DAC_BUP_01: Cross-Zonal Capacities and Allocation Constraints Submission

Remarks

As a general principle, if this backup procedure cannot solve the issue by 11:30 (Full Coupling Deadline for CZC-related issues), the operators refer to **DAC_FAL_01** – Incident Management.

Contents

1. Introduction

The Cross-Zonal Capacities (CZCs) and optionally the Allocation Constraints are determined by the TSOs and submitted to the NEMO Local Trading System. NEMO then forward this data to the MC Service Provider's IT system.

This backup procedure describes all the risk cases related to the procedure DAC_NOR_01.

1.1. Purpose

As a general remark, the DAC backup procedures aim at offering a common framework to which all the local backup procedures must be aligned accordingly.

The purpose of this procedure is to provide an overview of the applicable backup solutions in case of problems in the Pre-Coupling phase, which might jeopardize the timely reception of the CZCs and optional Allocation Constraints by the NEMO Local Trading System.

The below mentioned backup solutions may be applied only before 11:30, which is the Full Coupling Deadline for CZC-related issues even though NEMO will perform the decoupling of the AL-KS interconnector.

In case the issue still persists at 11:00, at the Latest Time to Start an Incident Committee (IC) for CZC-related issues, an IC will be started according to procedures DAC_FAL_01.

If the backup solutions do not solve the issue before 11:30 and CZCs are still not available, the Incident Committee will declare the Full Decoupling from DAC.

The local procedures are mentioned only for reference purpose, while the common backup solutions are explained in more detail.

1.2. Governed / Regulated by

- Day-Ahead Coupling Operations Agreement (DACOA)
- NEMO - MC Service Provider Procedure
- Local Procedures

1.3. Tools and Communication protocols

- The NEMO Local Trading System
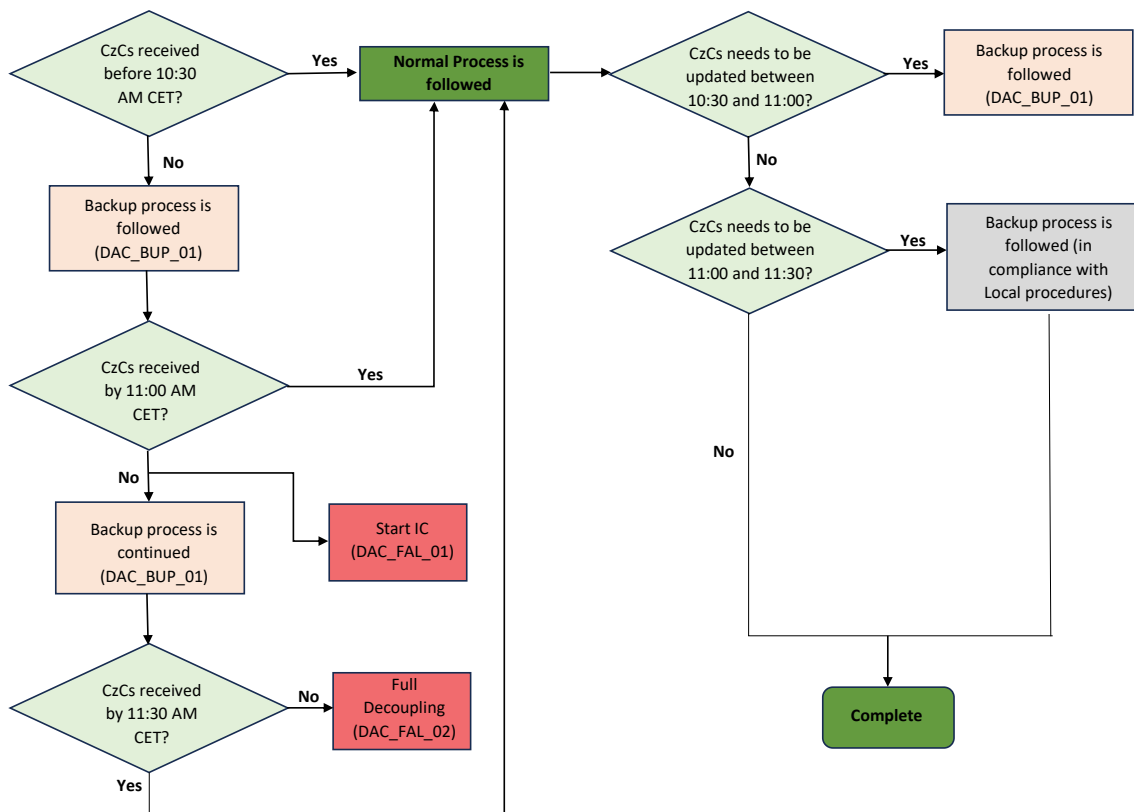- TSO IT Systems

1.4. Associated procedures

Normal procedures:
- DAC_NOR_01: Cross-Zonal Capacities and Allocation Constraints Submission Following Normal procedures:
- DAC_NOR_02: Final MC Results

Other associated procedures:
- DAC_FAL_01: Incident Management
- DAC_OTH_02: Internal and External Communications
- DAC_FAL_02: Full Decoupling

The below flowchart shows the CZC process.

Flowchart:

- CzCs received before 10:30 AM CET? — Yes → Normal Process is followed
- CzCs received before 10:30 AM CET? — No → Backup process is followed (DAC_BUP_01)
- Backup process is followed (DAC_BUP_01) → CzCs received by 11:00 AM CET?
- CzCs received by 11:00 AM CET? — Yes → Normal Process is followed
- CzCs received by 11:00 AM CET? — No → Backup process is continued (DAC_BUP_01) → Start IC (DAC_FAL_01)
- Backup process is continued (DAC_BUP_01) → CzCs received by 11:30 AM CET?
- CzCs received by 11:30 AM CET? — No → Full Decoupling (DAC_FAL_02)
- CzCs received by 11:30 AM CET? — Yes → Normal Process is followed
- Normal Process is followed → CzCs needs to be updated between 10:30 and 11:00?
- CzCs needs to be updated between 10:30 and 11:00? — Yes → Backup process is followed (DAC_BUP_01)
- CzCs needs to be updated between 10:30 and 11:00? — No → CzCs needs to be updated between 11:00 and 11:30?
- CzCs needs to be updated between 11:00 and 11:30? — Yes → Backup process is followed (in compliance with Local procedures) → Complete
- CzCs needs to be updated between 11:00 and 11:30? — No → Complete

2. Procedure

2.1. General overview

The table below lists all the risk cases that were identified in procedure DAC_NOR_01 and indicates which actions should be taken on DAC-level to solve the identified issues.

Table 2 – Risk Cases associated to the CZC process.

Risk Case	Process	Target Time	Latest Time to Start IC for CZC related issues	Full Decoupling Deadline for CZC- related issues	Tool	Backup solution	FALLBACK
1	CZCs and Allocation Constraints are not available at Target Time due to technical/ calculation issues.	10:30	11:00	11:30	TSO IT Systems	TSO backup procedures	DAC_FAL_01
2	TSO IT Systems cannot submit the CZCs and Allocation Constraints before Target Time to the NEMO Local Trading System.	10:30	11:00	11:30	TSO IT Systems	Sending of the files in Backup mode	DAC_FAL_01
3	The NEMO Local Trading System cannot receive the CZCs and Allocation Constraints.	10:30	11:00	11:30	NEMO Local Trading System	Manual upload of files by the NEMO Local Trading System	DAC_FAL_01
4	the NEMO Local Trading System rejects the CZCs and Allocation Constraints.	10:30	11:00	11:30	NEMO Local Trading System	NEMO to contact the relevant TSO	DAC_FAL_01
5	CZCs and Allocation Constraints need to be updated after Target Time (allowed until 11:00).	10:30	N/A	11:30	TSO IT Systems	TSO Operator updates and resends the files to the NEMO	DAC_FAL_01

6	Issues regarding the CZCs for the double submission interconnectors.	10:30	11:00	11:30	-	local procedures	DAC_FAL_01
7	Network Data file rejected by the MC Service Provider's IT system.	10:30	11:00	11:30	TSO IT Systems, the NEMO Local Trading System	local procedures	DAC_FAL_01

2.2. Risk Cases - Process clarification

Case 1: CZCs and Allocation Constraints are not available at Target Time due to technical/ calculation issues.

In case CZCs and Allocation Constraints cannot be generated due to technical or calculation issues by Target Time, the related TSO has to contact as soon as possible the NEMO in order to inform about the issue. The NEMO will inform the MC Service Provider about the delay.

The concerned TSO applies its own backup procedures in order to solve the issue.

If the issue cannot be solved by 11:00 (the Latest Time to Start an Incident Committee for CZC reasons) an Incident Committee will be launched according to procedure DAC_FAL_01.

Messaging involved will be sent according to local procedures.

Case 2: TSO IT System cannot send the CZCs and Allocation Constraints at Target Time to the Local NEMO Trading System

When the TSO IT Systems have determined the CZCs and Allocation Constraints these should automatically be sent as a file from the TSO to the NEMO Local Trading System before the Target Time.

If one or more of the TSO's IT Systems encounter submission issues, the following actions have to be performed:

a) TSO IT System Operator contacts the NEMO by phone or email

b) If the NEMO has no information from the related TSO than, the NEMO contacts the relevant TSO IT System Operator by phone and the NEMO contacts the MC Service Provider according to relevant agreement.

c) TSO sends the data in backup mode according to local backup procedures and NEMO uploads the data according to local procedures.

If the above action does not solve the issue by the Latest Time to Start an Incident Committee (11:00), an Incident Committee will be launched according to procedure DAC_FAL_01.

Messaging involved will be sent according to local procedures.

Case3: NEMO Local Trading System cannot receive the CZCs and Allocation Constraints

After the TSO IT systems have determined the CZCs and Allocation Constraints, these should be automatically sent from the TSOs IT system to NEMO Local Trading System by Target Time.

If NEMO Local Trading System does not receive the data by Target Time, the following actions have to be performed:

a) The NEMO contacts the relevant TSO Operator by phone and the NEMO informs the MC Service Provider according to the respective procedure.

b) If the relevant TSO Operator has no information from NEMO and the TSO Operator has not received an acknowledgement from NEMO Local Trading System, he contacts the NEMO by phone;

c) The NEMO receives the files in backup mode from TSOs IT system and uploads them according to local backup procedures;

If the above action does not solve the issue by 11:00 (the Latest Time to Start an Incident Committee for CZC reasons) an Incident Committee will be launched according to procedure DAC_FAL_01.

Case 4: NEMO Local Trading System rejects the CZCs and Allocation Constraints

When the TSO IT Systems have determined the CZCs and Allocation Constraints, these should automatically be sent from the TSOs IT System to NEMO Local Trading System by the target time.

If NEMO Local Trading System rejects the CZCs and/or the Allocation Constraints due to incomplete file or not passing the syntax check, the following actions are to be performed:

a) The NEMO operator has to contact the relevant TSO operator by phone/email and informs the MC Service Provider about the reason of rejection;

b) Explain the reason for rejection and ask for a new version of the file;

c) The relevant TSO operator sends the file once again according to local procedure.

If the above action solves the issue and the new file is accepted, normal procedures are followed as usual. If the new file is not accepted, the steps above are retried in order to solve the issue.

If the above action does not solve the issue by 11:00 (the Latest Time to Start an Incident Committee for CZC reasons) an Incident Committee will be launched according to procedure DAC_FAL_01.

Messaging involved will be sent according to local procedures.

Case 5: CZCs and Allocation Constraints need to be updated after Target Time

CZCs and Allocation Constraints may be updated in normal situations before the Target Time.

In addition, TSOs may require an update of the CZCs and Allocation Constraints between 10:30 and 11:00. After 11:00 (day-ahead firmness deadline), CZCs and Allocation Constraints cannot be updated anymore.

Due to the fact that the Exchange Members would still have 60 minutes to react on the updated CZCs and Allocation Constraints, NEMO order book GCT would never be delayed due to CZCs and Allocation Constraints updates.

If a TSO needs and is allowed by local rules to update the CZCs and/or Allocation Constraints after the Target Time, but prior to 11:00, the following actions have to be performed:

a) The TSOs informs NEMO by phone/email that a new data with an updated CZCs and/or Allocation Constraints will arrive after the Target Time, but before 11:00.
b) The NEMO informs the MC Service Provider according to the relevant procedures.
c) The TSOs sends the updated values to the NEMO according to Local Procedures before 11:00.
d) The NEMO receives the file and sends it to the MC Service Provider's IT System, according to the Local Procedures.

If the update of CZCs into the NEMO trading system fails between 11:00 and 11:30 then there are 3 options:

1. The earlier CZCs are used;
2. The CZCs are put to zero (the concerned interconnector is de facto decoupled);
3. No capacity allocation on the line.

The NEMO and TSO will follow the option(s) agreed in Local Procedures.

The NEMO may inform the Exchange Members through an external communication, according to local procedures in order to inform the Exchange Members about the update.

Case 6: Issues regarding the CZCs for the double-sided submission interconnectors

The main risk related to the CZC process for the double-sided submission interconnectors is CZC mismatch detected by the cross-check by the NEMO Local Trading System. Given that the source of the CZC values is different (coming from the two counterpart TSOs).

The solutions for the issues related to the CZCs for the double-sided submission interconnectors are described in the Local Procedures. They are mentioned here only for ensuring the link with the relevant procedures.

Case 7: Network Data file rejected by the MC Service Provider's IT System

The NEMO is generating a Network Data file based on the CZC values received from the TSO IT Systems.

As soon as the Network Data file is sent by NEMO to the MC Service Provider's IT System, the MC Service Provider will check if the file passes the applicable validations.

If the applicable validations are not successful, the MC Service Provider's IT System will reject the Network Data file and the NEMO will receive a negative ACK.

If the Network Data file is rejected by the MC Service Provider's IT System, the TSO IT Systems will need to correct the CZC file and will provide a new version to NEMO, using the regular method of communication.

If a valid Network Data file could still not be provided to the MC Service Provider's IT System by 11:00 (the Latest Time to Start an IC for CZC reasons), an IC will be launched according to the DAC_FAL_01 procedure.

If a valid Network Data file could still not be provided to the MC Service Provider's IT System by 11:15, the NEMO shall inform the other parties and the Exchange Members about the risk of full decoupling from DAC.

This information shall be given by sending the external message described in DAC_OTH_02 procedure.

If a valid Network Data file could still not be provided to the MC Service Provider's IT System by 11:30, refer to DAC_FAL_02 procedure.

3.   Final state to start the next normal procedure

The final state in order to be able to start the next process is when the NEMO Local Trading System has successfully received the CZCs and Allocation Constraints.

4.   Incident investigation and reporting

When the price coupling process is completed, in case an Incident Committee was organized, the NEMO is responsible for filling in the Incident Committee Report and distributed it to all the Incident Committee parties, as described in procedure DAC_FAL_01.