

## MEETING MINUTES

SUPPORTING INFORMATION FOR INTERESTED PARTIES READING THE IDSC MEETING MINUTES TO BE FOUND IN ANNEX 1

MEETING DETAILS			
Project Name	SIDC – Single Intraday Market		
Governance Body	Steering Committee		
Meeting Date	30 September 2021 11:00–16:30	Meeting Location	Teleconference

### SIDC PARTIES

AFFÄRSVERKET SVENSKA KRAFTNÄT  
 AMPRION GmbH  
 AUSTRIAN POWER GRID AG  
 AS “Augstsprieguma tīkls”  
 ČEPS, a.s  
 CREOS Luxembourg S.A.  
 Croatian Transmission System Operator Ltd.  
 EirGrid plc  
 ELECTRICITY SYSTEM OPERATOR EAD  
 ELERING AS  
 ELIA SYSTEM OPERATOR SA/NV  
 ELES, Ltd., Electricity Transmission System Operator  
 Energinet Elsystemansvar A/S  
 FINGRID OYJ  
 Independent Power Transmission Operator S.A.  
 LITGRID AB  
 MAVIR Hungarian Independent Transmission Operator Company Ltd.  
 National Power Grid Company Transelectrica S.A.  
 Polskie Sieci Elektroenergetyczne S.A.  
 Red Eléctrica de España, S.A.U.  
 REN – Rede Eléctrica Nacional, S.A.  
 RTE Réseau de Transport d’Electricité  
 Slovenská elektrizačná prenosová sústava, a.s.

SONI Limited  
 STATNETT SF  
 TENNET TSO B.V.  
 TENNET TSO GmbH  
 Terna - Rete Elettrica Nazionale S.p.A.  
 TRANSNET BW GmbH  
 50Hertz Transmission GmbH  
 BSP Energy Exchange LL C  
 CROATIAN POWER EXCHANGE Ltd.  
 EirGrid plc  
 EPEX Spot SE  
 European Market Coupling Operator AS  
 Gestore dei Mercati Energetici S.p.A.  
 HELLENIC ENERGY EXCHANGE S.A.  
 HUPX Hungarian Power Exchange Company Limited by Shares  
 Independent Bulgarian Energy Exchange  
 OKTE, a.s.  
 OMI-Polo Español, S. A  
 Operatorul Pietei de Energie Electrica si de Gaze Naturale “OPCOM” S.A.  
 OTE, a.s  
 Towarowa Giełda Energii S.A.

### 3<sup>RD</sup> PARTIES:

ACER  
 ENTSO-E  
 Ernst & Young, s.r.o  
 BEA  
 ARIGA  
 Indra  
 E-Bridge  
 Artelys

### OBSERVERS

EMS  
 SEEPEX

**AGENDA**

Agenda Topic	Time
1) Welcome	11:00–11:15
2) Approve minutes and review actions	11:15–11:30
3) Integrated Plan	11:30–11:40
4) QARM	11:40–12:20
5) MSD	12:20–13:00
Lunch Break - 13:00–14:00	
6) BMSG	14:00–14:20
7) OPSCOM report	14:20–14:40
8) Joint Governance Update	14:40–15:00
9) NEMOs report and TSOs	15:00–15:20
10) COM SG Report	15:20–15:25
11) AoBs	15:25–15:50
12) Contract Strategy	15:50–16:15

**1. Welcome**

The IDSC Co-chairs opened the meeting by welcoming the SIDC members on the teleconference.

**2. Approve minutes and review actions****a) Approve minutes**

The minutes from the IDSC held on 26 August 2021 were approved. The version to be published will be provided to IDSC after the meeting for approval.

**b) Review status open and due actions**

The action point list was reviewed and the current status was shared with the IDSC. The open action points are addressed during the meeting, others are in progress.

**3. Integrated Plan**

The SIDC Conveners presented the integrated plan. The development work on IDAs and CPM is going according to the plan. The performance testing results are being analysed. The IDA workshop with IT Provider took place and enabled to clarify a number of open questions. The workshop with the NRAs on the transit shipping is in preparation. First presentation shall be part of the PCG meeting on 5. 10. 2021. The 3<sup>rd</sup> wave go-live integrating Italy into SIDC was successful on 21.09.2021; no operational issues occurred.

**4. QARM**

QARM Convener presented the status of work in QARM. He concentrated on the recent work on the upcoming releases whose conclusions are included in the SIDC Roadmap. The roadmap was approved by the IDSC

**5. MSD**

The MSD convener indicated that the IDA detailed design was finalized. The workshop with the IT provider took place and further analysis is in progress. Furthermore the IDSC approved the IDA implementation approach.

Concerning Cross Product Matching the analysis of several aspects is ongoing and is expected to be finalized in the coming weeks.

**6. BMSG**

The BMSG Convener presented the current status of budget 2022 preparations. The budget is in principle finalized. The NEMOs and TSOs provided proposals for the level of IT expenditures for ICT and IDA development, which are to be further discussed at the next IDSC meeting. The IDSC also approved the operational Cost Sharing Keys to be used from Q4 2021 (after 3<sup>rd</sup> wave went live).

## **7. OPSCOM**

The OPSCOM Convener presented the details of the SIDC operation for the last month; the stakeholders reports for July and August were approved by the IDSC.

## **8. Joint Governance**

IDSC approved the updated IDOA. The contract was adjusted to reflect the joint SDAC – SIDC governance principles.

## **9. NEMOs and TSOs Report**

NEMOs provided preliminary results of the ongoing analysis on performance. Furthermore the possible approach for providing a simulation environment to the NRAs was discussed. The appointments of the next OPSCOM Conveners were approved by the IDSC

## **10. COM SG Report**

COM SG informed on the recent work of the COM SG group – press release preparation; MESC and PCG preparation.

## **11. AoBs**

IDSC discussed if the meeting in November shall be held as physical meeting or teleconference. The opinion of the members will be collected and conclusion will be presented at the next IDSC meeting.

Last update: 09/12/2021

**ANNEX 1**  
**Single Intraday Coupling (SIDC)**  
**Intraday Steering Committee (IDSC)**  
***Supporting Information for Interested Parties reading the***  
***IDSC Meeting Minutes***

**1. What is the Intraday Steering Committee (IDSC)?**

The IDSC is the main governance group that oversees the Single Intraday Coupling. It consists of 45 parties (NEMOs and TSOs) who are responsible for overseeing the operation, further expansion and development of SIDC.

**2. What is the Single Intraday Coupling (SIDC)?**

The aim of SIDC, formerly known as the XBID, Cross Border Intraday project, is to create a single pan European cross zonal intraday electricity market. An integrated intraday market will increase the overall efficiency of intraday trading by promoting effective competition, increasing liquidity and enable a more efficient utilisation of the generation resources across Europe.

With the increasing amount of renewable intermittent production, interest in trading in the intraday markets is increasing as it can become more and more challenging for market participants to be in balance after the closing of the Day-Ahead market. Being balanced on the network closer to delivery time is beneficial for market participants and for the power systems alike by, among others reducing the need of reserves and associated costs. In addition, the intraday market is an essential tool that allows market participants to take unexpected changes in consumption and outages into account.

SIDC is a cooperation between the Nominated Electricity Market Operators (NEMOs) and Transmission System Operators (TSOs) which enables continuous cross-border trading across Europe.

The SIDC Solution was first launched on 12<sup>th</sup>/13<sup>th</sup> June 2018 across 15 countries. In the first 14 months of operation over 20 million trades have been completed.

It is based on a common IT system with one Shared Order Book (SOB), a Capacity Management Module (CMM) and a Shipping Module (SM). This means that orders entered by market participants for continuous matching in one country can be matched by orders similarly submitted by market participants in any other country within the project's reach if transmission capacity is available.

The intraday solution supports both explicit (where requested by NRAs) and implicit continuous trading and is in line with the EU Target model for an integrated intraday market.

**3. Why is the intraday market so important to integrate European markets?**

There are three different physical markets for trading electricity; Forward Market, Day- Ahead Market and Intraday market before delivery hour.



An integrated intraday market will promote effective competition and pricing, increase liquidity and enable a more efficient utilisation of the generation

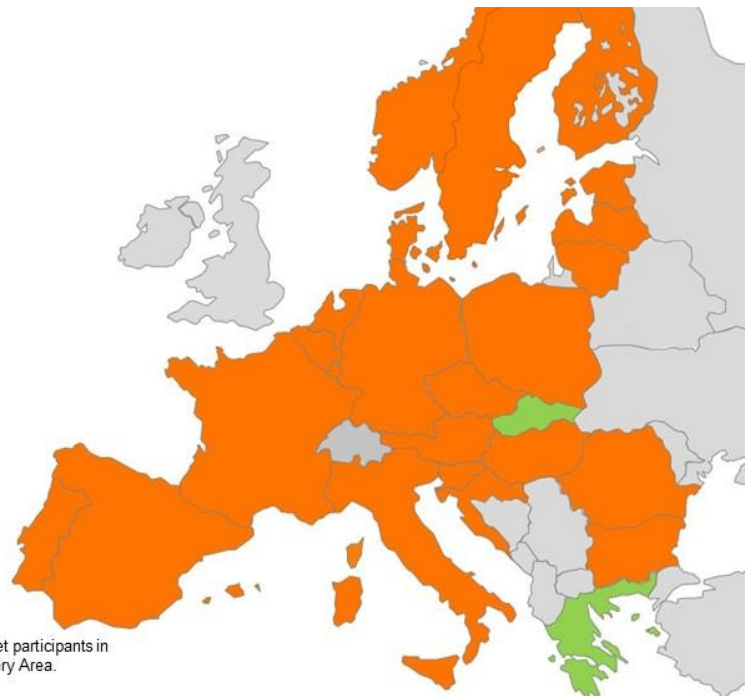
resources across Europe. With the increasing amount of intermittent production, it becomes more and more challenging for market participants to be in balance after the closing of the Day-Ahead market. Therefore, interest in trading in the intraday markets is increasing. Being balanced on the network closer from delivery time is beneficial for market participants and for the power systems alike by, among others reducing the need of reserves and associated costs.

**4. What is the geographical scope of the initiative?**

The first go-live in June 2018 included 15 countries: Austria, Belgium, Denmark, Estonia, Finland, France, Germany, Latvia, Lithuania, Luxembourg, Norway, The Netherlands, Portugal, Spain and Sweden. A second go-live with additional 7 countries – Bulgaria, Croatia, Czech Republic, Hungary, Poland, Romania and Slovenia - was realised in November 2019. A third go-live integrating Italy into the coupled region went live on 21<sup>st</sup> September 2021. Integration of Greece and Slovakia is planned for the end of 2021 (shown in green).

**Countries coupled Intraday with 4<sup>th</sup> SIDC Go-Live**

-  Countries coupled in 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> go-live
-  Countries to be coupled in 4<sup>th</sup> go-live (end 2022)



Note: Luxembourg is part of the Amprion Delivery Area. Market participants in Luxembourg have access to SIDC through the Amprion Delivery Area.

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**5. Who are the partners involved?**

The parties involved are:

Transmission System Operators (TSOs):

50HERTZ, ADMIE, AMPRION, APG, AST, ČEPS, CREOS, EirGrid, ELERING, ELES, ELIA, Energinet, ESO, FINGRID, HOPS, Litgrid, MAVIR, PSE, REE, REN, RTE, SEPS, SONI, STATNETT, SVENSKA KRAFTNÄT, TenneT DE, TenneT NL, TERNA, TRANSELECTRICA and TransnetBW.

Nominated Electricity Market Operators (NEMOs):

BSP, CROPEX, EirGrid, EPEX, GME, HEnEx, HUPX, IBEX, Nord Pool, OKTE, OMIE, OPCOM, OTE, SONI and TGE.

Please note integration of Swiss borders is not going to be possible due to the intergovernmental agreement on electricity cooperation not having been reached by end of 2016 [CACM Article 1 (4) & (5)]. In consequence, Swissgrid left the project in January 2017.

**6. What is the relation between the SIDC project and the network codes/guidelines?**

The SIDC initiative is a multiparty project working on the implementation of the SIDC Model being a continuous intraday market, based on a single capacity management module and a shared order book within a one-to-one relationship. The Guideline on Capacity Allocation and Congestion Management (CACM GL) endorses this SIDC Model. The CACM GL sets out, amongst others, the methods for allocating capacity in intraday timescales, rules for operating intraday markets and the basis for the implementation of a single electricity market across Europe.

SIDC is in line with the provisions of the CACM GL and the parties in the project fulfil the future requirements of CACM through their involvement.

**7. Who is the system provider of the SIDC Solution?**

The system provider is Deutsche Börse AG (DBAG).

**8. What does this system do?**

The orders submitted by the market participants of each NEMO are centralised in one shared order book (SOB). Similarly, all the intraday cross-border capacities are made available by the TSOs in the Capacity Management Module (CMM).

Order books displayed to the market participants via the usual NEMOs' trading systems contain orders coming from other participants of the concerned NEMO and also orders coming from other NEMOs for cross-border matching, provided there is enough capacity available.

Orders submitted for different market areas can be matched provided there is enough capacity available. In such a case, the order matching is associated with implicit capacity allocation. Concretely, when two orders are being matched the SOB and CMM is updated immediately. Trade is done on a first-come first-served principle where the highest buy price and the lowest sell price get served first. The update of SOB means that the orders that were matched are removed, and consequently that the available transmission capacity in the CMM is updated. For how many borders the capacities are updated depends on where the matched orders were located geographically.

For borders where NRAs requested for it, explicit allocation is made available to Explicit Participants (currently at the FR-DE and the SI-HR border).

During the trading period, available capacities and order books are simultaneously updated on a continuous basis.

The Shipping Module (SM) of the SIDC Solution provides information from trades concluded within SIDC to all relevant parties of the post-coupling process. The SM receives data from the SOB about all trades concluded:

- Between two different Delivery Areas
- In the same Delivery Area between two different Exchanges

The data from the SOB and the CMM are enhanced with relevant TSO, Central Counter Party (CCP) and Shipping Agent data from the SM and transferred to the parties at the configured moments.

### 9. How is the 24/7 availability of the system guaranteed?

Both CMM and SOB have a primary and a back-up system that are separated physically to guarantee highest availability of the system. Trading at local intraday platforms and the explicit access to the CMM is not affected by a down-time of the SOB.

### 10. How does the SIDC project communicate with stakeholders?

User Group meetings have been held approximately every 5-6 months, particularly prior to the 1<sup>st</sup> Go-Live. Attendees were a representative group of market participants. The purpose of the User Group has been to facilitate the interaction between the SIDC project and market participants with the aim of explaining the status of the SIDC project and building knowledge/confidence in the proposed solution. It has also provided stakeholders with the opportunity to provide feedback on key aspects of the project.

The User Group meeting slides and minutes have been published at a dedicated SIDC (or XBID) project section on the web pages of the involved NEMOs.

Regular SIDC project updates are also provided to:

- Regulators (NRAs), ACER and the European Commission through the Pentalateral Coordination Group meetings
- Market European Stakeholder Committee (MESOC) at each scheduled meeting

SIDC (XBID) launch events were held before the 1<sup>st</sup> as well as before the 2<sup>nd</sup> Wave go-live. The meeting slides were published at a dedicated SIDC (XBID) project section on the web pages of the involved NEMOs. A further launch event for the 3<sup>rd</sup> Wave Go-Live was scheduled on the 29<sup>th</sup> April 2021 and took place as an online meeting.

Going forward, the Market European Stakeholder Committee (MESOC) will serve as the primary interface between SIDC and the market parties.

### 11. What is the gain for market participants?

The solution is expected to increase the liquidity of the newly coupled intraday continuous markets, since orders submitted for the purpose will be potentially matched with orders submitted in any other participating country. In other words, orders that could not be matched in local markets increase their probability of being matched in the larger integrated market. In addition, the solution facilitates the operational tasks of intraday cross-border scheduling, since the capacity allocation and energy matching processes is done simultaneously. As a consequence, market efficiency is also expected to increase, to the benefit of the market participant.

### 12. How will this impact/how does this benefit the end consumers?

The direct benefit for the end consumer is expected to be positive, and the end consumers will benefit from this initiative increasing the overall wholesale market efficiency and facilitate the integration of the RES in the market. More concretely market participants having larger possibilities to be balanced before the hour of delivery will contribute to reduce the costs of reserves.

### 13. How does the SIDC project interlink with the PCR Day-Ahead project?

There is no direct interlink between these two projects other than the participating TSOs and NEMOs are mostly the same. However, both projects share the same purpose of implementing the European target models for electricity. Co-ordination is taking place between the senior leaders and project management teams of the two projects. In the future, in line with CACM requirements, it is expected that the governance for the ID and DA projects will progressively merge.

**14. What are the Local Implementation Projects (LIPs)?**

To implement the SIDC solution Local Implementation Projects (LIPs) were set up. Over 15 LIPs have been established so far. A LIP consists of one or more borders, one or more TSOs and one or more NEMOs. The LIPs main tasks are adaptation of local arrangements (i.e. procedures, shipping, contracts), IT system adjustments, secure equal treatment between NEMOs and implicit/explicit access and ensuring readiness for the participation in the SIDC LIP testing.

The LIPs are monitored via the SIDC Steering Committee where individual LIP’s progress is reported. Further each LIP has set up a formal governance structure within the LIP (i.e. project manager, Steering Committee, etc.).

**15. What are the responsibilities of the different groups mentioned in the IDSC minutes?**

Title	Responsibility
IDSC – Intraday Steering Committee	The IDSC is the highest level of governance in SIDC and tracks project status, risks, issues etc. as well as making strategic decisions and managing escalations within the project.
OPSCOM and ICC – Incident Committee	OPSCOM is the governance body responsible for the ongoing operation of SIDC solution. It reviews operational performance and incidents. The ICC was established to ensure that there is the ability to hold Incident Calls in the event of SIDC (XBID) system incidents.
ICT – Integrated Co-ordination Team	The ICT is responsible for ensuring all streams of activity in the project are co-ordinated by means of an Integrated Plan. All Project Managers, PMOs and TF/SG leads attend and update progress against the project plan including identifying dependencies/risks/mitigations etc. Issues are escalated to the Co-Chairs of the IDSC.
BM SG – Budget Management Support Group	The BM SG is responsible for the financial management of the project. This includes budgeting, cost validation, financial reporting, and the cost resettlement processes in accordance with CACM, NRA cost reporting etc.
COM SG – Communications Support Group	The COM SG is responsible for stakeholder management. This includes developing material for meetings with the European Commission, NRAs, MESC etc. It is also responsible for drafting press releases. COM SG is also responsible for larger events such as Pre- Go-Live Launch Events.
OTF – Operational Task Force	The OTF is responsible for the description of Roles & Responsibilities, Operational procedures, and maintenance and testing of procedures.
SG Losses – Sub Group Losses	The SG Losses focuses on designing the concept for Losses on DC Interconnectors and specifying the requirements. Also for undertaking functional specification reviews etc. It is also responsible for aspects of the concept such as single sided trades.



MSD – Market & System Design	The MSD is responsible for functional and technical aspects related to the software and infrastructure solution of XBID. This includes ensuring that IT requirements are specified for the DBAG solution and the review of functional specifications. It is also the joint body where technical decisions are made.
LIP – Local Implementation Project	A LIP is a project which manages a border/interconnector or group of borders/interconnectors to enable them to ,go-live‘ on the SIDC solution. A LIP will manage a plan covering local system adaptations, contractual changes, regulatory approvals and testing. There have been/are over 15 different LIPs (past and present).
LIP Testing – Local Implementation Project Testing and Co-ordination (also known as LTC).	The co-ordination of testing across the LIPs is essential. The LTC co-ordinates preparation and execution of testing such as Connectivity, Functional Integration (FIT) and Simulation Integration (SIT) with a focus on local systems integration with XBID and the support of End-to-End tests executed together with XTG etc. Reporting on progress is made to the IDSC. The role has been in place for the 1 <sup>st</sup> and 2 <sup>nd</sup> wave go-lives.
L TF – Legal Task Force	The L TF is responsible for the legal aspects of SIDC including drafting/review of legal agreements associated with the project. This includes contractual aspects relating to contracts with service providers and importantly, the Intraday Operational Agreement (IDOA).
XTG – SIDC (XBID) Testing Group	The XTG is responsible for testing the SIDC (XBID) solution. It manages this testing across NEMOs and TSOs for all of the modules (CMM, SM, SOB). The XTG assesses, plans and delivers the testing for each testing phase (e.g. User Acceptance Testing, UAT). The XTG interfaces with DBAG and ensures, for example, that the contractually agreed exit criteria are met for each testing phase. The XTG also have an important interface with the LTC.
GLC – Go-Live Co-ordinator	The GLC plays a critical role in ensuring that all parties are prepared for go-live (geographical extensions). This involves defining the Go-live strategy and approach as well as identifying the activities that needed to be completed for a successful go-live. As an example, the GLC tracked the completion of over 700 items for the 1st Go-Live.

**16. And what do all the acronyms mean?**

Abrv.	Terms
<b>AOB</b>	Any Other Business
<b>AP</b>	Action Point
<b>ASR</b>	Additional Service Request
<b>BBP</b>	Business Blueprint
<b>CC</b>	Conference Call
<b>CET</b>	Central European Time
<b>CR</b>	Change Request
<b>DST</b>	Daylight Savings Time
<b>EoB</b>	End of Business

<b>EoD</b>	End of Day
<b>EoY</b>	End of Year
<b>EU</b>	European Union
<b>FS</b>	Functional Specification
<b>FTF</b>	Functional Task Force
<b>HL</b>	High Level
<b>ID SC</b>	Intraday Steering Committee
<b>IMT</b>	Incident Management Tool
<b>INC</b>	Interim NEMO Committee
<b>JSC</b>	Joint Steering Committee
<b>LIP</b>	Local Implementation Project
<b>MSD</b>	Market & System Design
<b>NEMO</b>	Nominated Electricity Market Operator
<b>OBK</b>	Orderbook
<b>PM</b>	Project Manager
<b>PMI</b>	Public Message Interface
<b>PMO</b>	Project Management Office
<b>PP</b>	Project Place
<b>PTF</b>	Performance Task Force
<b>QARM / QA&amp;RM</b>	Quality Assurance and Release Management
<b>R#.#</b>	Release number #.#
<b>RCB</b>	Release Control Board
<b>RTS</b>	Realistic Test Scenario
<b>SC</b>	Steering Committee
<b>SLA</b>	Service Level Agreement
<b>SPOC</b>	Single Point of Contract
<b>TBD</b>	To Be Defined
<b>TSO</b>	Transmission System Operator
<b>TWG</b>	Technical Working Group
<b>WS</b>	Workshop
<b>WG</b>	Working Group
<b>XTG</b>	XBID Testing Group