



ECC – Review and new developments

Leipzig, 24 June 2010



Agenda

Review

- **Harmonisation of ECC invoicing**
- **ECC Member Area**

Current Projects

- **Overview on-going ECC projects**

Forecast

- **Update scheduling processes**
- **Change TSO short codes**

Review

Harmonisation ECC invoicing

- 3rd step of harmonisation of ECC invoicing was completed with invoice month April 2010

Since April 2009 ECC invoices with new layout created out of ECC's settlement system

Various invoices per market

1. Step

Start of invoice harmonisation with launch of EPEX French Power Spotmarket

April 2009

2. Step

Further extension to all physical fulfilled commodities

October 2009

3. Step

Integration of complete ECC product scope

April 2010

Review

Harmonisation ECC invoicing

Only **two invoices** provided monthly through ECC

Each month ECC Luxembourg S.a.r.l. provides one invoice to each member containing all transactions with physical settlement.

ECC AG provides one invoice as well including all transactions without physical fulfilment (e.g. Futures trades or financially fulfilled contracts).

For each invoice provided through ECC Luxembourg S.a.r.l. or ECC AG an electronic invoice copy and a detailed report is available. These documents together with the daily reporting complete ECC's data service provided to their members.

Invoice / Self-Bill Invoice No. 2010-010408
for the period of service from 2010-04-01 to 2010-04-30

Tax ID: n/a
VAT ID: n/a
Foreign VAT GB417734642

HARMONISED LAYOUT

Invoice / Self-Bill Invoice Summary

Invoice Item	Commodity	Fees	Net	Luxembourgian VAT 0.00 %	Foreign VAT 0.00 %	Gross
Purchases	135,504.00	36.00	135,540.00	0.00	0.00	135,540.00
Total Gross						135,540.00

The total fee amount of 36.00 € will be debited on Tue, May 18, 2010 from your bank account. The commodity and the respective VAT have already been settled via your Clearing Member(s).

Invoice / Self-Bill Invoice Details

1 Settlement of Futures Expiries 1.1 Purchases

Product	Quantity MWh	Commodity	ECC Fee	Net	Luxembourgian VAT 0.00 %	Foreign VAT 0.00 %	Gross
EEK_FE_POWER RTE	3,600.0	136,604.00	36.00	136,640.00	0.00	0.00	136,640.00
Total over all Products		135,504.00	36.00	135,540.00	0.00	0.00	135,540.00

Invoice No. 2010-011730
for the period of service from 2010-04-01 to 2010-04-30

Tax ID: n/a
VAT ID: n/a
Foreign VAT GB417734642

HARMONISED LAYOUT

Invoice Summary

Invoice Item	Fees	German VAT 0.00 %	Gross
Purchases	2,632.20	0.00	2,632.20
Sales	1,507.20	0.00	1,507.20
Total Gross			4,139.40

The total fee amount of 4,139.40 € will be debited on Wed, May 19, 2010 either from your account or via your Clearing Member.

Invoice Details

1 Clearing of Futures Trades

1.1 Purchases

Product	Quantity MWh	ECC Fee	German VAT 0.00 %	Gross
EEK_FT_PHELIX_DIA	126,440.0	2,632.20	0.00	2,632.20
Total over all Products		2,632.20	0.00	2,632.20

1.2 Sales

Product	Quantity MWh	ECC Fee	German VAT 0.00 %	Gross
EEK_FT_PHELIX_DIA	-301,440.0	1,507.20	0.00	1,507.20
Total over all Products		1,507.20	0.00	1,507.20

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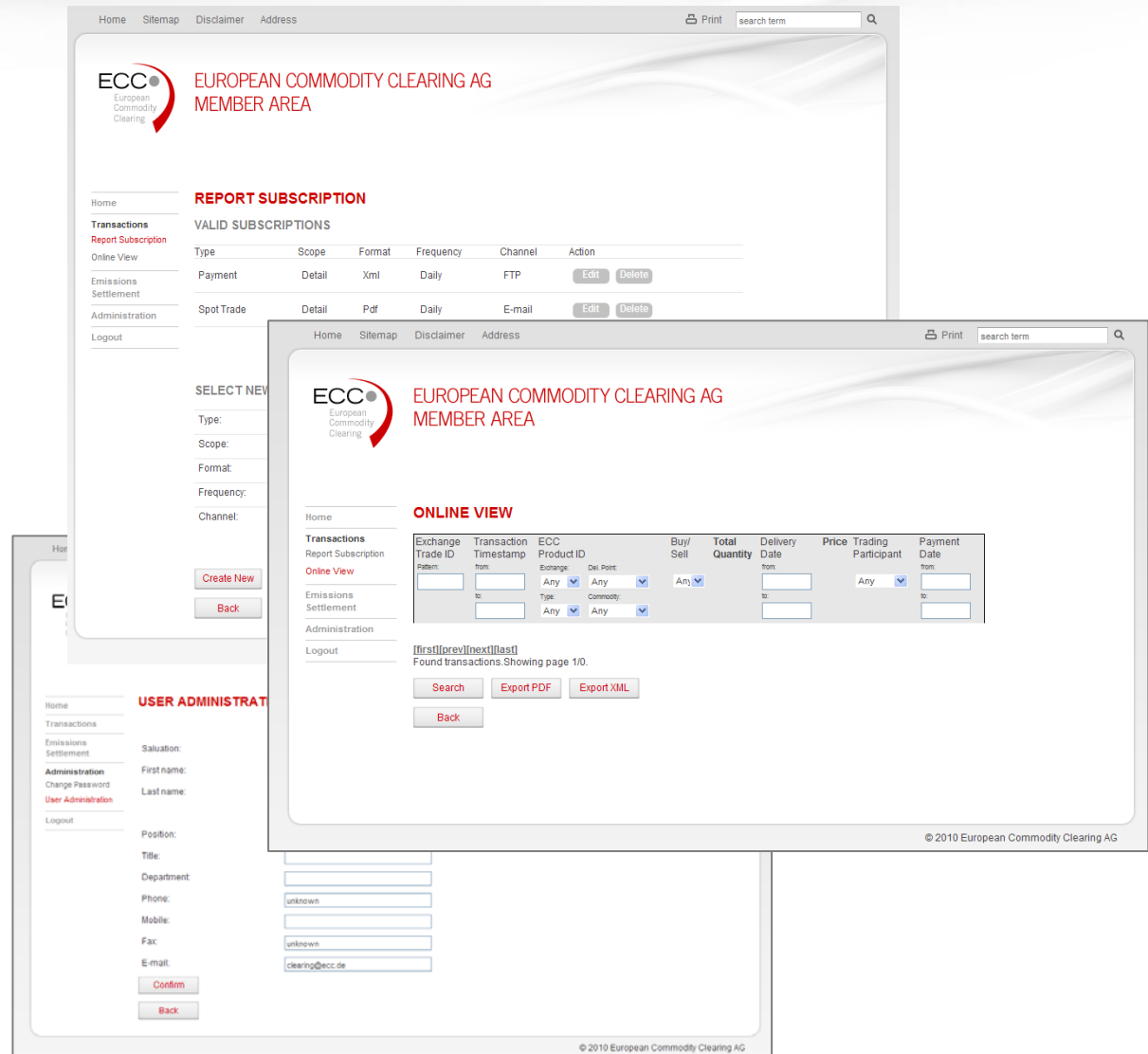
Review ECC Member Area

ECC's Member Area provides additional services regarding

- Report subscription
- Online view of all transactions registered with ECC and
- Contact data administration.

There are some remarkable advances:

- Independence from ECC's service hours
- Quick results (no response time in comparison to enquiries via e-mail or phone)
- Export functionalities (PDF/ XML)



The screenshots show the ECC Member Area interface with the following sections:

- REPORT SUBSCRIPTION**: A table of valid subscriptions.

Type	Scope	Format	Frequency	Channel	Action
Payment	Detail	Xml	Daily	FTP	Edit Delete
Spot Trade	Detail	Pdf	Daily	E-mail	Edit Delete
- ONLINE VIEW**: A search and filter interface for transactions.

Exchange Trade ID	Transaction Timestamp	ECC Product ID	Buy/Sell	Total Quantity	Delivery Date	Price	Trading Participant	Payment Date
Pattern: []	from: []	Exchange: Any [v] Del. Point: Any [v]	Any [v]	[]	from: []	[]	Any [v]	[]
to: []	to: []	Type: Any [v] Commodity: Any [v]	[]	[]	to: []	[]	[]	[]
- USER ADMINISTRATION**: A form for managing user contact information.

Situation:	[]
First name:	[]
Last name:	[]
Position:	[]
Title:	[]
Department:	[]
Phone:	[]
Mobile:	[]
Fax:	[]
E-mail:	[]

Review ECC Member Area

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Since April 2010 all transactions registered with ECC including

- Spot- and Intraday-Transactions
- Futures Trades
- Futures Expiries (physical fulfilment)
- Option Trades
- Option Expiries

are available via Online View at ECC Member Area.

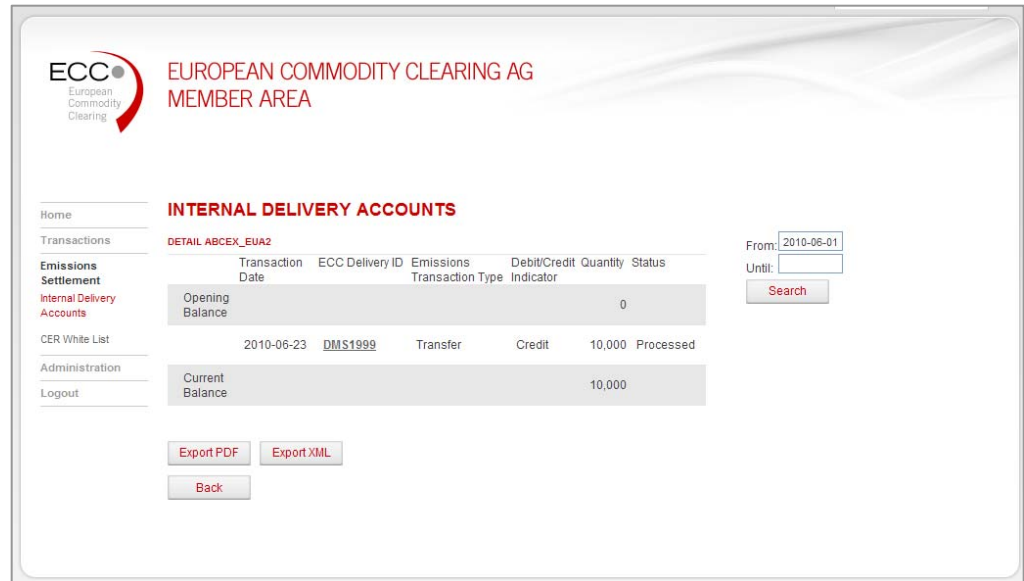
Review ECC Member Area

Position and transaction check

Due to existing Filter- and Export functionalities registered user are easily able to check registered transactions or positions for physical delivery by their own and around the clock.

Supervision of internal account balance EUA and CER

! Check of
account balance
before trading to
ensure the balance
is sufficient



The screenshot displays the ECC Member Area interface for "INTERNAL DELIVERY ACCOUNTS". The page includes a navigation menu on the left with options: Home, Transactions, Emissions Settlement, Internal Delivery Accounts, CER White List, Administration, and Logout. The main content area shows a table of transactions for "DETAIL ABCEX_EUA2" with columns for Transaction Date, ECC Delivery ID, Emissions Transaction Type, Debit/Credit Indicator, Quantity, and Status. The table lists an "Opening Balance" of 0 and a "Current Balance" of 10,000. A transaction record is shown for 2010-06-23 with ECC Delivery ID DMS1999, Transfer type, Credit indicator, and 10,000 quantity, with a status of "Processed". The interface also features search filters for "From" (2010-06-01) and "Until", along with "Export PDF", "Export XML", and "Back" buttons.

Transaction Date	ECC Delivery ID	Emissions Transaction Type	Debit/Credit Indicator	Quantity	Status
				0	
2010-06-23	DMS1999	Transfer	Credit	10,000	Processed

Review ECC Member Area



- Access via internet

<http://www.ecc.de>

- Registration for ECC Member Area free of charge
- Download of registration form NCM04 in download area at website
- Legally binding signatures necessary

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EEX Additional EUA Futures

EEX will launch additional EUA futures with expiry from 2013 onwards

Launch date: June 30th, 2010

New futures are not linked to a designated compliance period anymore

New underlying: European Carbon Spot

EEX Phelix Off-Peak Futures

Phelix Off-Peak-Futures will comprise Month, Quarter and Year contracts.

Go-live of Phelix Off-Peak Futures is planned for **Q3/2010**

EEX Short Dated Phelix Options

Short Dated Phelix Options mean additional expiries for Phelix options during the calendar year.

EEX will launch Short Dated Phelix Options on **June 28th, 2010.**

CWE Market Coupling

Launch planned for **September 7th, 2010**

Integration of the existing link to the Nordic market (EMCC) necessary

ECC will be responsible for the X-border nomination

This project requires additional software enhancements and in consequence extended testing/simulation.

EPEX X-Border Intraday

EPEX intends to offer cross-border (X-border) intraday trading between the French and German market from **Q4/2010** onwards.

Local order books for France and Germany will be linked to the capacity platform of the TSO's.

Linked order books increase the likeliness of matching and may contribute as a consequence to higher trading volumes. Orders will be matched, if sufficient cross-border capacity between France – Germany is available.

Launch of new partner exchange – HUPX

ECC will clear power spot contracts for the newly established **Hungarian Power Exchange (HUPX)**.

HUPX which was founded by the Hungarian TSO MAVIR cooperates with EPEX Spot SE to develop and launch a Hungarian Exchange for Power.

Clearing will commence in **July 2010** depending on member readiness.

Powernext Enhancement Natural Gas

As requested by market participants Powernext intends to expand its product range at the spot market by introducing T+2-transactions with delivery for GRTgaz Nord, GRTgaz Sud and TIGF and Within-Day-Transactions for TIGF.

Powernext plans furthermore additional contracts at the derivatives markets depending on the feedback by its participants.

Target Launch date: **August / September 2010**

ENDEX Physical Weeks

- APX-ENDEX intends to offer physical fulfilled weekly futures on TTF NatGas
- Product set-up similar to EEX Phelix Week Futures
- Position keeping and reporting via EUREX system
- Physical settlement via ECC's settlement system (settlement as daily contracts)
- Integration of the new product in ECC's standard settlement processes
- Project will be initiated in July 2010, Target Launch date will be announced

CEGH Natural Gas Futures

- Go-Live of CEGH Natural Gas Futures is currently planned for **August 2010**.
- In a first step CEGH Natural Gas Futures will be tradable for 3 front-months only
- Contracts will be traded in the EUREX system of Vienna Stock Exchange and cleared in the EUREX system of ECC

ECC

On-going projects

ECC Harmonisation financial settlement

Implementation of **one** daily booking-cut instead of two settlement cycles

ECC Fee Settlement via Clearing Member

Integration of all fee settlement processes into standard ECC cash settlement processes:

→ including ECC's clearing fees and exchange fees collected via ECC

Scheduled for **autumn 2010**

EUREX 13.0 & EUREX 13.1

Launch Date: November 2010 and spring 2011

Improvements related to clearing functionalities e.g.

- Trading Limits based on margin requirements
- Enhancements position management
- Client Asset Protection
- Cross-Margining between power and emissions
- Maturity dependent margin parameters

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Forecast

Update scheduling processes

Due to on-going projects like CWE Market Coupling and EPEX X-Border Intraday a further harmonisation and optimisation of ECC's scheduling systems are necessary.

Therefore ECC will provide for each market with physical fulfilment standardised ECC delivery reports.

Reports are provided daily and are available in XML and PDF format.

Participants can subscribe to the reports via ECC's Member Area and choose between distribution via e-mail and / or FTP server.

Please note: Existing reports for German power spot- and intraday market in KISS or ESS format will only be available until August 2010!

DELIVERY REPORT SUMMARY NATURAL GAS – SIMU_C_ABCEX_DRS_NATGAS_DAILY_2009-12-04				
Report frequency: DAILY		Report from: 2009-12-04 to 2009-12-04		Report generated on: 2009-12-09
Hour	*NATGAS_BMGT ST Buy ABCEX	*NATGAS_BMGT ST Sell ABCEX	*NATGAS_OKAP ST Buy ABCEX	*NATGAS_OKAP ST Sell ABCEX
1	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
2	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
3	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
4	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
5	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
6	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
7	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
8	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
9	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
10	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
11	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
12	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
13	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
14	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
15	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
16	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
17	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
18	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
19	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
20	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
21	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
22	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
23	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
24	62940.0 MWh	-78000.0 MWh	27690.0 MWh	-27900.0 MWh
Total per delivery day	1510560.0 MWh	-1872000.0 MWh	664560.0 MWh	-669600.0 MWh

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Forecast

Change TSO short codes

- Due to changed names of various German TSO's ECC will introduce new TSO short codes for the following TSO identifications with **August 2010** release:

TSO	Current Short Code	New Short Code
 <i>Amprion GmbH</i>	RWE	AMP
 <i>transpower stromübertragungs gmbh</i> <i>transpower stromübertragungs gmbh</i>	EON	TPS
 <i>50Hertz Transmission GmbH</i>	VET	50HZ

- Changed short-codes will be implemented in “SMSS XML Report Specification” and published with an ECC Clearing-Information in Mid-July 2010

Forecast

Change TSO short codes

Therefore the following ECC Product ID's will be adjusted as follows:

Current ECC ProductID					
Source		Transaction Type		Commodity	Delivery Point
EEX	_	FT	_	POWER	RWE
EEX	_	FE	_	POWER	RWE
EPEX	_	IT	_	POWER	RWE
EPEX	_	IT	_	POWER	EON
EPEX	_	IT	_	POWER	VET
EPEX	_	ST	_	POWER	RWE
EPEX	_	ST	_	POWER	EON
EPEX	_	ST	_	POWER	VET

New ECC ProductID					
Source		Transaction Type		Commodity	Delivery Point
EEX	_	FT	_	POWER	AMP
EEX	_	FE	_	POWER	AMP
EPEX	_	IT	_	POWER	AMP
EPEX	_	IT	_	POWER	TPS
EPEX	_	IT	_	POWER	50HZ
EPEX	_	ST	_	POWER	AMP
EPEX	_	ST	_	POWER	TPS
EPEX	_	ST	_	POWER	50HZ

Thank you for your attention!

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