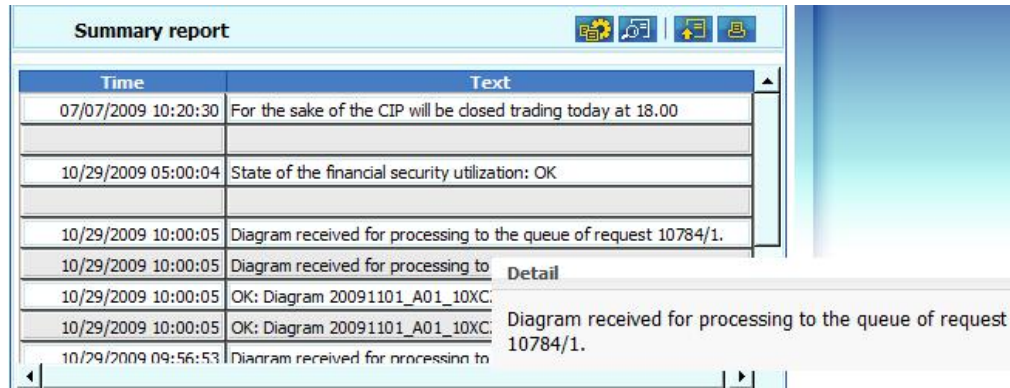




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Time	Text
07/07/2009 10:20:30	For the sake of the CIP will be closed trading today at 18.00
10/29/2009 05:00:04	State of the financial security utilization: OK
10/29/2009 10:00:05	Diagram received for processing to the queue of request 10784/1.
10/29/2009 10:00:05	Diagram received for processing to
10/29/2009 10:00:05	OK: Diagram 20091101_A01_10XC:
10/29/2009 10:00:05	OK: Diagram 20091101_A01_10XC:
10/29/2009 09:56:53	Diagram received for processing to

**Detail**

Diagram received for processing to the queue of request 10784/1.

**Figure 9 Panel – Summary report**

Informative messages are displayed with grey letters, warnings with red and error messages are with red letters.



The sorting of messages are implicitly set within the panel as stated above and on the basis of the time stamp of their creation (the latest message is always the first).

- List of columns:

Column	Description
Time	Time stamp of record
Text	Text of record

**Table 4 Summary report– List of columns**

- Setup of buttons on the control panel:

Operating element	Description
Toolbar	 (Message queue), displays the summary of orders that have not been processed yet in a dialogue box. Active without having to select a record.  (Detail), displays the detail of the record in a dialogue box. Active only after marking a record. The correct, warning or error messages are differentiated on the basis of the principles stated in the graphics manual.
Pop Up menu	Message queue – same as the toolbar „Message queue“ Detail – same as the toolbar „Detail“

**Table 5 Summary report – Setup of buttons**

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#### 4.2.4 Panel no 3 – Realization diagrams

The panel gives an account of all active diagrams (thus the diagrams of the signed in participant) irrespective of the delivery day and the aggregate of non-active diagrams for the selected delivery day. Within the panel there is an entry that enables the view of non-active diagrams.

Realization diagrams (Parameters)												
Inactive orders		Yes		Execute								
Realization diagrams - 10/27/2009 (Table)												
DocID	IdDgm	Ver	Delivery day	Type	Status	RDVol	SS Sell	Seller	Buyer	SS Buy	DgmType	Sender
20091029_A01_8591824010204_84	TS_001	1	29.10.2009	Buy	Confirmed	123 456 78	8 591 824 010 204	8 591 824 010 204	8 591 824 011 607	8 591 824 011 607	FoDD	8 591 824 010 204
20091029_A01_8591824011607_141	TS_001	1	29.10.2009	Buy	Acknowledged	3,000	8 591 824 010 204	8 591 824 010 204	8 591 824 011 607	8 591 824 011 607	RD	8 591 824 011 607
20091029_A01_8591824011607_141	TS_002	1	29.10.2009	Sell	Acknowledged	5,000	8 591 824 011 607	8 591 824 011 607	8 591 824 010 204	8 591 824 010 204	RD	8 591 824 011 607
20091029_A01_8591824011607_68	TS_002	2	29.10.2009	Sell	Confirmed	120,000	8 591 824 011 607	8 591 824 011 607	8 591 824 011 409	8 591 824 011 409	RD	8 591 824 011 607
20091030_A01_8591824011607_76	TS_001	2	30.10.2009	Buy	Anomaly	77,000	8 591 824 011 409	8 591 824 011 409	8 591 824 011 607	8 591 824 011 607	RD	8 591 824 011 607
20091030_A01_8591824011607_76	TS_001	3	30.10.2009	Buy	Anomaly	137,000	8 591 824 011 409	8 591 824 011 409	8 591 824 011 607	8 591 824 011 607	RD	8 591 824 011 607
20091030_A01_8591824011607_76	TS_001	4	30.10.2009	Buy	Anomaly	0,000	8 591 824 011 409	8 591 824 011 409	8 591 824 011 607	8 591 824 011 607	RD	8 591 824 011 607

**Figure 10 Panel – Realization diagrams**

- List of columns:

Column	Description
IdDgm	Unique identifier of the realization diagram within day (acc. to ETSO - Message identification) generated by the foreign system of AC. When submitting an order through the form, the EMTAS is generated in a structure <delivery day>_<Type of Message>_<Sender>_<ID>; The exact specification is elaborated on in the Chapter on RDs.
Ver	Supplementary identifier, which together with the Diagram ID form the unique identifier of each diagram (acc. to ETSO - Message version). Generated by the external system. If submitted through a trading form an EMTAS is generated.
Delivery day	Identification of the delivery day
Type	Distinction <b>Buy</b> / <b>Sell</b>
Status	Identifies the actual status of the diagram. The following statuses are possible: <b>Received</b> – the diagram was received for matching, validation was successful (for those RDs that are submitted as second and the matching starts automatically, this status is not shown and directly receives a status of matched/non-matched). <b>Rejected</b> – the diagram was not received for matching as an error occurred during validation <b>Replaced</b> – this is the status the diagram receives after the Received status, if a new diagram has been successfully received and also after the Matched status if the new diagram is successfully matched. <b>Non-matched</b> – the diagram did not pass the matching process (the values of the counterparty's diagram were not identical with the actual participant) or the diagram was rejected due to



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	insufficient FS. <b>Matched</b> – the diagram successfully passed the matching process.
RDVol	The sum of the volume of the RD. If the sum of the diagrams is zero then it is an RD that has been cancelled by the previous RD.
SS Sell	Identification of the participant, whose diagrams for sell will be aggregated (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
Seller	Identification of the participant on the sell side (import) (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
Buyer	Identification of the participant on the buy side (export) (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
SS Buy	Identification of the participant, whose diagrams for buy will be aggregated (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
DgmType	Distinction of diagram types (if applied): <b>RD</b> – realization diagram (including fixed diagrams) – contracted between SS/RMP a SS/RMP. <b>DDD</b> – domestic diagrams day-ahead – import/export from the system. Contracted between ČEPS and SS/RMP. <b>FoDI</b> – foreign diagrams intraday – import/export from the system. Contracted between ČEPS and SS/RMP.
Sender	Identification of the participant that offers the diagram (EAN). Usually it is one of the counterparties from the buy/sell (export/import). Diagrams offered by the energy exchange are exceptions. In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
SbmTimeStamp	Submission Time Stamp – the moment when the diagram is received by the system.

**Table 6 Realization diagrams – List of columns**

Active diagrams for buy are displayed with blue letters and diagrams for sell with green. Non-active diagrams are stated with grey letters. Diagrams that did not pass the process of matching are marked with red letters.

- Button setup on the operational panel:

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Operating element	Description
Toolbar	(New), for submitting a new diagram. Active without having to select a record. (Restore), for restoring a selected diagram. Active only after selecting just one record. (Cancellation), for cancelling a selected diagram (replacing a diagram with another one that has 0 values). Active only after selecting just one record. (Upload), for uploading a diagram with a help of a file. Active without having to select a record. (Detail), displays the details of the diagram in a dialogue box. The full name of the participant will be supplemented (SS Sell, Seller, Buyer, SS Buy, Sender) according to the Prodis registration. Active only after selecting just one record.
Pop Up menu	New – same as the toolbar „New“ Restore – same as the toolbar „Restore“ Cancellation– same as the toolbar „Cancellation“ Upload – same as the toolbar „Upload“ Detail – same as the toolbar „Detail“

**Table 7 Realization diagrams – setup of buttons**

The following criteria must be fulfilled so that the diagram would become active:

- The diagram must be entered into the system as valid (does not have a status Rejected)
- The diagram may not be replaced by another diagram (does not have a status Replaced)
- The diagram is submitted for an open session

#### 4.2.5 Panel no. 4 – Aggregated realization diagrams

The panel displays the successfully aggregated diagrams for a selected day of delivery, including their aggregation.

Aggregated realization diagrams - 10/30/2009																
Type	H01	H02	H03	H04	H05	H06	H07	H08	H09	H10	H11	H12	H13	H14	H15	H16
Buy	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
Sell	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

**Figure 11 Panel – Aggregated realization diagrams**

- List of columns:

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Column	Description
Type	Differentiation between <b>Buy/Sell</b> . The column serves as a grouping according to types.
H01 ... H25	Aggregated volumes for a given hour of delivery (eventually volume for each successfully matched diagram (MWh)
Tot	Total volume for a given delivery day (MWh)
IdDgm	Identification of a diagram, which creates the aggregated position. In the case of foreign RDs the diagram of the respective parties that has been registered last forms the aggregated position.
Ver	The version together with the identification of the diagram embodies the unique identifier of the diagram within the CS OTE system.
SS Sell	Identification of participant for which an aggregation of sell diagrams is done (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
Seller	Identification of a participant on the sell side (import) (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
Buyer	Identification of a participant on the buy side (export) (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
SS Buyer	Identification of participant for which an aggregation of buy diagrams is done (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
DgmType	Distinction of diagram types (if applied): <b>RD</b> – realization diagram (including fixed diagrams) – contracted between SS/RMP a SS/RMP. <b>FoD</b> – foreign diagrams– import/export from the system. <b>FoDD</b> – foreign diagrams day-ahead – import/export from the system. <b>FoDI</b> – foreign diagrams intraday – import/export from the system.
Sender	Identification of the participant who offers the diagram (EAN). Usually, it is one of the parties from the buy/sell (export/import). Exceptions are all the diagrams offered by the energy exchange. In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
SbmTimeStamp	Submission Time Stamp – the moment when the diagram was received by the system.

**Table 8 Aggregated realization diagrams – List of columns**

- Setup of buttons on the control panels:


Operating element	Description
-------------------	-------------



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Toolbar	 (Detail) displays the detail of the diagram in the dialogue box. The full name of the market participant will be supplemented according to the Prodis registration. (SS Sell, Seller, Buyer, SS Buy, Sender). Active after selecting just one record.
Pop Up menu	Detail – same as toolbar „Detail“

**Table 9 Aggregated realization diagrams – Setup of buttons**

## 5 CREATION OF RD

### 5.1 Access

Through the main screen the quick access option may be selected as follows:

*RRD* →

On the RRD screen diagrams may be submitted only from one panel (Realization diagrams), with the help of the New button or by right clicking on any of the records and selecting the option New from the Pop Up menu:

*Realization diagrams* → *New*

*Realization diagrams* → *Pop Up menu* → *New*



**Figure 12 Submit RDs – Panel Realization diagrams – button New**



**Figure 13 Submit RDs – Realization diagrams – Pop Up menu**

### 5.2 Form for the creation of RDs

After selecting any of the above options for submitting an RD, a submission form opens, which contains all the necessary fields specifying the traits of the RD. One submission form enables to submit an RD between two participants at one step. This process is necessary to unify the process of submitting diagrams either through AC or through web interface.

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**New realization diagram**

---

**Header data**

Delivery day:\*  Owner:\*   
 Transport type:\*  Sender:\*   
 Process type:\*   
 Matching period start:\*

---

**Data buy**

☒ Realize

Seller:\*  Buyer:\*

Hour	1	2	3	4	5	6	7	8	9	10
Volume*	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Hour	11	12	13	14	15	16	17	18	19	20
Volume*	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Hour	21	22	23	24
Volume*	0,000	0,000	0,000	0,000

---

**Data sell**

☒ Realize

Seller:\*  Buyer:\*

Hour	1	2	3	4	5	6	7	8	9	10
Volume*	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Hour	11	12	13	14	15	16	17	18	19	20
Volume*	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Hour	21	22	23	24
Volume*	0,000	0,000	0,000	0,000

\* mandatory field

**Figure 14 Submission of RDs**

The following fields must be filled out:

- **Delivery day** (compulsory field): Delivery day for which the diagram is valid (acc. to ETSO - time interval)
- **Diagram type** (compulsory field): specification of the diagram (acc. to ETSO – Business Type). When submitting an RD this feature is automatically set on the basis of the signed in user (for ČEPS foreign, otherwise domestic). May acquire the following values Domestic RD, Foreign RD.
- **Type of processing** (compulsory field): Period differentiation of the submitted diagram (acc. to ETSO - Process type). May acquire the following values: Day-ahead RD, Intraday RD – applicable only in the case if foreign diagrams (may only be used by ČEPS)
- **Beginning of the matching phase** (compulsory field): defines the length of the matching phase by determining the first hour, which is going to be matched. There might values from 1 to 24 (23/25). It is applied only in the case of foreign intraday RDs, for others it is always 1.
- **Owner** (compulsory field): EAN of the diagram owner (acc. to ETSO - Subject party – Coding scheme). When submitting a diagram through the submission form this field is filled in automatically on the basis of the signed in participant (normal participants and

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ČEPS; the exception is the energy exchange, the field must be filled in manually). The field always contains only one of the parties to the RD.

- **Sender** (compulsory field): EAN sender/submitter of diagrams. When submitting an RD this feature is automatically set on the basis of the signed in user (acc. to ETSO - Sender Identification – Coding scheme). Identifies whether the participant submitted the diagram himself or it was submitted by another market participant (ČEPS, PXE, ČMKBK)
- **Data of the Buy transaction** – time stamp of diagram, where the participant is on the buy side, thus he is the one who realizes the offtake (ČEPS, PXE or ČMKBK).
  - **Realize** – specifies, whether the stated time stamp will be submitted. The time stamp is implicitly filled in.
  - **Seller** (compulsory field): EAN of the participant in the sell side SS or RMP (acc. to ETSO - In party – Coding scheme)
  - **Buyer** (compulsory field): EAN of the participant on the buy side (acc. to ETSO - In party – Coding scheme)
  - **Volume** (compulsory field): Energy for each hour within each trading day in MWh's. The volume is always stated in positive values (acc. to ETSO – Interval Qty) and **with an accuracy of 3 decimal places.**
- **Data of the Sell transaction** – time stamp of diagram, where the participant is on the sell side, thus he is the one who realizes the delivery (ČEPS, PXE or ČMKBK).
  - **Realize** – specifies, if the stated time stamp will be submitted. The time stamp is implicitly filled in
  - **Seller** (compulsory field): EAN of the participant in the sell side SS or RMP (acc. to ETSO - In party – Coding scheme)
  - **Buyer** (compulsory field): EAN of the participant on the buy side (acc. to ETSO - In party – Coding scheme)
  - **Volume** (compulsory field): Energy for each hour within each trading day in MWh's. The volume is always stated in positive values (acc. to ETSO – Interval Qty) and **with an accuracy of 3 decimal places.**

### 5.3 Validation and sending of data

After clicking on the *Send* button the application checks whether all compulsory fields were filled in and are correct. Double validation is performed – one on a submission form level and one on a system level.

If the system detects an error, which means an exceeding of the purchase order form's technical parameters or other reasons that are identified by the local validators, then the order will not be sent to the system at all and the error will be stated on the form. In this case the validation takes place again within the form.



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**New realization diagram**

Volume - 2: wrong format of number.

**Header data**

Delivery day:\* 10/31/2009 Owner:\* 8 591 824 011 607  
 Transport type:\* Domestic RD Sender:\* 8 591 824 011 607  
 Process type:\* Day ahead RD  
 Matching period start:\* 1

**Data buy**

☒ Realize

Seller:\* Buyer:\* 8 591 824 011 607

Hour	1	2	3	4	5	6	7	8	9	10
Volume*	0,000	sdgsjhg	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Hour	11	12	13	14	15	16	17	18	19	20
Volume*	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Hour	21	22	23	24
Volume*	0,000	0,000	0,000	0,000

**Data sell**

☒ Realize

Seller:\* 8 591 824 011 607 Buyer:\*

Hour	1	2	3	4	5	6	7	8	9	10
Volume*	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Hour	11	12	13	14	15	16	17	18	19	20
Volume*	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Hour	21	22	23	24
Volume*	0,000	0,000	0,000	0,000

\* mandatory field

Submit Close

**Figure 15 Local validation**

When detecting an error the application provides a brief description of the error (the order may be saved in the system as invalid, as far as it is technically possible). In both cases an entry is created in the Panel *Summary report*.

If a new RD is submitted, where in the system an RD with the entered key entries already exists (key entries define the exactness of RD and these are: delivery day, seller, buyer, type of diagram, type of processing, owner), then the participant will be warned. The ID and version of diagram, which is increased, will be retrieved for the combination of key entries.

Validation (some of these checks are important only in the case of AC, as the user interface ensures the entry of only correct data):

- Verification of the fulfillment of the parties' clearing contract requirements:
  - If the participant is not an SS, then the system checks, whether the participant has a defined default SS.





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- If the participant does not have a defined default SS, then a respective error code is generated. The RD is marked as Rejected.
  - If the participant does have a defined default SS, then the system checks whether the defined RMP may register RDs. If not, then a respective error code is generated and the RD is marked as Rejected.
- Verification of the fulfillment of the requirements to have an access to RRD.
  - If the participant does not have a defined role within RRD (the date of delivery must be within the range of validity of this role) and if the user of the participant is not assigned to the respective role to submit RDs, then an error code is generated and the RD is marked as Rejected.
- Validity check of deadlines for the creation of new RDs or the replacement of current RDs in relation to the trading date and the actual time of sending the request.
  - Day-ahead domestic diagrams:
    - May be submitted only by the deadline T1 (Deadline for submitting and matching RDs on D-1).
    - May be submitted after the deadline T2 (Deadline for announcing the results of the main session of RD registration on D-1) and until the deadline T3 (Deadline for submitting and matching of corrective RDs on D-1) only in that case if there is already a diagram registered with a lower version, being in a status Anomaly, due to an error in the time frames.
  - Day-ahead foreign diagrams:
    - May be submitted only until the deadline T5 (Deadline for submitting foreign day-ahead diagrams on D-1)
  - Intraday foreign diagrams
    - May be submitted only after the deadline T6 (Deadline for the announcement of the results of the foreign day-ahead diagrams on D-1) and until the deadline T7 (Deadline for submitting intraday foreign diagrams on day D)
- If the sender of the foreign RD is a different participant to ČEPS (participant with a profile PS), then a respective error code is generated and the RD is marked as Rejected.
- If the counterparty's RD is already registered for the foreign diagram, which is not generated by the system (ČEPS registers foreign diagrams only for one of the parties to the diagram), then a respective error code is generated and the RD is marked as Rejected.
- If an RD submitted by the energy exchange is registered for the day-ahead diagram of the energy exchange and which is not generated by the system (the energy exchange registers day-ahead diagrams only for one of the parties to the diagram), then a respective error code is generated and the RD is marked as Rejected.
- If the owner of the diagram is not counterparty to the RD, then a respective error code is generated and the RD is marked as Rejected.



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- If it is a diagram with a zero value for the purpose of cancellation and there is an identical RD registered in the system with a lower version and the sender of the null value diagram is not the sender of the diagram of the previous version (the diagram may be cancelled only by the same participant, who created it), a respective error code is generated and the RD is marked as Rejected.
- Verification of the length of the interval: must be always for one delivery day. If there is none, a respective error code is generated and the RD is marked as Rejected.
- Verification of the entry values:
  - If the compulsory entries are missing or their value does not comply with the specifications interface, then an error code is generated and the RD is marked as Rejected
- Verification of the duplicity of RDs and versions of the document:
  - If for the same delivery day (ScheduleTimeInterval), day-ahead type of processing (ProcessType = A01), same owner of RD (SubjectParty acc. to ETSO), same type of diagram (domestic/foreign, acc. to ETSO entry BusinessType), Same side of buy and sell (acc. to ETSO OutParty and InParty) exists a document with a different ID, then an error code is generated and the RD is marked as Rejected
  - If for the new document with the criteria described above exists an already registered document with a same ID and same or higher version, then an error code is generated and the RD is marked as Rejected
  - If for the same delivery day (ScheduleTimeInterval), intraday type of processing (ETSO ProcessType=A18), same RD owner (SubjectParty acc. to ETSO), foreign type of diagram (ETSO entry BusinessType=A06), Same side of buy and sell (acc. to ETSO OutParty and InParty) and the same matching period acc. to ETSO MatchingPeriod) exists a document with a different ID, then an error code is generated and the RD is marked as Rejected
  - If for the new document with the criteria described above exists an already registered document with a same ID and the same or higher version, then an error code is generated and the RD is marked as Rejected
- Verification of the explicitness of the document's RD identifier:
  - If there is a document with a same ID and at least with one different entry: delivery day (ScheduleTimeInterval), processing type (Day-ahead/intraday acc. to ETSO ProcessType), owner RD (SubjectParty acc. to ETSO), diagram type (day-ahead/foreign, acc. to ETSO entry BusinessType), sell and buy side (acc. to ETSO OutPart and InParty), then an error code is generated and the RD is marked as Rejected
- Verification of the matching period (acc. to ETSO MatchingPeriod):
  - If it is a day-ahead diagram, then the matching period must comply with the time interval in the header of the document
  - If it is an intraday diagram then:

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- If the outer boundary of the end of the matching period is not the same as the outer limit of the end of the time interval in the header of the document, then an error code is generated (the matching period must end at the same time as the time interval stated in the header of the document) and the RD is marked as Rejected
  - If the outer boundary of the beginning of the matching period is not the same or higher then the outer boundary of the beginning of the time interval of the diagram in the header of the document, then an error code is generated (the matching period and the time interval stated in the header of the document are in a different range) and the RD is marked as Rejected
  - If there are in the system registered valid documents of the same type (internal or foreign, acc. to ETSO BusinessType) with a different identification (acc. to ETSO MessageIdentification), with a lower time stamp (acc. to ETSO MessageDateTime) and the period of matching of the already registered document is the same or wider, then an error code is generated (the matching period is becoming shorter over time) and the RD is marked as Rejected
- Verification of the diagram's time range:
    - If the version of the modified or the new time range is different to the version of the document, then an error code is generated and the RD is marked as Rejected
    - If the time interval of the time range is not the same as the time interval in the header of document, then an error code is generated and the RD is marked as Rejected
      - If not all time periods of the time range are stated in the defined interval (24 hours on a normal day, 23 hours when changing from CEST and 25 hours when changing to CET), then the RD is marked as Rejected.
  - Verification of the financial deposit: see Registration of RD data.

## 5.4 Announcement

During the process of receiving RDs the participants are being informed about the process and results of matching, through announcements generated electronically (announcement of the receipt or rejection of RDs is realized directly on the RRD screen, in a form of informative or error message, see Chapter **Chyba! Nenalezen zdroj odkazů. Chyba! Nenalezen zdroj odkazů.a**).

The reasons for generating different types of announcements regarding domestic day-ahead diagrams:

- **ESS.AnomalyReport** – is generated in the following cases:



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- Rejection of the diagram in the process of matching due to insufficient FS – announcement about the non-creation of a business position is sent to both of the counterparties
  - After an unsuccessful matching, both of the parties to the diagram are informed about the discrepancies in the RD
  - The diagram of the counterparty was not found during the final matching – the announcement is sent to both of the parties to the diagram
- **ESS.ConfirmationReport** – is generated in the case of:
  - Successful matching of RDs – it is a confirmation of the contracted values sent to the affected parties

The reasons for generating different types of announcements regarding foreign diagrams:

- **ESS.AnomalyReport** – is generated in the following cases:
  - Rejection of the diagram in the process of matching due to insufficient FS – announcement about the non-creation of a business position is sent to both of the counterparties
- **ESS.ConfirmationReport** – is generated in the case of:
  - Successful matching of RDs (FS check) – it is a confirmation of the contracted values sent to the affected parties

The messages sent to the participants are always in English.



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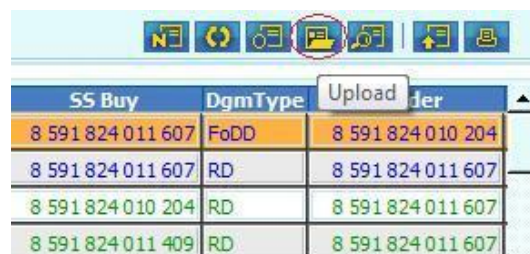
## 5.5 Creation of RDs through file upload

### 5.5.1 Access

This function may be accessed through the main menu by selecting the following options:

*Realization diagrams* → *Upload*

*Realization diagrams* → *Pop Up menu* → *Upload*



SS Buy	DgmType	Sender
8 591 824 011 607	FoDD	8 591 824 010 204
8 591 824 011 607	RD	8 591 824 011 607
8 591 824 010 204	RD	8 591 824 011 607
8 591 824 011 409	RD	8 591 824 011 607

Figure 16 RD Upload

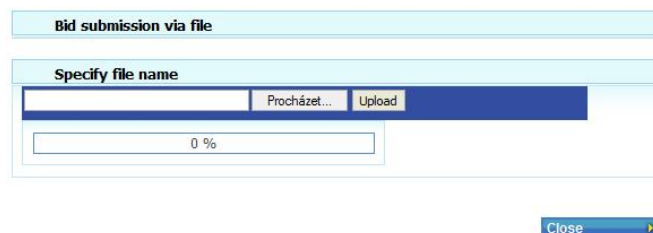


SS Buy	DgmType	Sender
8 591 824 011 607	FoDD	8 591 824 010 204
8 591 824 011 607	RD	
8 591 824 010 204	RD	
8 591 824 011 409	RD	
8 591 824 011 607	RD	
8 591 824 011 607	RD	
8 591 824 011 607	RD	

Figure 17 RD Upload - Pop Up

### 5.5.2 File format and its validation

In the application a window opens, where the participant may upload a file with the specifications of the RD. The appearance of the window is as follows (the button for browsing the computer depends on the language set up of the operating system):



Bid submission via file

Specify file name

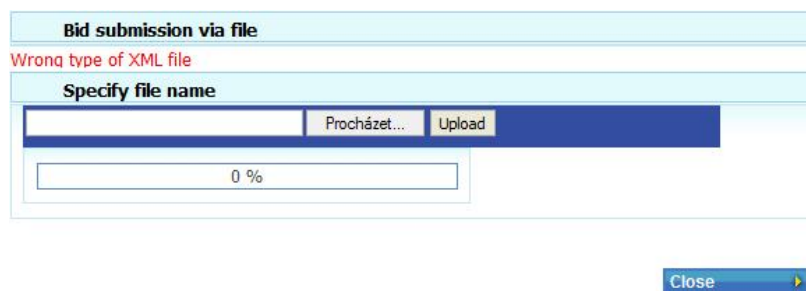
Procházet... Upload

0 %

Close

**indra****Figure 18 RD – Upload of a file**

Through the *Browse* button the user may select the respective file containing the offer. By clicking the button *Upload*, the XML file gets uploaded and a basic identification is performed, which detects the type of file that is being uploaded. Consequently, the RD is sent by clicking on the button *Send* and the user selects a certificate for signature (depending on the configuration of the business module). The application displays a window with a message stating whether the sent RD passed the validation or not. In the latter case the reasons of rejection will be detailed:

**Figure 19 File Upload Error**

The structure of the file is identical than in the case of automatic communication. The user manual of the AC specifies in detail the meaning of each entry. Here merely an example is given:

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="schedule-xsl.xsl"?>
<ScheduleMessage xmlns:ecl="etso-code-lists.xsd" xmlns:ecc="etso-core-cmpts.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="schedule-xml.xsd" DtdVersion="2" DtdRelease="3">
  <MessageIdentification v="20090901_A01_11XCEZ-CZ-----1_001"/>
  <MessageVersion v="1"/>
  <MessageType v="A01"/>
  <ProcessType v="A01"/>
  <ScheduleClassificationType v="A01"/>
  <SenderIdentification v="8591824010402" codingScheme="A10"/>
  <SenderRole v="A01"/>
  <ReceiverIdentification v="8591824000007" codingScheme="A10"/>
  <ReceiverRole v="A05"/>
  <MessageDateTime v="2009-08-31T09:30:30Z"/>
  <ScheduleTimeInterval v="2009-08-31T22:00Z/2009-09-01T22:00Z"/>
  <Domain v="10YDOM-CZ-DE-SKK" codingScheme="A01"/>
  <SubjectParty v="8591824010402" codingScheme="A10"/>
  <SubjectRole v="A01"/>
  <MatchingPeriod v="2009-08-31T22:00Z/2009-09-01T22:00Z"/>
  <ScheduleTimeSeries>
    <SendersTimeSeriesIdentification v="TS_001"/>
    <SendersTimeSeriesVersion v="1"/>
    <BusinessType v="A02"/>
    <Product v="8716867000016"/>
    <ObjectAggregation v="A03"/>
    <InArea v="10Y CZ-ČEPS-----N" codingScheme="A01"/>
    <OutArea v="10Y CZ-ČEPS-----N" codingScheme="A01"/>
    <InParty v="8591824010402" codingScheme="A10"/>
    <OutParty v="8591824011607" codingScheme="A10"/>
    <MeasurementUnit v="MAW"/>
    <Period>
      <TimeInterval v="2009-08-31T22:00Z/2009-09-01T22:00Z"/>
      <Resolution v="PT60M"/>
      <Interval>
        <Pos v="1"/>
        <Qty v="10"/>
      </Interval>
      <Interval>
        <Pos v="2"/>
        <Qty v="0"/>
      </Interval>
      <Interval>
        <Pos v="3"/>

```



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```
<Qty v="0"/>
</Interval>
<Interval>
  <Pos v="4"/>
  <Qty v="0"/>
</Interval>
<Interval>
  <Pos v="5"/>
  <Qty v="0"/>
</Interval>
<Interval>
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```

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    <OutParty v="8591824010402" codingScheme="A10"/>
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```





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```

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</ScheduleMessage>
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## 6 RESTORATION OF RD

### 6.1 Access

The users may restore RDs, thus create a new RD on the basis of a current RD. Restoration process may be carried through a menu either by clicking the *Restore* button or by selecting *Restore* through the *Pop Up menu*:

*RRD* →

*Realization diagrams* → *Restore*



SS Buy	Restore	Sender
8 591 824 011 607	FoDD	8 591 824 010 204
8 591 824 011 607	RD	8 591 824 011 607
8 591 824 010 204	RD	8 591 824 011 607
8 591 824 011 409	RD	8 591 824 011 607

Figure 20 RD Restore - Panel Realization diagrams – button Restore

*RRD* →

*Realization diagrams* → *Pop Up menu* → *Restore*



SS Buy	DgmType	Sender
8 591 824 011 607	FoDD	8 591 824 010 204
8 591 824 011 607	RD	
8 591 824 010 204	RD	
8 591 824 011 409	RD	
8 591 824 011 607	RD	
8 591 824 011 607	RD	
8 591 824 011 607	RD	

Figure 21 RD Restore - Panel Realization diagrams – Pop Up menu

### 6.2 Form for RD restoration

The user in the panel *Realization diagrams* select an RD that he wishes to restore and clicks on the button *Restore*. A *Window for RD restoration* is displayed. The user may modify the data and send it again. The necessary assumption for this action is the disposal of all necessary rights.

During the restoration of RDs the combination of key entries is controlled (key entries define explicitness and they are the following: delivery day; seller; buyer; diagram type; process type;



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owner). The user is notified about the key entry check and the ID and version of the diagram is retrieved from the system, which is increased, according to the combination of key entries.

Concerning the manipulation with data, the form for RD restoration is identical to the form for RD submission, except in the case of restoration the data of then selected RD is implicitly imported into the form. All the other functions and processes are identical to the process of RD creation.

**Restore of realization diagram**

**Identification**  
Document ID: 20091101\_A01\_10XCZ-116-----\_163  
Version: 1  
External time stamp: 10/29/2009 10:00 CET

**Header data**  
Delivery day: 11/01/2009  Owner: 8 591 824 011 607  
Transport type: Domestic RD Sender: 8 591 824 011 607  
Process type: Day ahead RD  
Matching period start: 1

**Data buy**  
☒ Realize  
Seller: 8 591 824 010 204 Buyer: 8 591 824 011 607  
Schedule ID: TS\_001 Schedule Version: 1  

Hour	1	2	3	4	5	6	7	8	9	10
Volume*	0,000	0,000	0,000	40,000	50,000	60,000	0,000	0,000	0,000	0,000

Hour	11	12	13	14	15	16	17	18	19	20
Volume*	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Hour	21	22	23	24
Volume*	0,000	0,000	0,000	0,000

**Data sell**  
☒ Realize  
Seller: 8 591 824 011 607 Buyer: 8 591 824 010 204  
Schedule ID: TS\_002 Schedule Version: 1  

Hour	1	2	3	4	5	6	7	8	9	10
Volume*	0,000	0,000	0,000	0,000	0,000	0,000	70,000	80,000	90,000	0,000

Hour	11	12	13	14	15	16	17	18	19	20
Volume*	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Hour	21	22	23	24
Volume*	0,000	0,000	0,000	0,000

\* mandatory field

Submit Close

Figure 22 Restoration of RDs



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## 7 CANCELLATION OF RD

### 7.1 Access

To quickly access this function, the user may proceed through the main screen by selecting the following options:

*RRD* →

From the RRD display an RD may be submitted solely through one Panel (*Realization diagrams*) by selecting the button *Cancel* or by right clicking on the chosen record and selecting *Cancellation* from the *Pop Up menu*:

*Realization diagrams* → *Cancellation*

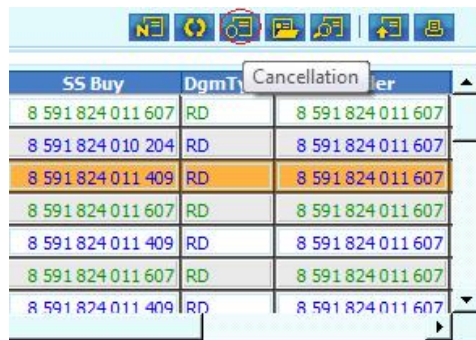
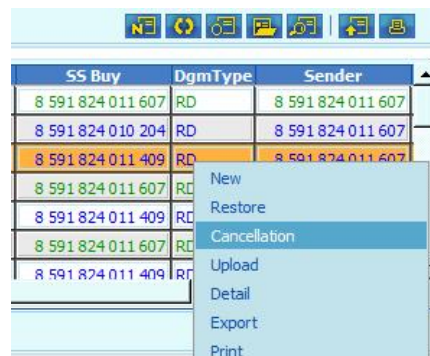


Figure 23 Cancellation RD – Panel Realization diagrams – button Cancellation

*Realization diagrams* → *Pop Up menu* → *Cancellation*



**indra****logica****OTE** **Figure 24 Cancellation RD – Panel Realization diagrams – Pop Up menu**

## 7.2 Cancellation RD

Cancellation of RD takes place by replacing the existing RD by zero values in all hours of the given delivery day. Cancellation in the case of matched diagrams must be carried out by:

- Both parties in the case of day-ahead domestic RDs
- Providers of data (the case of RDs offered by the Energy exchange or TSO, which are not being matched); both of the RDs are being cancelled (offered and generated automatically)

**In the case of automatic cancellation due to the change in the validity of the SS's or RMP's activity the process is similar, but it is done by the system.** Both of the parties to the RD and the provider of the data receive an e-mail message about the automatic cancellation of the RD.

Cancellation of realization diagram										
<b>Identification</b>										
Document ID:	20091029_A01_8591824011607_141									
Version:	1									
External time stamp:	10/28/2009 09:32 CET	Submission timestamp:	10/28/2009 09:32 CET							
<b>Header data</b>										
Delivery day:	10/29/2009	Owner:	8 591 824 011 607		Reasons:					
Diagram Type:	Internal RD	Sender:	8 591 824 011 607		3837 - Message fully accepted.					
Process type:	Day ahead RD									
Matching period start:	1									
<b>Data buy</b>										
Seller:	8 591 824 010 204		Buyer:	8 591 824 011 607						
SS Seller:	8 591 824 010 204		SS Buyer:	8 591 824 011 607						
Schedule ID:	TS_001		Schedule Version:	1						
Status:	Acknowledged									
Hour	1	2	3	4	5	6	7	8	9	10
Volume	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
Hour	11	12	13	14	15	16	17	18	19	20
Volume	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
Hour	21	22	23	24						
Volume	0,000	0,000	0,000	0,000						
<b>Data sell</b>										
Seller:	8 591 824 011 607		Buyer:	8 591 824 010 204						
SS Seller:	8 591 824 011 607		SS Buyer:	8 591 824 010 204						
Schedule ID:	TS_002		Schedule Version:	1						
Status:	Acknowledged									
Hour	1	2	3	4	5	6	7	8	9	10
Volume	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
Hour	11	12	13	14	15	16	17	18	19	20
Volume	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
Hour	21	22	23	24						
Volume	0,000	0,000	0,000	0,000						



Figure 25 Cancellation of RD

### 7.3 Announcement

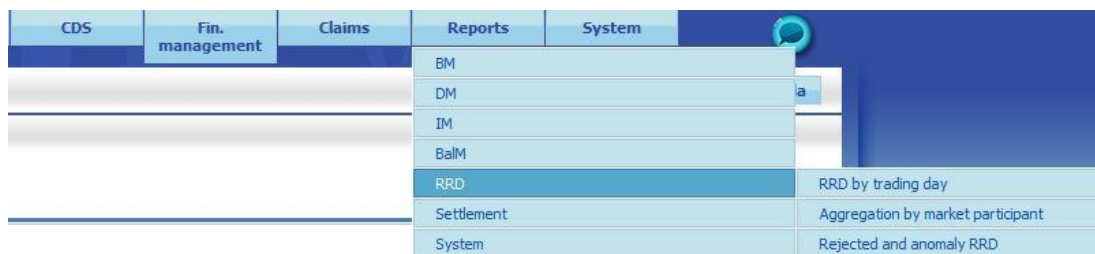
The process of cancellation is identical with the process of RD creation. The announcements to the participants are the same as in the case of RD creation, see Chapter **Chyba! Nenalezen zdroj odkazů. Chyba! Nenalezen zdroj odkazů.**

## 8 RRD REPORTS

### 8.1 Access

To access the reports the main menu may be used, by selecting the following options:

*Reports → RRD → RRD by trading day*  
*Aggregation by market participant*  
*Rejected and anomaly RRD*



**Figure 26 Reports**

### 8.2 General Functionalities

The report is enabled always on the basis if the signed in participant. For the Reports function a number of criteria may be used.





The data display depends on the inserted dates of *Delivery day from* and *Delivery day to*:

- When inserting the *Delivery day from* and *Delivery day to* the participant may either click on the icon next to the date field, select the respective year, month and day, or may insert the date manually in a format dd.mm.yyyy.
- In the case of some reports the field *Participant* is a compulsory field as well and then the system fills in the EAN code of the respective participant automatically. Participants with superior authority (OTE, ERU) the star convention may be used.

Furthermore, the user may see the details of the record by clicking on the *Detail* button. The buttons *Print* or *Export* are used to print or export to a specific file (pdf, excel, txt, xml) the selected document, respectively.

- Setup of buttons of the control panel jointly for all the reports:

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Operating element	Description
Toolbar	 (Detail), shows the detail if the record in the dialogue window. Active after selecting just one record.  (Export) serves for the export of data into standard format txt, pdf, xls, xml  (Print) serves for printing the data of the record through the connected printer.  (Modify) a window appears for setting up the appearance of the data. Serves to modify the selected view.
Pop Up menu	Detail – same as the toolbar „Detail“ Export - same as the toolbar „Export“. Print - same as the toolbar „ Print “. Modify - same as the toolbar „ Modify“.

**Table 10 Reports – Setup of buttons**

The detailed specification of the general functioning of the Reports menu (e.g. creation of previews, work with the fast filter and sorting, etc.) may be found in the user manual “*Web interface*”.

Within the selected reports detailed information of RDs is shown, including information about eventual errors and in some cases the provided information is solely of informative character specifying the status of the diagram.





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Detail										
<b>Identification</b>										
Document ID:	20091030_A01_8591824011607_76									
Version:	2									
External time stamp:	10/26/2009 16:54 CET	Submission timestamp:	10/26/2009 16:54 CET							
<b>Header data</b>										
Delivery day:	10/30/2009	Owner:	8 591 824 011 607			Reasons:				
Diagram Type:	Internal RD	Sender:	8 591 824 011 607			3837 - Message fully accepted.				
Process type:	Day ahead RD									
Matching period start:	1									
<b>Data buy</b>										
Seller:	8 591 824 011 409		Buyer:	8 591 824 011 607						
SS Seller:	8 591 824 011 409		SS Buyer:	8 591 824 011 607						
Schedule ID:	TS_001		Schedule Version:	2						
Status:	Anomaly		Unit:	MAW						
Hour	1	2	3	4	5	6	7	8	9	10
Volume	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
Hour	11	12	13	14	15	16	17	18	19	20
Volume	0,000	0,000	0,000	0,000	0,000	0,000	18,000	20,000	19,000	20,000
Hour	21	22	23	24						
Volume	0,000	0,000	0,000	0,000						
<b>Data sell</b>										
Seller:			Buyer:							
SS Seller:			SS Buyer:							
Schedule ID:			Schedule Version:							
Status:			Unit:							
Hour	1	2	3	4	5	6	7	8	9	10
Volume										
Hour	11	12	13	14	15	16	17	18	19	20
Volume										
Hour	21	22	23	24						
Volume										

Close

Figure 27 Detail RD

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## 9 TYPE OF REPORTS

### 9.1 RRD by trading day

#### 9.1.1 Access


To access the reports through the main menu the following options must be selected:

*Reports → RRD → RRD by trading day*

#### 9.1.2 Functionality

This option enables the user to review the data of each realization diagram in relation to the specific delivery day.

- Setup of buttons of the control panel of the report Product parameters:

Operating element	Description
Toolbar	 (Detail), provides detailed information about the marked RD in the lower part of the form.
Pop Up menu	Detail – same as the toolbar „Detail“

**Table 11 Report – RRD acc. to delivery day – Setup of buttons**

#### 9.1.3 Features

Entry	Value
Name:	RRD acc. to delivery day
Parameters:	1 – Participant – specifies the EAN of the participant (this parameter will be filled in at the initial presentation of the report) 2 – Delivery day from – specification of the beginning of the interval for selecting RDs 3 – Delivery day to – specification of the end of the interval for selecting RDs 4 – Diagram type (Domestic day-ahead, Foreign day-ahead, External intraday, All)
Note:	The report contains the amount of values in all hours (1-25) for enabling the export of sets of reports for the whole range of RD data (header and detail).

Order	Name	Content
S1	Document ID	Unique identifier of the realization diagram within the given day.
S2	Document version	Supplementary identifier, which together with the Document ID form the unique identifier of each diagram.

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S3	Time stamp of establishment	Internal time stamp of the system, identifying the date and time of the establishment of the record
S4	Delivery day	Day of delivery, when the diagram is valid.
S5	External time stamp	Time stamp of the creation of the message (of the diagram) in the external system.
S6	Processing type	Resolution of the diagram submission period (day-ahead, intraday) – acc. to ETSO Process Type
S7	Sender	EAN of the sender / submitter of the diagram (acc. to ETSO - Sender Identification). Identifies whether the participant submitted the diagram himself, or it was submitted by another participant (ČEPS, PXE, ČMKBK)
S8	Owner	EAN of the owner of the diagram (acc. to ETSO - Subject party). The entry contains always one of the parties to the RD.
S9	Diagram ID	Diagram ID within the document. The document may contain 2 time frames, one for sell and one for buy (expressed in relation to the owner of the diagram)
S10	Diagram Version	Diagram version within the document. It embodies the unique identifier of the diagram within the document together with diagram ID.
S11	Status	Identifies the diagram status.
S12	FS Attribute	Identifies the status of the FS of the diagram. For the possible values see below Registration of RD data. Displays only RMP with an OTE profile.
S13	Found error	If the RD was rejected, then the entry contains the identification of the error.
S14	Diagram type	Specifying the type of diagram (domestic/foreign) – acc. to ETSO Business type
S15	SS Seller	EAN of the participant (SS) on the sell side, which is the trade responsible. If the Seller is not an SS, then the entry specifies the identification of that SS, which is for the given RMP a defined default SS for the period that complies with the delivery day of the respective RD. If the seller is SS then the entry shows the same content as the entry Seller.
S16	Seller	EAN of the participant on the sell side SS or RMP (acc. to ETSO – In Party – Coding scheme)
S17	Buyer	EAN of the participant on the buy side (acc. to ETSO – In party – Coding Scheme)
S18	SS Buyer	EAN of the participant (SS) on the buy side, who is the trade responsible. If the Buyer is not an SS, then the entry specifies the identification of that SS, which is for the given RMP a defined default SS for the period that complies with the delivery day of the respective RD. If the buyer is SS then the entry shows the same content as the entry Buyer.
S19	Measurement Unit	The Measurement unit in which the technical data are submitted.
S20	Total amount	The total amount of energy for all the hours in a delivery day (MWh).
S21 – S35	Amount (H01 up to H025)	Energy of the individual hours of the delivery day in MWh's. The amount is always submitted in a form of positive value (acc. to ETSO – IntervalQty)

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## 9.2 Aggregation by market participant

### 9.2.1 Access

The report may be accessed through the main menu, by selecting the following options:

*Reports → RRD → Aggregation by market participant*

### 9.2.2 Functionality

This option enables the market participants to view the data of RDs on the basis of a specified trading day.

### 9.2.3 Features

Entry	Value
Name:	Aggregation by market participant
Parameters:	1 – User – EAN specification of the participant (at the initial preview this parameter will be automatically filled in by the value EAN 85918240) 2 – Delivery day – specification of RD delivery day
Note:	

Order	Name	Content
<b>Main entry</b>		
S 1	Type	Differentiation <b>Buy/Sell</b> . The column serves for aggregation by diagram type.
S 2-26	H01 ... H25	Aggregated amounts for a given delivery hour (eventual amounts of the successfully matched diagrams (MWh))
S 27	Tot:	Total amount for a given delivery day (MWh)
S 28	IdDgm	Diagram identifier that forms the aggregated position. In the case of foreign RDs the aggregated position is formed by the latest registered foreign RD of the respective parties.
S 29	Ver	The version and ID of the diagram represent the unique identifier of the diagram within the CS OTE system.
S 30	SS Sell	Identifier of the participant on the sell side, for whom the aggregation takes place (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
S 31	Seller	Identifier of the participant on the sell side (import) (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
S 32	Buyer	Identifier of the participant on the buy side (export) (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.

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S 33	SS Buy	Identifier of the participant on the buy side, for whom the aggregation takes place (EAN). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
S 34	DgmType	Diagram types (if applied): <b>RD</b> – realization diagram (including fixed diagrams) – contracted between SS/RMP a SS/RMP. <b>FoD</b> – foreign diagram – import/export from the system <b>FoDD</b> – foreign diagram day-ahead– import/export from the system <b>FoDI</b> – foreign diagram intraday – import/export from the system
S 35	Sender	Identifier of the provider of the diagram (EAN). Usually it is one of the parties to the diagram (buy/sell, export/import). In the details of the record the whole name of the market participant will be shown, as stated in the Prodis registration.
S 36	SbmTimeStamp	Submission Time Stamp – the moment when the diagram was received by the system.

## 9.3 Rejected and anomaly RD

### 9.3.1 Access


The report may be accessed through the main menu, by selecting the following options:

*Reports → RRD → Rejected and anomaly RD*

### 9.3.2 Functionality

This option enables the market participants to view the data of RDs on the basis of a specified trading day.

- Setup of the buttons on the control panel by the configuration Product parameters:

Operating element	Description
Toolbar	 (Detail), the details of the marked RD is displayed in the lower part of the form
Pop Up menu	Detail – same as the toolbar „Detail“

**Table 12 Features – Rejected and Anomaly RD – Button setup**

### 9.3.3 Features

Entry	Value
-------	-------

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Name:	Aggregation by market participant
Parameters:	1 –Participant – EAN specification of the participant (at the initial preview this parameter will be automatically filled in by the value EAN 85918240) 2 – Delivery day from– specification of the starting date of the RD selection 3 – Delivery day to – specification of the end day of the RD selection 4 – Diagram Type (Domestic day-ahead, Foreign day-ahead, Foreign Intraday, All)
Note:	The report displays only those diagrams that are in a status Rejected or Anomaly

Order	Name	Content
S1	Document ID	Unique identifier of the RD within the specific day.
S2	Document Version	Additional identifier, which together with the Document ID forms the unique identifier of each diagram.
S3	Submission Time Stamp	Internal submission time stamp, identifying the submission time and date of the record.
S4	Delivery day	Delivery day of the diagram.
S5	External Time Stamp	Submission Time Stamp of the creation of the diagram in the external system.
S6	Processing type	Diagram processing type (day-ahead, intraday) – acc. to ETSO Process Type
S7	Sender	EAN of the sender/submitter of the diagram (acc. to ETSO – Sender Identification). Identifies whether the participant submitted the diagram himself, or it was submitted by another participant (ČEPS, PXE, ČMKBK).
S8	Owner	EAN of the diagram owner (acc. to ETSO - Subject party). The entry contains always one of the parties to the diagram.
S9	Diagram ID	Diagram ID within the document. The document may contain two time frames, one for buy and one for sell (expressed in relation to the diagram owner)
S10	Diagram version	Diagram version with the document. The diagram version and ID make up together the unique identifier of the diagram.
S11	Status	Identifies the actual status of the diagram.
S12	FS flag	Identifies the status of FS of the respective diagram. For possible values see below Registration of RD data. <b>Only RMPs with an OTE profile are displayed.</b>
S13	Found error	If the RD was rejected the error identification is shown.
S14	Matching error - type	Description of possible error types while matching. Accepted values are: <ul style="list-style-type: none"> <li>• Insufficient DFS</li> <li>• Insufficient DFS of the counterparty</li> <li>• Different amounts</li> </ul>
S15	Diagram type	Diagram type specification (domestic/foreign) – acc. to ETSO Business type
S16	SS Seller	EAN of the participant (SS) on the sell side, who is the trade responsible. If the Seller is not an SS, then the entry displays the identification of that SS, which has been selected as the default SS for the given RMP and period. If the seller is a SS then the content of the entry is the same as the entry Seller.
S17	Seller	EAN of the participant on the sell side of SS or RMP (acc. to ETSO In party – Coding scheme)

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S18	Buyer	EAN of the participant on the buy side of SS or RMP (acc. to ETSO In party – Coding scheme)
S19	SZ Kupující	EAN of the participant (SS) on the buy side, who is the trade responsible. If the Buyer is not an SS, then the entry displays the identification of that SS, which has been selected as the default SS for the given RMP and period. If the seller is an SS then the content of the entry is the same as the entry Buyer.
S20	Measurement Unit	The measurement unit that is set for the technical data (acc. to ETSO Measurement unit)

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