

Core_NOR_04: Local Hub Nomination, Scheduled Exchanges Notification, Cross-border Nomination and Congestion Income

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First trading date with the current version		
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Approval

Version	Date	Name	Function	Signature

Previous versions

Version	Date	Author	Summary of changes
0.1	01/05/2019	BSP	First version revision
0.2	07/05/2019	JWG	Processed feedback
0.3	14/06/2019	JWG	Processed feedback
0.4	08/07/2019	JWG	Accepted changes and updated document
0.5	31/07/2019	JWG	Processed feedback
0.6	01/08/2019	JWG	Processed feedback
0.7	30/01/2020	EPEX SPOT	Review of the procedure
0.8	20/05/2020	JWG	Processed feedback
0.9	26/05/2020	JWG	Processed feedback
0.10	26/06/2020	JWG	Processed CWE updates
0.11	20/10/2020	JWG	Processed feedback
0.12	02/11/2020	JWG	Processed feedback
0.13	08/12/2020	JWG	Processed feedback
0.14	22/02/2021	JWG	Processed feedback
0.15	19/04/2021	JWG	Processed feedback
0.16	10/05/2021	JWG	Review

Remarks

Contact details can be found in the Core Contact list.

Disclaimer

All the timings included in this procedure refer to Central European Time (CET). CET refers to CET and CEST.

Table of Contents

1.	Introduction	3
1.1.	Summary	3
	<i>Table 1 – Core internal borders configuration in terms of Clearing, Settlement and Shipping</i>	4
	<i>Table 2 - Core external borders configuration in terms of Clearing, Settlement and Shipping.....</i>	5
JAO	6	
1.2.	Governed / Regulated by	7
1.3.	Tools and Communication protocols	7
1.4.	Associated procedures	7
2.	Procedure	8
2.1.	Preconditions to start.....	8
2.2.	General overview	8
	<i>Table 3 – The Clearing, Settlement and Shipping processes for the Core TSO CS Interconnectors</i>	8
2.3.	Process Clarification	9
2.3.1.	Creation of CCP/SAs information for local hub nomination and cross-border nomination....	9
2.3.1.	Creation of the XB Daily Trade Reports by the CCP / Shipping Agents	10
2.3.2.	Transfer of the XB Daily Trade Reports from the CCP / Shipping Agents to CID System	10
2.3.3.	Creation of cross-border nominations and local hub nominations	10
2.3.4.	Core cross-border nominations (internal and external Core borders).....	10
	<i>Table 4 – The Cross-Border Nomination deadlines under a Normal Day scenario</i>	10
2.3.5.	Core Local Hub Nominations.....	11
	<i>Table 5 – The Local Hub Nomination deadline under a Normal Day scenario.....</i>	11
2.3.6.	Prices and volumes NTH in each BZ	11
	<i>Table 6 – Prices and volumes per NEMO Trading Hub.....</i>	11
2.3.7.	Congestion Income Verification Process by the CID System.....	12
2.3.8.	Calculation of the Congestion Income TSO Share by the CID System.....	12
2.3.9.	Sending of the Congestion Income TSO Share Information to the TSO Back-End Systems ..	12
2.3.10.	Production of the Congestion Income Self Bill or any other invoicing document by the CCP / Shipping Agent.....	12
2.3.11.	Sending of the Self Bill or any other invoicing document to the CID System.....	12
2.4.	Risk Cases	13
2.5.	Final state	13

1. Introduction

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Term	Percentage (%)
GDP	95
Inflation	92
Interest rates	90
Central bank	88
Monetary policy	85
Quantitative easing	82
Institutional investors	78
Fintech	75
Algorithmic trading	72
Blockchain	68
Smart contracts	65
Initial coin offerings	62
Crowdfunding	58
Robo-advisors	55
Digital currencies	52
Regulation沙盒	48
FinTech hubs	45
RegTech	42
InsurTech	38
Neobanks	35
Digital identity	32
Regulatory沙盒	28
FinTech ecosystem	25

Remarks:

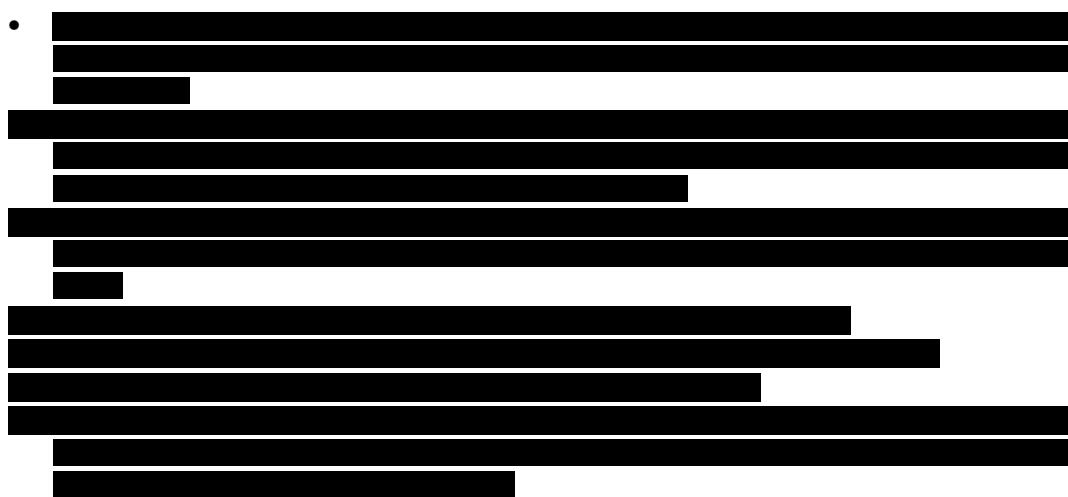


Table 1 – Core internal borders configuration in terms of Clearing, Settlement and Shipping

	TSO	Core NEMO	CCP	SA	CID
AUSTRIA	APG	EXAA	CCP.A	CCP.A	
		EPEX	ECC	ECC	
		EMCO	EMCO	EMCO	
FRANCE	RTE	EPEX	ECC	ECC	
		EMCO	EMCO	EMCO	
		N/A	N/A	CCP.A	
GERMANY	Amprion	EXAA	CCP.A	CCP.A	JAO
		EPEX	ECC	ECC	
		EMCO	EMCO	EMCO	
	50Hertz	EXAA	CCP.A	CCP.A	
		EPEX	ECC	ECC	
		EMCO	EMCO	EMCO	
	TransnetBW	EXAA	CCP.A	CCP.A	
		EPEX	ECC	ECC	
		EMCO	EMCO	EMCO	
	TenneT DE	EXAA	CCP.A	CCP.A	
		EPEX	ECC	ECC	
		EMCO	EMCO	EMCO	
BELGIUM	ELIA	EPEX	ECC	ECC	
		EMCO	EMCO	EMCO	

		N/A	N/A	CCP.A
NETHERLANDS	TenneT BV	EPEX	ECC	ECC
		EMCO	EMCO	EMCO
		N/A	N/A	CCP.A
SLOVENIA	ELES	BSP	BSP	BSP
HUNGARY	MAVIR	HUPX	MAVIR ¹	MAVIR
ROMANIA	Transelectrica	OPCOM	Transelectrica	Transelectrica
SLOVAKIA	SEPS	OKTE	SEPS	SEPS
CROATIA	HOPS	CROPEX	CROPEX	CROPEX
CZECH REPUBLIC	ČEPS	OTE	ČEPS	ČEPS
POLAND	PSE	TGE	TGE	TGE
		EMCO	EMCO	EMCO
		EPEX	ECC	ECC

Remark: [REDACTED]

Table 2 - Core external borders configuration in terms of Clearing, Settlement and Shipping

TSO CS Interconnector	Shipper	CCP	CID
NO2-NL	Both sides: ECC / EMCO	Both sides: ECC / EMCO	JAO
NO2-DE	Both sides: ECC / EMCO	Both sides: ECC / EMCO	JAO
DK1-DE	Both sides: ECC / EMCO	Both sides: ECC / EMCO	JAO
DK1-NL	Both sides: ECC / EMCO	Both sides: ECC / EMCO	JAO
FR-ES	FR side: ECC ES side: OMIE	FR side: ECC ES side: OMIE	JAO on FR side
IT-AT	ECC, EMCO, CCP.A	AT side: ECC, EMCO, CCP.A IT side: GME	JAO

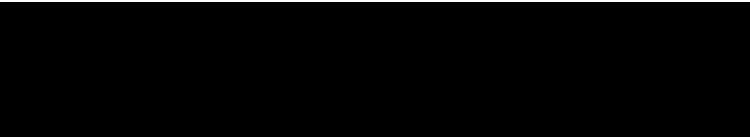
¹ MAVIR taking role of CCP in connection with the cross-border clearing and settlement only. The local CCP tasks among market participants are to be delegated another third party by the Hungarian NEMO.

IT-FR	ECC, EMCO	FR side: ECC, EMCO IT side: GME	JAO
BG-RO	BG side: IBEX RO side: TEL	BG side: IBEX RO side: TEL	JAO

1.2. Governed / Regulated by

- Core DAOA
- 

1.3. Tools and Communication protocols



1.4. Associated procedures




2. Procedure

2.1. Preconditions to start

2.2. General overview

Table 3 – The Clearing, Settlement and Shipping processes for the Core TSO CS Interconnectors

#	Process	Target Time	From	To	Tool & Communication protocols	BACKUP	Reference to MDfI

2.3. Process Clarification

2.3.1. [REDACTED]

execution of this step depends on internal Core NEMO processes and is performed by local Core NEMO and CCP/SAs Systems and Modules, when relevant.

2.3.1. [REDACTED]

[REDACTED]

2.3.2. [REDACTED]

[REDACTED]

2.3.3. [REDACTED]

2.3.5. Core Local Hub Nominations

Table 5 – The Local Hub Nomination deadline under a Normal Day scenario

Nomination Type	AT	BE	FR	HR	DE/ LU	NL	HU	SI	SK	CZ	PL	RO
Local Hub Nomination deadline												

2.3.6. Prices and volumes NTH in each BZ

Table 6 – Prices and volumes per NEMO Trading Hub

TSO	Frequency	Communication channel	Format

Term	Percentage
GMOs	100%
Organic	80%
Natural	100%
Artificial	70%
Organic	100%
Natural	100%
Artificial	100%
Organic	100%
Natural	100%
Artificial	100%
Organic	100%
Natural	100%
Artificial	100%
Organic	100%
Natural	100%
Artificial	100%

2.3.7. Congestion Income Verification Process by the CID System

[REDACTED]

2.3.8. Calculation of the Congestion Income TSO Share by the CID System

[REDACTED]

2.3.9. Sending of the Congestion Income TSO Share Information to the TSO Back-End Systems

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2.3.10. Production of the Congestion Income Self Bill or any other invoicing document by the CCP / Shipping Agent

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2.3.11. Sending of the Self Bill or any other invoicing document to the CID System

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2.4. Risk Cases



2.5. Final state