Innovated solution for Gas IM

Agenda

Agenda

10:00 – 10:15 Welcome

10:15 – 10:45 Changes in IM

10:45 – 11:50 Trading Screen

11:50 – 12:20 Q&A

12:20 – 13:20 Lunch Break

13:20 – 14:00 Launcher Manager, IM limit

14:00 – 14:30 Q&A

14:30 – 15:00 Closing Speech – Next Steps

How to ask questions?

Please, send them by email to : spot-markets@ote-cr.cz
The questions will be answered during the dedicated sessions or by email after WS.

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Organized OTE short-term markets

Organized markets power

- **Block market** (since 1.2.2008) Continuous matching
- **Day-ahead market** (since 2002, Market coupling since 2009) Daily auction - Coupled with SK,HU and RO since 2014)
- **Intraday market** (since 1.1.2004)
- **Balancing market with** regulating energy

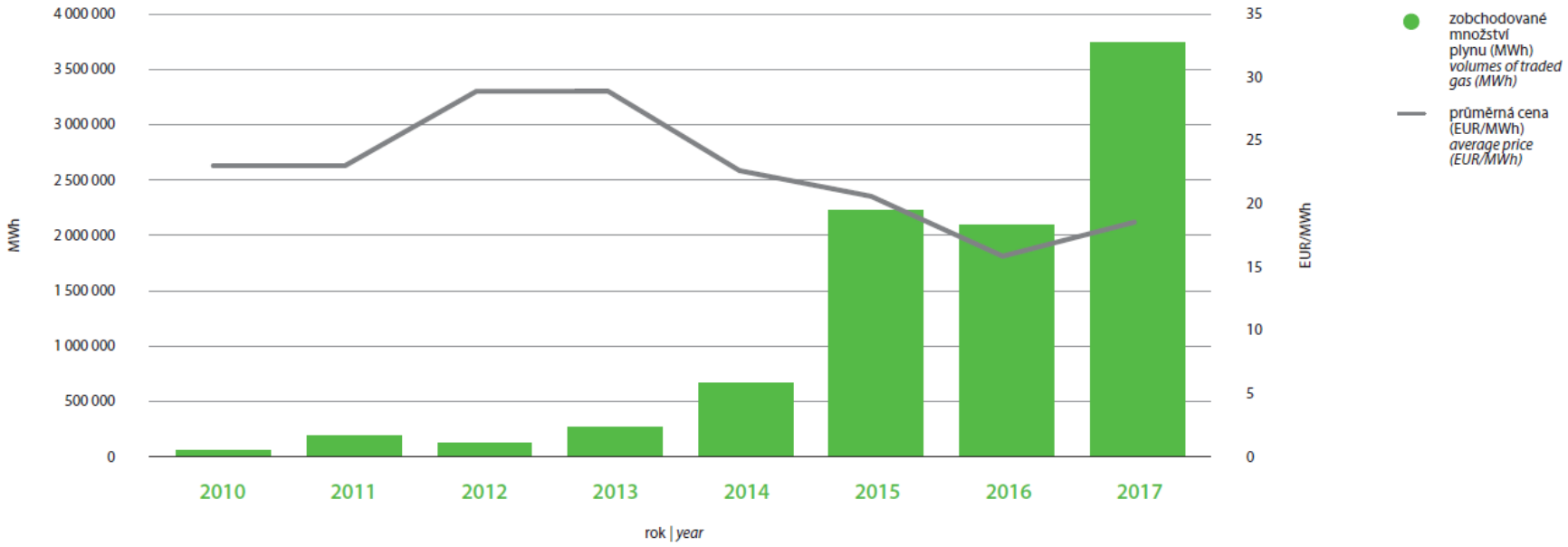
Organized markets gas

- **Intraday gas market** Continuous matching – since April 2010)
- **Unused Flexibility market** ex-post market (2016)

The organized short-term market in the Czech Republic is an important form of electricity and gas trading. Due to significant liquidity growth in particular in the past years it provides market participants with a solid guarantee that they are able to purchase or sell the respective commodity even at short notice before the delivery date (day, hour) in response to the current situation in system or in their production or consumption portfolio. The objective and purpose of the short-term market is to reduce imbalance risk and to increase security and reliability of supply in both commodities.

Trends

Volumes of traded gas and average prices on the intraday gas market in 2010–2017



In 2017, a total of 3,747 GWh was traded on the intraday gas market, representing an increase in the traded volume of 79.4% year-on-year and a new annual high.

Total amount of gas traded on the IM from 2010 is more than 11 TWh.

Number of active gas market participants is growing, there are approx. 100 gas market participants, including significant number of foreign companies.

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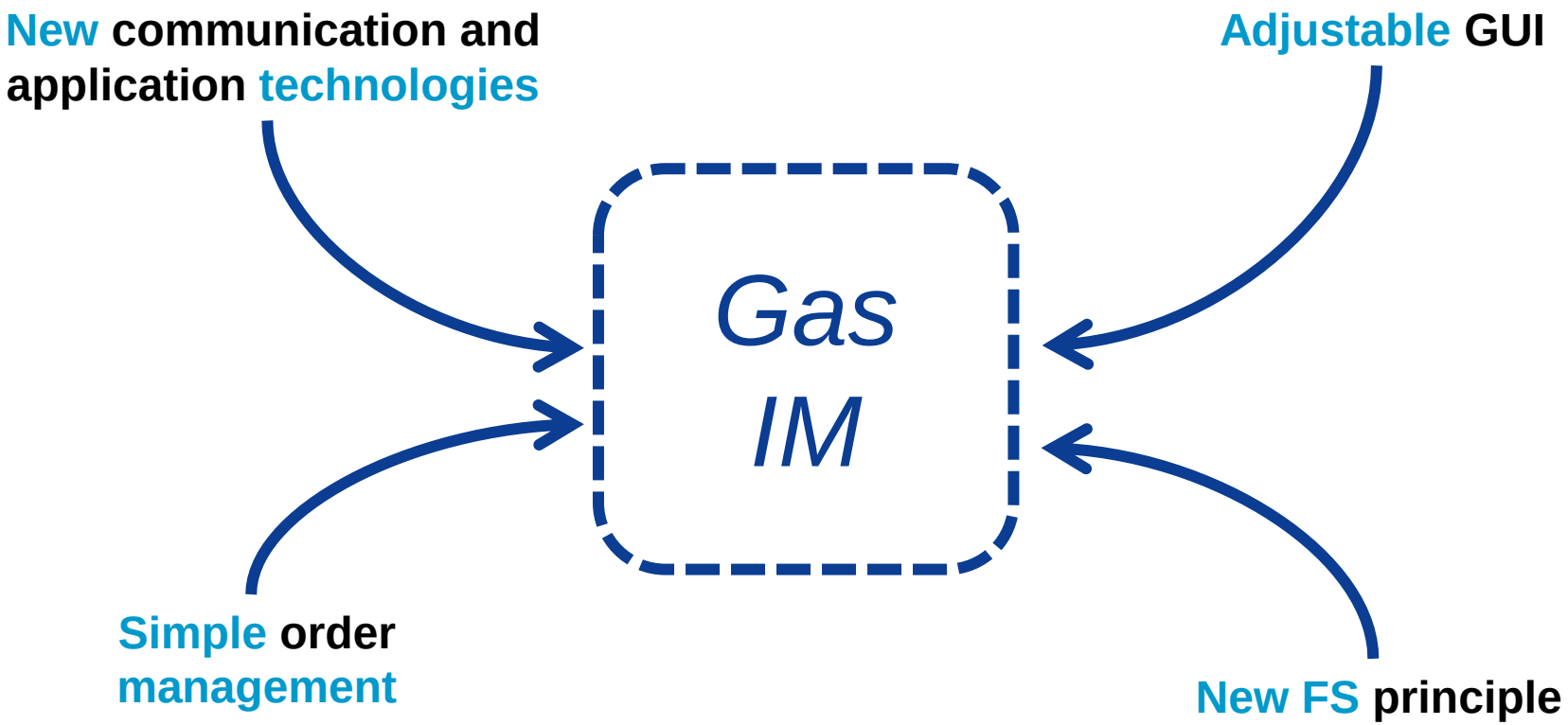
Combining opportunities with markets

Innovated IM solution OTE-COM, developed by OTE, a.s., including an application for trading on Intraday Gas Market in the Czech Republic, allows quick response to the current market situation 365 days a year.

OTE has very good experience with similar application on Intraday Electricity Market.



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Implementation timeline

12/2017	• **Start of work on the innovated platform**
3-7/2018	• **Implementation and internal testing** • **Publication of the interface specification**
8-9/2018	• **Testing with Market Participants** • **Testing evaluation**
9/2018	• **Expected go-live 26.9.2018**

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Testing with Market Participants

- **Testing Period**
  - from 27.8.2018 to 7. 9. 2018

- **Organisation**
  - The OTE-COM application and also AMQP automatic communication for the testing environment will be available on 10th August
  - In case of automatic communications through the AMQP server, connectivity tests to be performed from 13th August 2018
  - Individual testing by market participants
  - On-call OTE support (phone, email)

- **How to report the findings from the testing**

  - Please, send them by email to : spot-markets@ote-cr.cz

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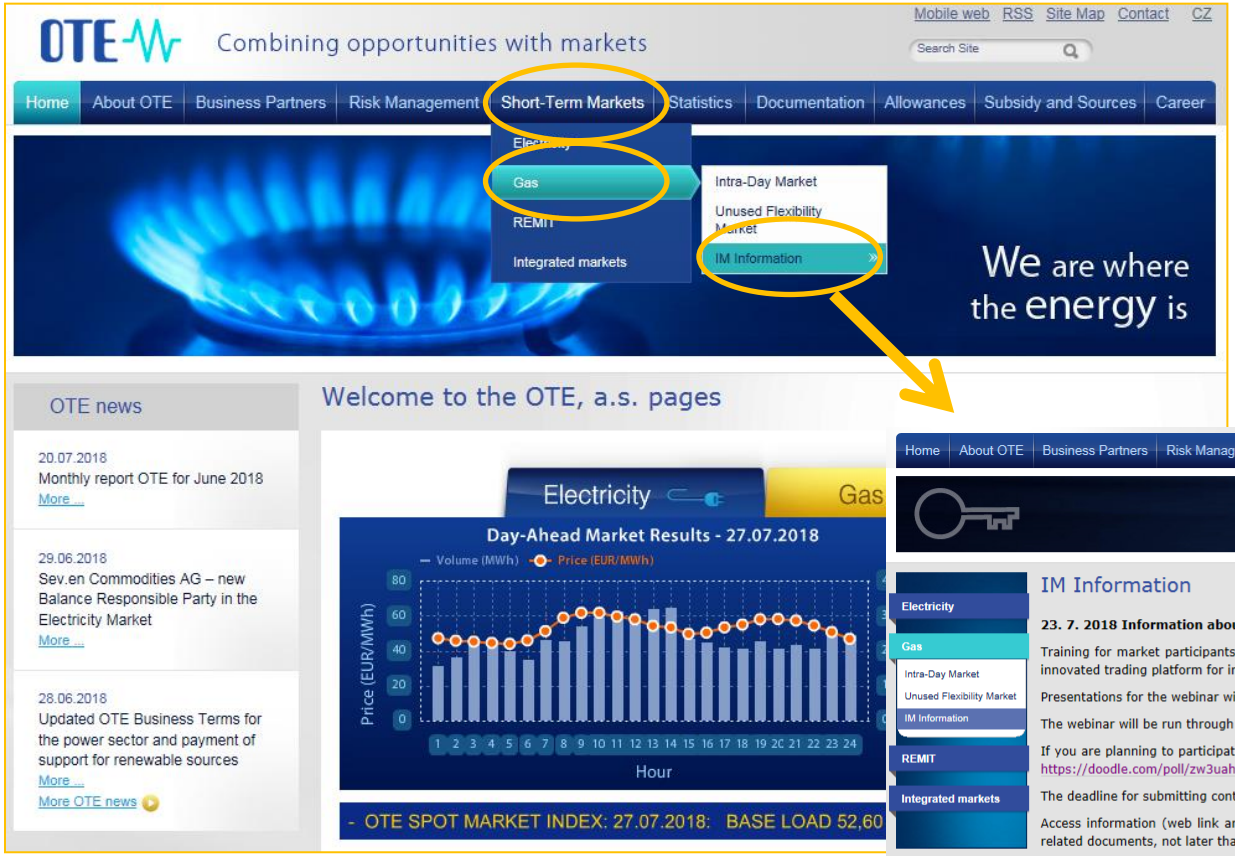
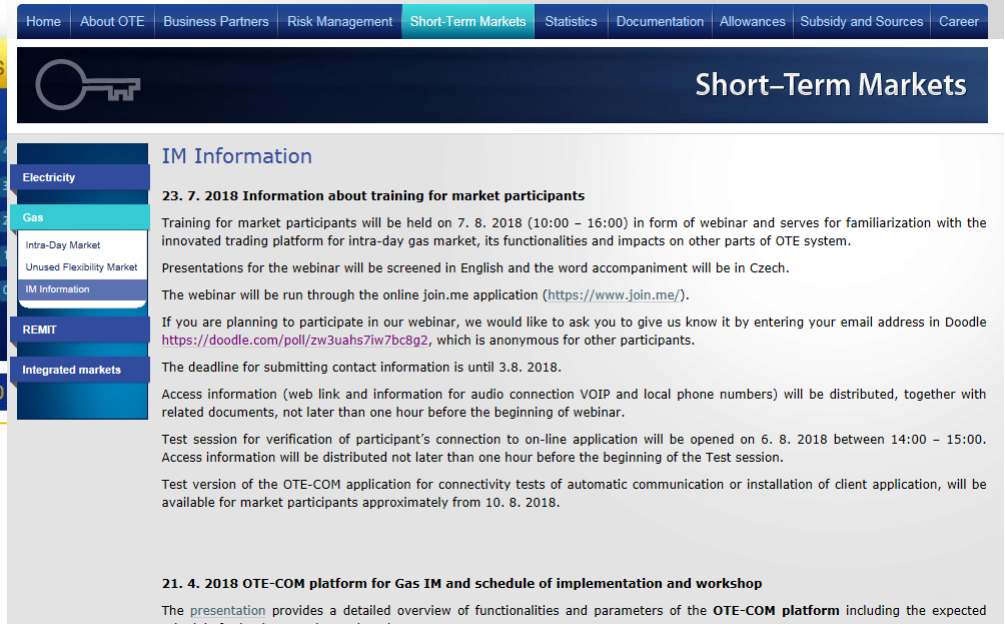
……all relevant information

http://www.ote-cr.cz/short-term-markets/gas/im-information





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The main changes of the trading on the Intraday gas Market (IM)

Agenda

Products/Contracts/Orders

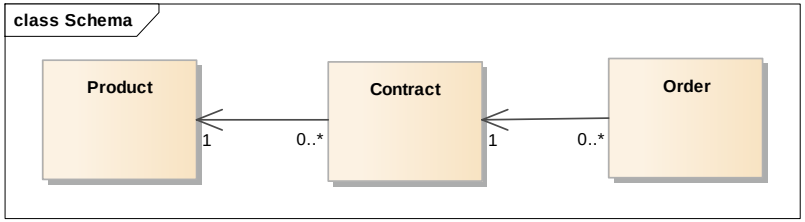
- IM products
- The types of IM orders
- The execution and time restrictions of IM orders

User’s settings

- Common user parameters
- Trade user parameters
- User parameters of order limits

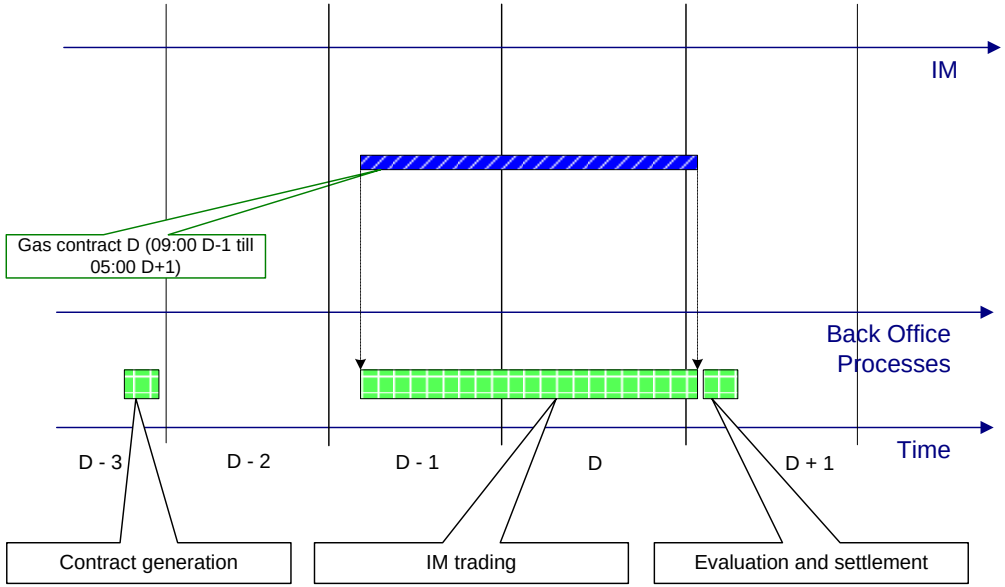
Products/Contracts/Orders

- The logical schema: Product – Contract - Order



Supported IM products:
- a daily gas *product*

- Time contract dependences on IM



Products/Contracts/Orders

- The order types
  - *Limit order*
  - *Iceberg* – total qty, peak qty, price delta. A peak qty is shown on the trading screen, automatic publishing another peak qty when the existing one is fully traded. A price of another peak quantity can be either the same or can be increased/ decreased by defined price delta value.
- The execution restrictions
  - *FOK (Fill or Kill)* – total order quantity shall be traded in one moment immediately after entering the system.
  - *IOC (Immediate or Cancel)* – any order quantity shall be traded in one moment immediately after entering the system.
  - *None* – an order can be traded immediately, or gradually, namely compared to one or more orders when creating one or more trades.

Products/Contracts/Orders

- The time restrictions
  - *GFS (Good for session)* – an order stays in the order book till the end of the relevant contact trading
  - *GTD (Good till date)* – an order stays in the order book till a specified validity time validity (date and time), if not fully traded.

- Order execution/ time restrictions allowed on the individual markets

Available combination / Unsupported combination	FOK	IOC	NON
Limit order	No time Restriction	No time Restriction	GTD or GFS
ICEBERG	No time Restriction	No time Restriction	GTD or GFS

User's settings

Common user parameters

- Settings of an application language (defaultly according to OS)
  - Czech/ English
- Settings of Number and Date/Time items formats – for English
  - Decimal symbol (defaultly „dot"), Digit grouping symbol (defaultly „comma")
  - Short Date/Time (for example „7/4/2016"/„04:10 PM")
  - Long Date/Time (for example „Monday, July 04, 2016"/„16:10:09")
  - First day of week (defaultly „Sunday")
- Settings of Number and Date/Time items formats – for Czech
  - Decimal symbol (defaultly „comma"), Digit grouping symbol (defaultly „gap")
  - Short Date/Time (for example „4.7.2016"/„16:10")
  - Long Date/Time (for example „4.července 2016"/„16:10:09")

User's settings

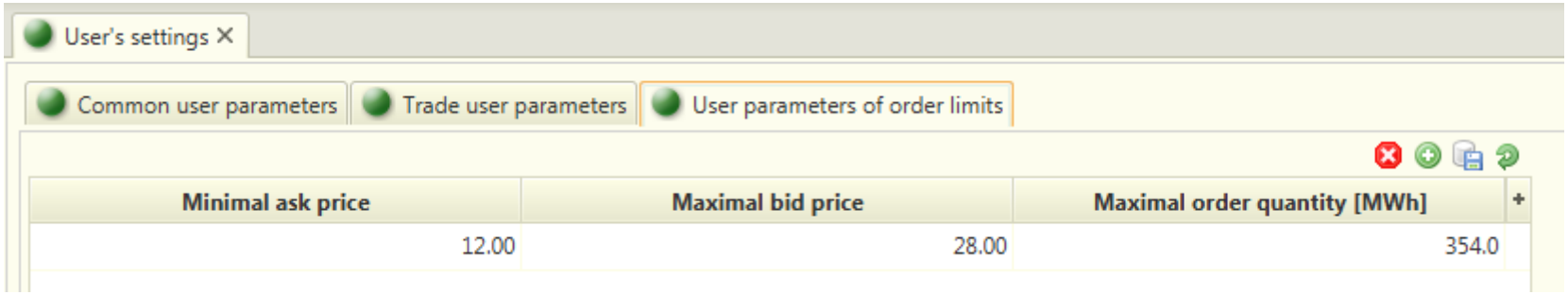
Trade user parameters

- Action confirmation (used for a confirmation of the order actions: create/modify, activate/deactivate, delete)
  - Default value: „allowed"
- Auto save of a screen layout
  - Default value: „allowed" – all user's changes of layouts settings are saved
- Orders deactivation after a client disconnection
  - Default value: „disallowed"
- Orders deactivation due to a client inactivity
  - Default value: „disallowed"
- Timeout for disconnection when idle
  - Default value: 30 min
- Sound notification of own IM gas trade
  - Default value: „allowed" (Windows Notify Email.wav)

User's settings

User parameters of order limits

- Minimal bid price [Eur/MWh]
- Maximal ask price [Eur/MWh]
- Maximal order quantity [MWh]



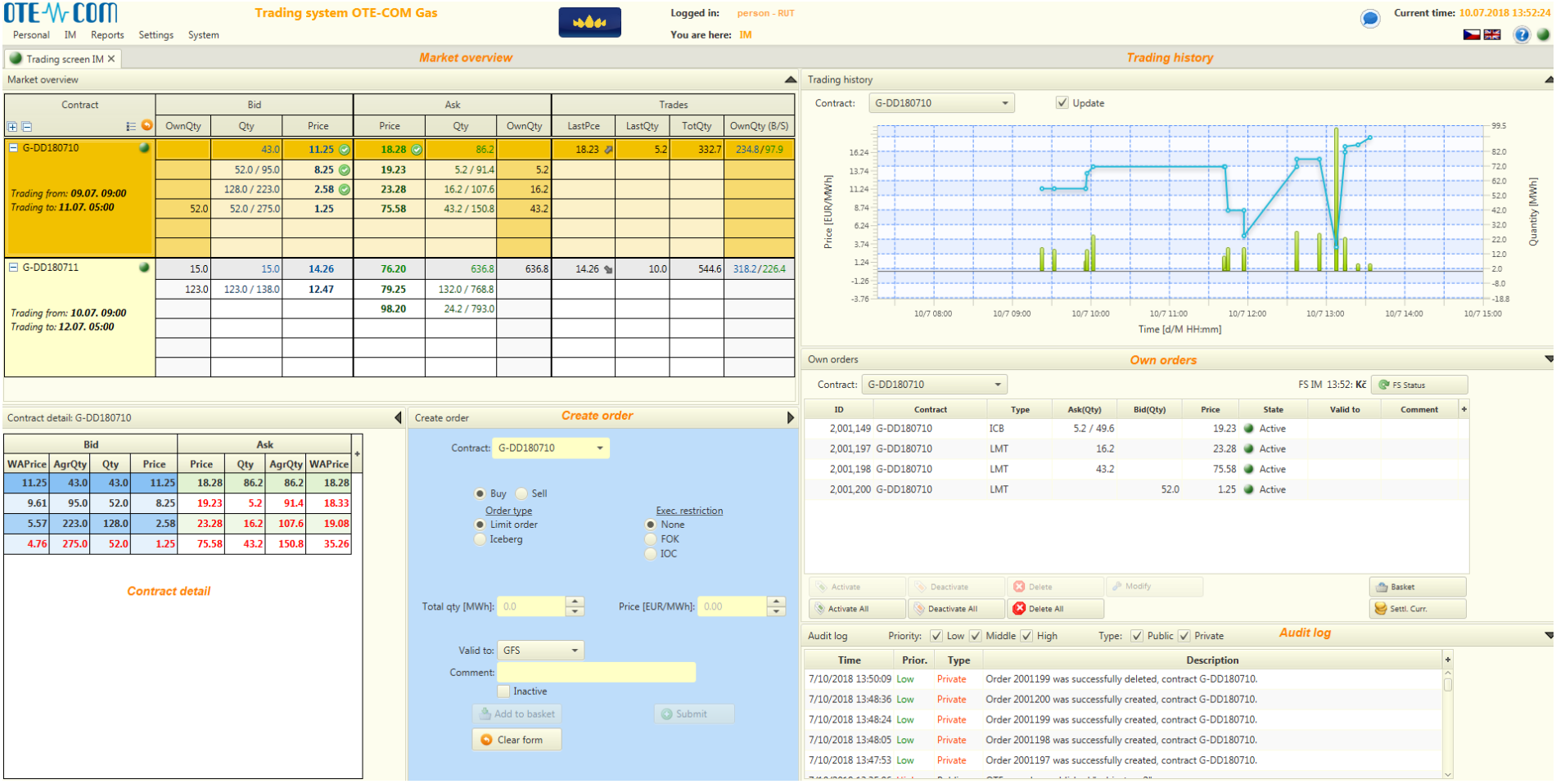
Introduction to the IM trading screen

Agenda

- The concept of trading screen
- The panes
  - Market overview
  - Contract detail
  - Create order
  - Trading history
  - Own orders
  - Audit log
- IM reports

The concept of trading screen

- Trading screen IM - divided into 6 panes



The concept of trading screen

- Saving the trading screen layout by the user (in case of adjustment)
- Detaching the trading screen out of application window
- Quick order creation (using hot keys CTRL+1/ CTRL+2)
- Quick reaction on current orders on Market overview (using the button *„Accept order“*), not available for own orders
- The custom layout definition (using predefined layout templates and panes)
- Displays the current FS status (in currency CZK/EUR)
- Setting the IM settlement currency

IM Market overview pane

- Displays orders and arising trades in a structure for the particular contract
- Displayed contracts: Issued/ Opened/ Closed/ Inactive
  - Operating items, a traffic light
  - A colour indication of issued/ closed contract
  - Expanding contract – top 6 bids/ asks with the highest/ lowest price
- Bid/ Ask: own qty, qty/aggregated qty, price
  - A visual indication of qty/price changes for top 6 bids/ asks
  - A button „*Accept order*“ – a quick creation of the order with opposite side and exec. restriction *FOK* (not available for own orders)
- Trades: last price, last qty, total qty, own qty divided into buy and sell qty

Contract detail pane

- Displays all active orders related to the contract selected in *Market overview* pane
- Own orders distinguished by red color
- Automatic pane refresh (based on the selected contract)
- Bid/ Ask: weighted average price, qty, aggregated qty, price
- Contract detail:
  - bids are sorted according to price in descending order
  - asks are sorted according to price in ascending order

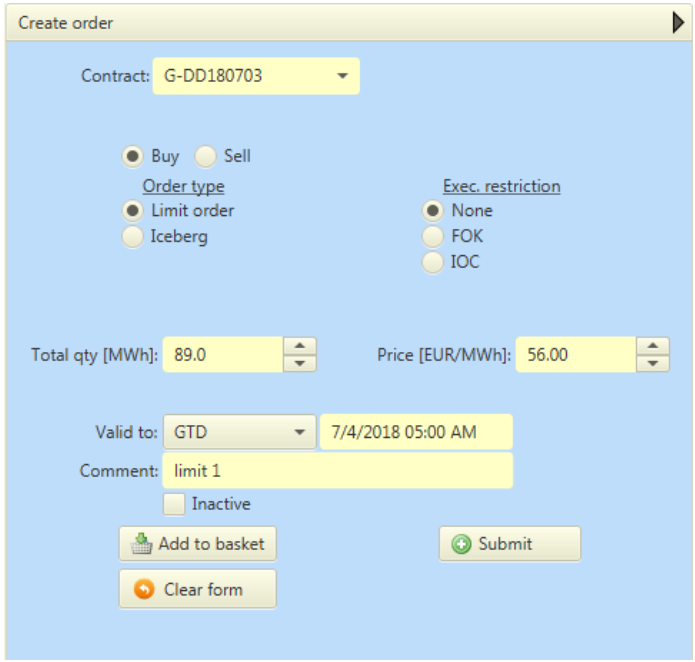
Contract detail: G-DD180710

Bid				Ask				+
WAPrice	AgrQty	Qty	Price	Price	Qty	AgrQty	WAPrice	
11.25	43.0	43.0	11.25	18.28	86.2	86.2	18.28	
9.61	95.0	52.0	8.25	19.23	5.2	91.4	18.33	
5.57	223.0	128.0	2.58	23.28	16.2	107.6	19.08	
4.76	275.0	52.0	1.25	75.58	43.2	150.8	35.26	

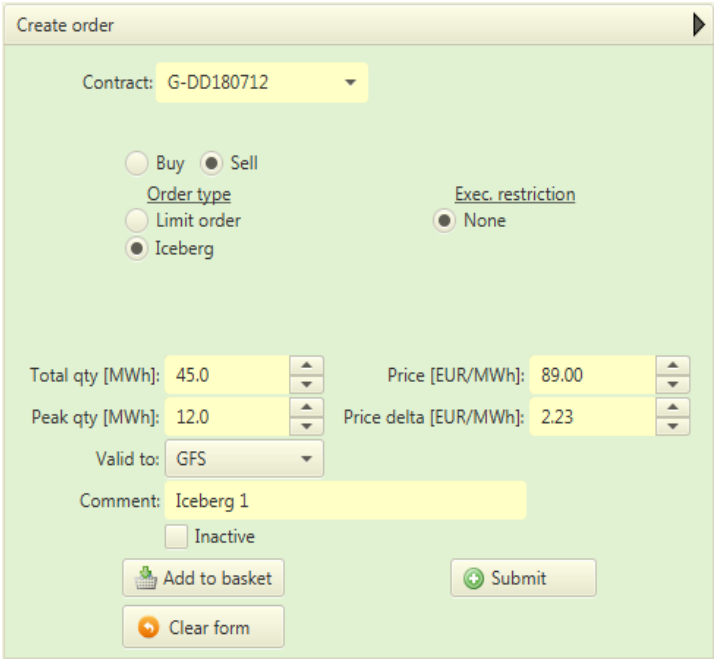
Create order pane

- Submits bids/ asks related to the selected contract to the system
  - Limit order – total qty, price, time and execution restriction, inactive flag
  - Iceberg – total qty, price, peak qty, price delta, time and execution restriction, inactive flag
- Adds bid/ ask to the basket
- Market participant may create inactive bid for issued/ opened contract
- Quick bid/ ask creation (using hot keys CTRL+1/ CTRL+2)

Limit order

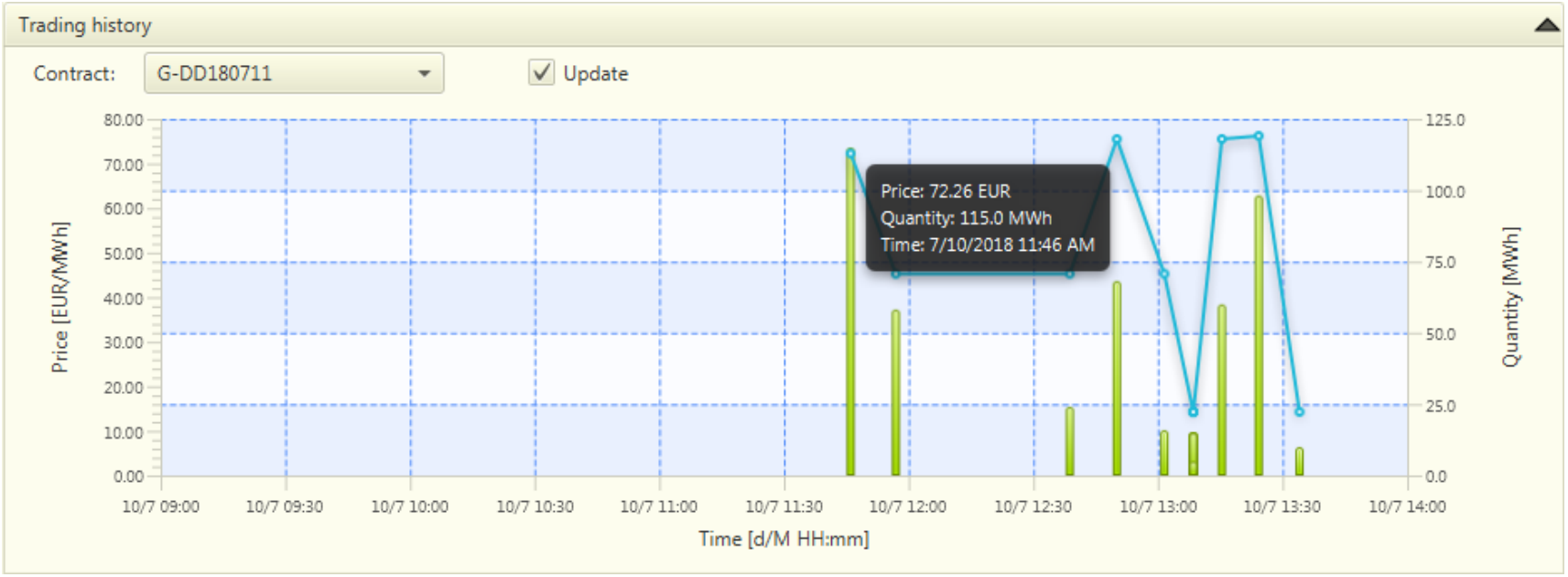


Iceberg order



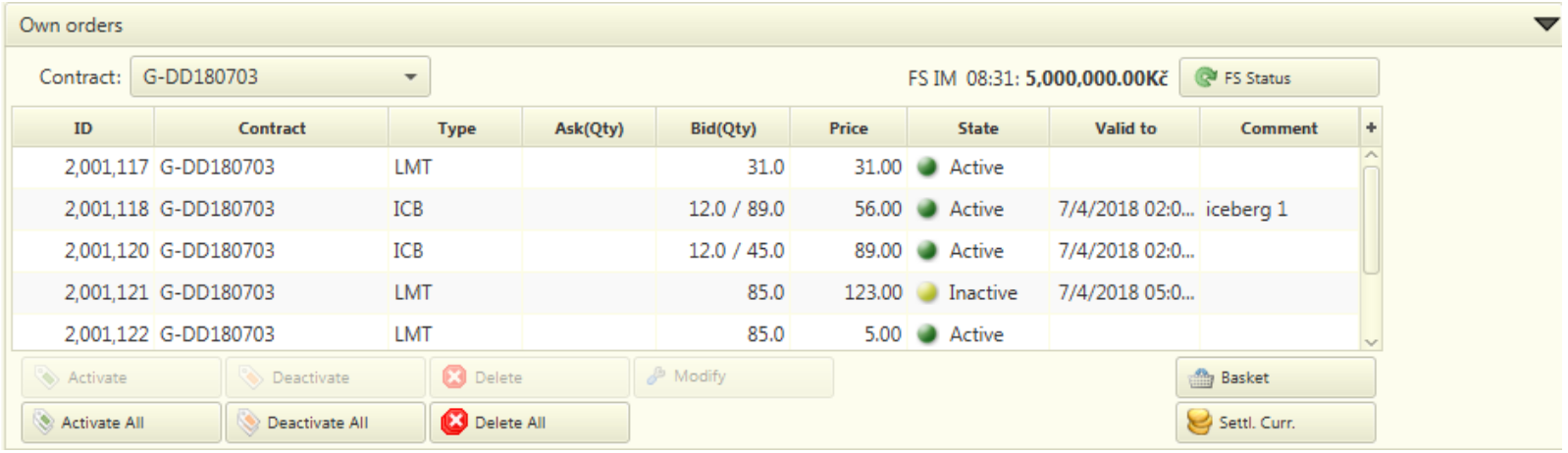
Trading history pane

- Displays the progress of traded quantity/ prices related to the selected contract
- Automatic pane refresh (after trade creation)
- Data zoom
- Additional trade information (price, quantity, trade timestamp) displayed in the tooltip



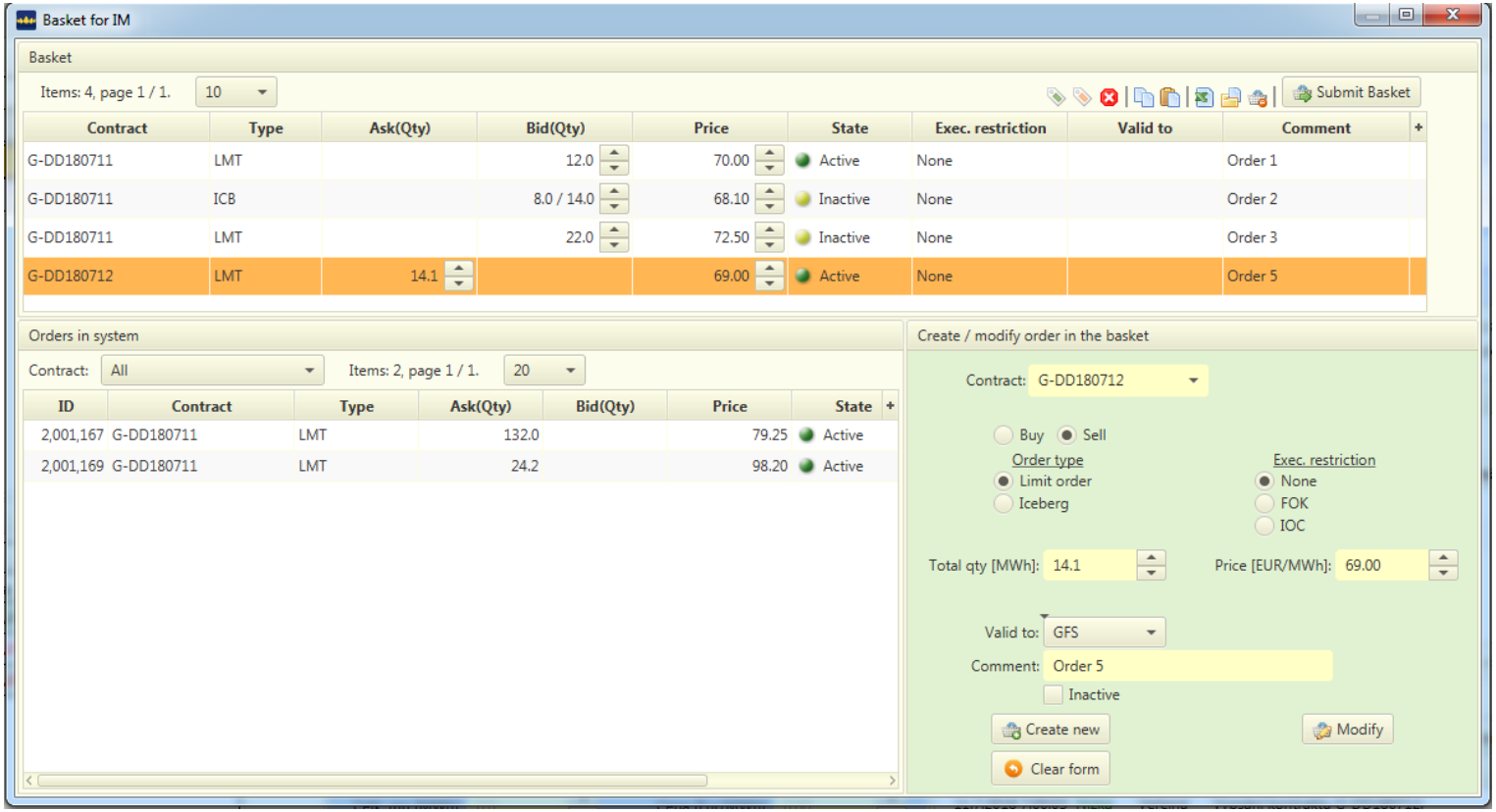
Own orders pane

- Displays all active/ inactive orders related to the selected contract
- Automatic pane refresh (based on the contract selected in *Market overview* pane)
- Operating items:
  - *FS status* - detection of current off-line limits of the participant
  - *Activate / Activate all* - activation of selected inactive orders/ all inactive orders
  - *Deactivate / Deactivate all* - deactivation of selected active orders/ all active orders
  - *Delete / Delete all* - deletion of selected orders/ all orders
  - *Modify* - modification of selected order
  - *Basket* - opens window for the mass order maintenance
  - *Settl. curr.* – setting of currency settlement for the given delivery day



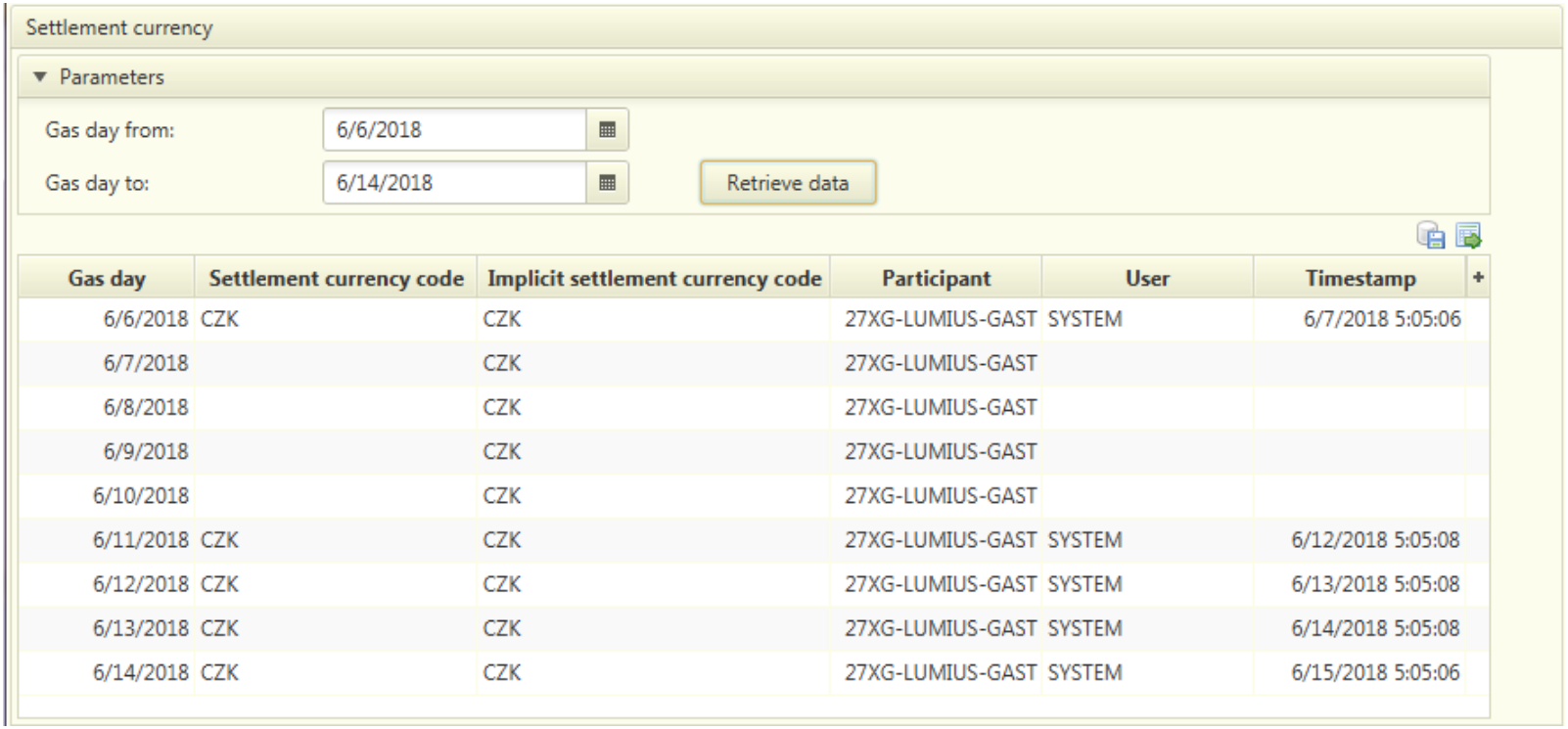
The Basket

- Enables the mass order creation and/or modification without immediate submitting to the system
- The Basket is divided into 3 panes (Basket, Orders in system, Create/modify order in the basket)
  - Copy/ paste insertion from excel file
  - csv file upload



The setting of IM settlement currency

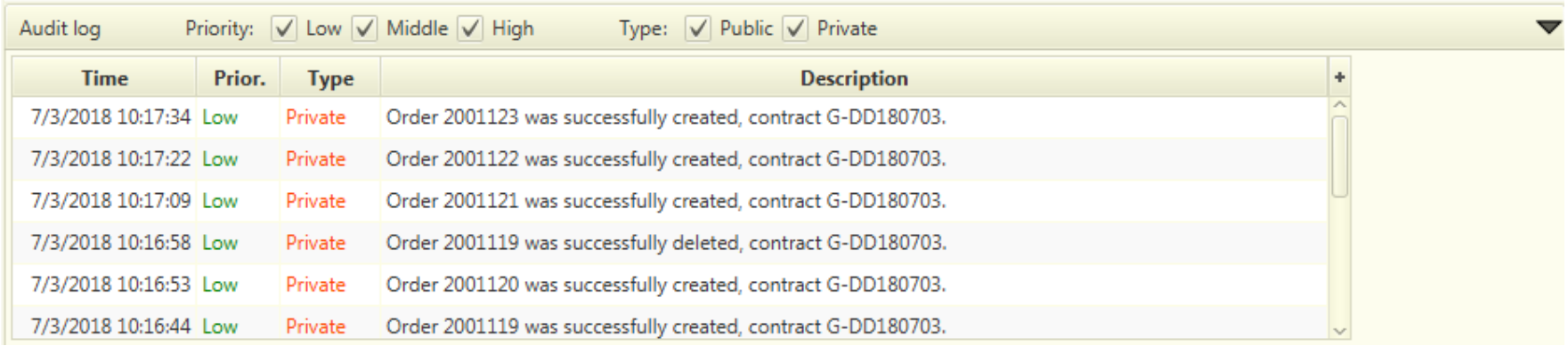
- Enables to set the IM settlement currency for the delivery day (D) 10 minutes before the trading starts (8:50; D-1)
- If not set by a participant, the implicit value is taken from Balance Responsible Party settings when the contract is closed



Gas day	Settlement currency code	Implicit settlement currency code	Participant	User	Timestamp
6/6/2018	CZK	CZK	27XG-LUMIUS-GAST	SYSTEM	6/7/2018 5:05:06
6/7/2018		CZK	27XG-LUMIUS-GAST		
6/8/2018		CZK	27XG-LUMIUS-GAST		
6/9/2018		CZK	27XG-LUMIUS-GAST		
6/10/2018		CZK	27XG-LUMIUS-GAST		
6/11/2018	CZK	CZK	27XG-LUMIUS-GAST	SYSTEM	6/12/2018 5:05:08
6/12/2018	CZK	CZK	27XG-LUMIUS-GAST	SYSTEM	6/13/2018 5:05:08
6/13/2018	CZK	CZK	27XG-LUMIUS-GAST	SYSTEM	6/14/2018 5:05:08
6/14/2018	CZK	CZK	27XG-LUMIUS-GAST	SYSTEM	6/15/2018 5:05:06

Audit log pane

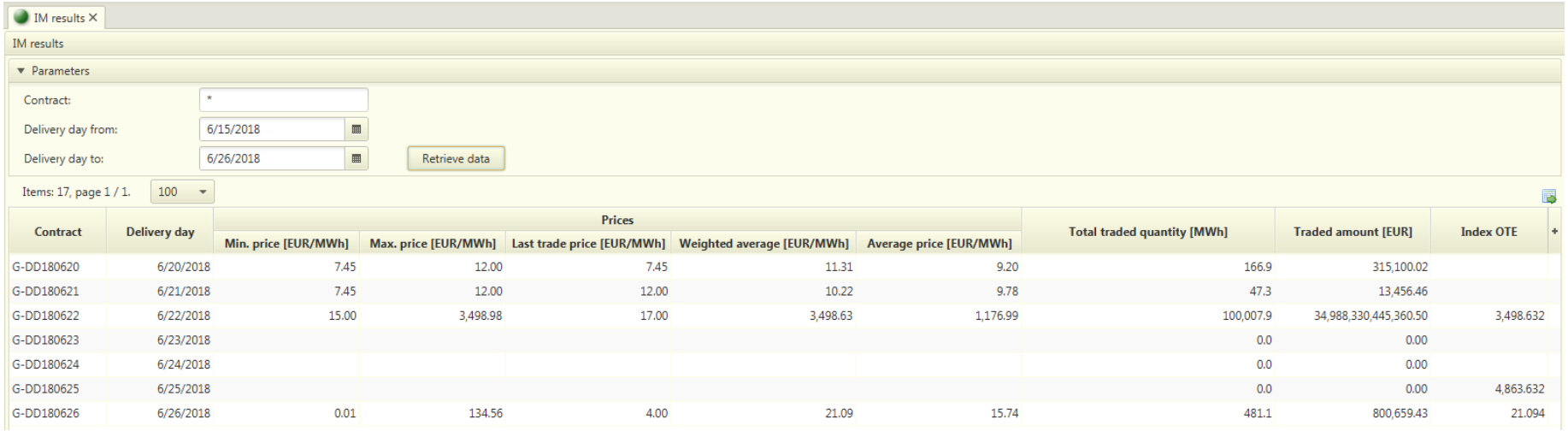
- Informs the user about user and system events on IM
- Only last 100 messages are displayed
- Filtering messages by Priority and Type
- A message type (Private/ Public) and priority (Low/ Medium/ High) distinguished by colour



Time	Prior.	Type	Description
7/3/2018 10:17:34	Low	Private	Order 2001123 was successfully created, contract G-DD180703.
7/3/2018 10:17:22	Low	Private	Order 2001122 was successfully created, contract G-DD180703.
7/3/2018 10:17:09	Low	Private	Order 2001121 was successfully created, contract G-DD180703.
7/3/2018 10:16:58	Low	Private	Order 2001119 was successfully deleted, contract G-DD180703.
7/3/2018 10:16:53	Low	Private	Order 2001120 was successfully created, contract G-DD180703.
7/3/2018 10:16:44	Low	Private	Order 2001119 was successfully created, contract G-DD180703.

IM reports

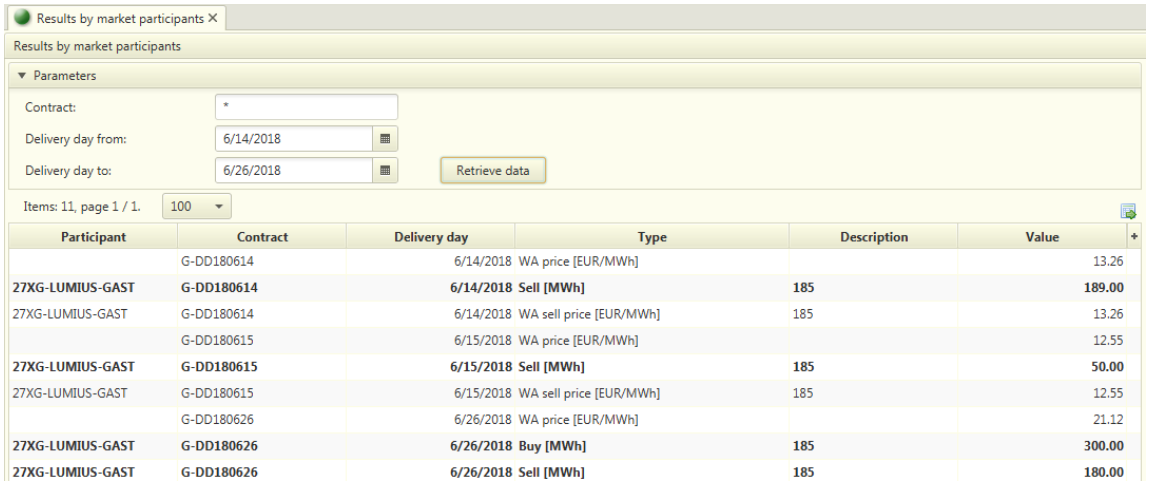
- Contract list - displays an overview of generated IM contracts in defined period
  - Parameters: *Delivery day from/ to, Product type*
- Order overview - displays a list of all own orders in all states
  - Parameters: *Contract, Date from/ to, Buy/ Sell, Order state, Product type*
- Trades overview by delivery day – displays an overview of own trades
  - Parameters: *Contract, Date from/ to*
- Orders-Trades – displays a detailed overview of own orders and related trades
  - Parameters: *Contract, Date from/ to*
- IM Results - displays an overview of aggregated trading results when the contract is closed
  - Parameters: *Contract, Delivery day from/ to*



Contract	Delivery day	Prices					Total traded quantity [MWh]	Traded amount [EUR]	Index OTE
		Min. price [EUR/MWh]	Max. price [EUR/MWh]	Last trade price [EUR/MWh]	Weighted average [EUR/MWh]	Average price [EUR/MWh]			
G-DD180620	6/20/2018	7.45	12.00	7.45	11.31	9.20	166.9	315,100.02	
G-DD180621	6/21/2018	7.45	12.00	12.00	10.22	9.78	47.3	13,456.46	
G-DD180622	6/22/2018	15.00	3,498.98	17.00	3,498.63	1,176.99	100,007.9	34,988,330,445,360.50	3,498.632
G-DD180623	6/23/2018						0.0	0.00	
G-DD180624	6/24/2018						0.0	0.00	
G-DD180625	6/25/2018						0.0	0.00	4,863.632
G-DD180626	6/26/2018	0.01	134.56	4.00	21.09	15.74	481.1	800,659.43	21.094

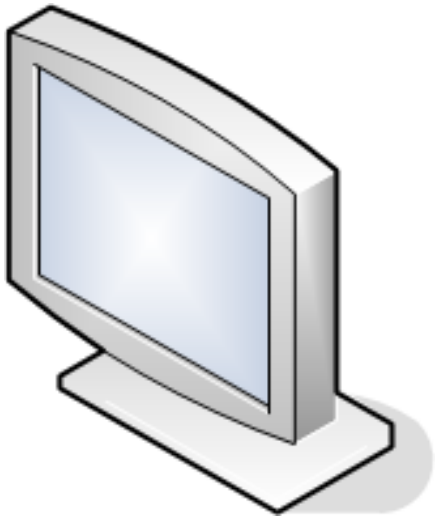
IM reports

- IM results – displays an overview of aggregated trading results on IM
  - Parameters: *Contract, Delivery date from/ to*
- Trades overview by market participants – displays an anonymous overview of all trades on IM
  - Parameters: *Contract, Date from/ to*
- Results by market participants – displays an overview of own aggregated trading results with contracts
  - Parameters: *Contract, Delivery day from/ to*
- Price of last known trade by GMR - displays a last known trade price on IM based on Gas Market Rules
  - Parameters: *Contract*



Participant	Contract	Delivery day	Type	Description	Value
	G-DD180614	6/14/2018	WA price [EUR/MWh]		13.26
27XG-LUMIUS-GAST	**G-DD180614**	**6/14/2018**	**Sell [MWh]**	**185**	**189.00**
27XG-LUMIUS-GAST	G-DD180614	6/14/2018	WA sell price [EUR/MWh]	185	13.26
	G-DD180615	6/15/2018	WA price [EUR/MWh]		12.55
27XG-LUMIUS-GAST	**G-DD180615**	**6/15/2018**	**Sell [MWh]**	**185**	**50.00**
27XG-LUMIUS-GAST	G-DD180615	6/15/2018	WA sell price [EUR/MWh]	185	12.55
	G-DD180626	6/26/2018	WA price [EUR/MWh]		21.12
27XG-LUMIUS-GAST	**G-DD180626**	**6/26/2018**	**Buy [MWh]**	**185**	**300.00**
27XG-LUMIUS-GAST	**G-DD180626**	**6/26/2018**	**Sell [MWh]**	**185**	**180.00**

Demonstration of the application



Q&A

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Obědová pauza

Vážení účastníci,

webinář začne znovu po obědové pauze ve

13:00

Lunch break

Dear participants,

the webinar continues after the lunch break at

1:00 pm.

LauncherManager

Risk Management – IM

(Risk management IM limit)

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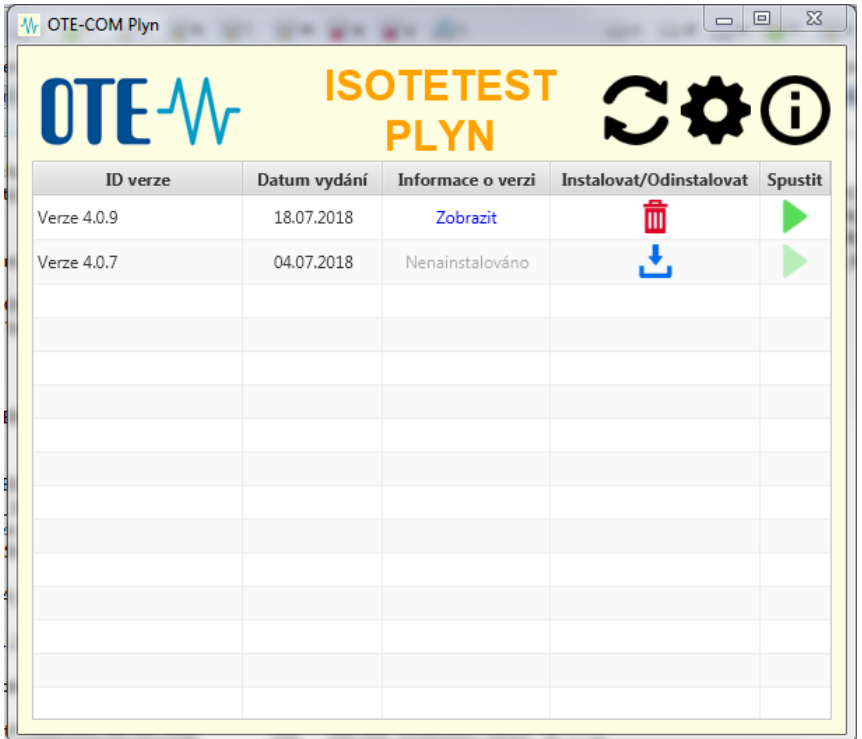
Scope

- Launcher Manager
- What is changing in Risk Management?
- Setting IM limit via WebGUI
- Order’s lifecycle:
  - New
  - Modification
  - Cancel
  - Trade – Fully accepted order
  - Trade – Partly accepted order
  - Reports
- Setting IM limit via SOAP communication
- Transfer financial resources from IM limit to main trading limit

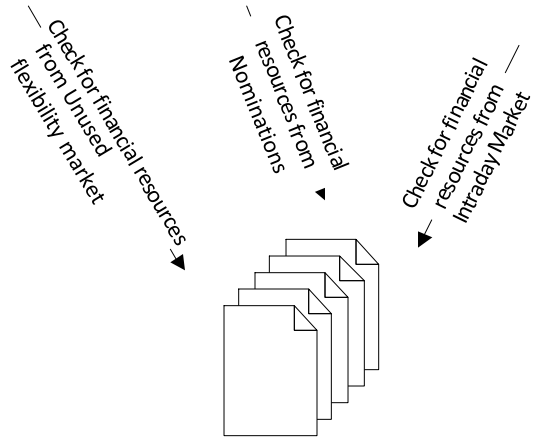
Launcher Manager

- Small client application
- Checking new version of Trade application
- Trade application linked to verified Java version /independence on client Java
- Each environment /each application
- Installation and User guide documentation



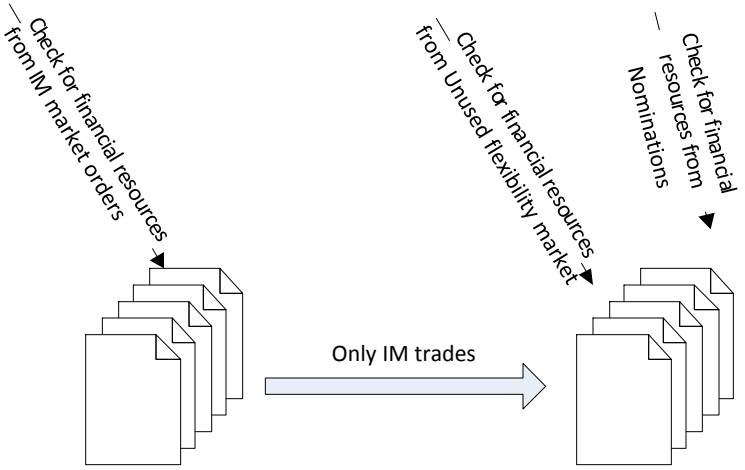
What is changing in Risk Management

Current situation



One queue for all
Participants / requests
FOR ALL TRADES

New situation

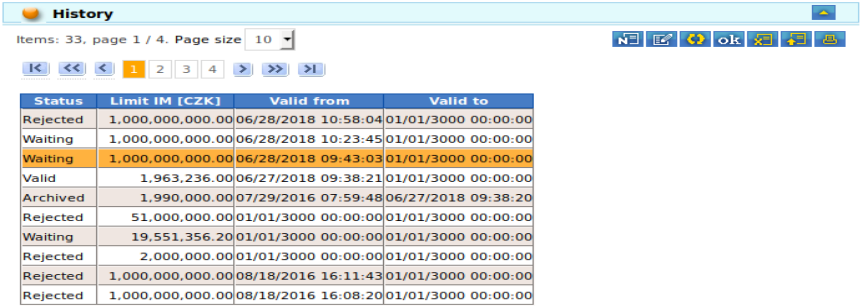


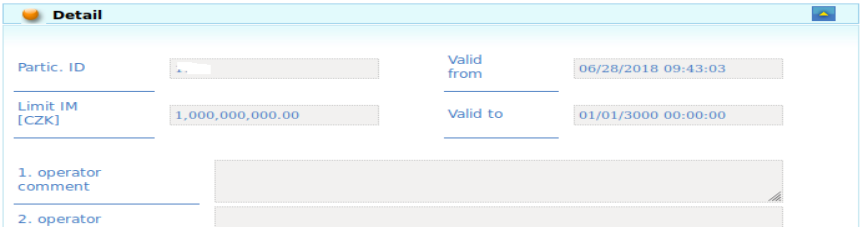
predefined
IM limit
for each participant
for quick check

One queue for all
Participants /requests
ONLY for Unused flexibility market, Nominations

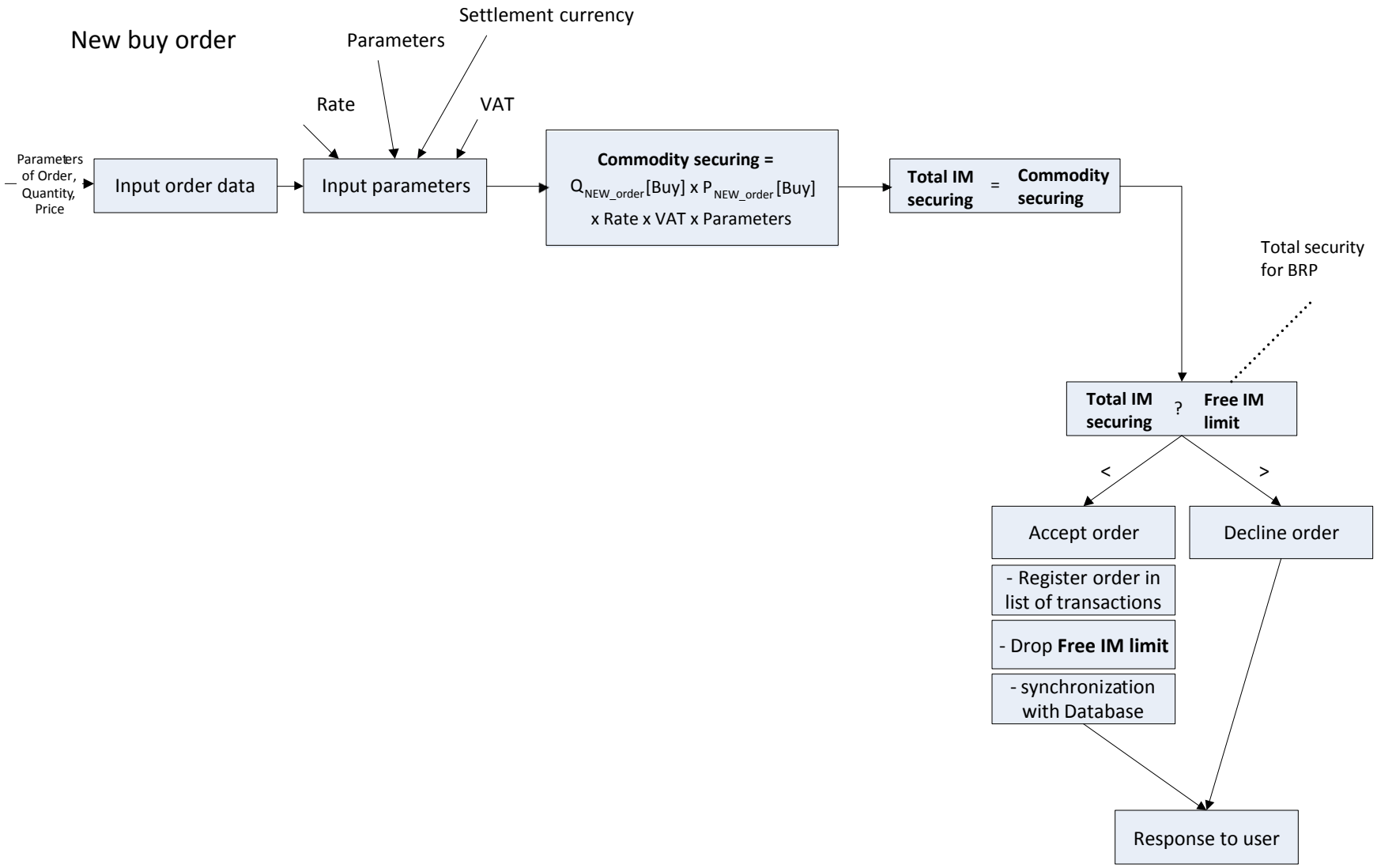
Setting IM limit via WebGUI

- Setting IM limit by external user with role („Nastavení VDT limitu plyn / Setting IM limit gas“)
- Each Balance Responsible Party **has to confirm with OTE IM limit**
- User with administrator rights (Authorized persons) in CS OTE can configure access rights and roles of another users

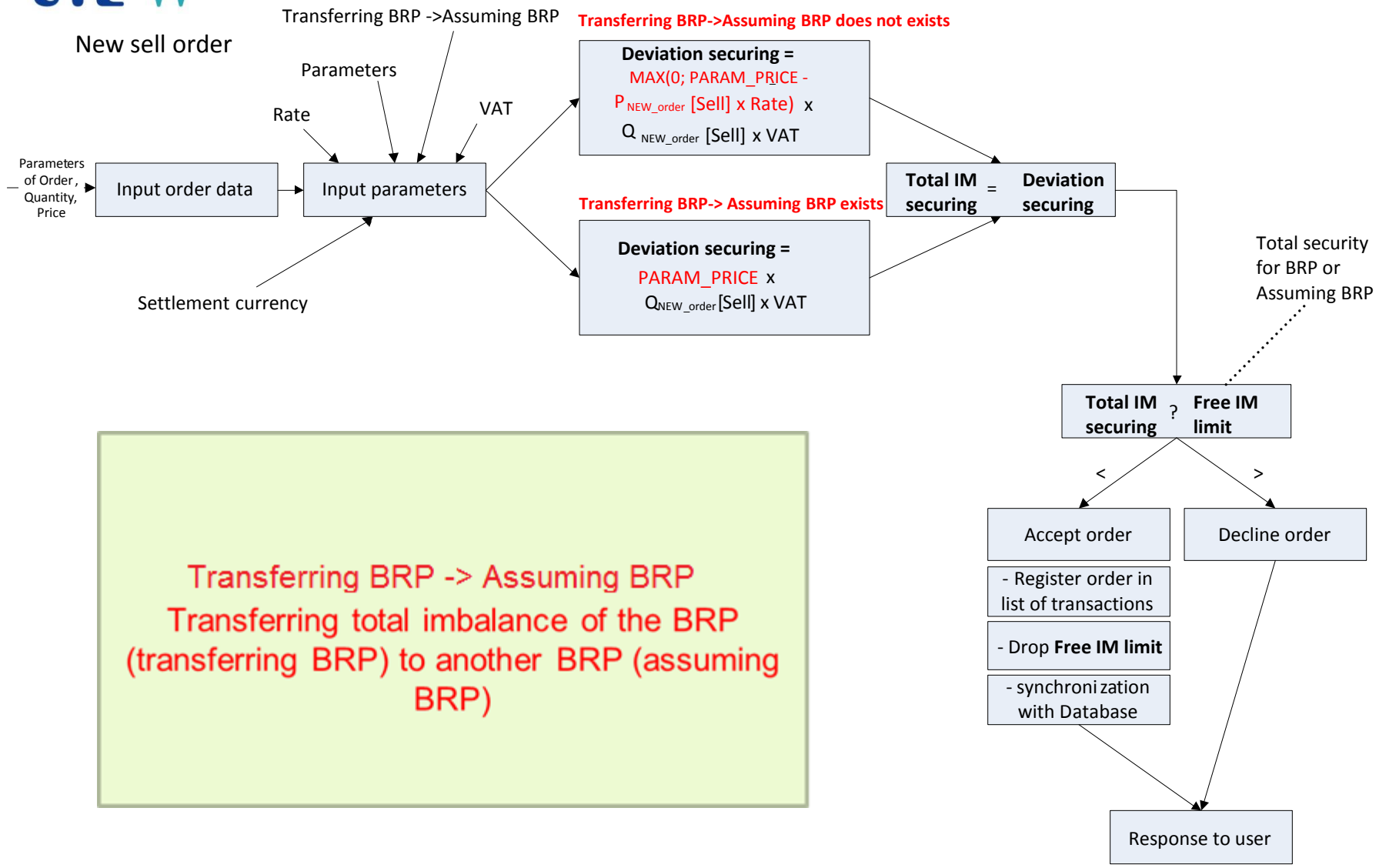




Order's lifecycle – New buy order



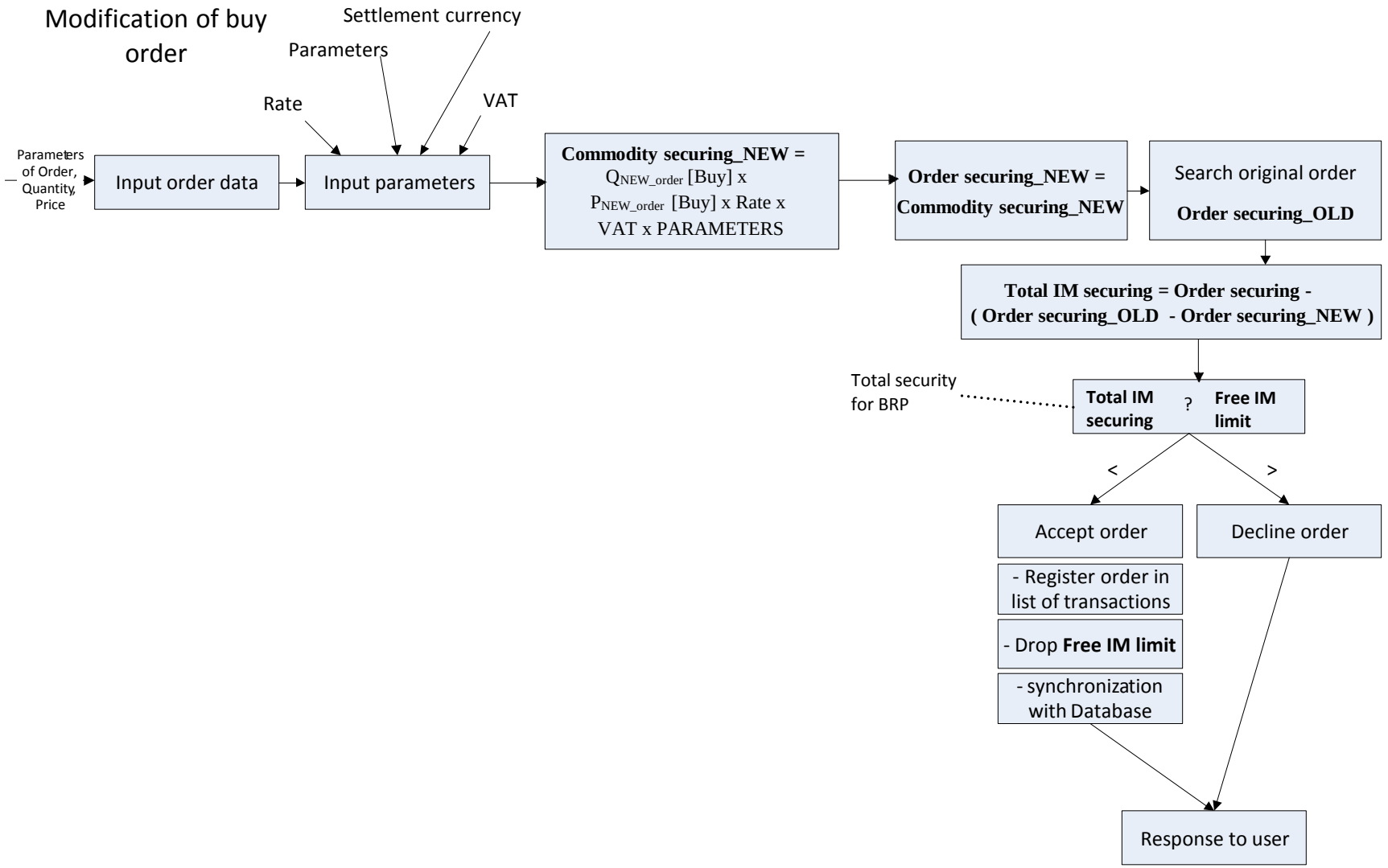
Order's lifecycle – New sell order



Transferring BRP -> Assuming BRP

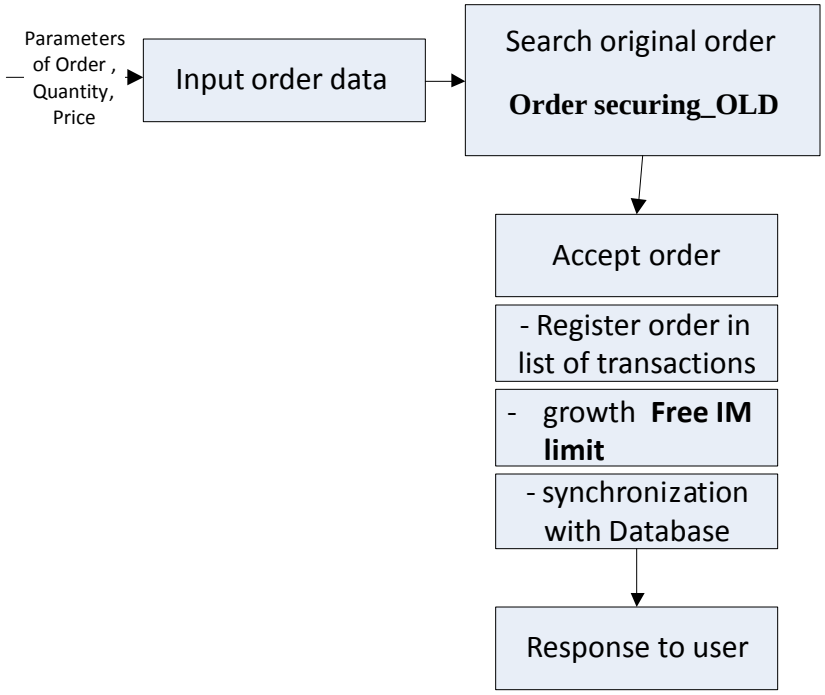
Transferring total imbalance of the BRP (transferring BRP) to another BRP (assuming BRP)

Order's lifecycle – Modification of buy order

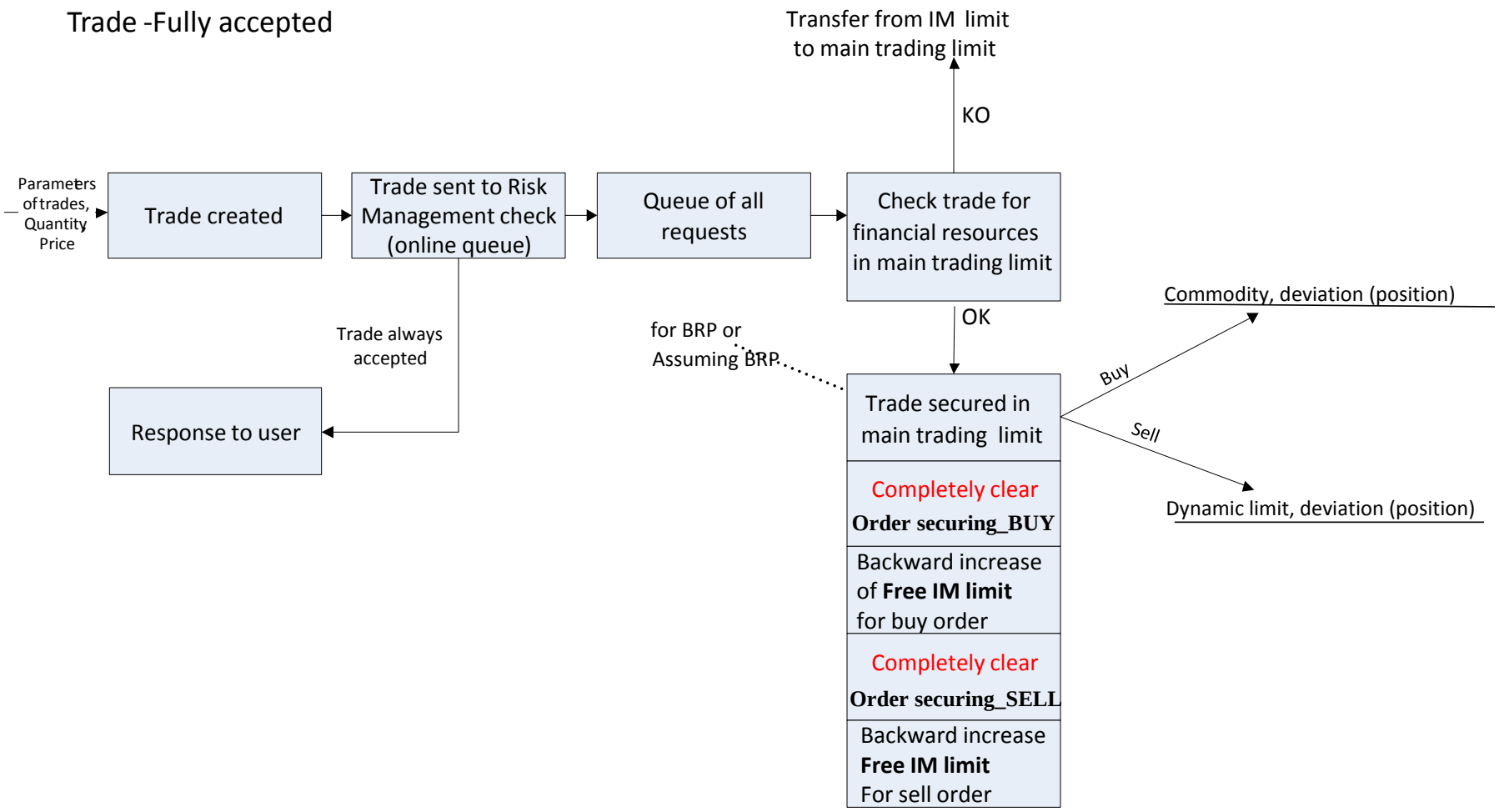


Order's lifecycle – Cancel order

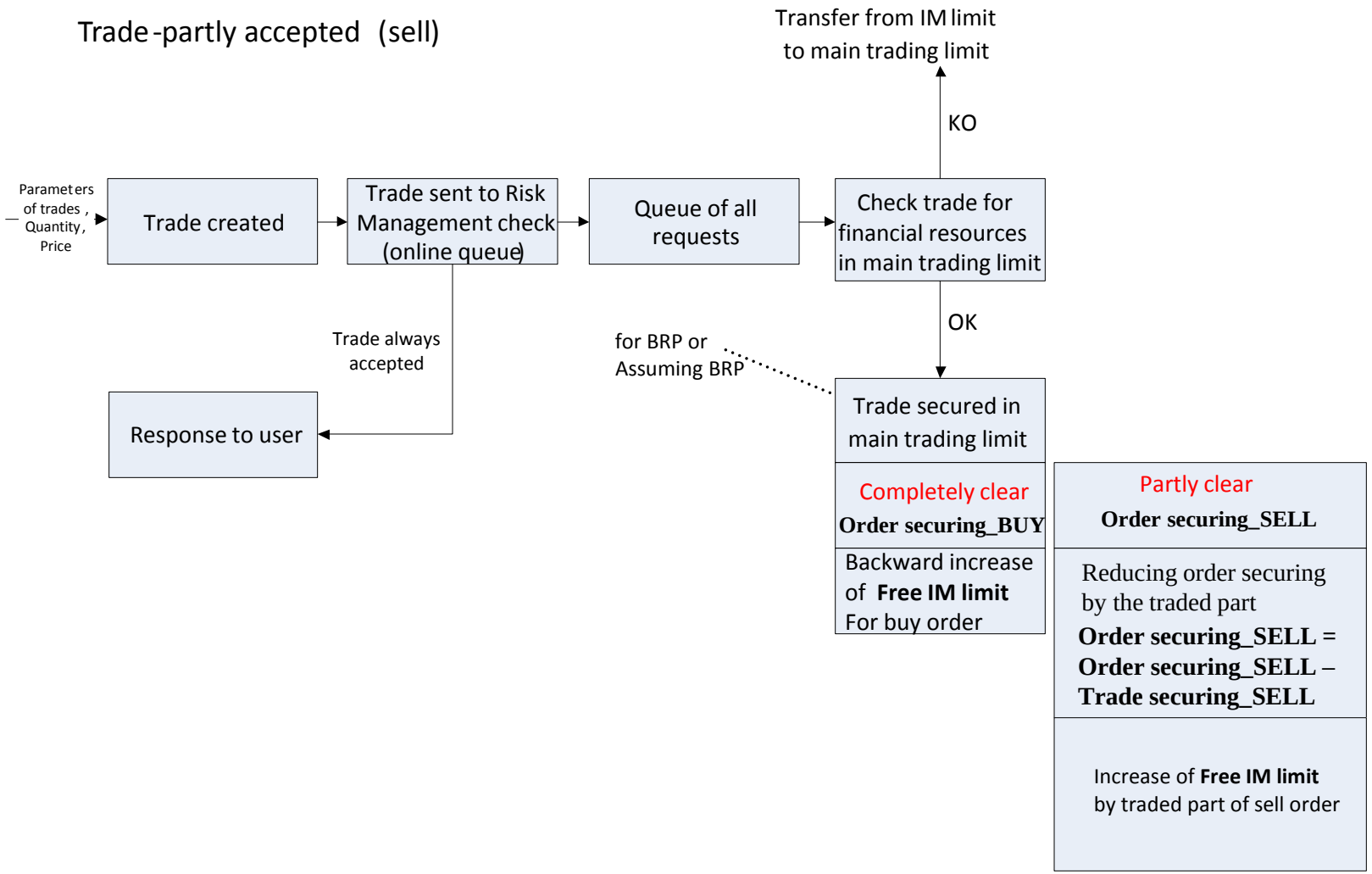
Cancel order



Order's lifecycle–Trade–Fully accepted order



Order's lifecycle–Trade–Partly accepted order



Reports

Current limit status

12.07.2018 13:26:24

Subj. **OTE Id** **EAN** 859 1824 _ _ _ _ _ _

EIC (gas) 27X---

Gas

Additional information:

Warning limits	3,059,529.41

Utilization separation:

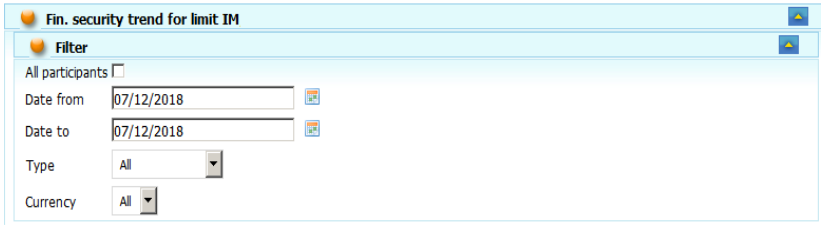
Utilization of intra-day-market	-60,937.23 CZK
Utilization of balance gas - payables	0.00 CZK
Utilization of balance gas - prediction	0.00 CZK
Off-Tolerance utilization	0.00 CZK
Clearing Utilization	0.00 CZK
Utilization of fees	0.00 CZK
Utilization of clearing of losses	0.00 CZK
Utilization of unused tolerance market	0.00 CZK
Utilization of payables from imbalance	0.00 CZK
Utilization of flexibility market	0.00 CZK
Utilization of limit for IM gas	-5,000,000.00 CZK

Limit separation:

Financial security limit	15,297,647.06 CZK
Dynamic limit	1,079,296.27 CZK

Total status:

Limit	16,376,943.33 CZK
Utilization	-5,060,937.23 CZK
Free limit	11,316,006.10 CZK
Limit for IM gas	5,000,000.00 CZK
Utilization of IM gas	-210,434.40 CZK
Free limit IM gas	4,789,565.60 CZK



Financial security trend for limit IM

Period 10.07.201 - 13.07.2018

Subj. **OTE** **EIC** 27X---

Timestamp	Bid type	Bid ID	Delivery day	Utilization change commodity	Utilization change deviation	Utilization change total	Total utilization IM	Total limit IM	Free limit IM
10.07.2018 15:49:33	VDP	2000001	10.07.2018	0.00	-19,930.94	-19,930.94	-19,930.94	5,000,000.00	4,980,069.06
10.07.2018 16:09:02	VDP	2000002	10.07.2018	0.00	-19,913.49	-19,913.49	-39,844.42	5,000,000.00	4,960,155.58
10.07.2018 16:44:17	VDP	2000001	10.07.2018	0.00	19,930.94	19,930.94	-19,913.49	5,000,000.00	4,980,086.51
11.07.2018 12:29:33	VDP	2000007	11.07.2018	0.00	0.00	0.00	-19,913.49	5,000,000.00	4,980,086.51
11.07.2018 12:33:32	VDP	2000007	11.07.2018	0.00	0.00	0.00	-19,913.49	5,000,000.00	4,980,086.51
11.07.2018 12:51:59	VDP	2000010	11.07.2018	-31,797.60	0.00	-31,797.60	-51,711.09	5,000,000.00	4,948,288.91
11.07.2018 13:01:16	VDP	2000007	11.07.2018	0.00	0.00	0.00	-51,711.09	5,000,000.00	4,948,288.91
11.07.2018 15:42:13	VDP	2000010	11.07.2018	4,769.64	0.00	4,769.64	-46,941.45	5,000,000.00	4,953,058.55
11.07.2018 15:42:18	VDP	2000010	11.07.2018	1,589.88	0.00	1,589.88	-45,351.57	5,000,000.00	4,954,648.43
11.07.2018 15:42:21	VDP	2000010	11.07.2018	3,179.76	0.00	3,179.76	-42,171.81	5,000,000.00	4,957,828.19
11.07.2018 15:42:25	VDP	2000010	11.07.2018	3,179.76	0.00	3,179.76	-38,992.05	5,000,000.00	4,961,007.95
11.07.2018 15:42:28	VDP	2000010	11.07.2018	1,589.88	0.00	1,589.88	-37,402.17	5,000,000.00	4,962,597.83
11.07.2018 15:42:31	VDP	2000010	11.07.2018	4,769.64	0.00	4,769.64	-32,632.53	5,000,000.00	4,967,367.47
11.07.2018 15:47:31	VDP	2000010	11.07.2018	12,719.04	0.00	12,719.04	-19,913.49	5,000,000.00	4,980,086.51
11.07.2018 15:53:01	VDP	2000015	11.07.2018	-31,797.60	0.00	-31,797.60	-51,711.09	5,000,000.00	4,948,288.91
11.07.2018 15:53:05	VDP	2000015	11.07.2018	4,769.64	0.00	4,769.64	-46,941.45	5,000,000.00	4,953,058.55
11.07.2018 15:53:08	VDP	2000015	11.07.2018	1,589.88	0.00	1,589.88	-45,351.57	5,000,000.00	4,954,648.43
11.07.2018 15:53:11	VDP	2000015	11.07.2018	3,179.76	0.00	3,179.76	-42,171.81	5,000,000.00	4,957,828.19
11.07.2018 15:53:14	VDP	2000015	11.07.2018	3,179.76	0.00	3,179.76	-38,992.05	5,000,000.00	4,961,007.95
11.07.2018 15:53:17	VDP	2000015	11.07.2018	1,589.88	0.00	1,589.88	-37,402.17	5,000,000.00	4,962,597.83
11.07.2018 15:53:20	VDP	2000015	11.07.2018	4,769.64	0.00	4,769.64	-32,632.53	5,000,000.00	4,967,367.47
12.07.2018 11:17:45	VDP	2000019	12.07.2018	0.00	0.00	0.00	0.00	5,000,000.00	5,000,000.00
12.07.2018 11:18:57	VDP	2000019	12.07.2018	0.00	0.00	0.00	0.00	5,000,000.00	5,000,000.00
12.07.2018 11:28:59	VDP	2000023	12.07.2018	-31,884.00	0.00	-31,884.00	-31,884.00	5,000,000.00	4,968,116.00
12.07.2018 11:29:06	VDP	2000023	12.07.2018	4,782.60	0.00	4,782.60	-27,101.40	5,000,000.00	4,972,898.60
12.07.2018 11:29:09	VDP	2000023	12.07.2018	1,594.20	0.00	1,594.20	-25,507.20	5,000,000.00	4,974,492.80
12.07.2018 11:29:13	VDP	2000023	12.07.2018	3,188.40	0.00	3,188.40	-22,318.80	5,000,000.00	4,977,681.20
12.07.2018 11:29:16	VDP	2000023	12.07.2018	3,188.40	0.00	3,188.40	-19,130.40	5,000,000.00	4,980,869.60
12.07.2018 11:29:20	VDP	2000023	12.07.2018	1,594.20	0.00	1,594.20	-17,536.20	5,000,000.00	4,982,463.80
12.07.2018 11:29:22	VDP	2000023	12.07.2018	4,782.60	0.00	4,782.60	-12,753.60	5,000,000.00	4,987,246.40
12.07.2018 11:34:02	VDP	2000024	12.07.2018	-31,884.00	0.00	-31,884.00	-44,637.60	5,000,000.00	4,955,362.40

Setting IM limit via webservice

- Message SFVOTSETTINGS with message code = „481“
- Input value new IM limit

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<SFVOTSETTINGS answer-required="false" date-time="2018-06-
28T12:41:08+02:00" dtd-release="1" dtd-version="1" id="123"
message-code="481" xmlns="http://www.ote-
cr.cz/schema/sfvot/settings">
    <SenderIdentification id=" 27XGOTE-CZ-GAS-R" coding-
scheme="15"/>
    <ReceiverIdentification id=" 27XGOTE-CZ-GAS-R" coding-
scheme="15"/>
    <Setting>
        <Limit type="VDP" value="20000"/>
    </Setting>
</SFVOTSETTINGS>
```

Response to request

1) RESPONSE

- message-code= „482“
- Response code:
  - S09000 Request successfully processed, change processed
  - S09008 No limits defined
  - S09009 No sufficient rights
  - S09010 No disposable financial resources
  - S09011 Invalid value
  - S09012 Unexpected error

2) SFVOTLIMITS

- Report Current limit status
- Report extended for new utilization type
- limitIMBalM - Limit for IM
- utilizationIMBalM - Utilization of IM
- freeResourcesIMBalM - Disposable financial resources for IM

Transfer from IM limit to main trading limit

- Notification about transfer IM limit to online only from CS OTE to participant
- New message SFVOTLIMITCHANGE, message-code = „484“

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<SFVOTLIMITCHANGE answer-required="false" date-time="2018-06-
28T12:41:08+02:00" dtd-release="1" dtd-version="1" id="123" message-
code="484" xmlns="http://www.ote-cr.cz/schema/sfvot/limitchange">
    <SenderIdentification id="27XGOTE-CZ-GAS-R" coding-scheme="15"/>
    <ReceiverIdentification id="27XGOTE-CZ-GAS-R" coding-scheme="15"/>
    <Limits trade-id="237445" trade-date="2018-06-28">
        <Limit type="VDP" value="15000" moved="5000" free="1280"/>
    </Limits>
</SFVOTLIMITCHANGE>
```

- SFVOTLIMITCHANGE/Limits@trade-date – delivery date
- SFVOTLIMITCHANGE/Limits@trade-id – trade id
- SFVOTLIMITCHANGE/Limit@value – new value of IM limit in CZK
- SFVOTLIMITCHANGE/Limit@moved – financial resources transfered from IM limit to online in CZK
- SFVOTLIMITCHANGE/Limit@free – disposable financial resources in IM limit in CZK

Q&A

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Summary and Next steps

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The most important changes of IM

Terminology

- Instead of the term Product, the term Contract will be used
- Instead of Contracts number, the quantity will be set in MWh

Orders

- Along the Limit order, it will be possible to use an Iceberg order
- New execution restrictions IOC (Immediate or Cancel) and FOK (Fill or Kill) will be added
- A new time restriction Good Till Date (GTD) will be added to the current time restriction Good for trading session (GFS)
- It will be possible to use a fast acceptance of an order
- It will be possible to modify an order, it will no longer be necessary to cancel it and submit a new one

Financial security

- A new financial security principle for faster submitting of orders

Trading screen

- A client application on the side of a market marticipant with a new form of the Trading screen

Testing with market participants

- **Testing** with market participants is expected to be **from 27th August to 7th September 2018**.

- The **OTE-COM application** and also AMQP automatic communication for the testing environment will be available on **10th August**.

- If a market participant will use automatic communications through the AMQP server, it will be possible to carry out **connectivity tests on the testing environment from 13th to 24th August 2018**.

- **Public certificates** are needed for access to the OTE-COM application and **qualified certificates** are needed for signing orders.

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Preparation for Go-Live

- OTE-COM to be launched during the night **from 25. 9. to 26. 9.**

- Cooperation from Market Participants is needed
  - Connectivity tests **on production environment** are available **from 17. 9. to 21. 9. 2018**
  - OTE-COM Luncher Manager to be available to download and install on Market Participant´s local station **from 14. 9.** (*probably Admin rights are needed*)
  - Inform OTE (via email market@ote-cr.cz), if you want to set by OTE initial value of IM limit, to be able to trade immediately after Go-Live, and please let us know the value you want to tranfer to IM limit **by 20. 9. 2018**.

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Cutover plan for OTE-COM go-live
(Transition from current trading to OTE-COM based trading)

- On 25th September will not be opened the market for Gas Day D + 1 (product G-DD180926), after Regular System Shutdown it will be opened in the new module

- All non-traded orders (product G-DD180925) will be canceled, during the Regular System Shutdown (25. 9. from 5 pm), on the Gas IM market for Gas Day D

- The final aggregation of trades on the Gas IM for the gas day D will be made during the Regular System Shutdown, including the final nomination of the trading results to the nomination module for Gas Day D

- OTE-COM trading starts (contract IM_26092018) after the Regular System Shutdown, orders and trades on the Gas Day D + 1 will be secured in a new form – in **IM limit** (orders) and in the Main Limit (trades).

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Thank you for your attention!

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