

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 September 2019 10:45 -17:00	Meeting Location	Brussels, Belgium

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 – 11:10
3) Agile approach for R3.0	11:10 – 11:35
4) R&D Workshop	11:35 – 12:00
5) Budget management	12:00 - 12:45
6) Transit Shipping	13:35 – 14:10
7) Contract strategy for Go-Live Co-ordinator, QARM Convenor, LIP Testing Co-ordinator and MSD Convenor	14:10 - 14:30
8) LTF Report – Enduring Governance	14:30 – 14:55
9) 3 rd wave go-live	14:55 – 15:05
10) Integrated plan	15:05 – 15:15
11) NEMOs & TSOs progress reports and escalated issues	15:15 – 15:40
12) Feedback on operations	15:40 – 16:00
13) Quality Assurance and Release Management	16:00 – 16:20
14) Market & System Design	16:20 – 16:40
15) Communication Support Group	16:40 – 16:50
16) Any Other Business	16:50 – 17:00

1. Welcome

The IDSC Co-Chairs open the meeting by welcoming the SIDC members to Brussels. The agenda for the meeting is presented and approved by the IDSC.

2. Approve minutes and review actions

The minutes from the IDSC teleconference held on 08 August 2019 are approved. All open action points are tackled during the respective agenda points.

3. Agile Approach

The Quality and Risk Management (QA&RM) Support Group Convener informed the IDSC about the progress of the discussion concerning the pilot implementation of the ‘agile’ approach to the development of the Single Intraday Coupling (SIDC) system by Deutsche Borse (DBAG). Until now the project has used the ‘waterfall’ development approach. The ‘agile’ approach is meant to create a more efficient framework, which might decrease the DBAG cost. However, one of the main challenges is that more resources on the SIDC members level will be required with very regular meetings/involvement.

The agile process minimum unit will be one sprint, with fixed price and fixed duration. Furthermore it is expected to have a close to continuous testing process. The details were presented on the working level recently and the feedback on the acceptability is expected in the next few weeks. The IDSC agreed that the agile approach pilot should take place in 2019 if possible. However the final decision on whether or not the agile approach will be implemented as the default option, is to be decided after the results of the pilot project are available.

4. R&D Workshop

The process of finalization of the slides for the Research & Development (R&D) Workshop with the NRAs, which is to be held on 26th September, was presented. This workshop is arranged for SIDC parties to present how R&D is managed and the future plan, as requested by CACM regulation. The IDSC raised suggestions for improvement, which were accepted. The slides are to be finalized on 16th September, after which the IDSC can comment up to 17 September 2019 12:00. The final comments will be incorporated and the presentation formatted, so that it can be provided on the 18th September EOB to the NEMO Committee.

5. Budget Management Support Group Report

The Budget Management Support Group convener (BMSG) presented the July 2019 cost report for validation and informed the IDSC that the expenditures are in line with the budget for 2019. The report was approved.

He further provided information on the main assumptions and cornerstones on the budget for 2020 and roadmap for 2021-2022, which is currently under preparation of the BMSG. The draft budget includes at the moment a significant increase in the Establish and Amendment (Development) Costs due to further investment in the SIDC solution, which needs to be further discussed.

6. Transit Shipping

There was a discussion about the selection of the Transit Shipper in Multi-NEMO Arrangement (MNA) Areas. This is a key dependency for the 2nd Wave Go-Live currently scheduled for November 2019. The parties who are responsible for the selection gave an update on progress. [Commercial topic which cannot be published due to confidentiality reasons].

There was also a discussion with regards to some specific risks associated with Transit Shipping and how these can be mitigated. This content of this discussion cannot be disclosed as it addressed confidential elements regarding the ongoing selection process.

7. Contract strategy for Go-Live Co-ordinator, QARM Convenor, Local Implementation Project (LIP) Testing Co-ordinator and Market & System Design (MSD) Convenor

The discussion was held among the IDSC member without the presence of the subcontractors and cannot be published due to confidentiality reasons.

8. Legal Task Force Report – Enduring Governance

The Legal Task Force (LTF) conveners presented the progress on the analysis of the approach to the enduring governance between Single Day Ahead Coupling (SDAC) and SIDC and related impact to the contracts (for SIDC the Intraday Operational Agreement, IDOA) among the parties in each project.

9. 3rd go-live plan

The NEMO IDSC Co-chair informed the IDSC that Local Implementation Project 14 aims to be ready for go live in Q4 2020, provided that this period can be accommodated by the XBID project and there is no conflict or overlap with XBID activities related to R3.0, and that they do not have any pre-conditions, such as for example Losses implementation, for joining XBID.

The scope includes Italy (and borders with Austria, France & Slovenia) and Greece. It is also expected that the Bulgarian and Greek parties will formally ask for their border to be included in LIP 14 shortly.

10. Integrated plan

Due to the limited time, the Integration Coordination Team (ICT) Convener informed that the integrated project plan is being followed as planned. Confirmation was given by the QARM Convenor that the deployment of Release 2.0 is on track for the end of October. Release 2.0 delivers Enhanced Shipper (critical for 2nd Wave Go-Live), increased Order Book Depth (upto 100) and other aspects such as regulatory reporting.

11. NEMOs and TSO report

Due to the limited time, the NEMOs report presented only the commercials for the DBAG support for the trial period and 2nd wave launch. The IDSC agreed that the NEMOs Steering Committee has the mandate to clarify, negotiate and agree on the commercials with DBAG.

For the TSO report the TSOs reported that they continue to discuss the approach to reporting the single-sided trades (relating to Losses on DC cables) with ACER and that a physical meeting is planned for early October.

12. Feedback on operations

The Operations Committee (OPSCOM) Convener presents the recent development in operations including work on the procedures, current challenges and their future plan. There were no specific additional issues/risks raised. During the summer there were no specific incident events needing to be highlighted. There were 2 incident committees held during the month of August although there was no impact on trading.

13. QARM

The QARM Convener presented, regarding the 2nd Wave Go-Live, the request that NEMOs' Local Trading Solutions (LTS) can be already opened for the delivery date of the first trading day 19th November under the condition that there the borders are not activated (cross border trading will start from the delivery date one day after the 2nd wave go-live). The request was approved.

The readiness of parties for the 2nd Wave Go-Live and the risk relating to the Nomination System in Poland was reviewed and discussed. In view of the risks currently being managed and mitigated a weekly report to IDSC on status is requested.

14. Market System Development

The Market System Development Convener presents the recent developments on the following topics:

1. REMIT (Regulation on Wholesale Energy Market Integrity and Transparency) compliance / obligations to store data specified under the Master Services Agreement (MSA) between NEMOs and DBAG

It was reported that the project is not aware:

- of any additional data provision needed from DBAG to fulfill obligations under REMIT for TSOs entering into transactions
- of any information which is obliged to be published under CACM/Transparency regulation which would require additional data from DBAG/XBID

The IDSC agreed to close the analysis on this topic.

2. Benefits assessment and proposed next steps related to the not fulfilled requirements of IDC1 Annex 2 to the Algorithm methodology (details are considered to be confidential)
3. Indicators elaborated for internal purposes (not part of Algorithm Monitoring Methodology, AMM) adjustments (details are considered to be confidential)

The IDSC approved the conclusions concerning point 2. and 3.

15. Communication Support Group

The IDSC approved the slides and presenter for the 18th Market European Stakeholder Committee (MESOC) meeting and documents for the 2nd wave Pre-launch Event scheduled for 1st October (updated agenda, Q&A, information package and slides, subject to further validation of tables such as that on Gate Opening Time).

16. AoB

The ICT convener informed the IDSC that the governance bodies conveners are preparing the annual report for ACER. Once finalized it will be presented to the IDSC.

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.

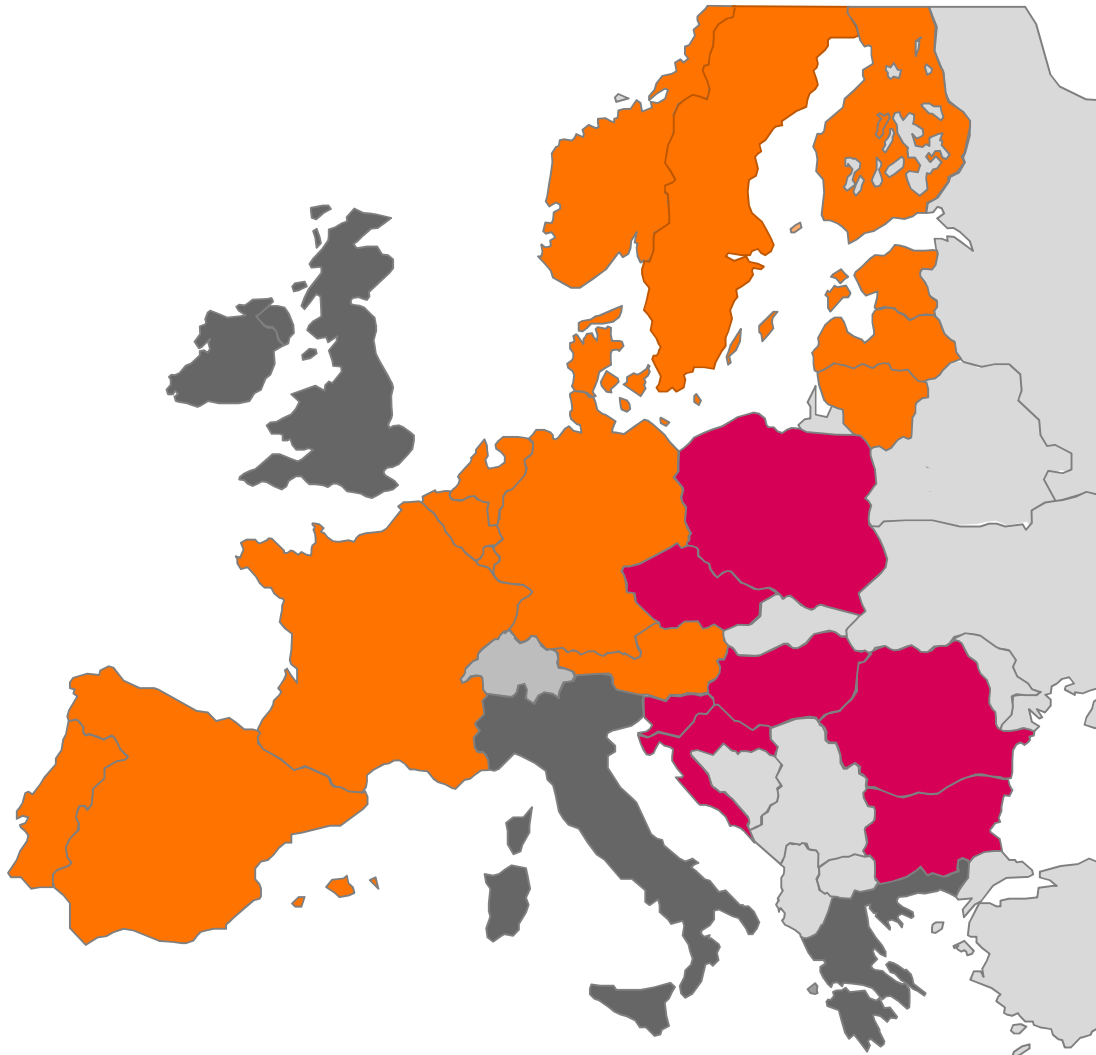
An integrated intraday market will promote effective competition and pricing, increase liquidity and enable a more efficient utilisation of the generation resources across Europe. With the increasing amount of intermittent production, it becomes more and more challenging for market participants to be 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