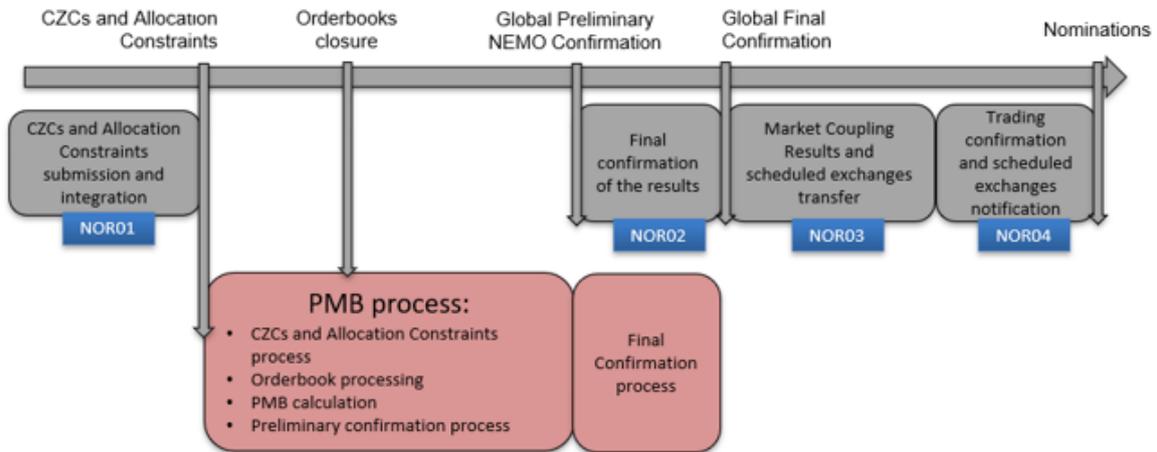


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1. Introduction

This procedure describes the SDAC pre-coupling process, from the TSO's submission of the Cross-Zonal Capacities (CZCs) and Allocation Constraints (ACs) until the data has been received by the NEMOs.



1.1. Summary

Once the TSOs Pre-Coupling Systems have gathered the Cross-Zonal Capacities and the Allocation Constraints, this procedure starts with the transfer of the Cross-Zonal Capacities and the Allocation Constraints from the TSOs Pre-Coupling Systems to the NEMO Pre-Coupling Modules. The process ends when the data is successfully received by the NEMOs, after which the Cross-Zonal Capacities and Allocation Constraints are published by the relevant parties.

It is considered that Cross-Zonal Capacities and the Allocation Constraints are normally received by the NEMOs until the Target Time [REDACTED]. If the Cross-Zonal Capacities and the Allocation Constraints are received after this time (either as a first version or as an updated version), the procedure SDAC_BUP_01 will be followed.

For the sake of clarity, regional procedures may apply earlier CZC Target Times than the SDAC Target Time ([REDACTED]).

Depending on the configuration of the interconnectors in the Price Coupling System (PMB), the SDAC interconnectors fall into three categories:

1. **Single submission interconnectors:** interconnectors for which the CZCs are sent by a single TSO to a single NEMO who then sends them to the PMB (see Table 1).
2. **Double submission interconnectors:** interconnectors for which the CZCs are sent by both counterpart TSOs to the relevant NEMOs who then send them to the PMB (see Table 1). Hence, the PMB receives CZC values from two different TSOs through the relevant NEMOs. The CZCs for these interconnectors are matched (cross-checked) by the two counterpart TSOs (prior to the sending to the NEMOs) and then by the two counterpart NEMOs.
3. **Multi submission interconnectors:** Interconnectors for which the CZCs are sent to the PMB by the concerned regional NEMOs and cross-checked in PMB, even if the CZCs are provided by a single TSO.

The CZC process for the double submission interconnectors is described in the applicable operational regional procedures (where both counterpart TSOs are represented).

The table below shows the interconnectors concerned by this procedure, the type of submission based on the source of the CZCs (single, double or multi-submission), the presence of the Allocation Constraints (for example: ramping, losses, tariff parameters etc.) and the different entities involved in the CZC-related processes.

Table 1 – The SDAC interconnectors and the different entities involved in the CZC process

Interconnector	Type of submission	Allocation Constraints	Entities involved	TSO	Other entities
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]		
[Redacted]	[Redacted]	[Redacted]	[Redacted]		
[Redacted]	[Redacted]	[Redacted]	[Redacted]		
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	
[Redacted]		[Redacted]	[Redacted]		
[Redacted]		[Redacted]	[Redacted]		
[Redacted]		[Redacted]	[Redacted]	[Redacted]	[Redacted]

1.2. Governed / Regulated by

- Day-Ahead Operations Agreement (DAOA)
- [REDACTED]

1.3. Tools and Communication protocols

- NEMO Pre-Coupling Modules / Local NEMO IT systems
- TSOs Pre-Coupling Systems [REDACTED] (between the different modules of the NEMO IT Systems)

[REDACTED]

1.4. Associated procedures

This procedure starts with the transfer of Cross-Zonal Capacities and Allocation Constraints from each TSO/TSO Pre-Coupling Systems, so the preceding procedures are TSO-internal, local procedures.

Subsequent procedures:

- ANDOA_NOR_02: Network Data Sending and Receiving
- SDAC_NOR_02: Final Confirmation of the Results

Other associated procedures and rules:

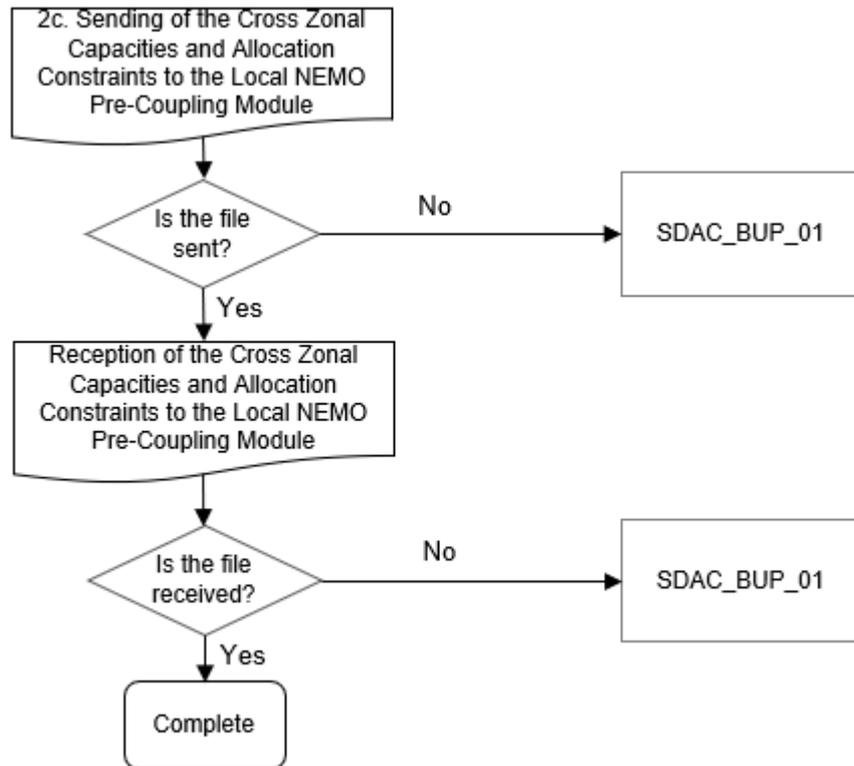
- SDAC_OTH_02: Internal and External Communications
- SDAC_BUP_01: Cross-Zonal Capacities and Allocation Constraints Submission
- ANDOA_BUP_02: Network Data Sending and Receiving
- SDAC_FAL_01: Incident Management
- ANDOA_FAL_02: Partial and Full Decoupling
- NEMOs' market rules
- TSOs' validation rules (the checks for validating the results, the reasons for rejecting them)

2. Procedure

2.1. Preconditions to start

The TSOs have produced the CZCs and Allocation Constraints.

2.2. General overview



The table below lists the SDAC Generic [REDACTED] processes related to the CZCs and Allocation Constraints. [REDACTED]

Remark: Please note that the grey lines are not included in the SDAC procedure. These are inputs or outputs that help to understand this procedure.

Table 2 – The Cross-Zonal Capacity process for the SDAC interconnectors

#	Process	Target time	From	To	Tool	BACKUP	FALLBACK
1a	Production of data for capacity calculation	-	-	-	TSO Back-End Systems	Local BUP procedures list	-
1b	Sending of the data for capacity calculation and optionally Allocation Constraints	-	TSO Back-End Systems	TSOs Pre-Coupling Systems	-	Local BUP procedures list	-
2a	Capacity calculation process and Allocation Constraints process	-	-	-	TSOs Pre-Coupling Systems/ TSO Back-End Systems	Local BUP procedures list	-

#	Process	Target time	From	To	Tool	BACKUP	FALLBACK
2b	Sending of the CZCs and Allocation Constraints to the TSO Back-End Systems	-	TSOs Pre-Coupling Systems	TSO Back-End Systems	-	Local BUP procedures list	-
-	<i>(If applicable)</i> - Sending of the CZCs to the counterpart TSO for matching purposes. - CZC matching between the two counterpart TSOs	Depending on regional procedures	Counterpart TSO	Counterpart TSO	-	Local TSO procedures	-
2c	Sending of the CZCs and Allocation Constraints to the local NEMOs' Pre-Coupling Modules.	10:30	TSOs Pre-Coupling Systems	Local NEMO Pre-Coupling Modules	-	SDAC_BUP_01	SDAC_FAL_01 and/ or SDAC_FAL_03
-	<i>(For the interconnectors with Shadow Auctions as Fallback Allocation solution)</i> Sending of the CZCs for the Shadow Auctions.	-	TSOs Pre-Coupling Systems	Fallback Allocation entity	-	Local procedures	-
2d	CZC and Allocation Constraints is sent to PMB System	10:30	Local NEMO Pre-Coupling Modules	PMB	-	ANDOA_BUP_02	-
-	<i>(For the double submission interconnectors only):</i> - Cross-check of the CZCs between the relevant counterpart NEMOs.	10:30	-	-	PMB	ANDOA_BUP_02	SDAC_FAL_01

2.3. Process Clarification

Sending of the CZCs and Allocation Constraints to the Local NEMOs IT System (2c)

As soon as the TSOs have determined the CZCs and Allocation Constraints, these are automatically and immediately sent from the TSOs Pre-Coupling Systems to the NEMOs Pre-Coupling Modules at the latest by Target Time.

The NEMOs may perform automatic checks on the format and content of the CZCs and Allocation Constraints file, according to the relevant local procedures agreed between the NEMOs and the TSOs.

The following table lists all the risk cases associated to the normal processes involved in this procedure, along with the references to the backup procedures to be used for each of the risks. All these risks and their related solutions are described in the backup procedure SDAC_BUP_01. The risk cases may apply to all the CZC files or only to some of them.

Table 3 – Risk Cases associated to the normal CZC process

#	Risk cases	Measures taken
1	CZCs and Allocation Constraints are not available at Target Time due to technical/ calculation issues.	SDAC_BUP_01
2	TSOs Pre-Coupling System cannot send the CZCs and Allocation Constraints before Target Time to the NEMO Pre-Coupling Module.	SDAC_BUP_01
3	NEMO Pre-Coupling Module cannot receive the CZCs and Allocation Constraints.	SDAC_BUP_01
4	NEMO Pre-Coupling Module rejects the CZCs and Allocation Constraints.	SDAC_BUP_01
5	CZCs and Allocation Constraints need to be updated after Target Time.	SDAC_BUP_01
6	Issues regarding the CZCs for the double submission interconnectors.	SDAC_BUP_01 and regional procedure
7	Network Data file rejected by the PMB	SDAC_BUP_01

2.4. Publication of CZCs and Allocation Constraints

See local procedures.

2.5. Final state

The procedure ends when the Cross-Zonal Capacities and Allocation Constraints are successfully received by the NEMOs Pre-Coupling Modules.