

## 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	11 May 2021 10:45–16:15	Meeting Location	Teleconference

### SIDC PARTIES

AFFÄRSVERKET SVENSKA KRAFTNÄT	Slovenská elektrizačná prenosová sústava, a.s.
AMPRION GmbH	SONI Limited
AUSTRIAN POWER GRID AG	STATNETT SF
AS “Augstsprieguma tīkls”	TENNET TSO B.V.
ČEPS, a.s	TENNET TSO GmbH
CREOS Luxembourg S.A.	Terna - Rete Elettrica Nazionale S.p.A.
Croatian Transmission System Operator Ltd.	TRANSNET BW GmbH
EirGrid plc	50Hertz Transmission GmbH
ELECTRICITY SYSTEM OPERATOR EAD	BSP Energy Exchange LL C
ELERING AS	CROATIAN POWER EXCHANGE Ltd.
ELIA SYSTEM OPERATOR SA/NV	EirGrid plc
ELES, Ltd., Electricity Transmission System Operator	EPEX Spot SE
Energinet Elsystemansvar A/S	European Market Coupling Operator AS
FINGRID OYJ	Gestore dei Mercati Energetici S.p.A.
Independent Power Transmission Operator S.A.	HELLENIC ENERGY EXCHANGE S.A.
LITGRID AB	HUPX Hungarian Power Exchange Company Limited by Shares
MAVIR Hungarian Independent Transmission Operator Company Ltd.	Independent Bulgarian Energy Exchange
National Power Grid Company Transelectrica S.A.	OKTE, a.s.
Polskie Sieci Elektroenergetyczne S.A.	OMI-Polo Español, S. A
Red Eléctrica de España, S.A.U.	Operatorul Pietei de Energie Electrica si de Gaze Naturale “OPCOM” S.A.
REN – Rede Eléctrica Nacional, S.A.	OTE, a.s
RTE Réseau de Transport d’Electricité	Towarowa Giełda Energii S.A.

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

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

**AGENDA**

Agenda Topic	Time
1) Welcome	10:45–10:55
2) Approve minutes and review actions	10:55–11:15
3) Integrated Plan	11:15–11:25
4) IDA - Compromise on the option for detailed analysis	11:20–12:05
5) NEMOs report and TSOs	12:05–12:25
6) OPSCOM report	12:25–12:45
Lunch Break – 12:45–13:45	
7) MSD	13:45–14:15
8) QARM	14:15–15:00
9) LTF - merge of SIDC and SDAC LTF merge	15:00–15:15
10) COM SG Report	15:15–15:20
11) AoBs	15:20–15:30

**1. Welcome**

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

**2. Approve minutes and review actions**

The minutes from the IDSC held on 14 April 2021 were approved. The version to be published will be provided to IDSC after the meeting for approval.

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

**3. Integrated Plan**

The QARM convener presented the current status of planning. He informed that the deployment of the R3.1. was performed successfully. Further developments are being planned however their design is still being finalized; this there is no final agreement on the scoping yet and no clear planning steps are depicted.

He further informed that the NRAs requested additional analysis concerning the transit shipping. The request will be tackled within the transit shipping subgroup.

The discussion concerning the IDA options selections are ongoing and shall be continued during the meeting. The 3rd wave go-live is going according to the plan. The project successfully managed the 3rd wave go-live pre-launch event on 29 April 2021.

**4. Intraday Auctions**

The NEMOs and TSOs summarized their positions concerning the IDA implementation option for detailed analysis. One option has been jointly agreed; clarifications of technical details on information exchanges between PCR and XBID and associated legal implications are ongoing. Work on governance and contractual arrangements is progressing in parallel.

**5. NEMOs and TSOs Report**

The NEMOs and TSOs highlighted the developments in the recent month – successful R3.1. deployment, ongoing 3<sup>rd</sup> wave go-live preparation and work on the CACM Report.

## **6. OPSCOM**

The OPSCOM Convener presented the details of the SIDC operation for the last month, the status of the exchanges with DBAG concerning operational matters and the critical incidents experienced in the past months. The process of OPSCOM chair handover to the new OPSCOM chair was presented.

## **7. MSD**

The MSD Convener presented the recent developments concerning the losses design, cross-product matching and flow based allocation.

Concerning the cross-product matching following status was shared. There is a number of topics, which are still under discussion: 1) timewise split; 2) Virtual orders visibility and possibility to match; 3) Cash Value Rounding and 4) Order ID and ACER REMIT reporting.

For the losses design, the new option analysis was finalized and it is now being further discussed with DBAG. Concerning the Flow based allocation the first draft of the high-level design was updated and is being further discussed.

## **8. QARM**

QARM Convener presented the status of the QARM group work for the past month: the work on R4.0 planning, 3<sup>rd</sup> wave go-live preparatory work, preparation for CACM annual report and SIDC roadmap.

## **9. SIDC-SDAC Governance – LTF merge**

The SIDC-SDAC joint governance expects a merge of the LTF groups. Due to the fact that both groups discuss similar topics and have similar members already at the moment, it is suggested to merge the LTF work already now. The SIDC approved the suggestion subject to approval of SDAC.

## **10. COM SG Report**

The COM SG Convener informed the IDSC about the successful 3<sup>rd</sup> wave pre-launch event. As part of the preparatory work, the webpages as well as the information package and Q&A document were updated and published on the NEMO Committee and ENTSO-E webpages.

Last update: 25/06/2020

**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 46 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) initiative?**

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.

SIDC is an initiative 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 12th/13th June 2018 across 14 countries. In the first 14 months of operation over 20 million trades have been completed. The 2<sup>nd</sup> wave was launched on 19<sup>th</sup> November 2019.

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.

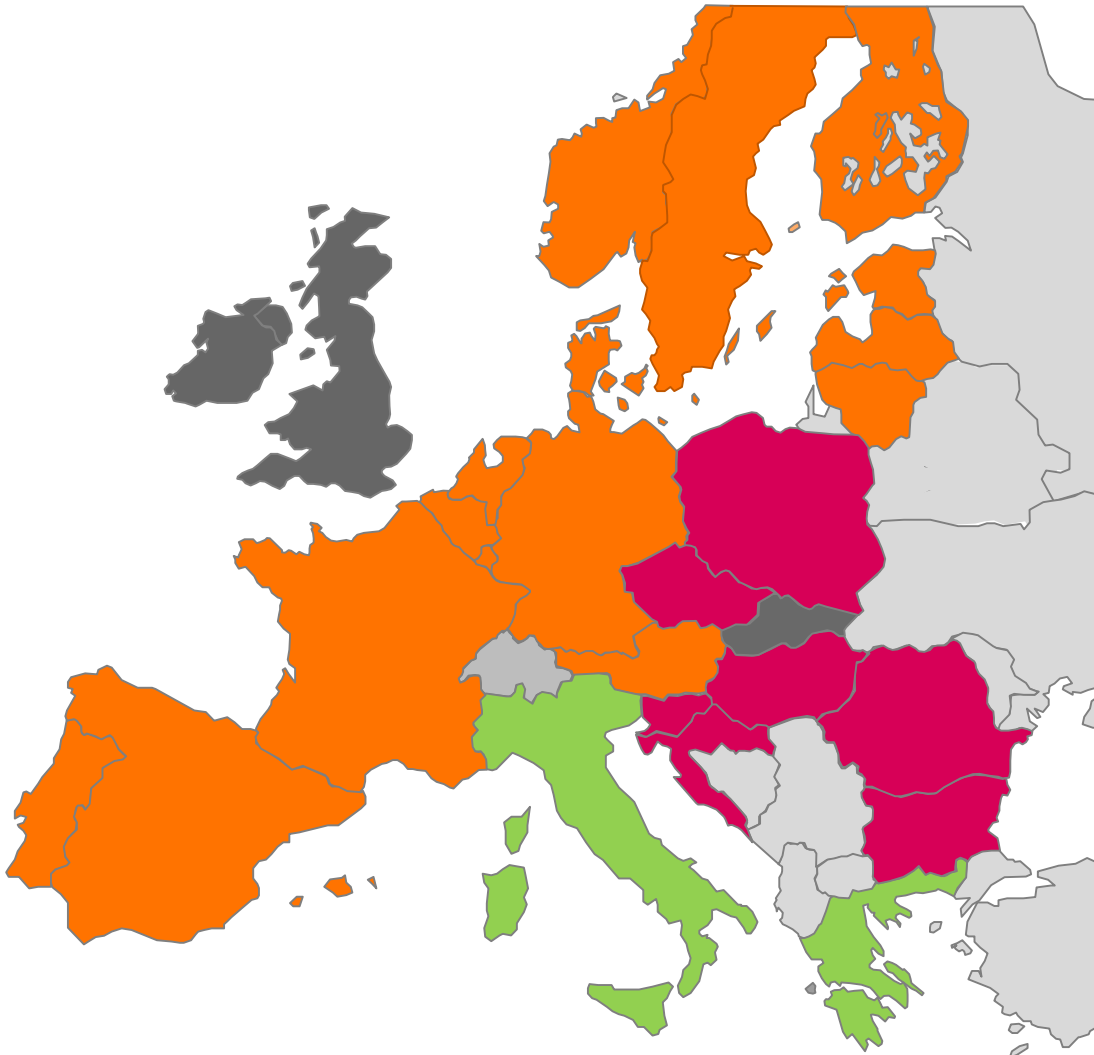
An integrated intraday market will promote effective competition and pricing, increase liquidity and enable a more efficient utilisation of the generation resources across Europe. With the increasing amount of intermittent production, it becomes more and more challenging for market participants to be 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 14 countries: Austria, Belgium, Denmark, Estonia, Finland, France, Germany, Latvia, Lithuania, Norway, The Netherlands, Portugal, Spain and Sweden. A second go-live with further countries – Bulgaria,

Croatia, Czech Republic, Hungary, Poland, Romania and Slovenia . A third go-live (Italy and Greece) is foreseen for 1Q 2021.

Picture 1: Countries coupled by SIDC solution in 1st Wave Go-Live, shown in orange (13th June 2018), 2nd Wave Go-Live, shown in purple (19th November 2019); 3<sup>rd</sup> Wave, shown in green (planned for Q1 2021).



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

## 5. Who are the partners involved?

The parties involved are:

Transmission System Operators (TSOs):

50HERTZ, ADMIE, AMPRION, APG, AST, BritNed, ČEPS, CREOS, EirGrid, ELERING, ELES, ELIA, ELSO, ESO, FINGRID, HOPS, Litgrid, MAVIR, NGIC, 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 EMCO, 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 border and planned for the SL-HR in the 2<sup>nd</sup> wave go-live).

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. 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.

**10. 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.

**11. 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.

**12. 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.).

**13. 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 ICCC – Incident Committee	OPSCOM is the governance body responsible for the ongoing operation of SIDC solution. It reviews operational performance and incidents. The ICCC 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.
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**14. And what do all the acronyms mean?!!!**

<b>Abrv.</b>	<b>Terms</b>
<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