XBID_TSO_BUP_01: Cross-Zonal Capacity Submission

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Approval

Version	Date	Name	Function	Signature

Previous versions

Version	Date	Name	Function	Signature
0.1	11/03/2015	TenneT TSO B.V.		Initial draft related to processing of review comments on XBID_NOR_01
	11/03/2015	Elia		Review
	19/03/2015	Swissgrid		Feedback
	24/02/2015	Statnett		Review and comments
0.2	21/06/2016	Joint		Review and clean-up
0.3	31/10/2016	Joint		Review and clean-up
0.4	25/07/2017	Joint		Update regarding issue registering, link to messaging (JOINT_OTH_02) and footnote added with exceptions.
0.5	10/11/2017	Energinet	AP from UAT IV to correct	AAC cannot manually be entered. Also ”As found out in the 3.12 execution, the case 8 of BUP_01 has to be fixed: This backup is not valid: “Interconnector D: The TSO Operator manually enters the CZCs through the XBID System interface according to BUP_1” unless the affect IC is activated again. This is according to system spec but incorrectly described in the procedure BUP_01 – case 8.” Included CCC in the BUP, to align with NOR_01
0.6	21/11/2017	Joint		Cleaned up
0.7	27/03/2019	O TF Chair		Minor textual changes

	30/05/3029	O TF Chair		Minor textual changes
0.8	28/06/2019	O TF Chair		Added confirmation of task completion when other TSO(s) has taken over a task.
0.9	01/07/2019	O TF Chair		Correction of references in case 12
0.9.1	29/10/2019	O TF Chair		Added in case 4, 10 and 13 notification of occurrence due unavailability of XBID System
0.9.2	27/07/2020	O TF Chair		Extended desription of case 13 Corrected reference to XBID_JOINT_FAL_01

Remarks

As a general principle, if this backup procedure cannot solve the issue in due time, the operators refer to **XBID_JOINT_FAL_01**.

In the context of DBAG responding to and solving issues, the *predefined time* is detailed in Section 2.1 of XBID_JOINT_FAL_01 - Incident Management.

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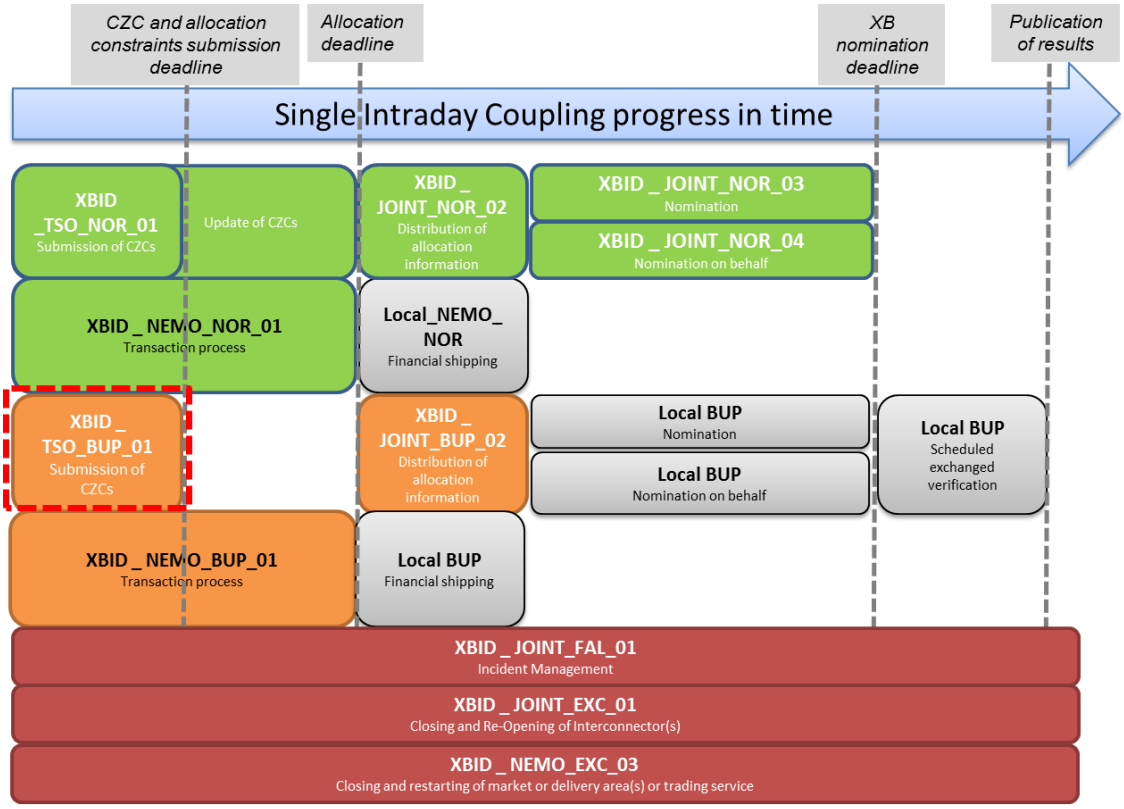
1. Introduction



The Cross-Zonal Capacities (CZCs) are determined by the TSOs, or if applicable the Coordinated Capacity Calculator (hereafter referred to as CCC) or any party entitled by TSOs to do so (hereafter referred to as the TSOs), and submitted to the Cross-Border Intraday (XBID) System mandatory for interconnectors with limited available capacity and optionally for interconnectors with unlimited available capacity, by the appointed TSO or if applicable the CCC).

This backup procedure describes all the risk cases related to the procedure XBID_TSO_NOR_01. This procedure applies for both the submission of initial AACs and CZCs and the submission of updated AACs and CZCs.

Please note:

- Capitalized terms used in the operational XBID procedures have the meaning set forth in Exhibit 1 of the Intraday Operations Agreement (IDOA).
- Where TSO(s) is (are) mentioned in the rest of this procedure it can be replaced by the relevant Coordinated Capacity Calculator, CCC, if applicable.

1.1. Purpose

As a general remark, the XBID 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 the operators with 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 AACs by the XBID System.

The below mentioned backup solutions may be applied at any time when submitting CZCs and AACs to the XBID System.

In case the issue cannot be solved by application of the below mentioned backup solutions, the interconnector in concern cannot be opened for Cross-Border trading or must be closed for trading when it is already open for trading. In the appropriate case, the TSOs will apply procedures XBID_JOINT_FAL_01 – Incident Management and XBID_JOINT_EXC_01 - Closing and re-opening of Interconnector(s).

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

1.2. Governed / Regulated by

- TSO Cooperation IntraDay (TCID)
- High Level Architecture (HLA)

1.3. Tools and Communication protocols

- XBID System
- TSO Pre-Coupling Systems
- Internet/ Fax/ E-mail/ Phone
- ECP via MPLS
- SFTP
- Leased Line, SCP
- Encrypted E-mail

1.4. Associated procedures

Normal procedures:

- XBID_TSO_NOR_01: Cross-Zonal Capacity Submission

Following Normal procedures:

- XBID_JOINT_NOR_02: Distribution of allocation information

Other associated procedures:

- XBID_JOINT_FAL_01: Incident Management
- XBID_JOINT_EXC_01: Closing and re-opening of Interconnector(s)
- XBID_JOINT_OTH_05: Internal and External Communications

2. Procedure

2.1. General overview

The table below lists all the risk cases that were identified in procedure XBID_TSO_NOR_01 and indicates which actions should be taken on XBID-level to solve the identified issues. The chapter 2.2 deals with the actions that should be taken at the XBID level in order to solve the identified issues.

Table 1 – Risk cases associated to the Cross-Zonal Capacity submission process

#	Risk case
1	AACs cannot be determined by TSOs.
2	TSOs' Pre-Coupling System cannot send the AACs.
3	XBID System cannot receive the AACs.
4	XBID System fails to integrate the AACs file.
5	XBID System rejects the AACs/ sends a negative acknowledgement for AACs.
6	TSO's Pre-Coupling System doesn't receive acknowledgement for AACs.
7	CZCs cannot be determined by TSOs.
8	TSOs' Pre-Coupling System cannot send the CZCs.
9	XBID System cannot receive the CZCs.
10	XBID System fails to integrate the CZCs file.
11	XBID System rejects the CZCs/ sends a negative acknowledgement for CZCs.
12	TSO's Pre-Coupling System doesn't receive acknowledgement for CZCs.
13	XBID System does not activate/ update CZCs.

2.2. Risk Cases - Process clarification

Case 1: AACs cannot be determined by TSOs.

No XBID-trading will be possible until the AACs become available. Local trading can however continue.

In case the AACs cannot be delivered before the scheduled Gate Opening of the concerned interconnector(s), the opening of the interconnector(s) will be postponed and the market must be informed on the delayed Gate Opening using pre-defined message XBID_TSO_01 (see

procedure XBID_JOINT_OTH_02)[1].

When the AACs become available and a delayed Gate Opening has been announced, the market must be informed in advance on the new Gate Opening Time, using pre-defined message XBID_TSO_02 (see procedure XBID_JOINT_OTH_02).

Case 2: TSOs' Pre-Coupling System cannot send the AACs.

If the TSO operator detects an IT problem on its side, it contacts its internal support in order to identify and to solve the issue. As soon as the issue is detected, but at the latest 15 minutes before the scheduled Gate Opening for the concerned interconnector is reached (cf. table 1 in XBID_TSO_NOR_01), the following work-arounds can be applied:

- The TSO operator uses its back-up communication channel such as an email or manual file upload through the CMM Graphical User Interface.
- The TSO operator asks the other TSO to send the AACs.[2] The operator of the other TSO confirms completion of the task to the operator of the TSO requesting to take over the task.

If the problem cannot be solved before the scheduled Gate Opening for the concerned interconnector, no Cross-Border trading will be possible (XBID_JOINT_FAL_01) until the problem is solved. Local trading in each area can however continue.

In case the AACs cannot be delivered before the scheduled Gate Opening of the concerned interconnector(s), the opening of the interconnector(s) will be postponed and the market must be informed on the delayed Gate Opening using pre-defined message XBID_TSO_01 (see procedure XBID_JOINT_OTH_02)[1].

When the AACs can be sent again and a delayed Gate Opening has been announced, the market must be informed in advance on the new Gate Opening Time, using pre-defined message XBID_TSO_02 (see procedure XBID_JOINT_OTH_02).

Case 3: XBID System cannot receive the AACs.

In case the processing of electronically sent files by the XBID System fails, resulting in no AACs visible in the XBID System, the TSO operator uses its Back-Up communication channel such as an email.

When this is noticed, either the TSO operator informs the helpdesk [redacted] to create a ticket in IMT or the TSO operator in person creates a new ticket in the IMT.

If the problem cannot be solved before the scheduled Gate Opening for the concerned interconnector, no Cross-Border trading will be possible (XBID_JOINT_FAL_01) until the problem is solved. Local trading in each area can however continue.

In case the XBID System cannot receive the AACs before the scheduled Gate Opening of the concerned interconnector(s), the opening of the interconnector(s) will be postponed and the market must be informed on the delayed Gate Opening using pre-defined message XBID_TSO_01 (see procedure XBID_JOINT_OTH_02)[1].

[1] The message is to be sent irrespective of the cross zonal capacity to be released at the scheduled Gate Opening.
[2] Note: Not all interconnectors have this backup in place.

When the XBID System can receive the AACs again and a delayed Gate Opening has been announced, the market must be informed in advance on the new Gate Opening Time, using pre-defined message XBID_TSO_02 (see procedure XBID_JOINT_OTH_02).

Case 4: XBID System fails to integrate the AACs.

As soon as the issue is detected, the following work-around can be applied:

- The TSO operator uses its Back-Up communication channel such as an email or manual upload.
- The TSO operator asks the other TSO to send the AACs. [3] The operator of the other TSO confirms completion of the task to the operator of the TSO requesting to take over the task.

Note: The automatic integration of the AACs might fail when it coincides with an unavailability of (parts of) the XBID System.

If the problem cannot be solved before the scheduled opening for the concerned interconnector, no XBID-trading will be possible until the problem is solved (XBID_JOINT_FAL_01). Local trading can however continue.

In any case, either the TSO operator informs the helpdesk [redacted] to report a technical issue in the IMT or the TSO operator in person creates a new ticket in the IMT.

In case the AACs cannot be integrated before the scheduled Gate Opening of the concerned interconnector(s), the opening of the interconnector(s) will be postponed and the market must be informed on the delayed Gate Opening using pre-defined message XBID_TSO_01 (see procedure XBID_JOINT_OTH_02)[1].

When the AACs can be integrated and a delayed Gate Opening has been announced, the market must be informed (in advance) on the new Gate Opening Time, using pre-defined message XBID_TSO_02 (see procedure XBID_JOINT_OTH_02).

Case 5: XBID System rejects the AACs/ sends a negative acknowledgement for AACs.

If in the XBID System, the result of checks is a "failed syntax check", XBID System sends a negative ACK.

When the TSO receives a negative ACK message from the XBID System, the TSO operator first follows its local procedures to determine which system causes the rejection. Once determined that the rejection is not caused by the sending TSO Pre-Coupling system, either the helpdesk [redacted] must be contacted and a technical issue must be reported by the TSO operator does so on behalf of the TSO.

Here is the "error code" in a negative ACK:

CODE	*DEFINITION*	*DESCRIPTION*
A02	*Message fully rejected*	*No part of the message has been accepted for application processing.*

[3] Note: Not all interconnectors have this backup in place.

- If the negative ACK is due to technical problem with the XBID System, the helpdesk [redacted] will try to solve the problem within a predefined time. In addition, the helpdesk [redacted] will inform by IMT that the problem is neither in the file nor due to the TSO System.
- If the negative ACK is due to the file sent by the TSO Pre-coupling System, the TSO operator will fix the problem and send a new version of the AACs file to the XBID System as described in case 2.

If the problem cannot be solved before the scheduled Gate Opening for the interconnector in concern, no XBID-trade will be possible until the problem is solved (XBID_JOINT_FAL_01). Local trading can continue.

In case the AACs are not accepted by the XBID System before the scheduled Gate Opening of the concerned interconnector(s), the opening of the interconnector(s) will be postponed and the market must be informed on the delayed Gate Opening using pre-defined message XBID_TSO_01 (see procedure XBID_JOINT_OTH_02)[1].

When the XBID System can accept the AACs again and a delayed Gate Opening has been announced, the market must be informed in advance on the new Gate Opening Time, using pre-defined message XBID_TSO_02 (see procedure XBID_JOINT_OTH_02).

Case 6: TSO's Pre-Coupling System doesn't receive acknowledgement for AACs.

In case the TSO's Pre-Coupling System does not receive an ACK within 5 minutes after sending the AACs, the TSO operator verifies in the XBID System whether AACs are correctly uploaded or not. In case the AACs are uploaded correctly, the regular process continues.

Non-reception of the acknowledgement by the TSO operator could mean either that the file has not been received correctly by the XBID System or the XBID System cannot send any ACK.

In case the problem is linked to the sending of the AACs, actions from case 2 of this procedure will be applied.

In case the problem is linked to the upload of the file, actions from case 3 of this procedure will be applied.

In case the problem is linked to the integration of the AACs, actions from case 4 of this procedure will be applied.

Case 7: CZCs cannot be determined by TSOs.

No XBID-trading will be possible until the CZCs become available. Local trading can however continue.

In case the CZCs cannot be delivered before the scheduled Gate Opening Time of the concerned interconnector(s), the opening of the interconnector(s) will be postponed and the market must be informed on the delayed Gate Opening Time, using pre-defined message XBID_TSO_01 (see procedure XBID_JOINT_OTH_02)[1].

When the CZCs become available and a delayed Gate Opening has been announced, the market must be informed in advance on the new Gate Opening Time, using pre-defined message XBID_TSO_02 (see procedure XBID_JOINT_OTH_02).

Case 8: TSOs Pre-Coupling System cannot send the CZCs.

If the TSO operator detects an IT problem on his side, it contacts its internal support in order to identify and to solve the issue. As soon as the issue is detected, but at the latest 15 minutes before the scheduled Gate Opening for the interconnector in concern is reached (cf. table 1 in XBID_TSO_NOR_01), the following actions can be applied:

- The TSO operator uses its Back-Up communication channel such as an email or manual file upload.[4]
- The TSO operator asks the (other) TSO(s) to send the CZCs[5]. The operator of the other TSO confirm completion of the task to the operator of the TSO requesting to take over the task.

If the problem cannot be solved before the scheduled Gate Opening for the concerned interconnector, no XBID-trading will be possible (XBID_JOINT_FAL_01) until the problem is solved. Local trading can however continue.

In case the CZCs cannot be delivered before the scheduled Gate Opening of the concerned interconnector(s), the opening of the interconnector(s) will be postponed and the market must be informed on the delayed Gate Opening using pre-defined message XBID_TSO_01 (see procedure XBID_JOINT_OTH_02)[1].

When the CZCs can be sent again and a delayed Gate Opening has been announced, the market must be informed in advance on the new Gate Opening Time, using pre-defined message XBID_TSO_02 (see procedure XBID_JOINT_OTH_02).

Case 9: XBID System cannot receive the CZCs.

In case the processing of electronically sent files by the XBID System fails, resulting in no CZCs visible in the XBID System, the TSO operator uses its Back-Up communication channel such as an email or manual upload of the file or if applicable ask the other TSO(s) to send the CZCs [6]. The operator of the other TSO confirms completion of the task to the operator of the TSO requesting to take over the task.

When this is noticed, either the TSO operator informs the helpdesk [redacted] to report a technical issue or the TSO operator in person creates a new ticket in the IMT.

If the problem cannot be solved before the scheduled Gate Opening for the concerned interconnector, no XBID-trading will be possible (XBID_JOINT_FAL_01) until the problem is solved. Local trading can however continue.

In case the XBID System cannot receive the CZCs before the scheduled Gate Opening of the concerned interconnector(s), the opening of the interconnector(s) will be postponed and the market must be informed on the delayed Gate Opening using pre-defined message XBID_TSO_01 (see procedure XBID_JOINT_OTH_02)[1].

When the XBID System can receive the CZCs again and a delayed Gate Opening has been announced, the market must be informed in advance on the new Gate Opening Time, using pre-defined message XBID_TSO_02 (see procedure XBID_JOINT_OTH_02).

[4&5] Note: Manual entry of CZCs is only possible, if the affected interconnector is activated again.

[5] Note: Not all interconnectors have this backup in place.

Case 40: XBID System fails to integrate the CZCs.

In case the automatic integration doesn't work the TSO has the backup options as described below. As soon as the issue is detected, but at the latest 15 minutes before the scheduled Gate Opening for the interconnector in concern is reached, the following actions can be put in place:

- The TSO operator uses its Back-Up communication channel such as an email or manual file upload. [7]
- The TSO operator asks the (other) TSO to send the CZCs[8]. The operator of the other TSO confirms completion of the task to the operator of the TSO requesting to take over the task.

Note: The automatic integration of the CZCs might fail when it coincides with an unavailability of (parts of) the XBID System.

If the problem cannot be solved before the deadline for the concerned interconnector, no XBID-trading will be possible until the problem is solved (XBID_JOINT_FAL_01). Local trading can however continue.

When this is noticed, either the TSO operator informs the helpdesk [redacted] to report a technical issue or the TSO operator in person creates a new ticket in the IMT.

In case the CZCs cannot be integrated before the scheduled Gate Opening of the concerned interconnector(s), the opening of the interconnector(s) will be postponed and the market must be informed on the delayed Gate Opening using pre-defined message XBID_TSO_01 (see procedure XBID_JOINT_OTH_02)[1].

When the CZCs can be integrated and a delayed Gate Opening has been announced, the market must be informed (in advance) on the new Gate Opening Time, using pre-defined message XBID_TSO_02 (see procedure XBID_JOINT_OTH_02).

Case 11: XBID System rejects the CZCs/ sends a negative acknowledgement for CZCs.

If in the XBID System, the result of checks is a "failed syntax check", XBID System sends a negative ACK.

When the TSO receives a negative ACK message from the XBID System, the TSO operator first follows its local procedures to determine which system causes the rejection. Once determined that the rejection is not caused by the sending TSO Pre-Coupling system, either the helpdesk [redacted] must be contacted and a technical issue must be reported by the TSO operator does so on behalf of the TSO.

Here is the "error code" in a negative ACK:

CODE	*DEFINITION*	*DESCRIPTION*
A02	*Message fully rejected*	*No part of the message has been accepted for application processing.*

[7] Note: Manual entry of CZCs is only possible, if the affected interconnector is activated again.
[8] Note: Not all interconnectors have this backup in place.

- If the negative ACK is due to technical problem with the XBID System, the helpdesk [redacted] will try to solve the problem within a predefined time. In addition, the helpdesk [redacted] will also inform by IMT that the problem is neither in the file nor due to the TSO System.
- If the negative ACK is due to the file sent by the TSO Pre-coupling System, the TSO operator will fix the problem and send a new version of the CZCs file to the XBID System.
- In case the sending of a new version of the CZCs is not successful, the TSO operator asks the (other) TSO(s) to send the CZCs, if this backup is in place on the interconnector. The operator of the other TSO confirm completion of the task to the operator of the TSO requesting to take over the task.

If the problem cannot be solved before the scheduled Gate Opening for the interconnector in concern, no XBID-trade will be possible until the problem is solved (XBID_JOINT_FAL_01). Local trading can continue.

In case the CZCs are not accepted by the XBID System before the scheduled Gate Opening of the concerned interconnector(s), the opening of the interconnector(s) will be postponed and the market must be informed on the delayed Gate Opening using pre-defined message XBID_TSO_01 (see procedure XBID_JOINT_OTH_02)[1].

When the XBID System can accept the CZCs again and a delayed Gate Opening has been announced, the market must be informed in advance on the new Gate Opening Time, using pre-defined message XBID_TSO_02 (see procedure XBID_JOINT_OTH_02).

Case 12: TSO's Pre-Coupling System doesn't receive acknowledgement for CZCs.

In case the TSO Pre-Coupling System does not receive an ACK within 5 minutes after sending the CZCs, the TSO operator verifies in the XBID System whether CZCs are correctly uploaded or not. In case the CZCs are uploaded correctly, the regular process continues.

Non-reception of the acknowledgement by the TSO operator could mean either that the file has not been received correctly by the XBID System or the XBID System cannot send any ACK.

In case the problem is linked to the sending of the CZCs, actions from Case 8 of this procedure will be applied.

In case the problem is linked to the upload of the file, actions from Case 9 of this procedure will be applied.

In case the problem is linked to the integration of the CZCs, actions from Case 10 of this procedure will be applied.

Case 13: XBID System does not activate/ update CZCs.

In case AACs and CZCs for an interconnector are in the XBID System but the XBID System does not activate the CZCs, i.e. does not open the interconnector for Cross-Border trading, while the activation mode is "automatically" or the Electronic Confirmation message of CZCs has been sent, the TSO operator will manually activate the CZCs in the XBID System.

Note: When AACs and CZCs for an interconnector have not been uploaded in the XBID System prior to the Gate Opening for this interconnector, the TSO operator anyhow will have to

activate the CZCs manually.

Note: The activation/update of CZCs might fail when it coincides with an unavailability of (parts of) the XBID System and requires the TSO operator to activate the CZCs manually afterwards.

When the XBID System still does not activate/update the CZC, either the TSO operator informs the [redacted] helpdesk to report a malfunction of the XBID System or the TSO operator in person creates a new ticket in the IMT.

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 CZCs and AACs are successfully received, integrated and activated by the XBID System.