

**Annex 6 to the Fourth Amendment to the Intraday Operations Agreement
(IDOA):**

Adapted Exhibit 7 to the IDOA: Technical readiness

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1 Introduction

The document provides information on all major elements which a Party, LIP or RIP needs to comply with in order to be technically ready to enter the production operation for the SIDC/IDCT and/or SIDC/IDA.

Capitalized terms used in this document have the meaning set forth in Exhibit 1, if not defined otherwise in this document.

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2 Technical readiness for SIDC/IDCT

2.1 Readiness of a Party

2.1.1 Regulatory requirements and approvals

The current framework, in which several and different national laws and regulatory provisions are applicable for both TSOs and NEMOs, makes it impossible to establish a complete pre-defined list of regulatory requirements applicable for each Party.

For that reason, it is the responsibility of each Party, participating actively in the Cooperation, to at least:

- comply with all the regulatory aspects and related laws in the countries in which its activity as NEMO or TSO falling within the scope of the Cooperation is being exercised;
- take all the necessary steps in order to ensure a successful and regulatory compliant SIDC/IDCT Go-Live;
- promote all necessary changes in the respective local Legal Provisions in order to get the regulatory approval for its SIDC/IDCT Go-live; and
- in the situation where the outcome of some consultation or official publication by the related authorities would be needed, the related Party is responsible to make all the necessary steps according to the respective SIDC/IDCT Go-Live plan in order not to jeopardize the SIDC/IDCT Go-Live.

On the other hand, it is the responsibility of each LIP to monitor and keep track of all previous points and list of items that each Party needs in order to ensure that the milestones and deadlines are not jeopardizing the SIDC/IDCT Go-live. In case some unexpected deviations from the SIDC/IDCT Go-Live plan occur, the related LIP should take the necessary actions in due time to mitigate them, and report them to the MCSC (if needed) in case some other major problems could be derived from it.

2.1.2 Contractual requirements and approvals

2.1.2.1 Global arrangements

The contractual framework for using the XBID System obliges the TSOs and the NEMOs to become part of several agreements.

2.1.2.1.1 Contractual obligations for NEMOs

To use the XBID System, the NEMOs have to sign or accede to the following contracts:

1. XBID-MSA

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The XBID-MSA sets forth the main terms and conditions under which the NEMOs assign the provision of the IT services to [REDACTED] as described in more detail in the XBID-DSAs attached to the XBID-MSA and under which [REDACTED] accepts to provide such IT services to the NEMOs, as well as the main terms for the use of the XBID System by the NEMOs.

It concerns amongst others the hosting and maintenance services provided by [REDACTED], the License provide by [REDACTED] for the use of the XBID System, the consultancy services provided by [REDACTED] and the ECP services provided by [REDACTED].

2. ANIDOA

The purpose of the ANIDOA is to, taking into account article 7 of CACM and the MCO Plan, set forth the main terms and conditions of their cooperation in respect of the MCO Function for the SIDC.

3. IDOA

The IDOA sets forth the rights and obligations of the Parties in respect of the implementation of CACM with respect to SIDC that requires the cooperation of the TSOs and NEMOs at European level, including the common operation and further development of the Single Intraday Coupling.

Please note that the post-coupling processes (including rights and obligations of CCPs in that context) are outside the scope of this Agreement and are set forth in Local Arrangements.

[REDACTED]

2.1.2.1.2 Contractual obligations for TSOs

1. TCID

The purpose of the TCID is to set forth the main terms and conditions of the TSO cooperation in the context of the SIDC.

2. IDOA

See description above (article 2.2.1.1, 3).

[REDACTED]

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[Redacted text block]

2.1.2.2 Regional and Local Arrangements

In addition to the global arrangements, there might be a need for the TSOs and NEMOs to close regional and/or local contracts. These arrangements are depending on the local situation of these TSOs and NEMOs. The following are examples of contracts which might be needed depending on the situation:

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

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2.2 Market readiness

Each NEMO is responsible to prepare its own communication package for its market participants but in line with the communication guidelines established between the TSOs and NEMOs (including timings when communication will need to be done), to enable market participants to understand the functionality of the XBID System, as well as the functionality of the LTS, to be trained in this functionality, and to enable market participants to adjust local interfaces to the LTS in a timely manner.

Such information could consist of, for example:

- a list of products that can be traded centrally/ locally, GCT, Delivery Areas for which the XBID System can be used, maximum capacities on each interconnector, when the capacity will be available, minimum/maximum prices (tick sizes of volumes and prices, including decimals), volumes, shared cancelation procedures;
- an agreed list of NEMOs and TSOs that will participate in the SIDC at each Go-Live wave; or
- relevant procedures for normal, backup, rollback and fall-back situations.

The relevant TSOs are responsible to prepare their own communication package for their market participants but in line with the communication guidelines established between the TSOs and NEMOs, including timings when communication will need to be done and especially for market participants using the explicit trading.

2.2.1 Operational team readiness

The operational team readiness of all Parties that want to become Operational Parties shall be demonstrated through a confirmation report on:

- Local Arrangements:
 - Establishment of the local and regional procedures compliant with the central SIDC procedures (Joint SIDC Procedures, TSO only procedures, NEMO only procedures);
 - Successful completion of all trainings and declaration of the relevant knowledge for the local and regional procedures and systems for each member of the operational team as well as experts and decision making staff involved in the standard and/or exceptional situations;
- Joint SIDC Procedures:
 - Successful completion of all trainings and demonstration of the relevant knowledge for the Joint SIDC Procedures and XBID System for each member of the operational team as well as experts and decision making staff involved in the standard and/or exceptional situations through participation in simulation testing; and
 - Extent of the training and declaration of the relevant knowledge may vary depending if the Party is responsible only for its own processes or if the Party provides services to other Parties (IC SPOC (for NEMOs/TSOs only calls as well as for the calls with [REDACTED]), [REDACTED]),

The confirmation report shall contain a formal statement of the Party on operational readiness. It is the responsibility of each Party applying for operation to demonstrate for each LIP an

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operational readiness. The confirmation report shall be included in the LIP end testing report sent to the OPSCOM.

2.2.2 System readiness

System readiness of all local systems being used by the Party applying for operation with interface to the XBID System or which are involved in the data processing as a part of pre -and post coupling processes, including third party systems (CCPs, ...), shall be demonstrated through compliance with the LIP testing:

- All LIP test cases as defined in the approved LIP test list (Individual Tests, Functional Integration Tests, Simulation Integration Test) have been successfully tested, meaning that no critical or major defects are left. Classification of the defects is understood as follows:
 - **Critical** - the item under test is unusable for t [REDACTED]
[REDACTED] End2end testing with the XBID System cannot be executed at all;
 - **Major** - the item under test is unusable for the purpose as specified and the defect affects major functionality or major data. [REDACTED]
[REDACTED] End2end testing with the XBID System can only proceed by using the available workaround;
 - **Moderate** - the item under test does not meet the specifications and the defect affects minor functionality or non-critical data. [REDACTED]
[REDACTED] The defect will not hinder a full end2end test with the XBID System; and
 - **Minor** - all other defects. The defect does not affect functionality or data. It does not need a workaround. It does not impact productivity or efficiency. It is merely an inconvenience;
- Outstanding defects in systems, used by the Parties participating in the LIP, detected and delivery dates for fixing them shall be agreed. XBID System versions resulting from the correction of the detected bugs is possibly subject of the additional individual LIP testing. In such a case, the test report for the additional individual LIP testing may be delivered and approved;
- The LIP end test report shall indicate that the local systems' connectivity to the XBID System and XBID System configuration were successfully tested;
 - All relevant test reports of the respective LIP tests shall be delivered and agreed; and
- Parties participating in the LIP and Operational Parties successfully performed joint testing scenarios as a proof of concept that local/regional assets are ready and that XBID System performance, configuration and associated connectivity were tested in production-like (simulation after LIP go-live) situation.

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Test of the productions connectivity to the XBID System and other validations related to the production environment (certification process) are subject of the launch processes applicable for a respective Go-Live wave.

2.3 Overall assessment

Each Party shall demonstrate, in each relevant LIP, its readiness for each of the respective areas, as depicted in the previous articles. This applies to every Party in the LIP. Each LIP shall report its readiness for each of the respective areas.

It is the task of the designated body, which shall be agreed by MCSC, to organize the delivery of readiness statements from each LIP by providing the LIP with a reporting template to be filled in. The designated body will monitor timely delivery of the reporting by LIPs. Wherever multiple Parties need to use common environments, like the XBID System, to demonstrate their readiness, the designated body will coordinate between the LIPs. The designated body will actively monitor timely readiness of the LIPs, in line with the scheduled Go-Live and LIP project time lines.

The designated body reports on a regular basis towards the MCSC on the overall progress of LIPs concerning their technical readiness to participate in the scheduled Go-Live. In its regular report, the designated body highlights issues which potentially put the scheduled SIDC/IDCT Go-Live at risk. The designated body facilitates elaboration on the mitigation measures for both LIPs and the MCSC to stay on track for the scheduled SIDC/IDCT Go-Live as well as on potential rescheduling of the SIDC/IDCT Go-Live.

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3 Technical readiness for SIDC/IDA

Technical readiness for SIDC/IDA implies compliance with the requirements under section 2 and compliance with the specific requirements under this section 3.

3.1 Readiness of a Party

3.1.1 Regulatory requirements and approvals

The current framework, in which several and different national laws and regulatory provisions are applicable for both TSOs and NEMOs, makes it impossible to establish a complete pre-defined list of regulatory requirements applicable for each Party.

For that reason, it is the responsibility of each Party, participating actively in the Cooperation, to at least:

- comply with all the regulatory aspects and related laws in the countries in which its activity as NEMO or TSO falling within the scope of the Cooperation is being exercised;
- take all the necessary steps in order to ensure a successful and regulatory compliant SIDC/IDA Go-Live;
- promote all necessary changes in the respective local Legal Provisions in order to get the regulatory approval for its SIDC/IDA Go-live; and
- in the situation where the outcome of some consultation or official publication by the related authorities would be needed, the related Party is responsible to make all the necessary steps according to the respective SIDC/IDA Go-Live plan in order not to jeopardize the SIDC/IDA Go-Live.

On the other hand, it is the responsibility of each SIDC/IDA RIP to monitor and keep track of all previous points and list of items that each Party needs in order to ensure that the milestones and deadlines are not jeopardizing the SIDC/IDA Go-live. In case some unexpected deviations from the SIDC/IDA Go-Live plan occur, the related SIDC/IDA RIP should take the necessary actions in due time to mitigate them, and report them to the MCSC (if needed) in case some other major problems could be derived from it.

3.1.2 Contractual requirements and approvals

3.1.2.1 Global arrangements

The contractual framework for using directly or indirectly the XBID System, IDA CIP Tool, PMB, EUPHEMIA obliges the TSOs and the NEMOs to become part of several agreements.

3.1.2.1.1 Contractual obligations for NEMOs

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To participate in SIDC/IDA the NEMOs have to sign or accede to the contracts set forth in Exhibit 7 Sec. 2.1.2.1.1 to IDOA and in addition to all contracts required by ANIDOA to be able to participate in SIDC/IDA.

3.1.2.1.2 Contractual obligations for TSOs

To participate in SIDC/IDA the TSOs have to sign or accede to the contracts set forth in Exhibit 7 Sec. 2.1.2.1.2 to IDOA.

3.1.2.2 Regional and Local Arrangements

In addition to the global arrangements, there might be a need for the TSOs and NEMOs to close regional and/or local contracts. These arrangements are depending on the local situation of these TSOs and NEMOs. The following are examples of contracts which might be needed depending on the situation:

[Redacted content]

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3.1.3 Market readiness

Each NEMO is responsible to prepare its own communication package for its market participants but in line with the communication guidelines established between the TSOs and NEMOs (including timings when communication will need to be done), to enable market participants to understand the SIDC/IDA process, as well as the functionality of the LTS, to be trained in this functionality, and to enable market participants to adjust local interfaces to the LTS in a timely manner.

Such information could consist of, for example:

- a list of products that can be traded centrally/locally, IDA Gate Closure Time (GCT), Delivery Areas for which SIDC/IDA is applied, when the capacity will be available, minimum/maximum prices (tick sizes of volumes and prices, including decimals), volumes,;
- an agreed list of NEMOs and TSOs that will participate in the SIDC/IDA in the Initial SIDC/IDA Go-Live (or, if relevant, at each SIDC/IDA Go-Live wave); or
- relevant procedures for normal, backup, rollback and fall-back situations.

The relevant TSOs are responsible to prepare their own communication package for their market participants but in line with the communication guidelines established between the TSOs and NEMOs, including timings when communication will need to be done.

3.1.4 Operational team readiness

The operational team readiness of all Parties that want to become Operational Parties shall be demonstrated through a confirmation report on:

- Local Arrangements:
 - Establishment of the local and regional procedures compliant with the central SIDC procedures (Joint SIDC Procedures, TSO only procedures, NEMO only procedures);
 - Successful completion of all trainings and declaration of the relevant knowledge for the local and regional procedures and systems for each member of the operational team as well as experts and decision-making staff involved in the standard and/or exceptional situations;
- Joint SIDC Procedures:
 - Successful completion of all trainings and demonstration of the relevant knowledge for the Joint SIDC Procedures and systems for each member of the operational team as well as experts and decision-making staff involved in the standard and/or exceptional situations through participation in simulation testing; and

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- Extent of the training and declaration of the relevant knowledge may vary depending if the Party is responsible only for its own processes or if the Party provides services to other Parties (IDA Coordinator, IC SPOC (for NEMOs/TSOs only calls as well as for the calls with [REDACTED]).

The confirmation report shall contain a formal statement of the Party on operational readiness. It is the responsibility of each Party applying for operation to demonstrate for each SIDC/IDA RIP an operational readiness. The confirmation report shall be included in the SIDC/IDA RIP end testing report sent to the OPSCOM.

3.1.5 System readiness

System readiness of all local systems being used by the Party applying for operation with interface to the XBID System, IDA CIP Tool, PMB, EUPHEMIA or which are involved in the data processing as a part of pre -and post coupling processes, including third party systems (CCPs, ...), shall be demonstrated through compliance with the SIDC/IDA RIP testing:

- All SIDC/IDA RIP test cases as defined in the approved SIDC/IDA RIP test list (Individual Tests, Functional Integration Tests, Simulation Integration Test etc.) have been successfully tested, meaning that no critical or major defects are left. Classification of the defects is understood as follows:
 - **Critical** - the item under test is unusable for the [REDACTED] [REDACTED] End2end testing for SIDC/IDA cannot be executed at all;
 - **Major** - the item under test is unusable for the purpose as specified and the defect affects major functionality or major data. [REDACTED] [REDACTED] End2end testing for SIDC/IDA can only proceed by using the available workaround;
 - **Moderate** - the item under test does not meet the specifications and the defect affects minor functionality or non-critical data. [REDACTED] [REDACTED] The defect will not hinder a full end2end test for SIDC/IDA; and
 - **Minor** - all other defects. The defect does not affect functionality or data. It does not need a workaround. It does not impact productivity or efficiency. It is merely an inconvenience;
- Outstanding defects in systems, used by the Parties participating in the SIDC/IDA RIP, detected and delivery dates for fixing them shall be agreed.
- The SIDC/IDA RIP end test report shall indicate that the local systems' integration with central/regional systems and their configurations were successfully tested;
 - All relevant test reports of the respective SIDC/IDA RIP tests shall be delivered and agreed; and
- Parties participating in the SIDC/IDA RIP successfully performed joint testing scenarios as a proof of concept that local/regional assets are ready and that XBID System, IDA CIP

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Tool, PMB, EUPEHMIA performance, configuration and associated connectivity were tested in production-like (simulation after SIDC/IDA RIP go-live) situation.

Test of the productions connectivity to the XBID System, IDA CIP Tool, PMB, EUPEHMIA and other validations related to the production environment (certification process) are subject of the launch processes applicable for a respective SIDC/IDA Go-Live wave.

3.2 Overall assessment

Each Party shall demonstrate, in each relevant SIDC/IDA RIP, its readiness for each of the respective areas, as depicted in the previous articles. This applies to every Party in the SIDC/IDA RIP. Each SIDC/IDA RIP shall report its readiness for each of the respective areas.

It is the task of the designated body (██████████), to organize the delivery of readiness statements from each SIDC/IDA RIP by providing the SIDC/IDA RIP with a reporting template to be filled in. The designated body will monitor timely delivery of the reporting by SIDC/IDA RIPs. Wherever multiple Parties need to use common environments, like the XBID System, to demonstrate their readiness, the designated body will coordinate between the SIDC/IDA RIPs. The designated body will actively monitor timely readiness of the SIDC/IDA RIPs, in line with the scheduled SIDC/IDA Go-Live and SIDC/IDA RIP project timelines.

The designated body reports on a regular basis towards the MCSC on the overall progress of SIDC/IDA RIPs concerning their technical readiness to participate in the scheduled SIDC/IDA Go-Live. In its regular report, the designated body highlights issues which potentially put the scheduled SIDC/IDA Go-Live at risk. The designated body facilitates elaboration on the mitigation measures for both SIDC/IDA RIPs and the MCSC to stay on track for the scheduled SIDC/IDA Go-Live as well as on potential rescheduling of the SIDC/IDA Go-Live.