BP_SO_11.4 Coordinated Third-Party Trading

Business Process

Version 3 – 01/07/2024

Contents

1. Assumptions

Assumptions made during the design of this process include:

- This is an All- Island business process, meaning the same process will be used across both jurisdictions on the island, Ireland and Northern Ireland. It can be conducted by the relevant team in either Dublin or Belfast;
- The following business process addresses all requirements, including roles, tools, and activities that will enable the TSO to achieve its objectives;
- All required systems, including MMS and ICMP are in place. They offer all required functionalities to support business needs; and
- System security issues identified ahead of real time should be managed through the routine scheduling and dispatch process and resolved ahead of real time to reduce the dependency on cross border actions.

2. Process References

2.1. Related Rules References

The following table provides references to the documents that govern the design of this business process for any of the SEM-GB interconnectors (Moyle, EWIC and Greenlink).

Document Title	Relevant Section	Description
SEM-11-062 Principles of Dispatch	All	This SEM Committee Decision provides principles for the TSOs in relation to dispatch including the interpretation of priority dispatch.
Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management	Clause 12	TSOs should implement coordinated redispatching of cross-border relevance or countertrading at regional level or above regional level. Redispatching of cross-border relevance or countertrading should be coordinated with redispatching or countertrading internal to the control area.

2.2. Related Documents

The following table provides a list of documents that are related to this business process.

Document Title	Relationship	Description
BP_SO_10.1 Perform Long Term and Short Term Scheduling	Related process	Long Term Scheduling or Real Time Commitment run is performed to determine any trade quantities in MMS as part of this process.
Methodology for determining System Operator and Non-Marginal Flags	Information	Describes the methodology on how actions are flagged for the purpose of imbalance pricing.
Balancing Market Principles Statement	Information	Public guide to the scheduling and dispatch process.

3. Process Context

3.1. Business Model Relationship

The 'Trading' process group details the mechanisms available to EirGrid, SONI and NGESO Electricity System Operator (NGESO) to exchange energy across any of the SEM-GB interconnectors (Moyle, EWIC and Greenlink). The arrangements are similar for all of them, in accordance with the operating agreements between the TSOs, and any differences are captured in the relevant process steps.

Coordinated Third-Party Trading is a mechanism available to alter the physical flows on the interconnectors on a firm reference program in advance of the Cross Border Balancing timeframes.

3.2. Background and Scope

EirGrid and SONI may need to alter the Interconnector Reference Program (ICRP) calculated based on Intra-Day Markets (IDA) auction results to avoid curtailment of priority dispatch or for system security. Coordinated Third-Party Trading (CTPT) allows the TSO to meet these objectives further in advance of real time to avoid the dependency on Cross Border Balancing Trading which occurs up to two and half hours before real time. Following publication of the IDA1 market results the interconnector reference programs (ICRP) for any of the SEM-GB interconnectors are updated and are considered firm until 11:00 on D. CTPT can be used to vary the ICRP on all these interconnectors up until this time. Following publication of the IDA2 market results the interconnector reference programs (ICRP) for any of the SEM-GB interconnectors are updated and are considered firm from 11:00 to 23:00 on D. CTPT can be used to vary the ICRP on all these interconnectors during this period.

4. Process Objective

The objective of this Business Process is to meet the following obligations, namely:

1) SEM-11-062 Principles of Dispatch

2) Commission Regulation (EU) 2015/1222 of 24 July 2015 establishing a guideline on capacity allocation and congestion management.

5. Roles and Responsibilities

5.1. NCC/CHCC

The following table provides a summary of the obligations of *NCC/CHCC* relating to *Coordinated Third-Party Trading*:

Function	Responsibility in relation to process	Timeline Associated
NCC/CHCC	• Request trade approval from NGESO	As required
	• Initiate CTPT trading if required and instruct trading partner to implement trades	As required
	• Ensure all trades are correctly entered in the systems for imbalance pricing and for scheduling	Within 15 minutes of trade commencing
	• Accept or reject trade request from NGESO	

5.2. National Grid Electricity System Operator (NGESO)

The following table provides a summary of the obligations of *NGESO* relating to *Coordinated Third-Party Trading*:

Function	Responsibility in relation to process	Timeline Associated
NGESO	• Request trade approval from NCC/CHCC	As required
	• Initiate CTPT trading if required	As required
	• Ensure all trades are correctly entered in the systems	As required
	• Accept or reject CTP trade proposal from NCC/CHCC	As required

6. Process Description

6.1. Process Map

Coordinated Third-Party Trading
Process Ref No: BP_SO_11.4
Process Owner: NCC/CHCC
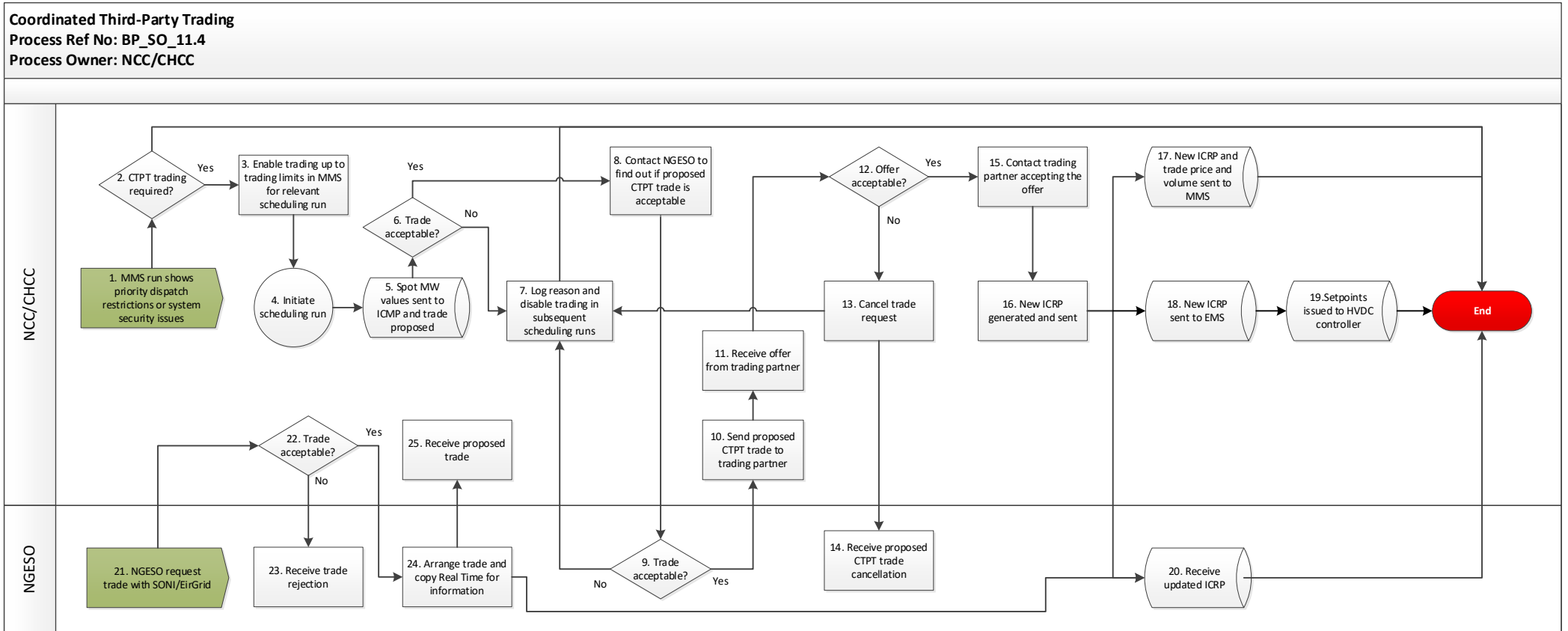
6.2. Process Steps

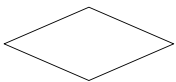| #	Step	Step Description	Responsible Role	Outputs	Indicative Timing/ Frequency	System
1	MMS run shows priority dispatch restrictions or system security issues	A MMS run shows priority dispatch reduction or system security issues.	N/A	Schedules	N/A	MMS
2	CTPT trading required?	Is Coordinated Third-Party Trading required to reduce priority dispatch curtailment or alleviate system security issues? If no, then no further steps required. If yes, then go to Step 3.	NCC/CHCC	Decision	As required	N/A
3	Enable trading up to trading limits in MMS for relevant scheduling run	Enable trading limits for any of the interconnectors in that run.	NCC/CHCC	N/A	As required	MMS
4	Initiate scheduling run	Refer to the proper MMS run procedure on how to initiate and perform scheduling run.	NCC/CHCC	Scheduling run	As required	MMS
5	Spot MW values sent to ICMP and trade proposed	The MMS run varies the ICRP by proposing spot MW value changes to it based on a decremental 'priority dispatch' price to avoid curtailment of priority dispatch or for system security reasons.	NCC/CHCC	Proposed trade	N/A	ICMP

#	Step	Step Description	Responsible Role	Outputs	Indicative Timing/ Frequency	System
6	Trade acceptable?	Operator reviews trade to determine if it is acceptable? **Criteria for trade acceptance:** 1. Priority Dispatch must not be further curtailed unless alleviating system security issue 2. Constraints should not be breached If no, go to Step 7. If yes, go to Step 8.	NCC/CHCC	Decision	As required	ICMP
7	Log reason and disable trading in subsequent scheduling runs	Log reason and disable trading in subsequent scheduling runs.	NCC/CHCC	Log entry	As required	All Island Log, MMS
8	Contact NGESO to find out if proposed CTPT is acceptable	NCC/CHCC contact NGESO to find out if the proposed trade is acceptable to them.	NCC/CHCC	N/A	As required	Phone/email
9	Trade acceptable?	NGESO either accept or reject the consideration of proposed trade. If no, go to Step 7. If yes, go to Step 10.	NGESO	Acceptance of rejection of the consideration of a trade.	As required	Phone/email
10	Send proposed trade to trading partner	Trade sent to the trading partner to facilitate a trade for the new position in BETTA.	NCC/CHCC	Trade	As required	ICMP
11	Receive offer from trading partner	Receive offer from trading partner for proposed trade.	NCC/CHCC	Proposed offer	As required	E-Mail

#	Step	Step Description	Responsible Role	Outputs	Indicative Timing/ Frequency	System
12	Offer acceptable?	Review offer sent by trading partner, accept or reject. If reject, go to Step 13. If accept, go to Step 15.	NCC/CHCC	Decision	As required	E-Mail
13	Cancel trade request	Contact NGESO and trading partner to cancel the proposed trade, go to Step 7.	NCC/CHCC	Trade cancelled	As required	Phone and E-Mail
14	Receive proposed CTPT trade cancellation	Receive proposed CTPT trade cancellation	NGESO	Trade cancellation	As required	Phone and E-Mail
15	Contact trading partner accepting the offer	Contact trading partner to accept the proposed offer.	NCC/CHCC	Offer acceptance	As required	E-Mail
16	New ICRP generated and sent	Following approval and confirmation of trade with NGESO a new ICRP is automatically generated and sent.	System Step	New ICRP	As required	ICMP
17	New ICRP and trade price and volume sent to MMS	New ICRP and trade price and volume sent to MMS for inclusion in scheduling, imbalance pricing & reporting.	System step	New ICRP	As required	ICMP, MMS
18	New ICRP sent to EMS	New ICRP sent to EMS for control of the interconnector.	System step	New ICRP	As required	EMS
19	Setpoints issued to HVDC controller	Setpoints issued to HVDC controller	System Step	New ICRP	As required	EMS
20	Receive updated ICRP	New ICRP sent to NGESO.	System step	New ICRP	As required	ICMP
21	NGESO request trade with SONI/EirGrid	NGESO have ascertained that they require a trade and send request to NCC/CHCC	NGESO	Trade requirement	As required	Phone/email

#	Step	Step Description	Responsible Role	Outputs	Indicative Timing/ Frequency	System
22	Trade acceptable?	NCC/CHCC run the relevant MMS run to ascertain if the proposed trade can be accommodated. **Criteria for trade acceptance:** 1. Priority Dispatch must not be curtailed unless trade is to alleviate an NGESO system security issue 2. System security or constraints should not be breached If no, go to Step 19. If yes, go to Step 20.	NCC/CHCC	Approve or reject trade	As required	MMS
23	Receive trade rejection	NGESO receive trade rejection from NCC/CHCC including reason for rejection.	NGESO	Trade rejected	As required	Phone/email
24	Arrange trade and copy NCC/CHCC for information	NGESO arrange the trade and copy NCC/CHCC for information.	NGESO	Trade	As required	ICMP

7. Appendices

7.1. Process Flowchart Key

FLOWCHART KEY	
Trigger	Trigger
	Process step
	Process decision / question
	Reference to another process
	Another business process to be implemented following current step (current step is a trigger for another process)
End	Process end
	System