

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	12 December 2019 10:30 -17:00	Meeting Location	Zagreb, Croatia

SIDC PARTIES

AFFÄRSVERKET SVENSKA KRAFTNÄT	RTE Réseau de Transport d'Electricité
AMPRION GmbH	SONI Limited
AUSTRIAN POWER GRID AG	STATNETT SF
AS "Augstsprieguma tīkls"	TENNET TSO B.V.
BRITNED DEVELOPMENT LIMITED	TENNET TSO GmbH
ČEPS, a.s	Terna - Rete Elettrica Nazionale S.p.A.
CREOS Luxembourg S.A.	TRANSNET BW GmbH
Croatian Transmission System Operator Ltd.	50Hertz Transmission GmbH
EirGrid plc	BSP Energy Exchange LL C
ELECTRICITY SYSTEM OPERATOR EAD	CROATIAN POWER EXCHANGE Ltd.
ELERING AS	EirGrid plc
ELIA SYSTEM OPERATOR SA/NV	EPEX Spot SE
ELES, Ltd., Electricity Transmission System Operator	European Market Coupling Operator AS
Energinet Elsystemansvar A/S	EXAA Abwicklungsstelle für Energieprodukte AG
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 GRID INTERCONNECTORS LIMITED	OMI-Polo Español, S. A
National Power Grid Company Transelectrica S.A.	Operatorul Pietei de Energie Electrica si de Gaze Naturale "OPCOM" S.A.
Polskie Sieci Elektroenergetyczne S.A.	OTE, a.s
Red Eléctrica de España, S.A.U.	SONI Limited
REN – Rede Eléctrica Nacional, S.A.	Towarowa Giełda Energii S.A.

3RD PARTIES:

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

AGENDA

Agenda Topic	Time
1) Welcome	10:45 – 10:55
2) Approve minutes and review actions	10:55 – 11:00
3) 2 nd Wave Go-Live Lessons Learnt	11:00 -11:15
4) OPSCOM report	11:15 - 11:35
5) LTF report	11:35 – 11:55
6) QARM - Transit Shipping – Competing solution	11:55 – 12:25
7) QARM - Agile approach	13:15 - 13:45
8) Accession of the Slovak parties	13:45 - 14:15
9) EXAA – exit from the SIDC	14:15 – 14:30
10) Integrated plan; R3.0 vision for 2020	14:30 – 14:45
11) Com SG, BMSG and XTG Conveners in 2020	14:55 – 15:10
12) Budget management sub-group	15:10 – 15:25
13) Market & System Design	15:25 – 15:45
14) NEMOs & TSOs progress reports and escalated issues	15:45 – 16:00
15) Communication Subgroup	16:00– 16:10
16) Intraday Auctions	16:10 – 16:20
17) Any Other Business	16:20 – 16:30

1. Welcome

The IDSC Co-Chairs open the meeting by welcoming the SIDC members to Zagreb, Croatia. Meeting arranged by HOPS, the Croatia TSO.

The agenda for the meeting is presented and approved by the IDSC.

2. Approve minutes and review actions

The minutes from the IDSC held on 6 November are approved.

Due to the importance of the transit shipping for the 2nd wave go-live, virtually the entire IDSC meeting was dedicated to the discussion concerning the transit shipping interim solution, so that the 2nd wave go-live for 19th November 2019 can be secured. The SIDC parties managed to find agreement on the next steps. The details of the discussion cannot however be disclosed to the general public due to confidentiality reasons and therefore the IDSC minutes from 6 November cannot be published.

3. 2nd Wave Go-Live Lessons Learnt

The lessons learnt from the 2nd wave go-live were presented. The parties agreed with the conclusions. The major points will be reflected in the updated Launch Plan Document and Conveners (OPSCOM, LIP Testing Co-ordinator, Go-Live Co-ordinator) are responsible for their implementation.

4. OPSCOM Report

OPSCOM Convener presented the operational report for October 2019. The discussion concentrated on the following topics:

- process to inform IDSC on Incidents causing market halt
- communication on operational matters with DBAG
- measures taken by DBAG in order to ensure that planned maintenance has no impact on the operations

5. Legal Task Force Report

LTF convener presented the updated timeline for implementation of joint SIDC-SDAC governance principles which is expected to be finalized by the end of 2020.

6. QARM Report – Transit Shipping

The IDSC discussed the possible ways on how a transit shipping solution can found for the period from 19 May 2020 until the enduring solution is implemented. The parties had different opinions concerning which parties should be responsible for the tender process. Furthermore the SIDC members discussed preparation for the next discussions with the NRAs on this matter.

IDSC agreed to initiate the process to share views on the enduring solution.

7. QARM Report – Agile Approach

The QARM convener presented the results of the development of the Agile approach and the way forward on its implementation.

NEMOs, TSOs and DBAG designed **key principles** under which SIDC could **start an efficient agile pilot project**. The key principles are as follows:

- There should be only **one sprint testing at time**. Sprints may overlap, however, the particular phases of the sprints shall not overlap.
- There should not be **any parallel processing of agile and waterfall activities** (either one or the other approach shall be applicable).
- The agile approach is based on **triplet concept**

8. Accession of the Slovak Parties

The IDSC Co-Chairs informed the IDSC that the Slovak parties received the list of contracts relevant for the SIDC cooperation together with the calculation of the foreseen historical cost and forecast costs for 2020. The Slovak parties noted that they expect to join the project in the first half of 2020.

9. EXAA – exit from the SIDC Project

The LTF conveners presented SIDC findings concerning the EXAA exit from the project. The project considers the exit as voluntary. In this case the default period for exit is 6 months. The IDSC agreed that EXAA shall be part of the project until 31.3.2020 and stay under IDOA until all related payments were processed.

10. QARM – R 3.0 vision

The QARM convener presented possible timeline for the R3.0 implementation.. The project will decide if the agile approach will be used to develop the Release 3.0 after the agile approach pilot project is conducted.

Target date for 3rd wave go-live is Q4 2020; Release 3.0 is not a precondition.

11. Com SG, BMSG and XTG Conveners in 2020

The IDSC approved the new nominated conveners for the Communication Sub-Group, Budget management Subgroup and XTG co-conveners for 2020

12. BMSG Report

The BMSG convener presented the forecast for the cost spent in 2019. Due to the confidentiality reasons details cannot be shared.

Furthermore the cost validation report for October 2019 was introduced and approved.

13. MSD Report

The MSD convener presented results of the group work in the recent months, in particular concentrated on the findings concerning the Proof of Concept for losses implementation. It results in the need for performance improvements to achieve the SLAs. Further clarifications from the IT provider are needed before launching the development.

MSD provided a tentative timeline for flow-based implementation; mid 2023 seems to be the earliest date. However other major changes like Intra-day auctions, cross-product matching, enduring shipping solution and budget and performance issues will have to be considered before confirming this date.

14. NEMOs and TSO report

The NEMO and TSO reports were included in the session file. No questions were raised.

15. Communication Support Group

The Communication Sub-Group convener suggested that an event to mark the successful 2nd wave go-live should be organized in Q1 2020 to thank those who had worked so hard to achieve this. This suggestion was welcomed by the IDSC.

16. Intraday Auction Implementation

The IDSC discussed the desired governance concerning the implementation of the intraday auctions. It was agreed that the preferable approach is to govern the implementation under SIDC, which will reach out to SDAC when needed. The IDSC agreed that the scope of work should be transferred to Market System Development Group under SIDC and the NEMOs Committee and Intraday Auctions Task Force should be informed accordingly.

Last update: 04/10/2019

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.

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.

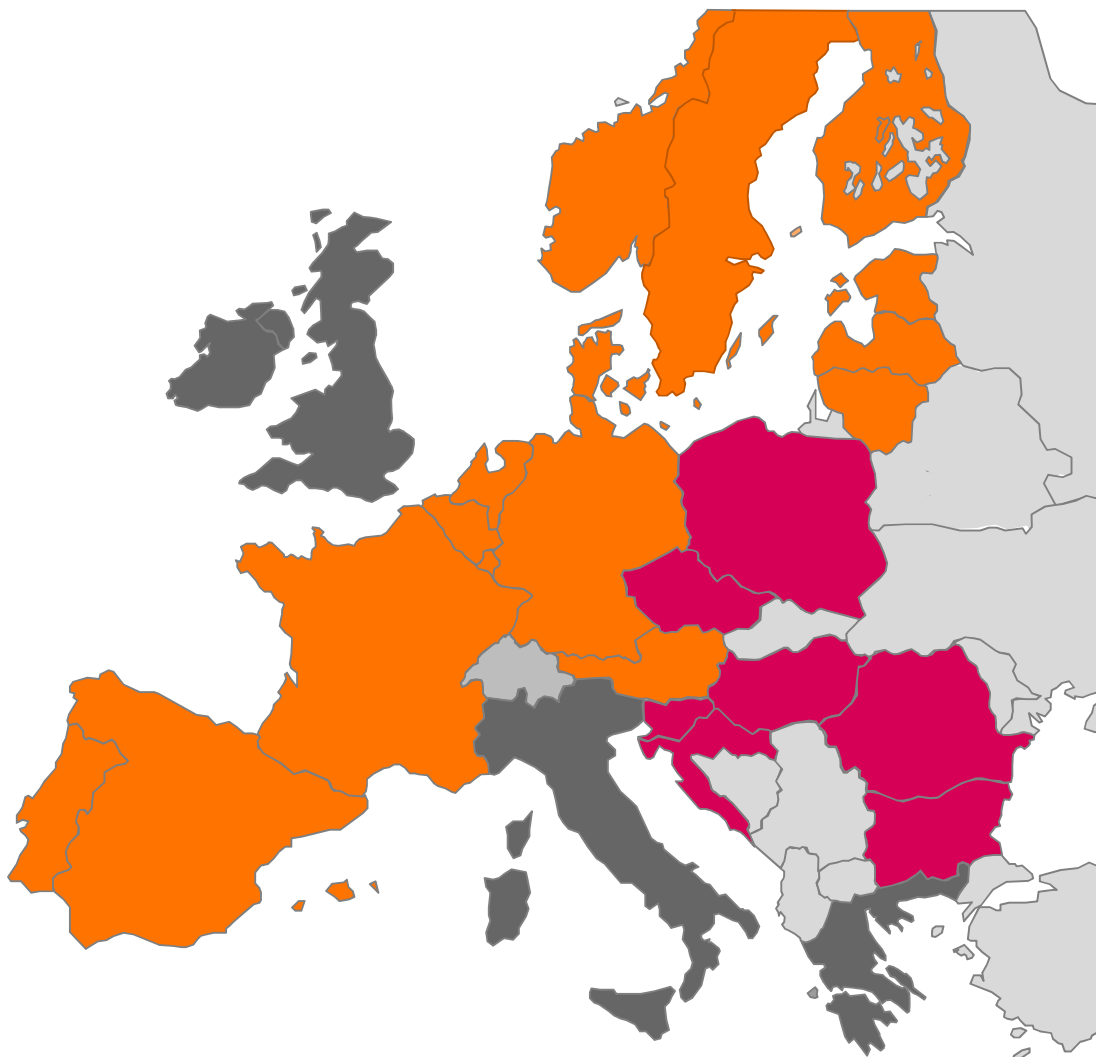
An integrated intraday market will promote effective competition and pricing, increase liquidity and enable a more efficient utilisation of the generation resources across Europe. With the increasing amount of intermittent production, it becomes more and more challenging for market participants to be 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 - is foreseen in Quarter 4 2019. A third go-live is also foreseen but a date for this is not confirmed at present.

Picture 1: Countries coupled by SIDC solution in 1st Wave Go-Live, shown in orange (13th June 2018) and 2nd Wave, shown in purple (planned for Q4 2019)



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, SONI, STATNETT, SVENSKA KRAFTNÄT, TenneT DE, TenneT NL, TERNA, TRANSELECTRICA and TransnetBW.

Nominated Electricity Market Operators (NEMOs):

BSP, CROPEX, EirGrid, EPEX, EXAA, GME, HEnEx, HUPX, IBEX, Nord Pool EMCO, 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 2nd 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 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 st and 2 nd 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?!!!

Abrv.	Terms
AOB	Any Other Business
AP	Action Point
ASR	Additional Service Request
BBP	Business Blueprint
CC	Conference Call
CET	Central European Time
CR	Change Request
DST	Daylight Savings Time
EoB	End of Business
EoD	End of Day
EoY	End of Year
EU	European Union
FS	Functional Specification
FTF	Functional Task Force
HL	High Level
ID SC	Intraday Steering Committee
IMT	Incident Management Tool
INC	Interim NEMO Committee
JSC	Joint Steering Committee
LIP	Local Implementation Project
MSD	Market & System Design
NEMO	Nominated Electricity Market Operator
OBK	Orderbook
PM	Project Manager
PMI	Public Message Interface
PMO	Project Management Office
PP	Project Place
PTF	Performance Task Force
QARM / QA&RM	Quality Assurance and Release Management
R#.#	Release number #.#
RCB	Release Control Board
RTS	Realistic Test Scenario
SC	Steering Committee
SLA	Service Level Agreement
SPOC	Single Point of Contract

TBD	To Be Defined
TSO	Transmission System Operator
TWG	Technical Working Group
WS	Workshop
WG	Working Group
XTG	XBID Testing Group