

IDA_NEMO_NOR_12: Preliminary Confirmation of the Results

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Previous versions

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1.0	03/09/2024	PWG	RFC: T9 parameter change - Table 1: Target Time shortened - Chapters 2.3: Target Time shortened Table 1: general replacement of GCT with OBK GCT.

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1. Introduction

This procedure describes the process of the Preliminary Confirmation of the Results. After receiving all the Results (the trigger to start this process), every Operational NEMO has 3,5 dedicated minutes for checking the Results in their internal NEMO Systems and for sending the Preliminary Confirmation to the Cloud. After all the Operational NEMOs have sent their positive Preliminary Confirmations, the IDA Coordinator sends the positive Global Preliminary Confirmation, which ends the process.

1.1. Summary

The purpose of this procedure is to describe the part of the Market Coupling process that starts when the Results are distributed by the IDA Coordinator to every IDA NEMO Operator and ends with the Global Preliminary Confirmation file received by every PMB. The steps are the following:

- Each Operational NEMO has 3,5 minutes to validate the Results received from the IDA Coordinator.
- IDA NEMO Operator has to send to the Cloud a Preliminary Confirmation file (positive or negative) for the Preliminary Confirmation of the Results.

Once the IDA Coordinator has received all the Preliminary Confirmations of the Results from all the NEMO Systems, it sends out to all PMBs the Global Preliminary Confirmation message and the procedure ends.

This procedure describes the reasons for rejecting the preliminary results. Furthermore, it will set the timing requirements for this process.

1.2. Governed / Regulated by

- All NEMO Intraday Operational Agreement
- Intraday Auctions – Detailed design
- Intraday Auctions Implementation HLC

1.3. Associated procedures

- **In normal situation:**
 - IDA_NEMO_NOR_10_Results sharing and receiving. The previous process must have been successfully completed.
 - IDA_JOINT_NOR_15: Final Confirmation of the Results. When IDA_NEMO_NOR_12 is successfully completed, the PMB automatically continues to the next step: Final Confirmation of the Results.

- **In backup situation:**

As soon as an event happens that prevents the normal performance of a process, the IDA NEMO Operators refer to IDA_NEMO_BUP_12.

2. Procedure

2.1. Preconditions to start

The precondition to start this process is the end of procedure •IDA_NEMO_NOR_10_Results sharing and receiving, in which all the calculations (the IDA Coordinator's one and the shadow one) have ended:

- The Results of the IDA Coordinator are distributed to all the PMBs in the Cloud;
- The Results from each PMB running a Shadow Calculation are distributed to all the Local NEMO IT systems.

No timing requirement is needed to start this procedure: it starts as soon as the previous procedure ends.

2.2. General overview

Steps	Description: Preliminary Confirmation of the Results in PMB dashboard	Start Time	Target Time	Message ID	From	To	C	BC	NC
1	IDA NEMO operators run their internal results validation process.	ASAP after the Results sharing	-		NEMO IT systems				
2	Local PMB receives the Preliminary Confirmation from its local NEMO IT systems.	-	-	MP10	NEMO IT systems	Local PMB			
3	Local PMB sends the Preliminary Confirmation to the Cloud.	-	-	MP20	Local PMB	Cloud			
4	All IDA NEMO Operators wait for the Preliminary Confirmations of all PMBs.	-	-						
5	The IDA Coordinator checks the outcome of all the Preliminary Confirmations received. The outcome can be either positive (in case Results are accepted) or negative (in case Results are rejected).	-	OBK GCT + 14,5						
6	The IDA Coordinator sends the Global Preliminary Confirmation file to the Cloud, including the publishing time for the Preliminary Results (if the outcome is positive).	-	OBK GCT + 14,5	MP30	IDA Coordinator PMB	Cloud			
7	Local PMB distributes the Global Preliminary Confirmation to its Local NEMO IT system.	-	OBK GCT + 14,5	MP40	Local PMB	NEMO IT systems			
8	Operational NEMOs may publish the Preliminary Results.	Time set in MP40	OBK GCT + 14,5			NEMO IT systems			

	IDA NEMO Operator interaction
	Without IDA NEMO Operator interaction
	This role cannot execute it
Opt	Optional for each IDA Non Coordinator (Operator)
C	IDA Coordinator
BC	IDA Backup Coordinator
NC	IDA Non Coordinator (Operator)

2.3. Process clarification

All of the following steps are mandatory for all PMBs.

1. When each NEMO System has received the Results file from its Local PMB, each Operational NEMO can perform any check considered as necessary on the Results.
2. When the internal checks are finished, the Local NEMO IT system sends to the PMB the Preliminary Confirmation file through the [REDACTED] message. If the file cannot be sent in automatic mode, the procedure IDA_NEMO_BUP_12 will be followed.

If the checks give a positive outcome, the IDA NEMO Operator sends a positive Preliminary Confirmation to the Local PMB.

If the checks give a negative outcome, the IDA NEMO Operator sends a negative Preliminary Confirmation indicating one of the reasons of rejection mentioned in the IDA_NEMO_BUP_12 procedure (Case 7).

The file is saved in the PMB. The reception in each PMB is indicated in the *Received Preliminary confirmation* detail page. The received status is set to "[REDACTED]" and the confirmed status is set to "yes".

If the confirmation is negative, the confirmed status is set to "no" and the IDA_NEMO_BUP_12 procedure has to be followed.

The notification screen shows the message "*New Preliminary results confirmation has been received*".

3. After the reception of the Preliminary Confirmation from its own NEMO system to the Local PMB, the Preliminary Confirmation file is distributed from the Local PMB to the Cloud through the message [REDACTED]. A message is sent to every PMB in the Cloud. The outcome of the sending of the Preliminary Confirmation is shown in the *Sent Preliminary Confirmations* detail in the right part of the PMB screen. The status is set to "[REDACTED]". The delivery of this message to the IDA Coordinator should be done within the corresponding PMB Target Time.

If the file cannot be distributed to the Cloud in automatic mode, the file should be sent by email to the IDA Coordinator, according to procedure IDA_NEMO_BUP_12.

4. All the PMBs wait for the reception of the Preliminary Confirmation from all other Virtual Brokers in the Cloud within 3,5 minutes from the Start Time after receiving the Preliminary Results. All the Preliminary Confirmation files should be delivered within the corresponding PMB Target Time.

If at least one Preliminary Confirmation file is not received from one Virtual Broker at Target Time all IDA NEMO Operators will refer to procedure IDA_NEMO_BUP_12.

The IDA Coordinator will trigger an IC according to procedure IDA_JOINT_FAL_01 in order to investigate on the reason of delay in the Preliminary Confirmation process.

5. The IDA Coordinator checks if all Preliminary Confirmations have been received and, in normal process, it will receive only positive Preliminary Confirmations from all the Operational NEMOs.

6. The IDA Coordinator creates and distributes the Global Preliminary Confirmation to the Cloud through the message [REDACTED]. A message is sent to every Virtual Broker in the Cloud.

The outcome of the sending of the Global Preliminary Confirmation is shown in the *Sent Preliminary Confirmation* detail (Global Preliminary Confirmation line) in the right part of the PMB screen. The status is set to "[REDACTED]".

If the file cannot be distributed to the Cloud in automatic mode, procedure IDA_NEMO_BUP_12 will be followed.

Remark: If the positive Global Preliminary Confirmation is not generated by OBK GCT+14,5 the IDA Coordinator will send the *IDC_JOINT_02* message, according to *SIDC_JOINT_OTH_02*.

7. Each PMB sends the Global Preliminary Confirmation to all its own NEMO IT Systems through the message [REDACTED]

The outcome of the sending of the Global Preliminary Confirmation to the Local NEMO IT system is shown in the *Local Global preliminary confirmation* sharing detail in the right part of the PMB screen. The status is set to "[REDACTED]". The status of the Preliminary Confirmation process will change to "[REDACTED]".

Remarks on the Publication Time of the Preliminary Results:

All Operational NEMOs are allowed to publish the Results as Preliminary Results as soon as the positive Global Preliminary Confirmation file is generated but never before OBK GCT+14,5.

8. As soon as the positive Global Preliminary Confirmation file is generated Results can be sent to CIP. As soon as the positive Global Preliminary Confirmation file is generated and the OBK GCT+14,5 deadline is reached, each **IDA NEMO Operator** is allowed to publish the Results as Preliminary Results, as follows:
- a) **towards Market Participants:** clearing prices and clearing volumes for their own bidding areas;
 - b) **towards validating TSOs:** net position, cross-border flows, clearing prices and clearing volumes for their bidding areas, for their connecting adjacent bidding areas and, where flow-based is implemented, for the corresponding group of bidding areas.

2.4. Conditions reached before starting next process

The final state to start the next process is the fact that all the **IDA NEMO Operators** have confirmed the Results of the IDA Coordinator and every Local NEMO IT system has received the positive Global Preliminary Confirmation file from the IDA Coordinator. In that case, **IDA NEMO Operators** are allowed to publish the Preliminary Results towards the market.

2.5. Operational Manual Reference

See chapter *Preliminary Confirmation of the Results in the Operational Manual* (user guide provided by [REDACTED])

2.6. Risk Cases

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 detailed in the backup procedures.

Table 1 – Risk Cases associated to the normal confirmation of the results

#	Risk Cases	Mitigation procedures
1	NEMO cannot perform the validation of the Results during the Preliminary Confirmation sub-process due to a technical issue.	IDA_NEMO_BUP_12

#	Risk Cases	Mitigation procedures
2	NEMO cannot generate the Preliminary Confirmation file (positive or negative).	IDA_NEMO_BUP_12
3	NEMO cannot send the Preliminary Confirmation to the Local PMB.	IDA_NEMO_BUP_12
4	Local PMB is down	IDA_NEMO_BUP_12
5	Problem in distributing the Preliminary Confirmation to the Cloud.	IDA_NEMO_BUP_12
6	Problem in receiving a Preliminary Confirmation for a Non-Coordinator.	IDA_NEMO_BUP_12
7	One or more NEMOs reject the Results by sending a negative Preliminary Confirmation.	IDA_NEMO_BUP_12
8	Positive Preliminary Confirmation cannot be generated after having sent a previous negative Final Confirmation	IDA_NEMO_BUP_12
9	One or more Preliminary Confirmation files missing in the Coordinator PMB at the PMB Target Time	IDA_NEMO_BUP_12
10	Positive Global Preliminary Confirmation cannot be generated by the PMB	IDA_NEMO_BUP_12
11	Problem in distributing the Global Preliminary Confirmation file from the Coordinator PMB to the Cloud.	IDA_NEMO_BUP_12
12	Problem in receiving the Global Preliminary Confirmation file in all PMBs.	IDA_NEMO_BUP_12