

## Single Intraday Coupling Update

*26<sup>th</sup> MESC Meeting*

**01.12.2021**



## SIDC – Headlines on Progress

### Future Development Progress

- Release 3.1 successfully deployed into production end of April.
- Testing of Release 3.2 slightly delayed, deployment still expected until end of year.
- Development of cross product matching has been started beginning of September.
- Performance upgrade planned with Release 3.3.

### Research & Development

- Several significant regulatory changes are subject to R&D:
  - Cross product matching
  - Flow-based capacity allocation
  - Enduring shipping solution
  - European Intraday auctions (IDAs)
  - Losses

**SIDC  
transitioning to  
joint governance**

### Securing operations

- Significantly increased number of order transactions registered, while system is performing well and running stable.
- Analysis on performance uplift underway to cope with increased load. Implementation of performance enhancements planned to be started this year still.

### Geographic expansion

- 3<sup>rd</sup> wave Go-live (including Italy and the Italian Northern Borders) achieved on 21<sup>st</sup> September 2021.
- 4<sup>th</sup> wave Go-live integrating Greek and Slovak borders expected at the end of 2022.

## SIDC Update

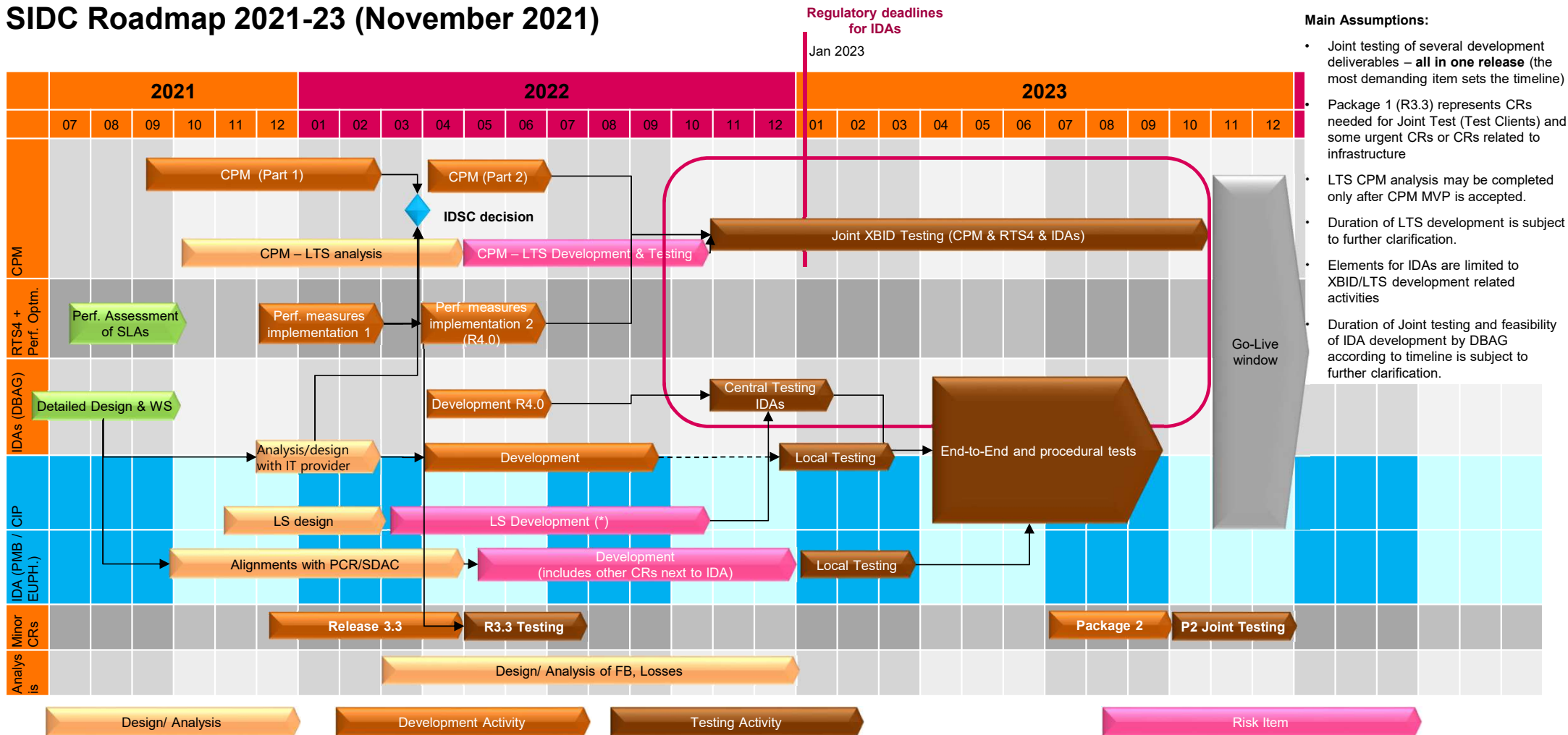
### Operations

- The SIDC intraday market continues to grow, however at a slightly slower pace than before. In October however record figures were recorded again with 6 million trades reached for the first time.
  - More than **120 million trades** have been completed since go-live until end of October.
- Significant growth both in number of trades as well as in volumes traded.
  - Number of trades: Q2 2019: **5.6 million**  
Q2 2021: **15.4 million**
  - Volumes traded: 2019: **57 TWh**  
2020: **82.3 TWh**
- Despite this high level of activity the system continues to perform well. The cumulated unexpected downtimes in 2021 sum up to 7h 10min, last unexpected downtime happened on 22<sup>nd</sup> May.
- Further performance uplifts are currently being prepared as part of Release 3.3 to secure this high level of reliability.

### Joint Governance

- SIDC and SDAC are about to establish a joint governance setup, which is set to go-live in Q1 2022. The concerned multi-party contracts are finalised and the signature processes ongoing. The new governance setup comprises:
  - A joint decision making body, the Market Coupling Steering Committee
  - A joint Communication Task Force (merging two separate TFs)
  - A joint Legal Task Force (merging two separate TFs)
- The other working groups will remain project specific, ie. Day-ahead or Intraday only.

## SIDC Roadmap 2021-23 (November 2021)



### Main Assumptions:

- Joint testing of several development deliverables – **all in one release** (the most demanding item sets the timeline)
- Package 1 (R3.3) represents CRs needed for Joint Test (Test Clients) and some urgent CRs or CRs related to infrastructure
- LTS CPM analysis may be completed only after CPM MVP is accepted.
- Duration of LTS development is subject to further clarification.
- Elements for IDAs are limited to XBID/LTS development related activities
- Duration of Joint testing and feasibility of IDA development by DBAG according to timeline is subject to further clarification.

## Status on R&D changes

### Cross-product matching (CPM)

- Design of central system changes with SIDC service provider largely finalised
- **Development** of the first part of this functionality- minimum viable product- **started** in September **ahead of original schedule**.
- The expected impact on performance remains a significant challenge and is therefore closely monitored through a staged development process in which development slices are validated by SIDC parties before the development continues.
- Market participants will be informed once the technical details are stable enough for sharing. SIDC will organise an online **user group meeting** for that purpose.

### Intraday Auctions (IDAs)

- The **detailed design** for the integration of the continuous (SIDC, XBID) and the day-ahead auction infrastructure (PCR) has been finalised by SIDC.
- The **service provider** for the interface between XBID and the day ahead infrastructure **remains to be chosen**, a second service provider is asked for an offer. As long as this process is not concluded also the analysis with DBAG cannot be finalised.
- Work on technical level continues at high intensity. Requests for change have been elaborated and provided to SDAC. Initial conceptual tests are being prepared and regional implementation projects scoping and setup is ongoing.
- Improvements in the cooperation between SIDC and SDAC are being identified at the moment with a view to efficiently align development activities.

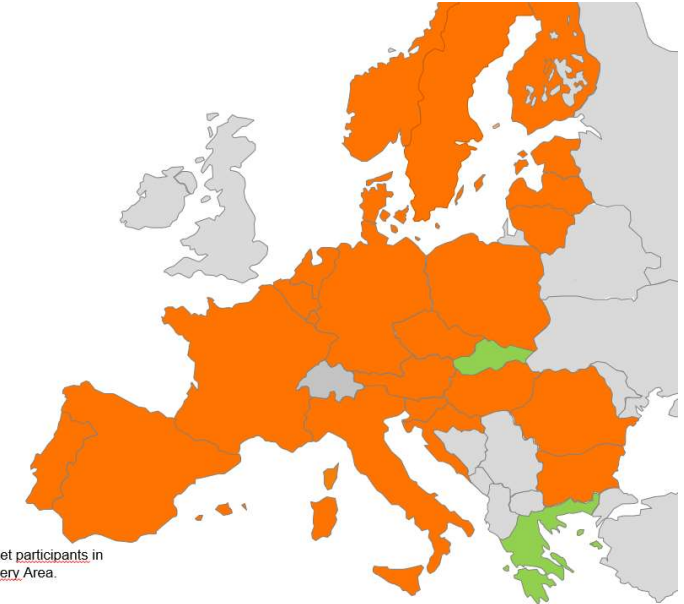
## Geographical extension

### SIDC Single Intraday Coupling

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

3<sup>rd</sup> go-live wave (Italy)

- Italy successfully integrated into Single Intraday Coupling on 21<sup>st</sup> September with first deliveries on the 22<sup>nd</sup> September.

4<sup>th</sup> go-live wave (Greece)

- The SIDC integration of Greece will be postponed and will be merged with the go-live of Slovakia end of 2022.

4<sup>th</sup> go-live wave (Slovakia)

- Slovak borders (SK-CZ, SK-HU) planned to go-live end of 2022. The border SK-PL is expected to follow in Q2 2023.

## SIDC Transparency



### Single Intraday Coupling (SIDC)

#### What is Single Intraday Coupling (SIDC)?

Single Intraday Coupling (SIDC) creates a single EU cross-zonal intraday electricity market. In simple terms, buyers and sellers of energy (market participants) are able to work together across Europe to trade electricity continuously on the day the energy is needed.

**An integrated intraday market makes intraday trading more efficient across Europe by:**

- Comprehensive stakeholder information is published by SIDC on ENTSO-E\* and on NEMO Committee\*\* **websites**:
  - General project description such as scope, functionality, governance structure and project history
  - Market information such as evolution of number of trades, available products and forthcoming new features
  - Further resources like material of stakeholder events, press releases, information packages and Q&A
  - **Stakeholder reports** featuring indicators on -amongst others- traded volumes, average prices, cross-border capacity utilisation, share of cross-bidding zone trades in overall volumes and availability of the SIDC platform
  - **Algorithm monitoring reports** featuring performance of the algorithm, prices, matched orders and volumes and the usage of SIDC products

\*[https://www.entsoe.eu/network\\_codes/cacm/implementation/sidc/](https://www.entsoe.eu/network_codes/cacm/implementation/sidc/)

\*\* <https://www.nemo-committee.eu/sidc>