

# 3<sup>rd</sup> User Group Meeting

**Brussels, 26.01.2016**

TIME	AGENDA ITEM	PRESENTER
09:45 – 10:00	Registration, Coffee	
10:00 – 10:05	1) Welcome, Agenda	Mark Pickles
10:05 – 10:45	2) Project Status Overview and follow ups from last UG	Mark Pickles
10:45 – 11:00	3) Quick wins Belgian borders	Viviane Illegems
11:00 – 11:15	4) LIP 6 (BE-NL)	Tjitske Kramer
11:15 – 11:35	5) LIP 8 (BE-FR)	Nicolas Thierry
11:35 – 12:00	6) LIP 5&11 (FR-DE, DE-CH, FR-CH, AT-DE, AT-CH)	Nicolas Thierry
12:00 – 12:20	7) LIP 3 (DE-DK, DE-NL)	Katja Birr-Pedersen
12:20 – 12:35	8) Q & A session	Viviane Illegems
12:35 – 13:15	Lunch Break	
13:15 – 13:45	9) Accession Stream for non-NWE+ parties	Mark Pickles
14:05 – 14:25	10) LIP 1 (Nordic internal borders)	Jan Rönback
14:25 – 14:35	11) LIP 2 (Kontek)	Katja Birr-Pedersen
14:35 – 14:55	12) LIP 9&12 (FR-ES, ES-PT)	Nicolas Thierry
14:55 – 15:10	13) Q & A session	Katja Birr-Pedersen
15:10 – 15:25	Coffee Break	
15:25 – 15:45	14) LIP 7 (BritNed)	Nils Teipel
15:45 – 16:05	15) LIP 10 (IFA)	Andy Paton
16:05 – 16:25	16) LIP 4 (NorNed)	Roelof de Vries
16:25 – 16:50	17) User Group perspectives on XBID Project (e.g. LIP roadmap)	Mark Pickles
16:50 – 17:00	18) Closing remarks, reflections on the day	Mark Pickles

## **Agenda morning session**

- 2. Project Status Overview and follow ups from last User Group meeting**
- 3. Quick wins Belgian borders**
- 4. LIP 6 (BE-NL)**
- 5. LIP 8 (BE-FR)**
- 6. LIP 5&11 (FR-DE, DE-CH, FR-CH, AT-DE, AT-CH)**
- 7. LIP 3 (DE-DK, DE-NL)**
- 8. Q & A session**

# Project Status Overview and follow ups from last User Group Meeting

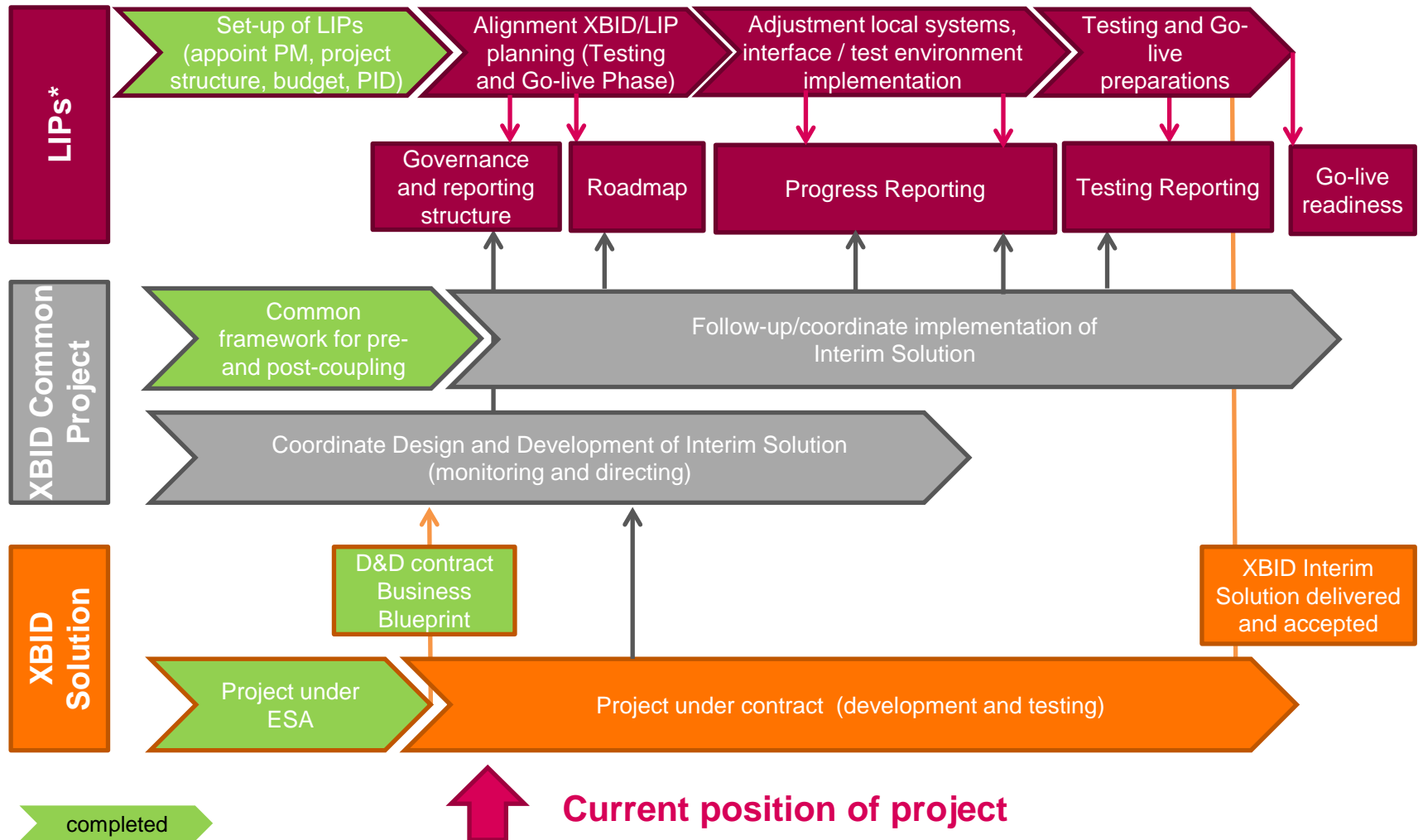
**Mark Pickles**  
TSO Project Manager

## **Content**

- 1. Project Approach**
- 2. Project Structure and Governance**
- 3. Project Progress**
  - Key Achievements
  - Challenges
- 4. XBID Solution - Overview**
- 5. Project Timeline**
- 6. Overview & Introduction to Local Implementation Projects**
- 7. Co-ordination between XBID and Balancing Timeframes Post Gate Closure**
- 8. Matters from previous meeting**
- 9. Summary**

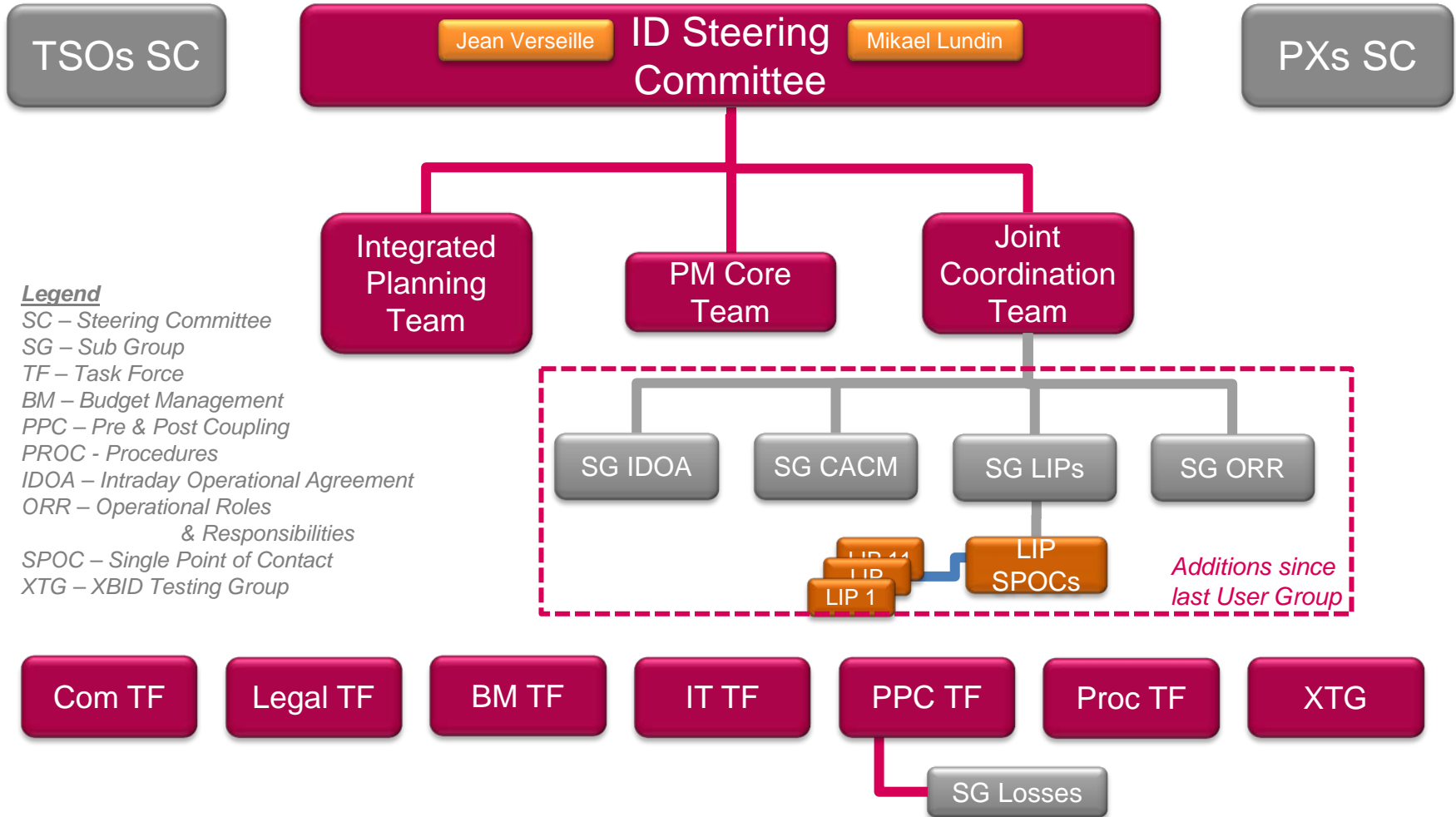
# 1. Project Approach

Delivery of XBID involves 3 areas of distinct focus:



\*Existing LIPs under APCA

## 2. Project Structure and Governance



**Legend**

- SC – Steering Committee
- SG – Sub Group
- TF – Task Force
- BM – Budget Management
- PPC – Pre & Post Coupling
- PROC - Procedures
- IDOA – Intraday Operational Agreement
- ORR – Operational Roles & Responsibilities
- SPOC – Single Point of Contact
- XTG – XBID Testing Group

### 3. Project Progress – **Key achievements**

- **SOB and CMM Development is underway** and due to be completed by end February 2016 ✓
- The review of the **Functional Specifications for the Shipping Module** has been completed ✓
- Progress is being made in the negotiations for the **Hosting and Maintenance contracts** ✓
  - Agreement was reached on 18<sup>th</sup> December for the provision of 3<sup>rd</sup> party support for the PXs developing their Local Trading Solutions
- The hardware for the **Customer Test Environments** has been installed by DBAG and access provided to the PXs. ✓
- A formal submission was made to the EC on the proposed creation of an **Accession Stream for non-NWE+ parties** to XBID. This was reviewed by the EC for CACM and Competition Law compliance and **formal confirmation and support** given (16<sup>th</sup> November). ✓
  - The Co-Chairs of the XBID Steering Committee have written to those non-NWE+ parties who have formally requested to join the XBID project providing an overview of the steps that have been taken including the submission to the EC.
  - A letter has also been sent to non-NWE+ parties inviting them to join the Accession Stream. ✓
  - A submission has been made to the NRAs for cost comfort for the first Elaboration Phase of the Accession Stream
- **Project financial control, review and audits** are in place ✓
- Steps continue to be taken to achieve a more **collaborative approach** between DBAG and the Project Parties. ✓
- **Preparation for the Testing Phase** which commences with Factory Acceptance Testing (FAT) ✓

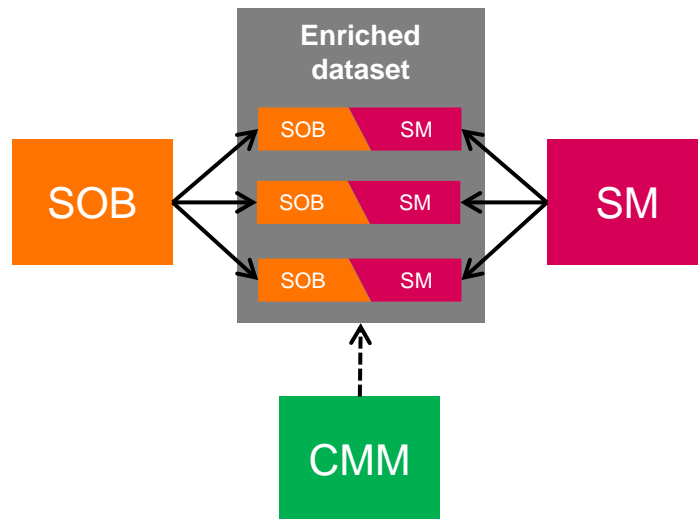


### 3. Project Progress – Challenges

- Securing the conclusion of the **Hosting and Maintenance negotiations** without impacting the project timeline
- Continuing **challenge of resolving significant issues**. A recent one has related to the interface structure/fields between XBID and PX Local Trading Solutions
- Ensuring that the **Shipping Module performance boundaries** are agreed with DBAG
- Balancing the needs **for TSOs to receive confirmed nominations soon after Gate Closure Time (GCT)** against processing queues wherever possible that may have built up prior to GCT
  - Also **co-ordinating with the needs of the balancing projects** (slides 14&15)
- **MPLS (Communication Channel)** providing secure communication between XBID and PXs/TSOs).
  - Connections to DBAG is one of the key elements of the hosting negotiations, which combines several technology suppliers (COLT and Orange).
- DBAG have highlighted a risk relating to the **exposure of XBID CMM towards the open public Internet** by external parties securing explicit capacity. They have also highlighted the risk that internet access to the solution can be impacted by external events.
- Balancing the resourcing requirements for the **Accession Stream** against delivery of XBID as well as the strategic planning for future requirements.

## 4. Reminder: XBID system Overview – CMM, SOB and Shipping Module

**General:** The **XBID system** is a trading solution designed to enable power exchanges to trade energy contracts seamlessly across different geographies in a transparent, efficient and cost effective manner. It aims at creating an integrated trading platform based on the shared order book concept of trading module (SOB), the Capacity Management Module (CMM) and the Shipping Module (SM). The combined entity allows multiple exchanges in different geographies to trade cross border energy contracts continuously on a 24 by 7 basis on a centralised platform.



### Shipping Module: SM

The SM of the XBID Solution provides information from trades concluded within XBID 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 (DA)
- In the same DA between two different Exchange Members

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

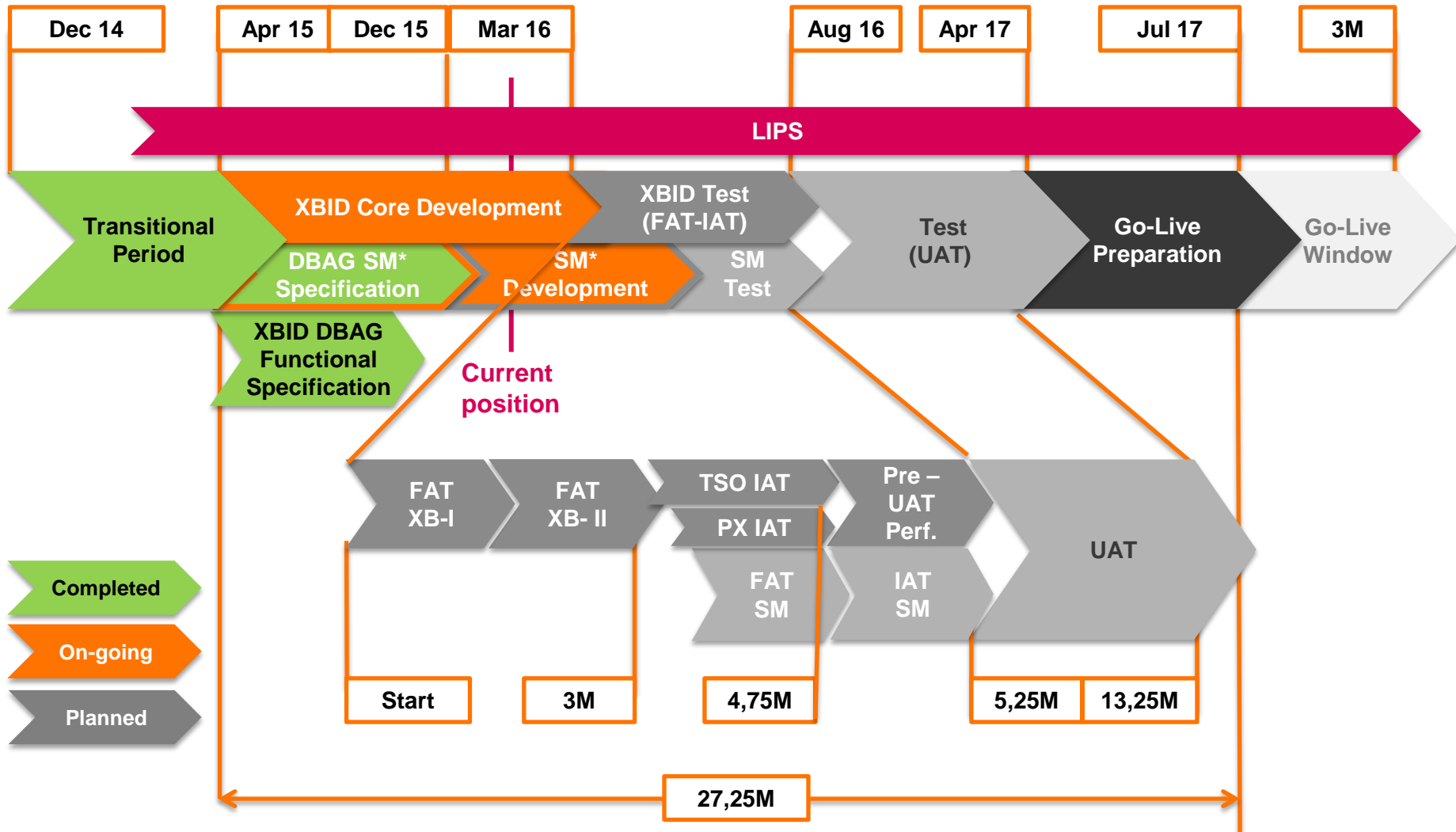
### Trading Module: SOB

The XBID - Trading Module is a commodity trading system catering to the requirements of the energy markets. The trading system is designed to offer trading services to the members continuously all through the year on a 24 by 7 basis. It supports a wide range of energy products and contract types.

### Capacity Management Module: CMM

Capacity Management Module refers to a capacity allocation module which offers the ability to allocate cross border capacity to users continuously all through the year on a 24 by 7 basis. CMM offers both explicit (standalone capacity requests by user entities) as well as implicit (triggered by trades generated in SOB) allocation.

## 5. Project Plan – High Level Delivery Plan until Go-Live



\*SM – Shipping Module

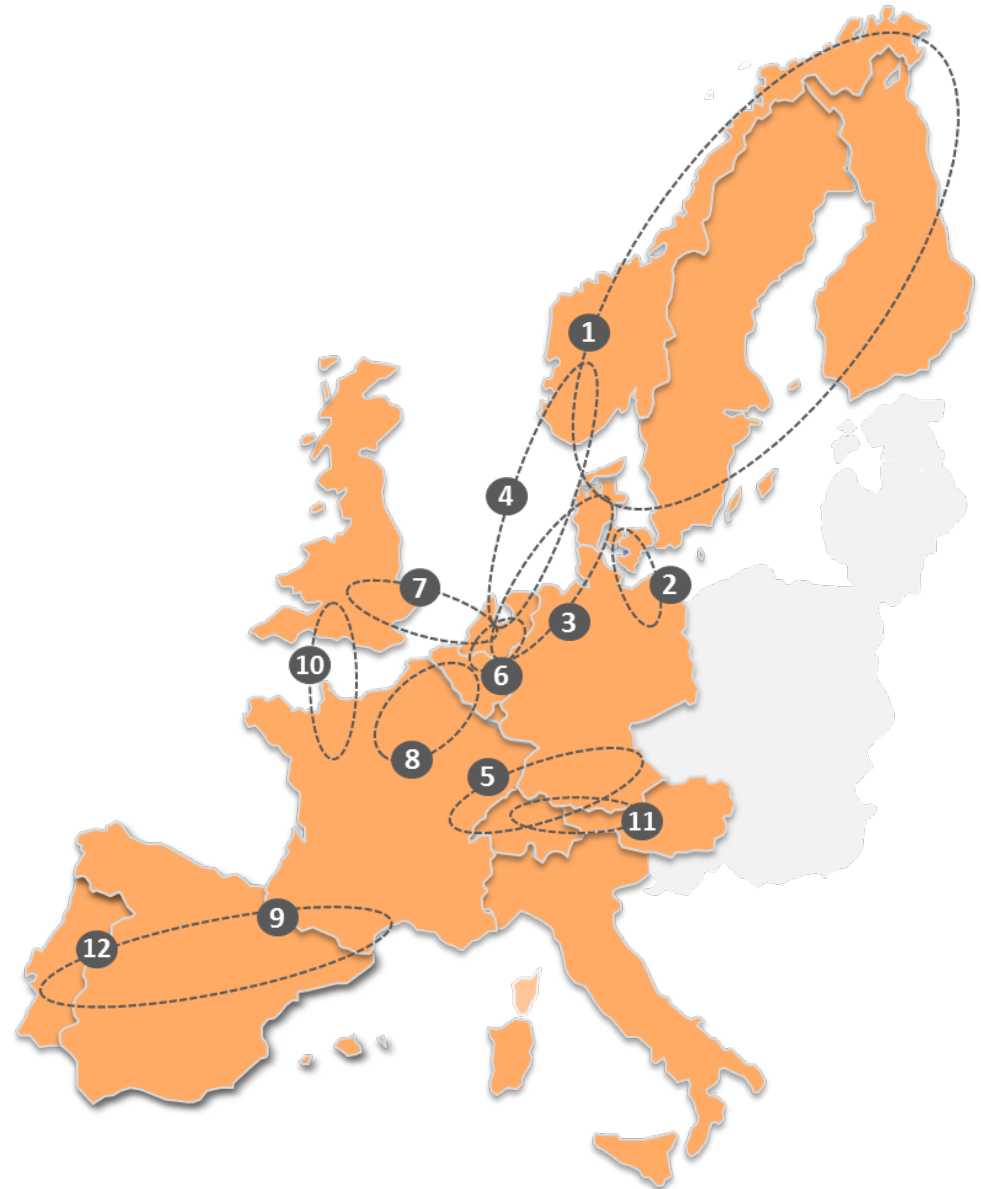
## 6. Overview and Introduction to Local Implementation Projects (LIPs)

- 10 LIPs have been established each with a lead (SPOC) and agreed members
- A LIP Sub Group has been established within the project to ensure that effective co-ordination, integrated planning and structured progress reporting is in place
  - The Sub Group is also responsible for developing the LIP Roadmap
- The LIPs continue to make progress in establishing individual project governance arrangements, structure (e.g. appointment of Project Managers), budget, planning and impact assessments.
- Current key milestones are:

– LIP Testing requirements defined	20/1/16
– Agreement on LIP Test Environment	29/2/16
– Development commenced	LIP specific
– LIP Roadmap developed	Spring/summer 2016
– Readiness for LIP Testing	1/17
– Readiness for LIP Go-Live	4/17

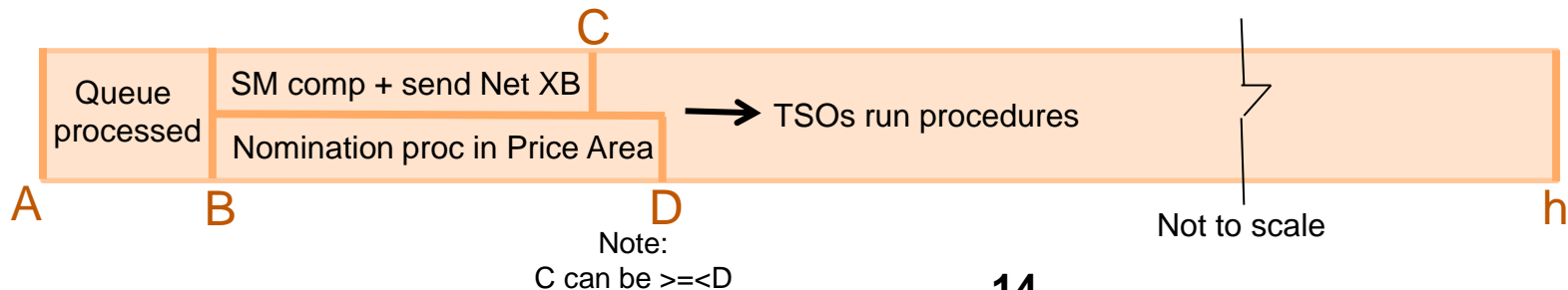
## 6. LIPs and Members

	LIP	Participants
1	Nordic	Fingrid, EnDK, SvK, Statnett, NPS
2	DK2/DE (Kontek)	EnDK, 50Hz, NPS, EPEX
3	DK1/DE, DE/NL	EnDK, TenneT NL& DE, Amprion, EPEX, APX/Belpex, NPS
4	NorNed	Statnett, TenneT NL, APX/Belpex, NPS
5 11	FR/DE, CH/DE, CH/FR, DE/AT, AT/CH	Amprion, TransnetBW, APG, RTE, Swissgrid, EPEX, NPS, Tennet DE
6	NL/BE	Elia, TenneT NL, APX/Belpex
7	BritNed	Britned, NG, TenneT NL, APX
8	FR/BE	RTE, Elia, APX/Belpex, EPEX
9 12	FR/ES&ES/PT	RTE, EPEX, OMIE, REE, REN
10	IFA	RTE, NG, NPS, EPEX



## 7. Coordination between Intraday and Balancing Time Frames Post Gate Closure (I)

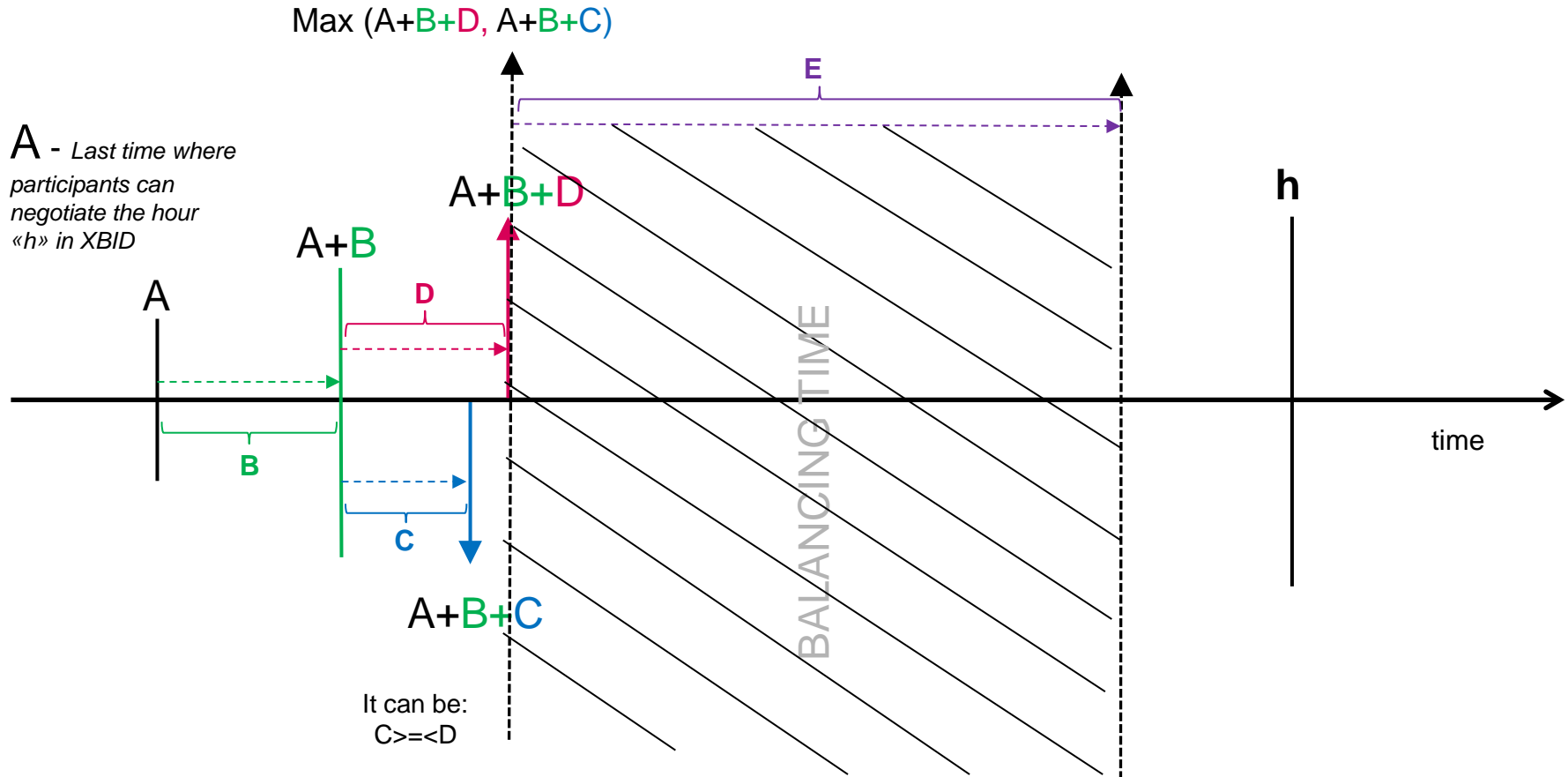
- Context:
  - The closing events of the ID market each hour need to be coordinated with the timing and requirements of the balancing markets to ensure the respective needs are satisfied
- Closing events for ID XBID each hour:
  - At moment 'A' PX Trading systems stop accepting orders and cross-border ID capacities cannot be changed any more for the delivery hour (h)
  - Any queue of pending orders is processed in the XBID system
  - At moment 'A+B' the XBID system stops processing the orders in the queue and drops the remaining orders, if they exist.
  - At moment 'A+B' the following two process start in parallel:
    - The XBID Shipping Module computes and sends net cross border positions and settlement information at moment 'A+B+C'
    - The responsible parties go through the nomination procedures within each price area which completes at moment 'A+B+D'
  - At moment 'Max (A+B+C, A+B+D)' the TSOs run their own procedures (see next slide)



## 7. Coordination between Intraday and Balancing Time Frames Post Gate Closure (II)

- After the closing events detailed on the previous slide, each TSO within each Price Area run their own procedures. This raises aspects such as:
  - How are all these steps coordinated with balancing?
  - Are there different timings for different price areas and/or borders?
- It also needs to be recognised that there are limitations to the variables in the closing events:
  - As an example, ‘A+B+C’ cannot exceed a certain number of minutes within the hour prior to delivery time
  - There are other limitations which must be respected
- As a consequence it is necessary to agree on the different variables to make sure that all requirements are respected
- The forum needs to be determined in which these two timeframes will be discussed amongst all parties
  - We propose to raise the issue at the EU Stakeholder Forum to discuss and agree the next steps

## 7. Coordination between Intraday and Balancing Time Frames Post Gate Closure (III)



B – XBID stops processing orders

C – SM computes & sends net XB positions and settlement info

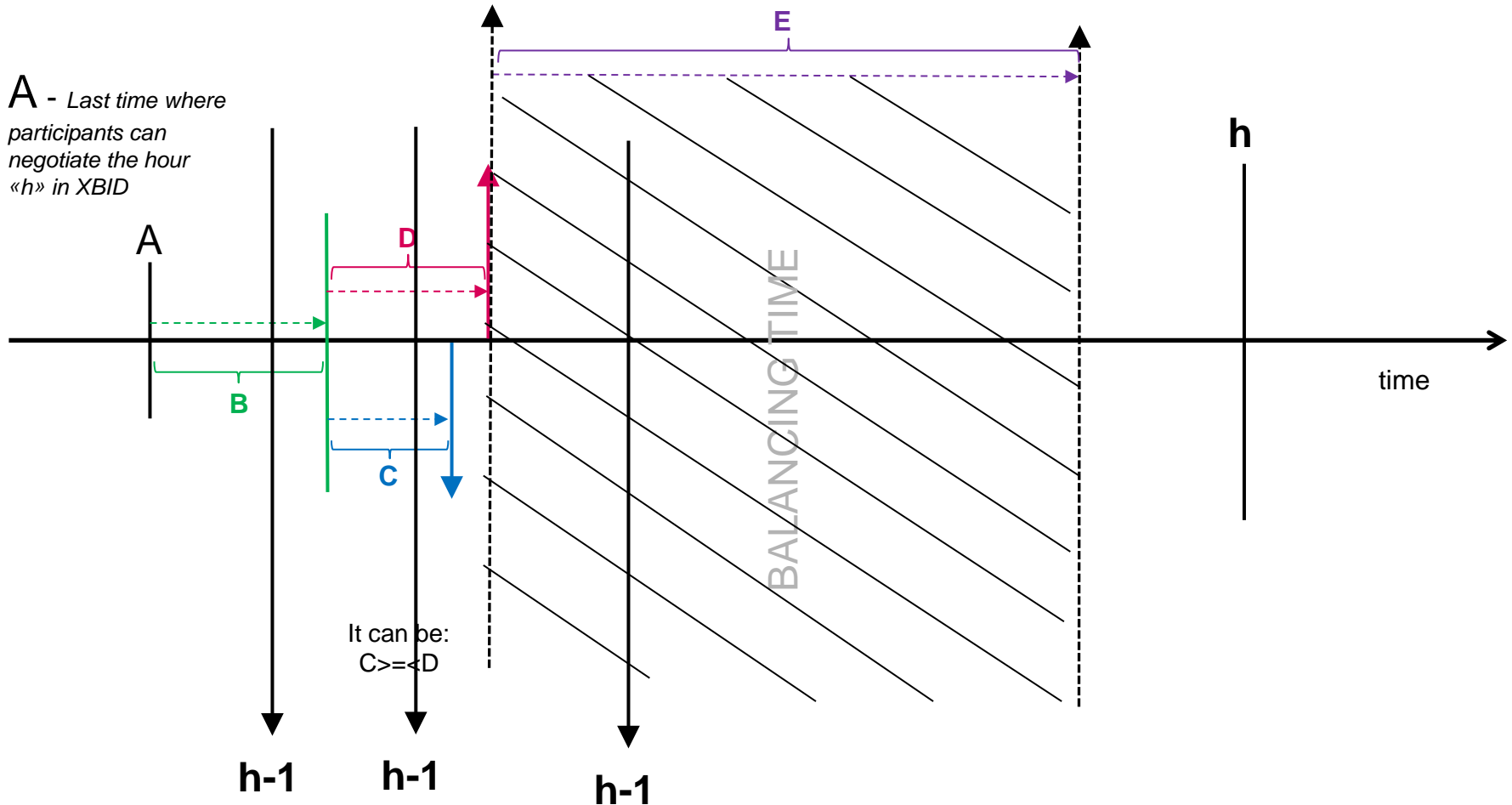
D – Nomination process in price area complete



# 7. Coordination between Intraday and Balancing Time Frames Post Gate Closure (IV)





$$\text{Max}(A+B+D, A+B+C)$$

A - Last time where participants can negotiate the hour «h» in XBID



h-1: it can be at any time depending on the agreement to make sure that all requirements are respected

## 8. Matters from previous meeting

1. To provide at the next XBID User Group meeting a general project update of all LIPs. During this meeting more detailed information on LIP planning shall be provided.  Will be done in the course of this User Group meeting
2. Description of the XBID solution with all “selling facts” that are important for MP such as the type of products and orders that are supported by the system, the matching rules of orders, performance figures  XBID project parties have launched this month a process to define products to be used in XBID.
3. Description of the difference between the XBID CMM and existing DBAG capacity platform and analysis of an earlier delivery of the CMM  Done. Slide deck circulated to User Group members on 19/05/15.
4. Feedback on maintenance slots for the XBID system:  Provisional answer: Regular maintenance time slots will take place on a quarterly basis and the time slot shall not exceed 2 hours per maintenance time slot. The maintenance time slots will be fixed once per year and for at least one year in advance. To be fully clarified during Maintenance negotiations

## 9. Summary

- The project is now in the Development Phase with extensive preparations being made for Testing
- Progress continues to be made in the negotiation of the Hosting and Maintenance Contracts although the process is proving to be very lengthy. This remains a significant challenge and a risk to the project should the negotiation timeline become extended.
- The project continues to both resolve and manage a number of challenges.
- A submission has been made to the EC with a proposal to create an Accession Stream for non-NWE+ parties. This has been reviewed for CACM and Competition Law compliance and formal support for the proposal has been received from the EC.
  - A meeting with the non-NWE+ parties is being arranged to discuss the arrangements for the creation of the Accession Stream
- The respective needs of ID and balancing must be respected and co-ordinated
- There is a continuing and increasing focus on LIPs. A project Sub group has been created and regular reporting introduced.

## Q & A



## **Agenda morning session**

- 2. Project Status Overview and follow ups from last UG**
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## Quick Wins – ID LIPs 6 & 8

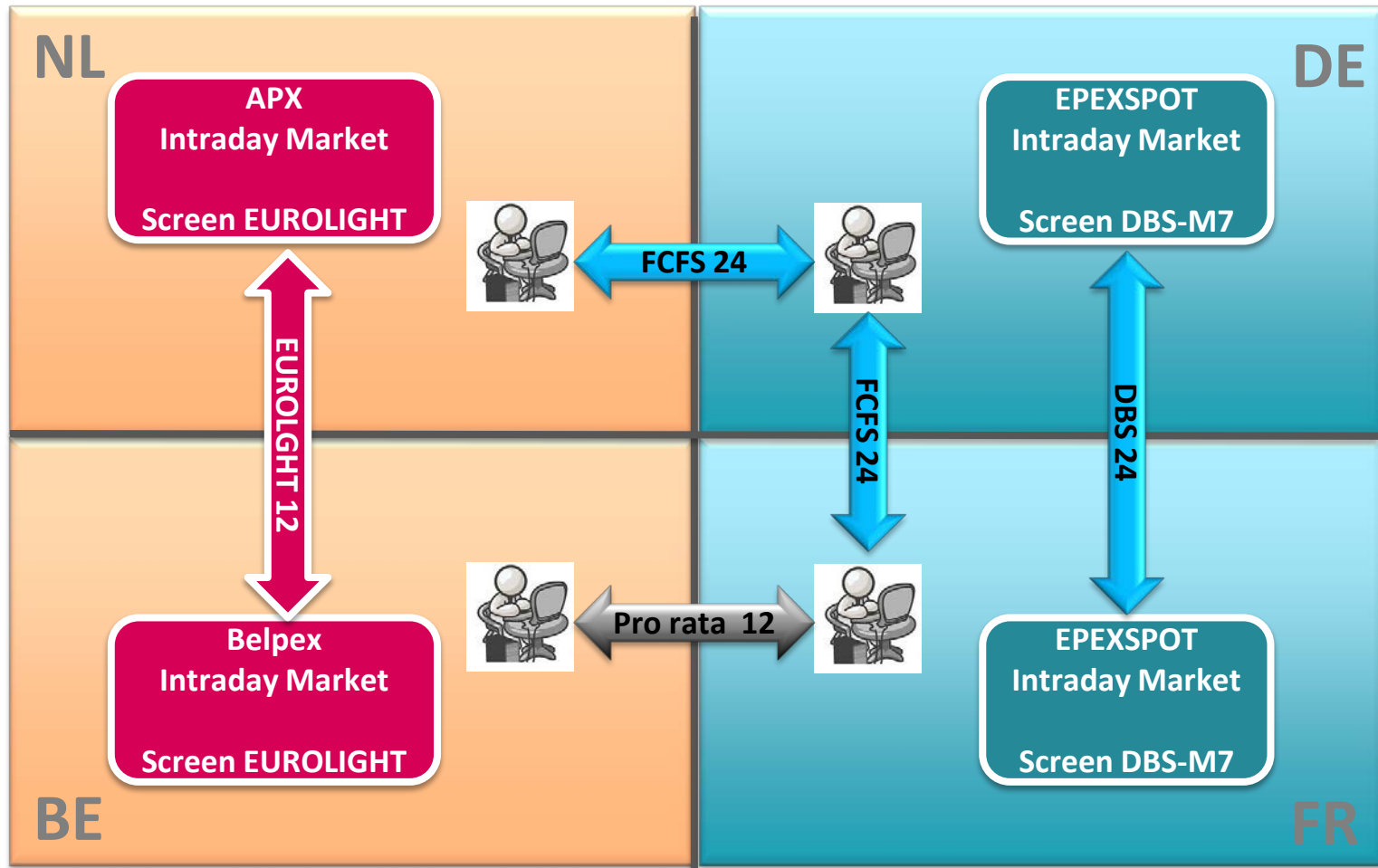
Elia / MD / Viviane Illegems



## Quick Wins Topics

- Current situation since 8 September 2015
- Quick Wins step 1 for the BE-FR border targeted for February 2016
- Changes for the members with the implementation of Quick Win Step 1.
- Quick Wins step 2 for the BE-NL and BE-FR border targeted for September 2016
- Planning of Quick Win step 2.
- Changes for the members with the implementation of Quick Win Step 2.

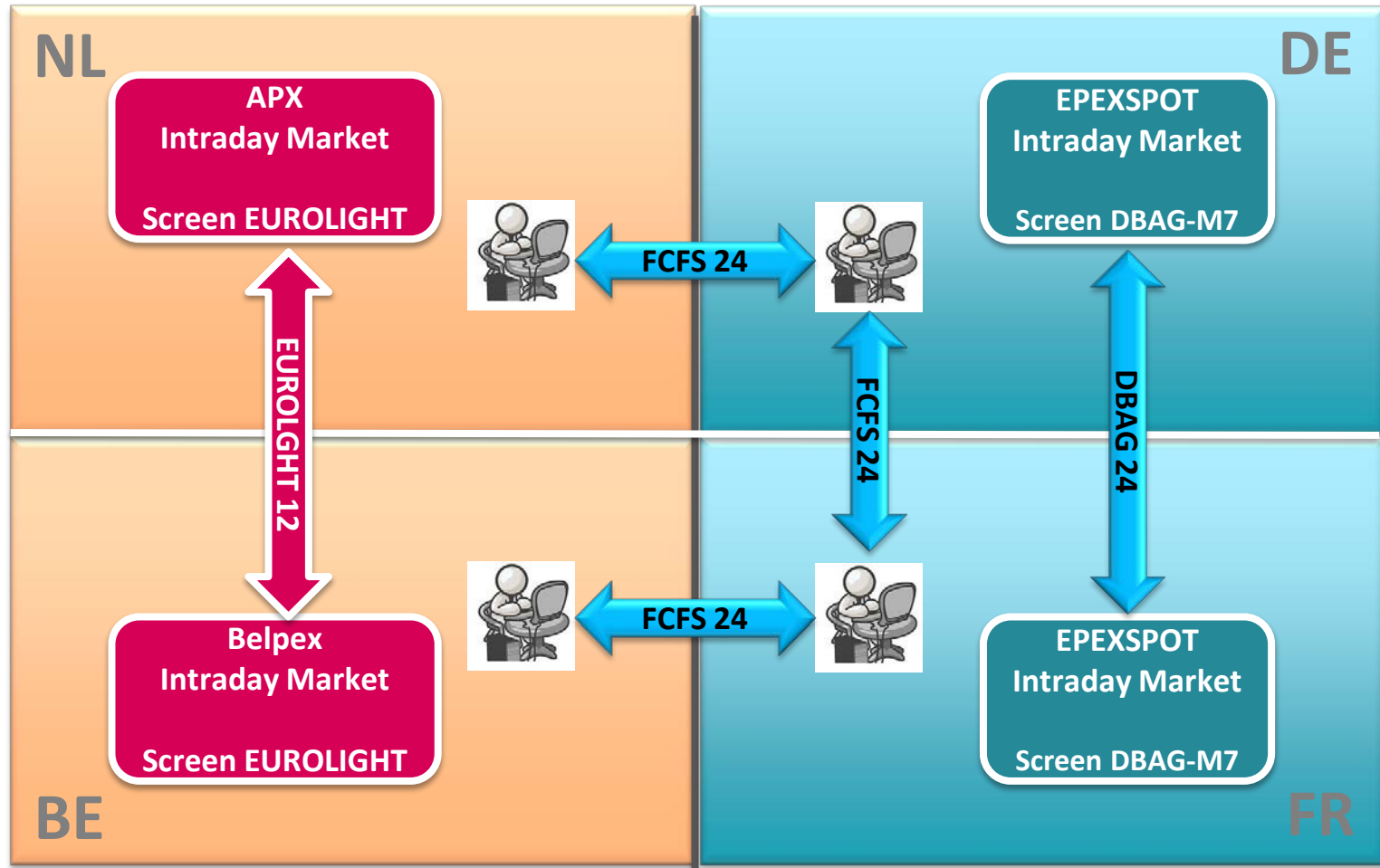
## Current Situation (since 8 sept. 2015)



Methods for allocating capacities on Belgian borders remained unchanged



# Quick Wins step 1 - Feb 2016





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## Quick Wins step 1 - February 2016

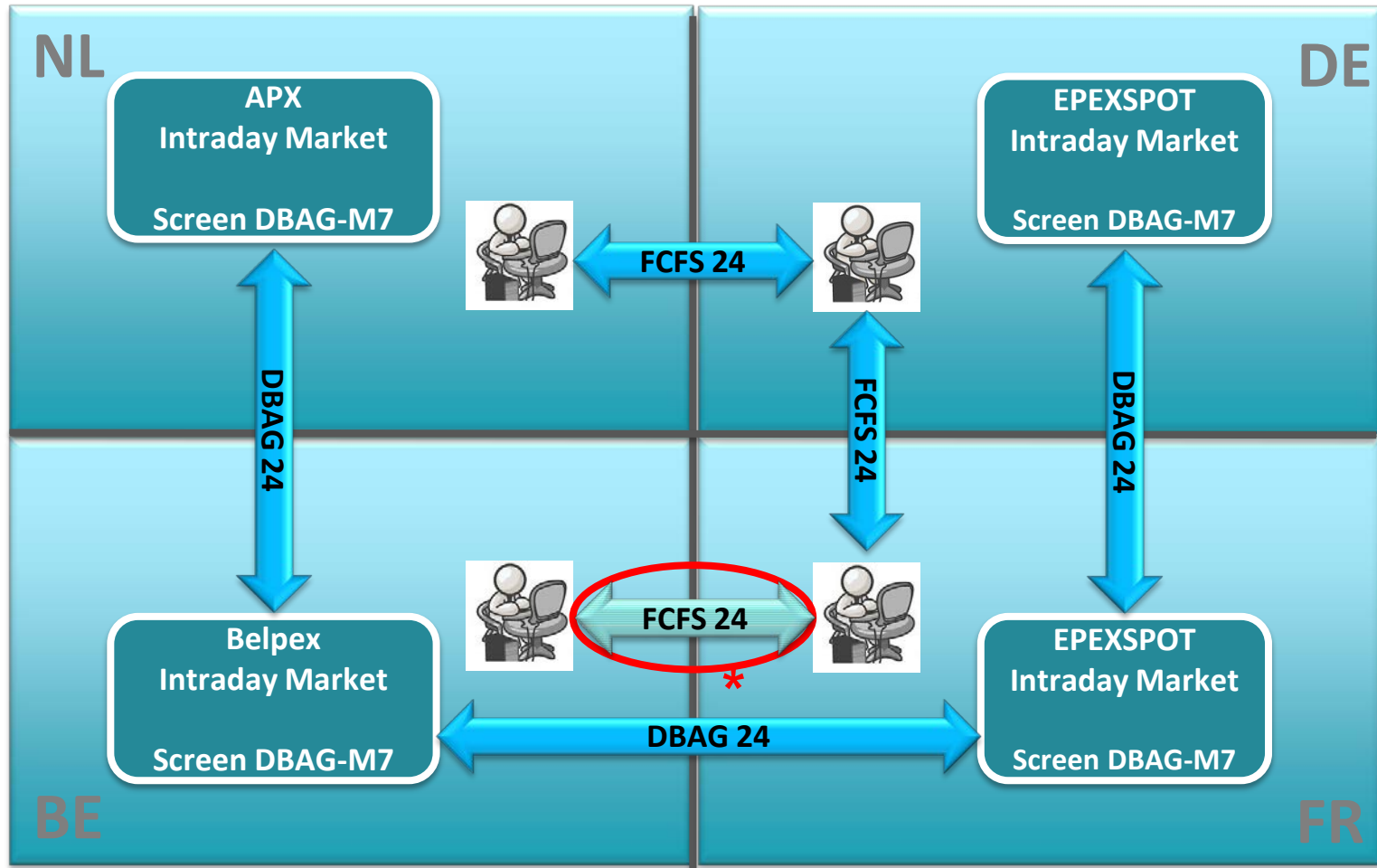
- Approval Package sent to CREG and CRE beginning of October 2015
  - Additional information provided mid-November 2015
  
- Draft decision of CREG received on December 10<sup>th</sup>, 2015
  - Consultation by CREG/CRE till 12 January 2016
  
- Final decision CREG and CRE expected by end of January – beginning of February, 2016
  
- Go-live expected about approx. 2 weeks after regulatory decision.



## Changes for the members for Quick Win Step 1 for the BE-FR border.

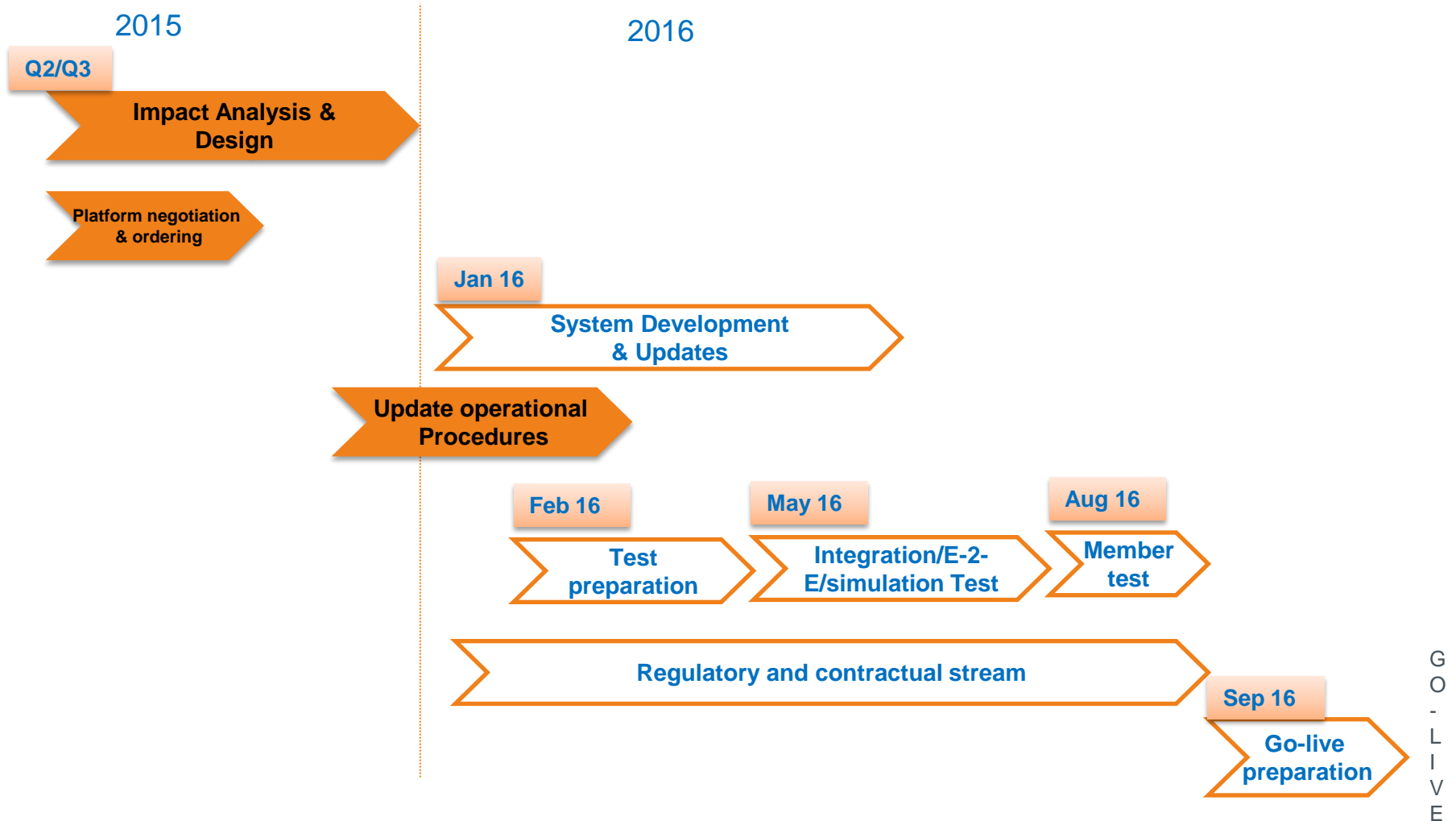
- Modification of technical features
  - Improved pro rate => FCFS
  - Allocated = Nominated
  - Nomination on behalf
  - Neutralisation time of 1 hour instead of 2 hours
  - 12 Gates => 24 Gates
  
- Access towards ICS-platform : Registration procedure for access to « Intraday Capacity Service » (ICS) platform provided by DBAG. (<https://www.intraday-capacity.com/>) will be organized by DBAG
  
- Authorization procedure to be completed by market participant in order for TSOs to nominate on behalf will be organized by RTE
  
- Update of IFB – rules will be available on website of both TSOs

# Quick Wins step 2 – SEPT 2016



\* Subject to outcome of the CREG/CRE consultation

# Quick Wins step 2 – High Level Planning





## Changes for the members for Quick Win Step 2 for the BE-FR and BE-NL border.

- For the BE-NL border: change from the Eurolight Trading System to the M7 release 4.2 Trading System.
- Change from explicit capacity allocation to implicit capacity allocation on the BE-FR border using the same platforms as for the BE-NL border.
- Introduction of ICS 9.4 platform for the TSOs to enable implicit allocation for BE-NL and BE-FR borders through a common platform
- Coupling of the BE and NL market with the EPEX markets in France and Germany, Austria, Switzerland.
- No contractual changes for members are foreseen at this stage when switching to these new systems.



## Quick Wins step 2 – next steps

- In order to smooth the implementation
- Timely communication to market parties regarding process adaptations and changes will be organized
- Possibility of testing will be organized and announced in due time

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## LIP 6 (BE-NL)

Tjitske Kramer

User Group Meeting

26 January 2016

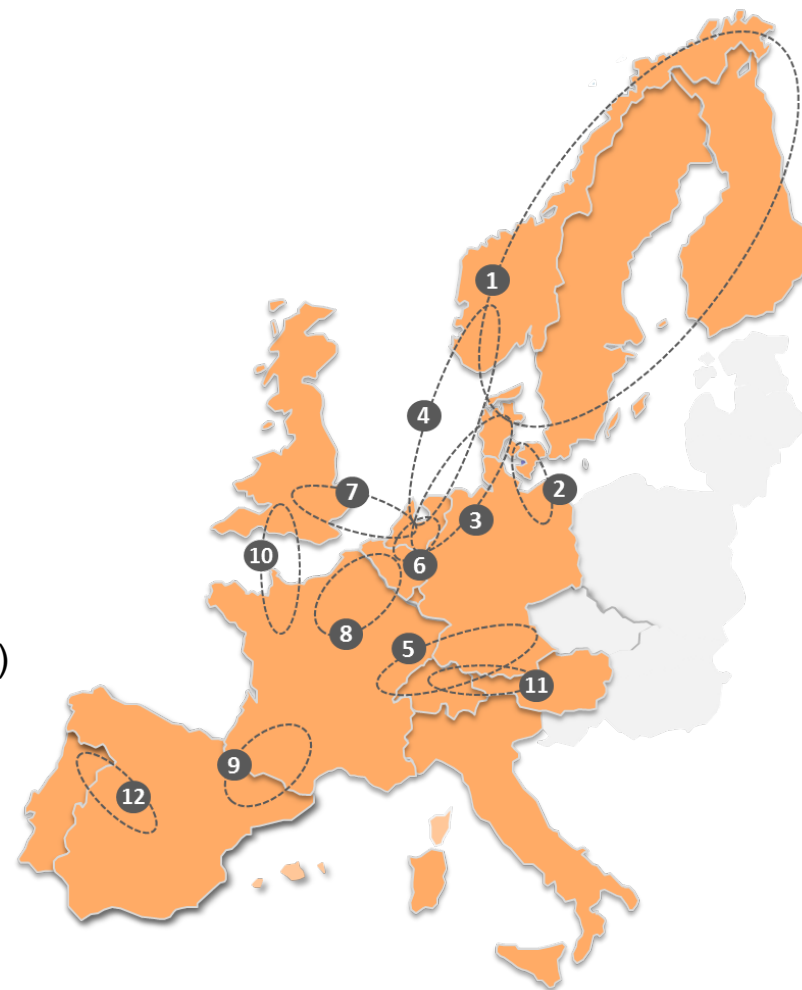


## **LIP 6 BE-NL**

- 1. Information regarding the project**
- 2. Where do we stand today**
- 3. What is planned in 2016**
- 4. What are the changes for the members**

## LIP 6 BE – NL: Overview

- Parties involved are TenneT NV, ELIA, APX/EPEX.
- Parties have setup a project organization
- The XBID implementation for the BE-NL border will be done in a 2 step approach:
  - 1. Quick Win implementation (see other presentation)
  - 2. XBID Target Solution implementation (LIP 6)
- In 2015 parties have started the work on both the quick win implementation as well as the work for the implementation of the target solution.



## LIP 6 BE – NL: Where do we stand today

### ➤ DESIGN

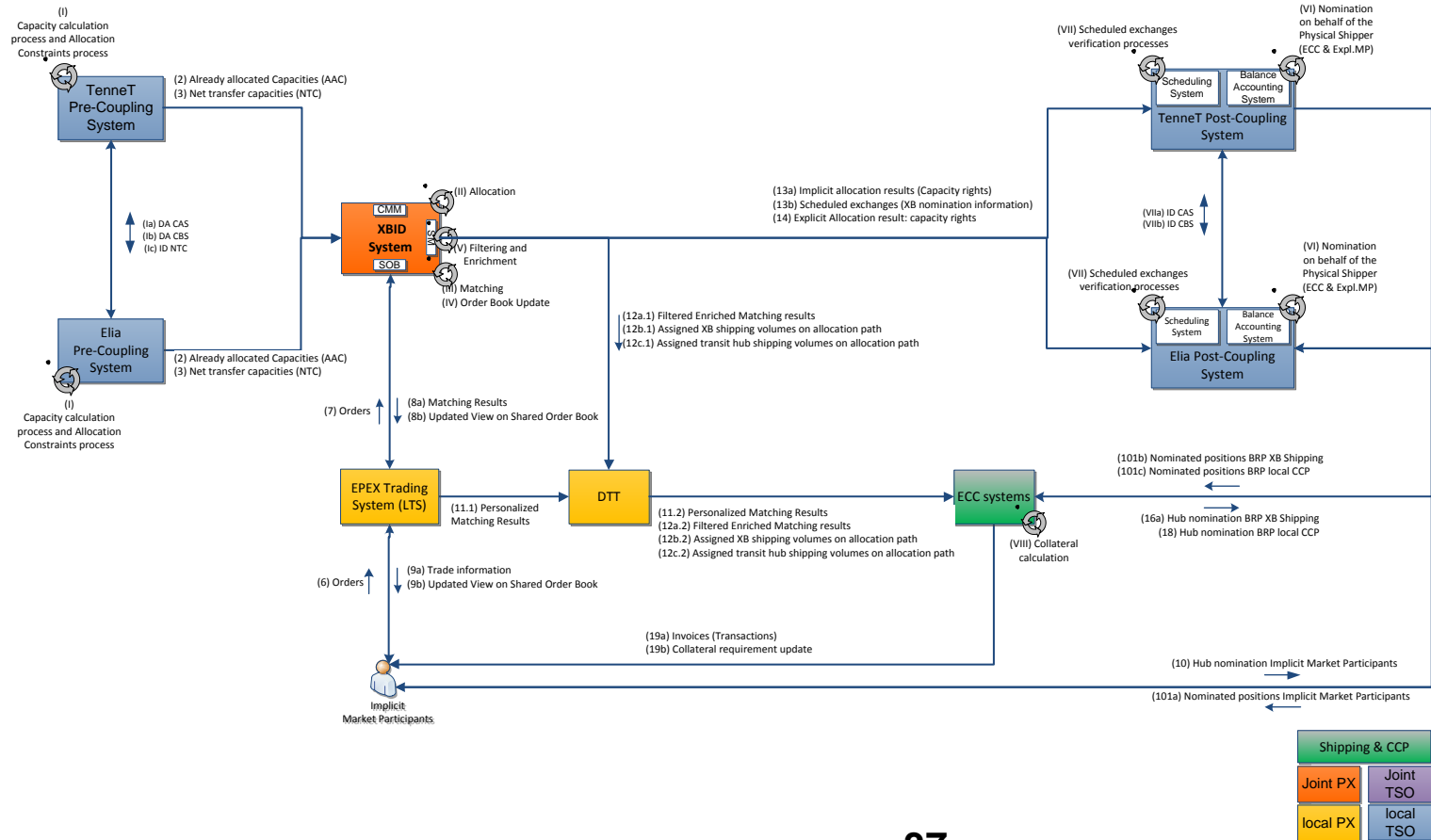
- Most of the design work has been finalized. The design work with regards to the Shipping Module is still ongoing, since the functional specifications for the Shipping Module were finalized just before Christmas.
- Parties have agreed on the High Level Architecture and business processes for the XBID implementation
- A first assessment has been done to identify the procedural changes.

### ➤ DEVELOPMENT

- Parties have started internally the development process of the necessary interfaces and system changes required to implement the XBID Target Solution.

# LIP 6 BE-NL – High Level Architecture

## XBID - High Level Architecture BE-NL Local Implementation Project Version d.d. 14-Jan-2016



## LIP 6 BE – NL: What is planned in 2016

### ➤ DESIGN

- Finalization of the specifications of the changes necessary to connect to the Shipping Module. This is both on TSO and PX side.
- Work out the LIP6 border specific procedural changes in parallel with the procedural work on central level.

### ➤ DEVELOPMENT

- Continue the development of the necessary interfaces and system changes required to implement the XBID Target Solution.
- It is targeted to have all development ready latest in Q3 of 2016

### ➤ TESTING

- Parties aim to test all changes to systems and interfaces commonly in Q4 2016 and Q1 2017

### ➤ REGULATORY /CONTRACTUAL WORK

- Do the necessary preparation to have all regulatory approvals in place early 2017
- Prepare and work out the border specific contractual frame amongst the parties in parallel with the contractual discussions on central level

## LIP 6 BE – NL: What are the changes for the members

- When implementing the LIP 6 in 2017 the quick win implementation has already taken place (targeted September 2016)
- The parties expect more changes for the members when implementing the quick wins than when implementing the LIP. The quick win implementation includes a change of Trading System for the members, which is not the case when implementing the LIP for this border.
- Testing with the members for the BE-NL border for the LIP implementation will take place in 2017.
- The LIP 6 BE-NL is intended to be ready for go-live in accordance with the overall XBID planning. Work is on schedule so far.

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# XBID

## Local Implementation Project

### #8

Belgium-France

Nicolas Thierry

# Overview

4 participating members :

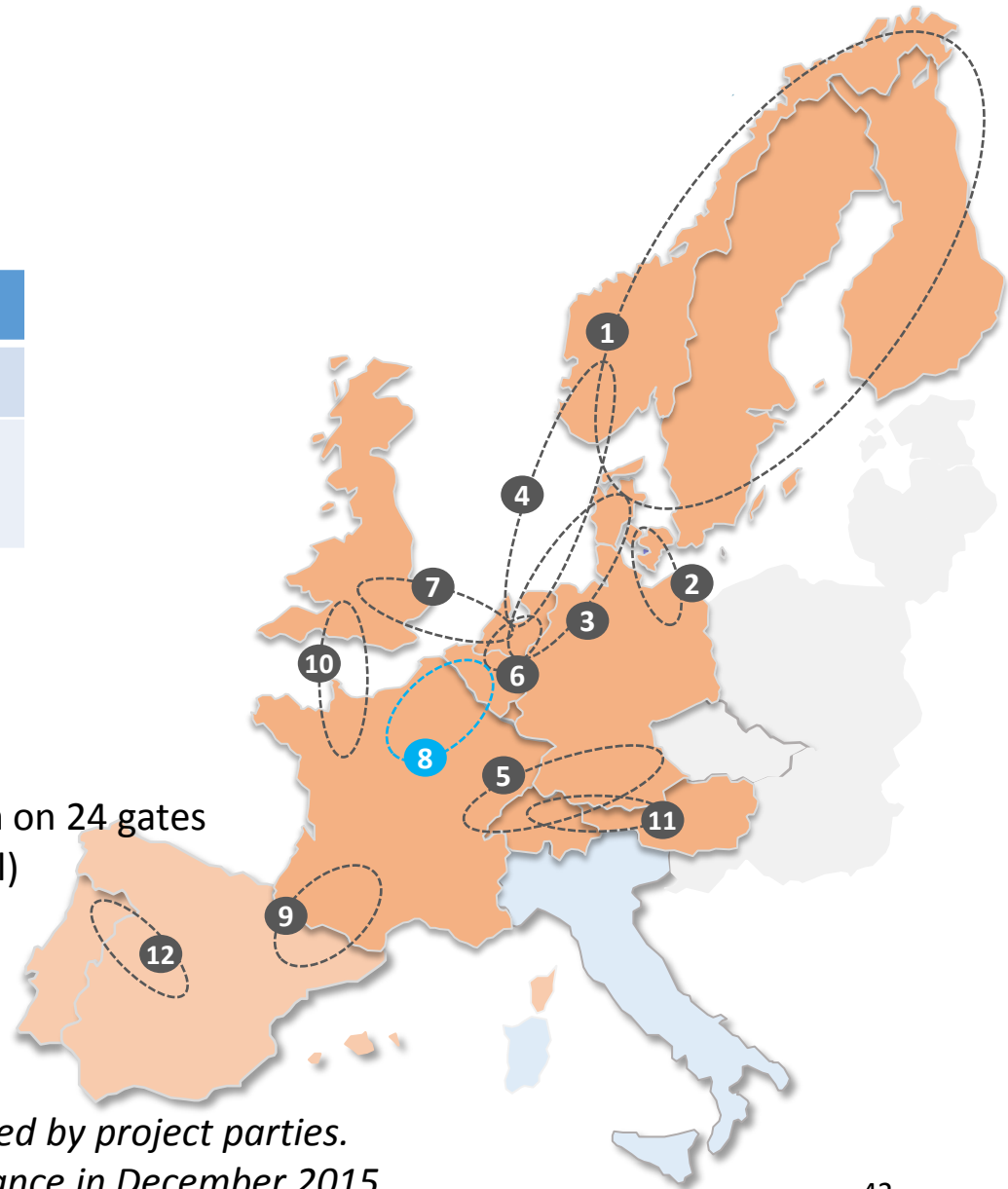
Country	TSO	NEMO
Belgium	Elia	APX-Belpex-EPEX
France	RTE	APX-Belpex-EPEX Nord Pool Spot

Existing Intra-Day allocation:

- FR-BE: Pro-rata allocations on 12 gates

Target model :

- First Come First Served Implicit allocation on 24 gates  
(tbc: explicit access to the capacity in parallel)



*Until now, the Local Project is jointly managed by project parties.  
Nord Pool Spot was designated NEMO in France in December 2015.*

# Scale of impact

Analysis	Status	Content / changes
<b>Technical</b>	Ongoing (expected: <b>medium</b> )	Local Trading Solution (PXs) Capacity Calculation Allocation & Scheduling Systems
<b>Operational</b>	Ongoing ( <b>minor</b> )	Implementation & internal procedures
<b>Contractual</b>	Ongoing (expected: <b>minor</b> )	Participation contracts (on each TSO side) IFB rules (common) & Operational Agreement
<b>Regulatory</b>	Ongoing (expected: <b>minor</b> )	IFB rules submission for approval

## Specific points:

- Project's scope will be modified (and eased) by the on-going « Quick wins » on the borders BE-FR and BE-NL.
- Mandatory lead-time for approval will have to be anticipated.
- Market Parties will be informed as soon as possible by PXs & TSOs.

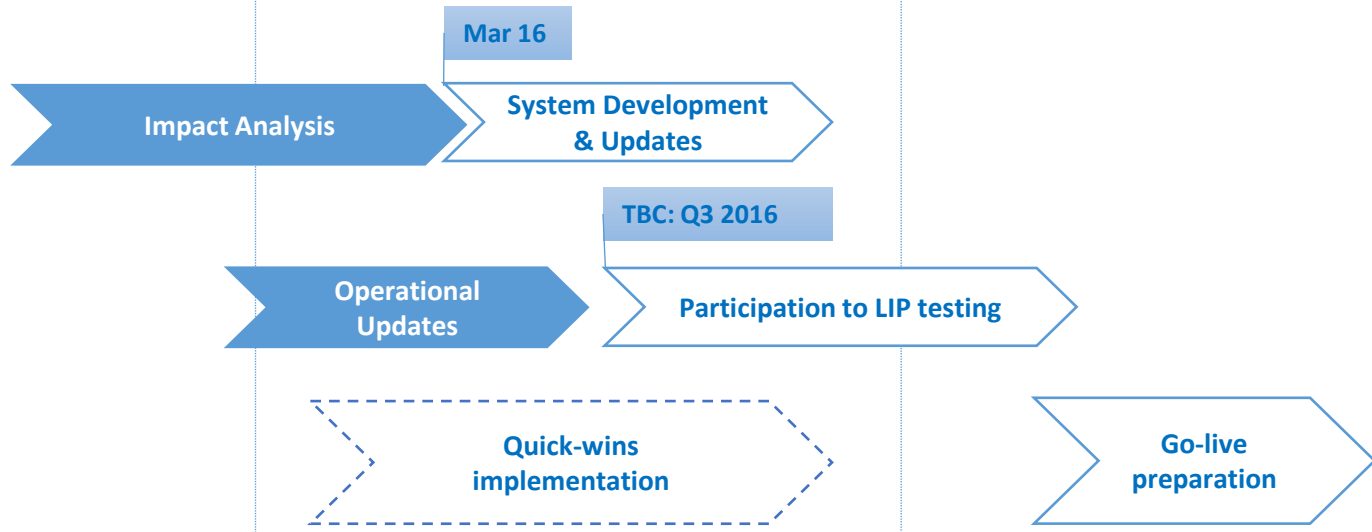
# Planning

2015

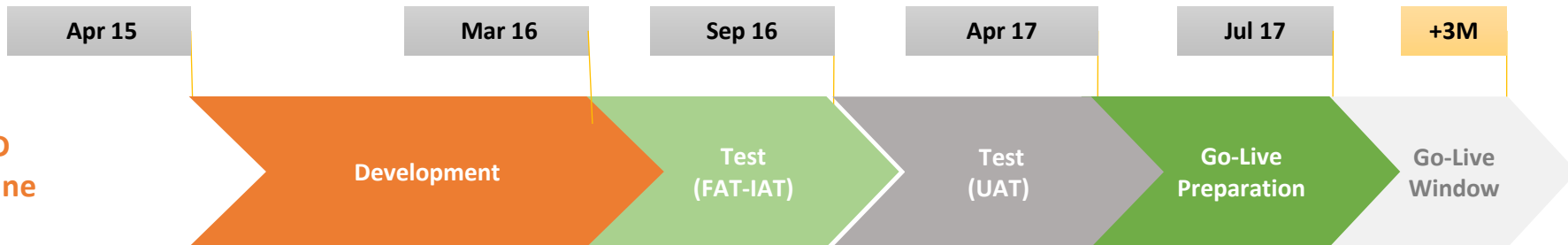
2016

2017

LIP 8  
Timeline



XBID  
Timeline



# Summary & Key Points

Challenges	Risks
Detailed participation to LIP testing and testing with Market Parties has yet to be defined.	Timeline management.
Definition of the complete target model subject to regulatory approval.	Clear communication on the multiple intermediary steps before the go-live.
Synchronisation with Quick-wins implementation.	

Does LIP 8 plan to go live along with XBID Solution ?

- Yes, the current assumption is to be in line with XBID delivery date.

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XBID  
Local Implementation Project  
#5 (+11)

Austria-France-Germany-Switzerland

Nicolas Thierry

# Overview

8 participating members :

Country	TSO	NEMO*
Austria	APG	EPEX SPOT Nord Pool Spot
France	RTE	
Germany	Amprion TenneT DE TransnetBW	
Switzerland	Swissgrid	

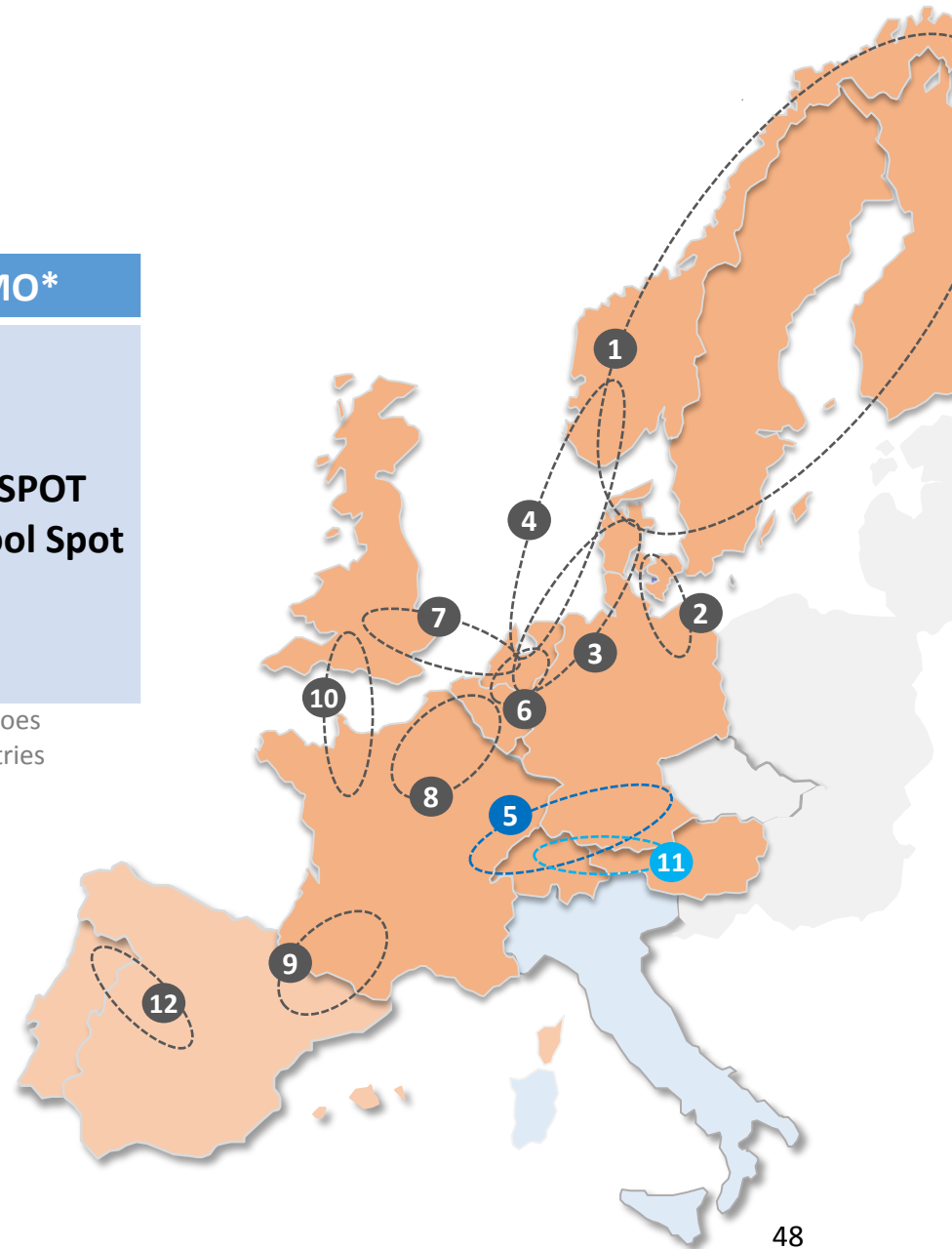
\* The list of NEMOs represents the participating NEMOs in the LIP and does not reflect the exact status of NEMO designation in the respective countries

## Existing Intra-Day allocations:

- **LIP 5:** Implicit Continuous Allocation based on First Come First Served Principle, Obligatory usage, Implicit & Explicit, Hourly Products (all borders), 30 Min (CH-FR, FR-DE), 15 Min (CH-DE, DE-AT)
- **LIP 11 (CH-AT):** Continuous explicit Allocation based on First Come First Served Principle

## Target model :

- Implicit Continuous allocation  
(tbc: explicit access to the capacity in parallel)





# Scale of impact

Analysis	Status	Content / changes
<b>Technical</b>	Ongoing (expected: <b>medium</b> )	Local Trading Solution (PXs) Pre-and Post-Coupling systems, e.g. scheduling (TSO)
<b>Operational</b>	Ongoing (expected: minor)	Implementation & internal procedures
<b>Contractual</b>	Ongoing (expected: <b>medium</b> )	Minor adjustment on Market Rules Contractual architecture to be analysed based on XBID contractual arrangements.
<b>Regulatory</b>	Ongoing (expected: minor)	

## Specific points:

- Non-regression testing phase and go-live procedures.
- Additional analysis effort for AT-CH border due to different starting position

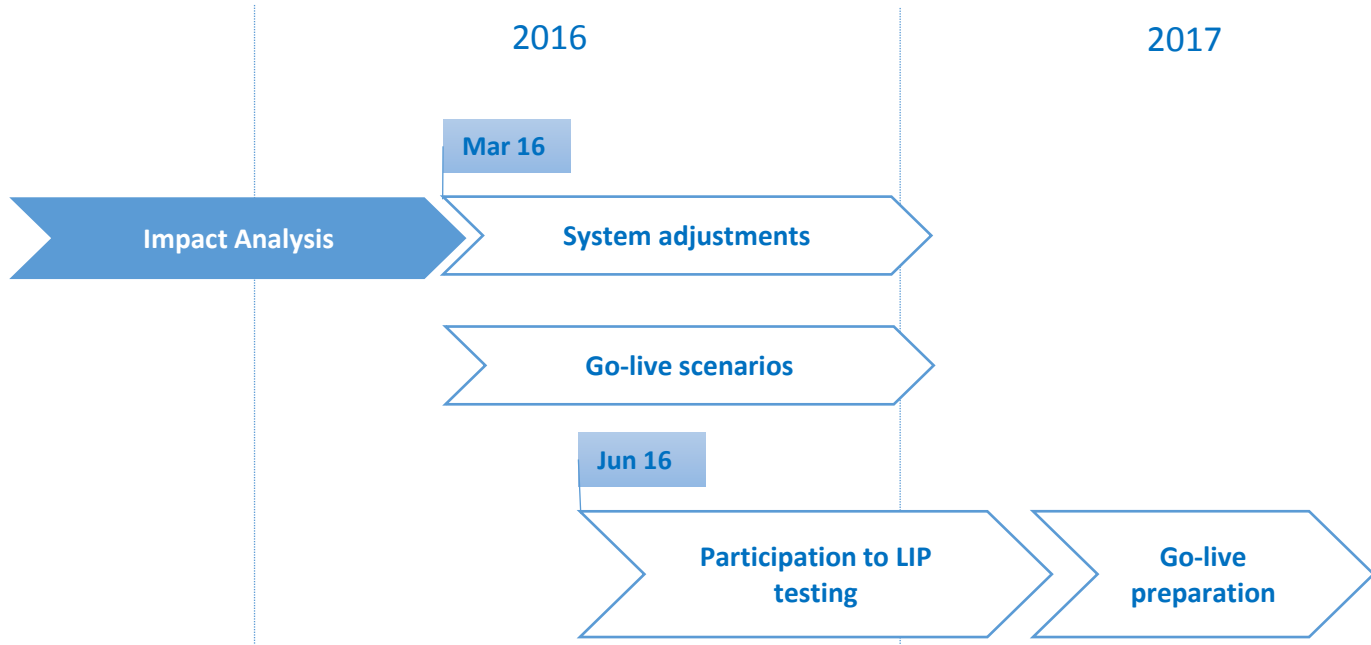
# Planning

2015

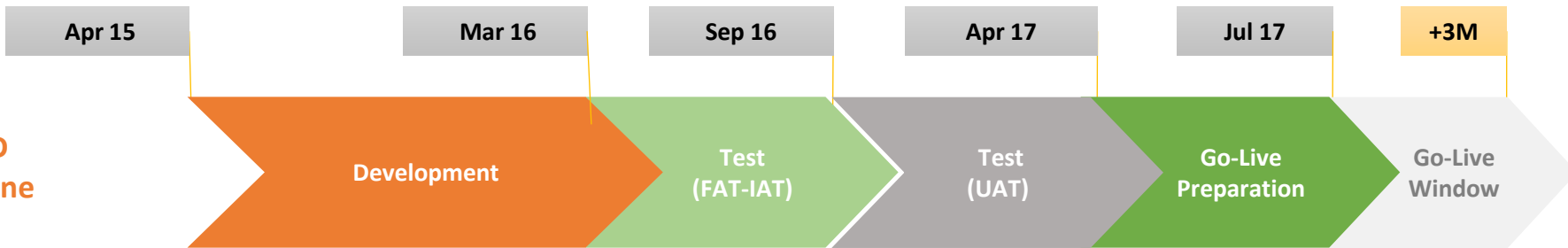
2016

2017

LIP  
Timeline



XBID  
Timeline



# Summary & Key Points

Challenges	Risks
Detailed participation to LIP testing and non regression testing has yet to be defined.	
Go-live strategy to be discussed (one shot or per border? Rollback possibilities?).	Timeline management.
Cost sharing and cost recovery based on CACM (potentially new approach than in the past).	Swissgrid unable to join the target model.

Do LIPs 5&11 plan to go live along with XBID Solution ?

Yes, the current assumption is to be in line with XBID delivery date.

If no delay on AT-CH border, it will be integrated into LIP5.

## **Agenda morning session**

- 2. Project Status Overview and follow ups from last UG**
- 3. Quick wins Belgian borders**
- 4. LIP 6 (BE-NL)**
- 5. LIP 8 (BE-FR)**
- 6. LIP 5&11 (FR-DE, DE-CH, FR-CH, AT-DE, AT-CH)**
- 7. LIP 3 (DE-DK, DE-NL)**
- 8. Q & A session**

## LIP 3: NL-DE-DK

### User Group Meeting

Brussels: 26<sup>th</sup> of January 2016  
Katja Birr-Pedersen (Energinet.dk)



# 1. Overview LIP organisation

## Participating TSOs:

EnDK, TenneT NL, TenneT DE, Amprion

## Participating PXs:

EPEX, APX/Belpex, NPS

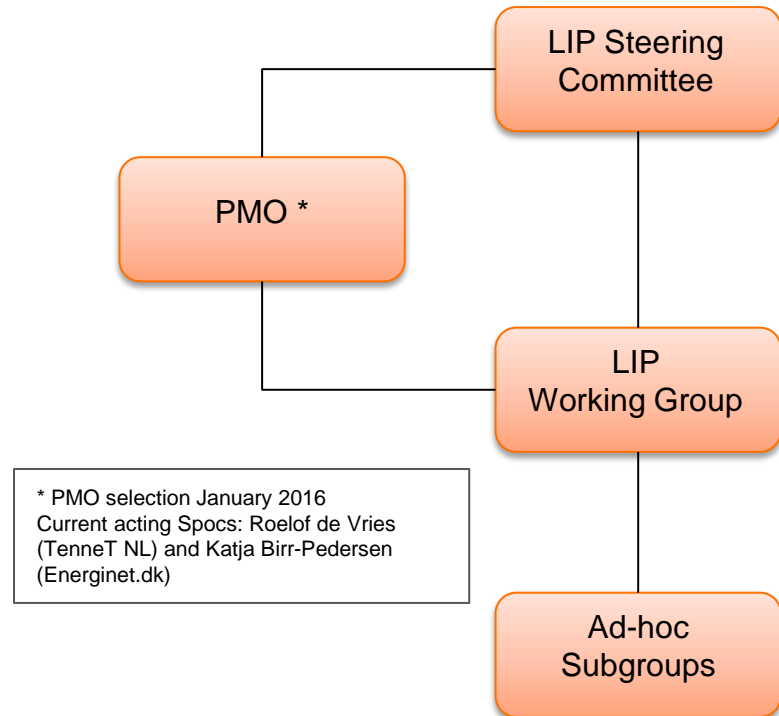
## Existing Intra-Day allocations:

- First Come First Served explicit access to the capacity

## Target model :

- Implicit continuous trade (tbc: explicit access to the capacity in parallel)

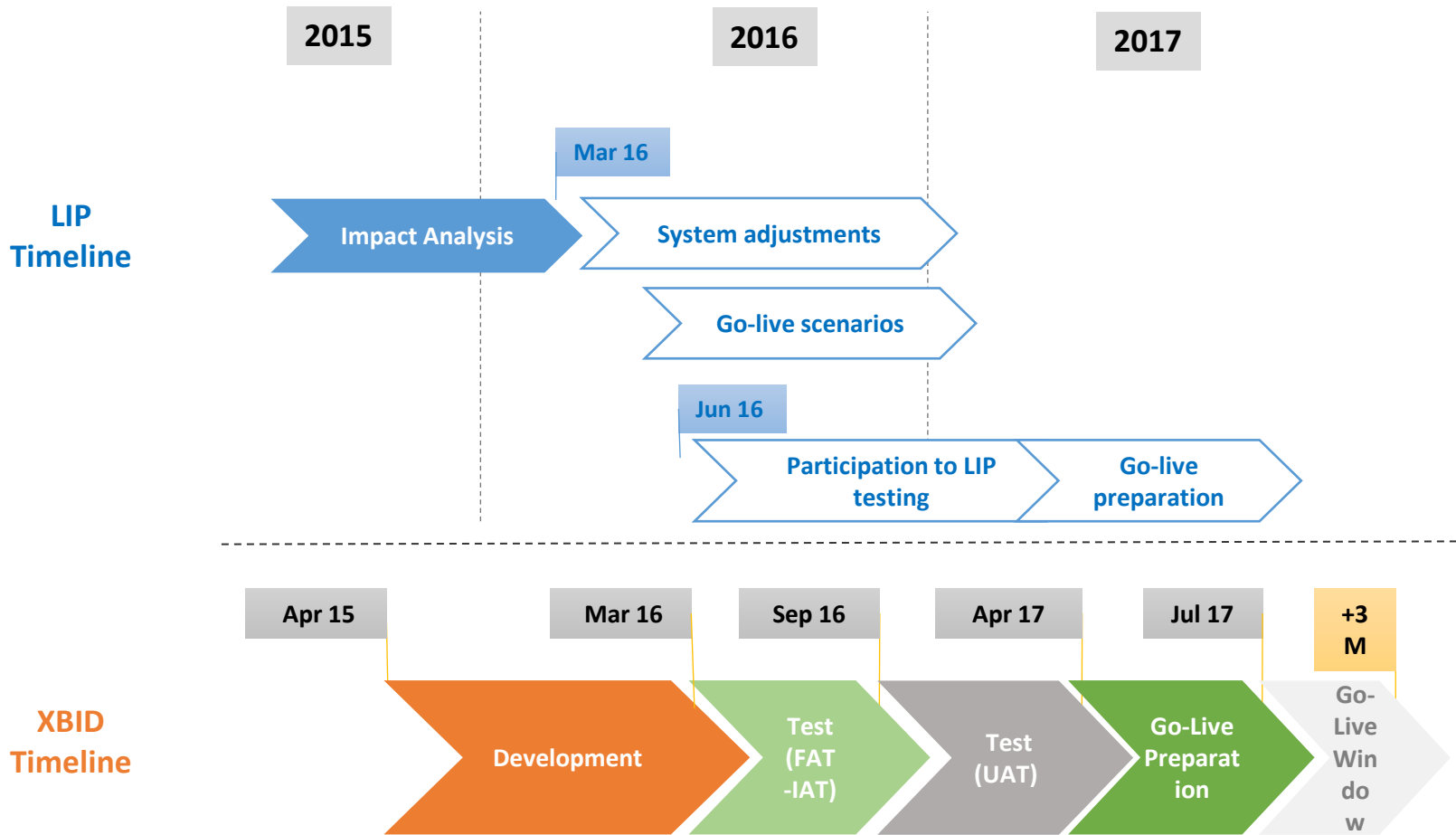
## Organizational setup



## 2. Scale of impact

Analysis	Status	Content / changes
<b>Technical</b>	Ongoing (expected: medium)	Local Trading Solution (PXs) Pre-post coupling systems TSOs)
<b>Operational</b>	Ongoing (expected: minor)	Implementation & internal procedures
<b>Contractual</b>	Ongoing (expected: medium)	Minor adjustment on Market Rules Contractual architecture to be analysed based on XBID contractual arrangements.
<b>Regulatory</b>	Ongoing (expected: minor)	Explicit allocation under discussion on the regulator level

# 3. Planning





## 4. Summary and key points

### Challenges

Detailed participation to LIP testing and non regression testing has yet to be defined.

Go-live strategy to be discussed (one shot or per border).

Cost sharing and cost recovery based on CACM (potentially new approach than in the past)



**Does LIP 3 plan to go live along with XBID Solution ?**

Yes, the current assumption is to be in line with XBID delivery date.

## **Agenda morning session**

- 2. Project Status Overview and follow ups from last UG**
- 3. Quick wins Belgian borders**
- 4. LIP 6 (BE-NL)**
- 5. LIP 8 (BE-FR)**
- 6. LIP 5&11 (FR-DE, DE-CH, FR-CH, AT-DE, AT-CH)**
- 7. LIP 3 (DE-DK, DE-NL)**
- 8. Q & A session**

## Q & A session



## Questions received from UG member via email

- 1) How the order in which various LIPs are going to progress will be decided?  
And how you are going to ensure an appropriate experience sharing between those different projects?
- 2) Could you outline the details of stakeholders' involvement in the algorithm elaboration process?

**Lunch break**  
**12:35-13:15**

## **Agenda afternoon session**

### **9. Accession Stream for non-NWE+ parties**

**10. LIP 1 (Nordic internal borders)**

**11. LIP 2 (Kontek)**

**12. LIP 9&12 (FR-ES, ES-PT)**

**13. Q & A session**

**14. LIP 7 (BritNed)**

**15. LIP 10 (IFA)**

**16. LIP 4 (NorNed)**

**17. User Group perspectives on XBID Project (e.g. LIP roadmap)**

**18. Closing remarks, reflections on the day**

# Accession Stream for non-NWE+ parties

**Mark Pickles**  
TSO Project Manager

## 1. Context

- It is important, in line with CACM regulations, that non-NWE+ parties are able to prepare for the implementation of XBID in their own geographic areas.
- Recognising the current status of the project (Development phase underway, hardware ordered etc.) and in order not to delay the existing planned go-live it has been proposed that an Accession Stream is established for the accession of all non-NWE+ parties
  - This Accession stream will work to achieve, in collaboration with DBAG, the earliest possible implementation of XBID across Non-NWE+ Europe without impacting delivery of the current plan for implementation of the XBID solution to NWE+
- The XBID project made a submission to the European Commission on the creation of this Accession Stream for formal confirmation that the recommended approach is in line with the CACM regulations and complies with Competition Law
  - Confirmation was received from the EC on 16<sup>th</sup> November
- It is important to prepare for the Accession Stream by means of an Elaboration phase and the XBID Project Parties have asked the NRAs for a budget adjustment to cover these costs
- The XBID Co-Chairs wrote to the Non-NWE+ parties (both NEMOs and TSOs) on 18<sup>th</sup> December inviting them to join the Accession Stream



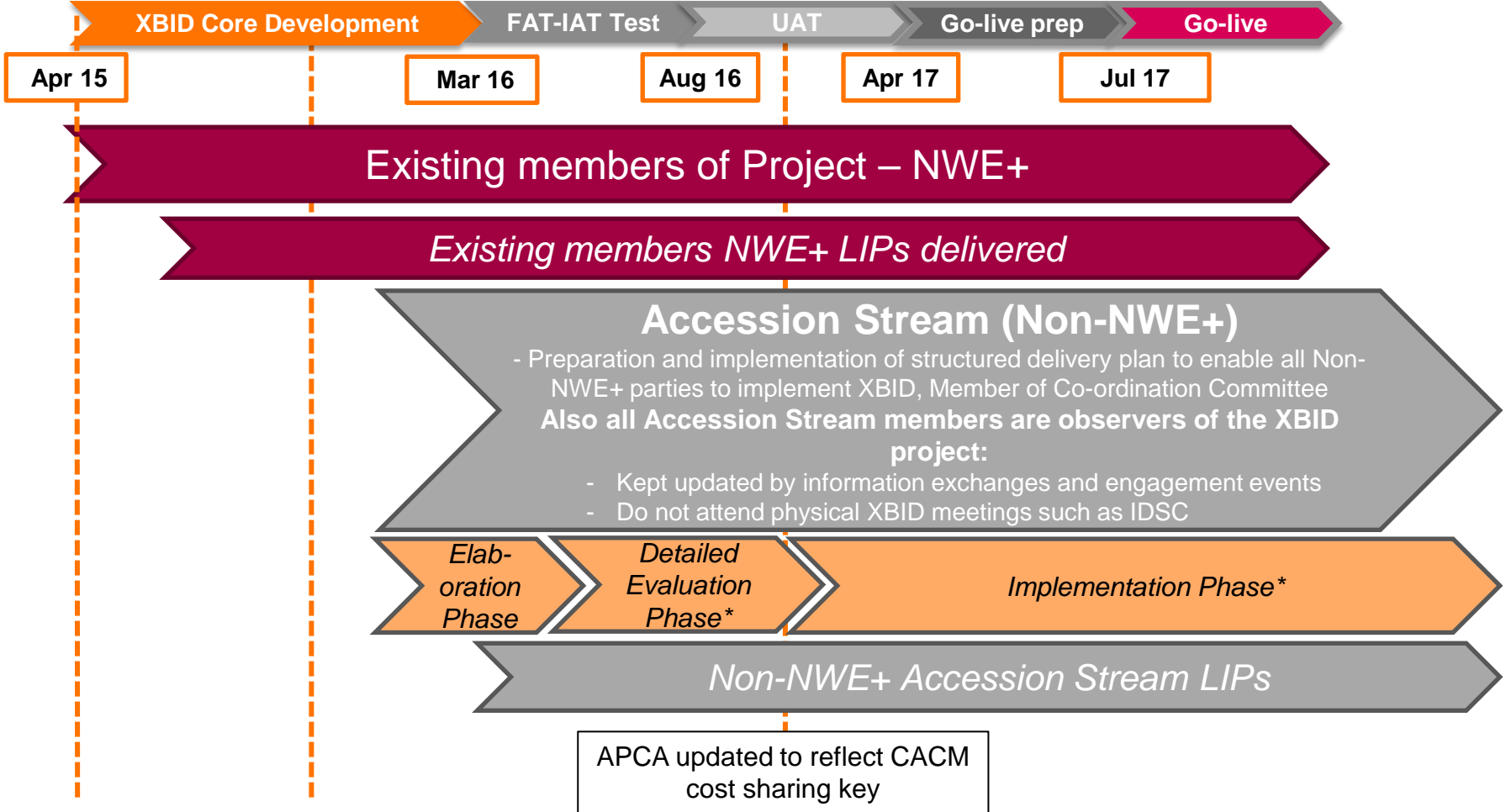
## 2. Plan for Accession of Non NWE+ parties to XBID

ACER Letter of  
Cost comfort  
1/4/15

CACM enters  
Into force  
14/8/15

CACM +14  
months  
14/10/16

XBID Go-live  
window  
Jul-Sep 17



\*Timings to be confirmed

### 3. Next steps for Accession Stream

- Non-NWE+ parties are responding to invitation to join the Accession Stream
- By end February 2016:
  - Appointment of Project Manager for Accession Stream
  - Management event held for parties joining Accession
  - Scope defined and agreed for Elaboration Phase
  - NRAs confirm budget adjustment for commencement of Accession Stream
  - Elaboration Phase mobilised covering, for example:
    - Design and establish governance, sponsorship and decision making processes
    - Identify and scope all aspects that need to be considered to deliver the Accession Stream (e.g., information needed from non-NWE+ parties, performance, XBID (CMM/SOB/SM) architecture design and development model, communication channels, forecasts/scenarios for Intraday growth in non-NWE+, knowledge transfer, regional groupings/LIPs, CACM, APCA, cost recovery, contractual aspects, testing, security, etc.)
    - Develop project plan and budget for following phase – Detailed Evaluation Phase (DEP)
    - Design reporting (progress, risks, issues etc.) structure
    - Design, prepare and deliver the first and second physical XBID Induction/Engagement Events for non-NWE+ parties
    - Collating input from non-NWE+ parties

**Q & A**



## **Agenda afternoon session**

**9. Accession Stream for non-NWE+ parties**

**10. LIP 1 (Nordic internal borders)**

**11. LIP 2 (Kontek)**

**12. LIP 9&12 (FR-ES, ES-PT)**

**13. Q & A session**

**14. LIP 7 (BritNed)**

**15. LIP 10 (IFA)**

**16. LIP 4 (NorNed)**

**17. User Group perspectives on XBID Project (e.g. LIP roadmap)**

**18. Closing remarks, reflections on the day**

# LIP 1: Nordic LIP

## User Group Meeting

Brussels: 26<sup>th</sup> of January 2016  
Jan Rönnback



## Content

1. Introduction to the XBID Nordic LIP
2. High Level Project planning LIP 1
3. Current Status of the Project
4. Agreed High Level Architecture
5. Focus Activities 2016
6. Key changes to be implemented
7. Impact for the market parties
8. Questions/Answers

## 1. Introduction to the XBID Nordic LIP

### Participants

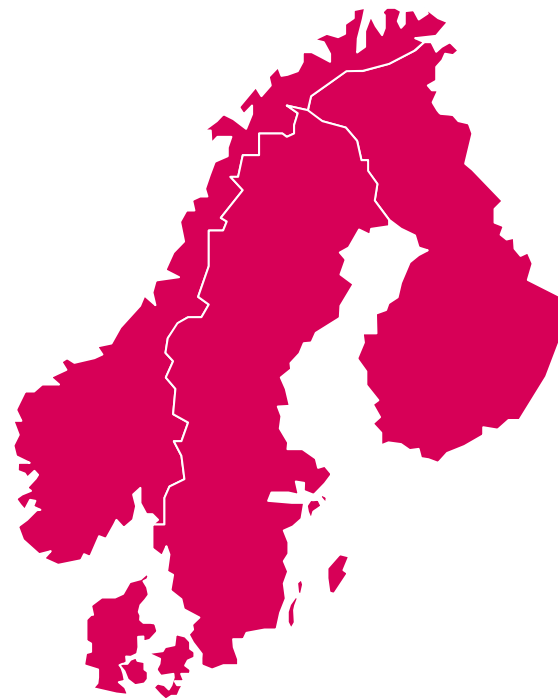
- Statnett
  - Energinet.DK
  - Fingrid
  - Svenska Kraftnät
  - Nord Pool
- Spoc Jan Rönnback

### Scope and goals

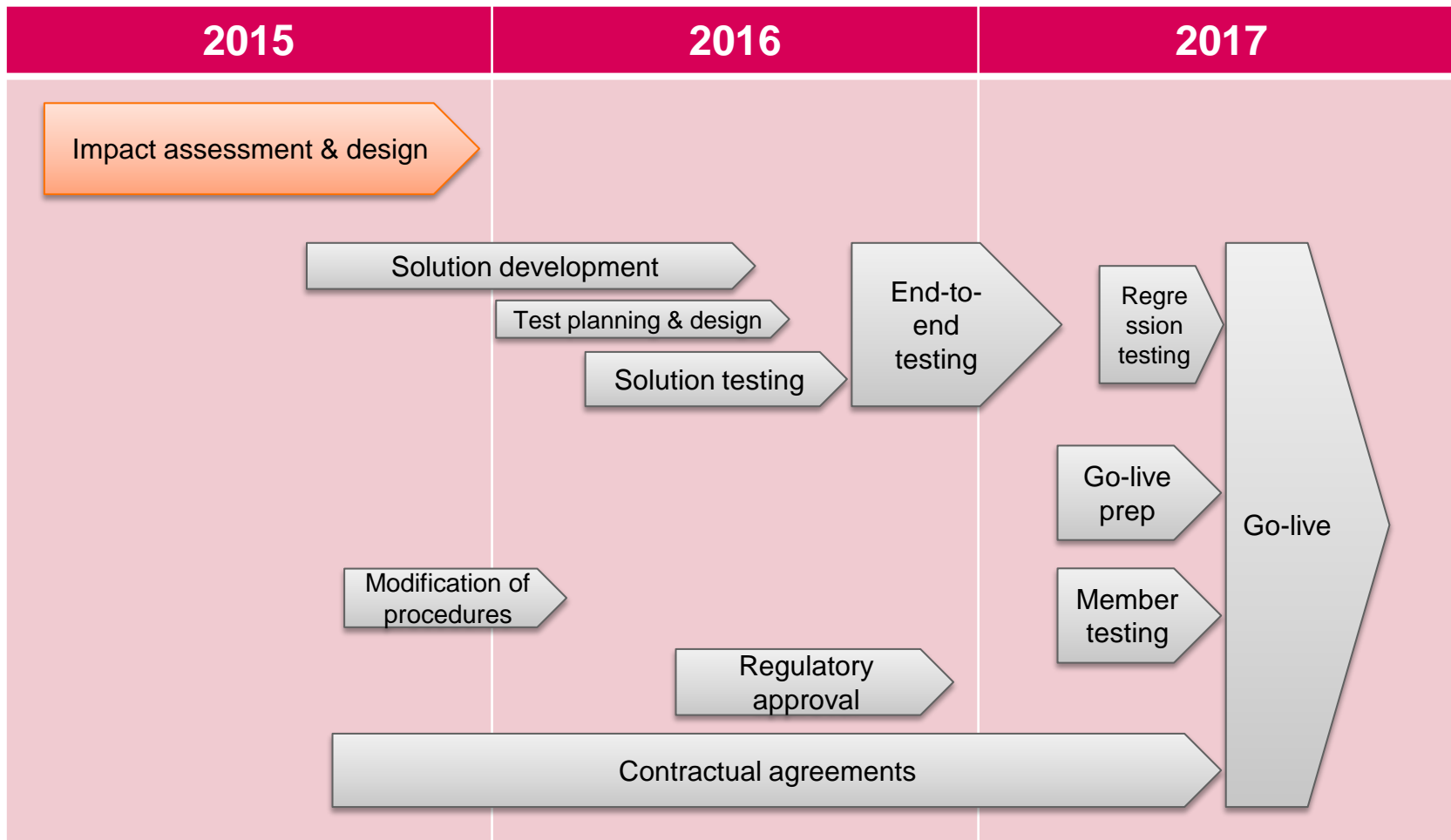
**Implement** XBID for all Nordic interconnectors and areas:

- 4 countries
- 12 scheduling areas
- 13 interconnectors

**Go-Live** at the same time as XBID



## 2. High Level Project Planning Nordic LIP





### 3. Current Status of the Project

**Project Governance** set up (Project organization, assignment of SPOCs per party, LIP SPOC, Project contract, meeting scheme).

**The High Level Architecture (HLA)** for XBID Nordic LIP was finalized and agreed amongst project partners during Autumn 2015.

The project parties have **designed the local solutions** and allocated development resources.

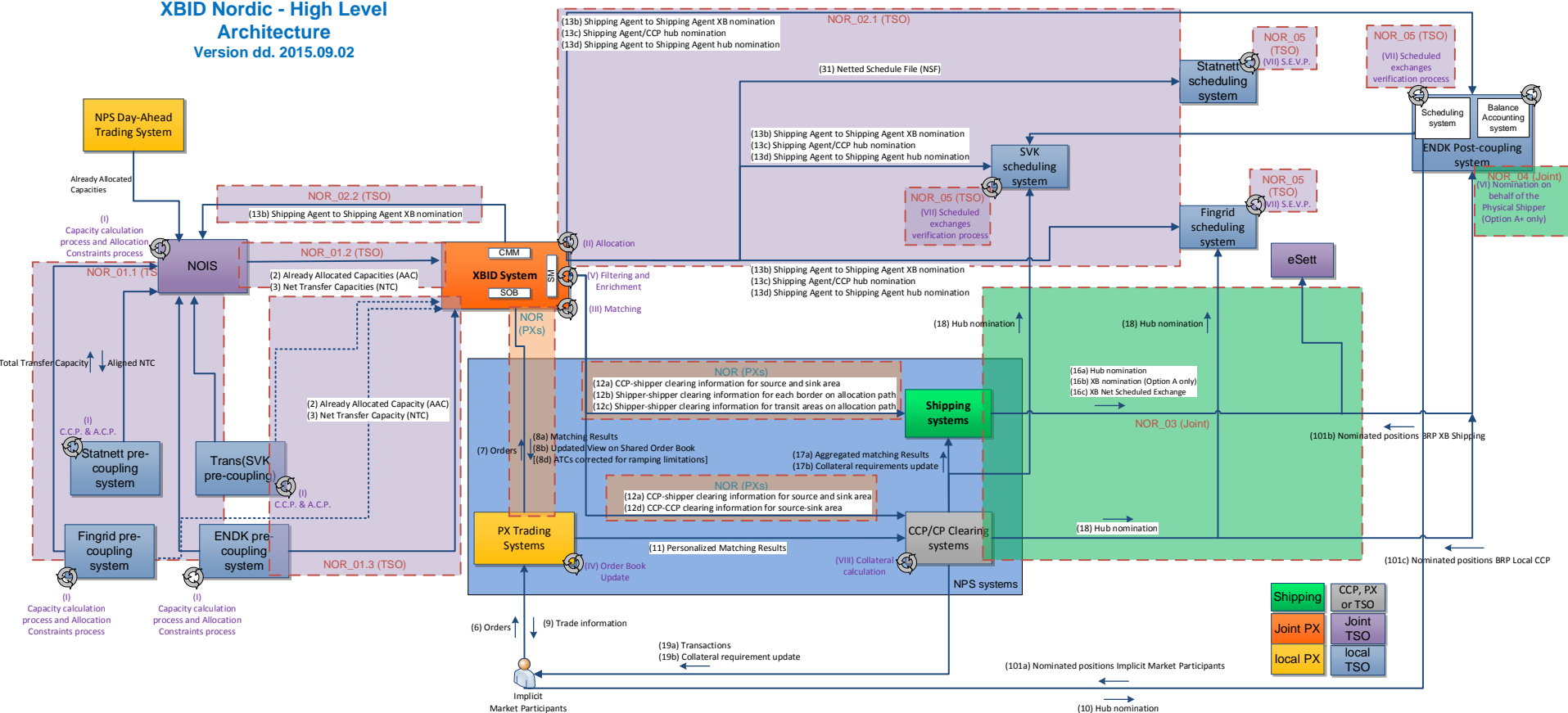
**Local** procedures have been identified and the work on writing them has started.

A **test plan** has been created and the first scenarios are identified.

**Progress** is being monitored in bi-weekly status meetings.

# 4. Agreed High Level Architecture

**XBID Nordic - High Level Architecture**  
Version dd. 2015.09.02



## 5. Focus Activities 2016

### Systems

- **Develop and test** the local systems according to the HLA
- **Identify and prepare** relevant end-to-end test scenarios based on the HLA

### Operational & legal

- Finalise work on **local procedures** to be tested in end-to-end scenarios
- Start work on the **operational agreement**
- Start **regulatory** approval process

## 6. Key changes to be implemented

### Systems

- Modify the **common TSO NOIS system** for data exchange with XBID CMM
- Modify **TSO pre- and post-coupling systems** for data exchange according to the defined HLA
- Adapt **Nord Pool intraday trading platform** for data exchange with XBID SOB
- Adapt **Nord Pool shipping platform** for data exchange with XBID SOB and TSO post-coupling systems

### Operational & Legal

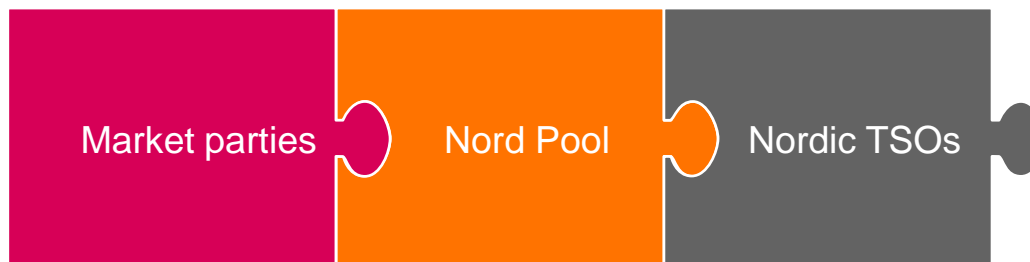
- New **intraday operational agreement** to be prepared
- Procedures to be adapted and amended based on the XBID solution and procedures
- NPS market rules will be subject to review due to XBID implementation

## 7. Impact and changes for the market parties

Market parties will through the shared orderbook gain access to all intraday liquidity at the PXs implementing the XBID solution

Market party facing changes are expected to be minor and will be communicated in due time

*Market parties will be invited to member testing by the Nordic LIP to ensure compatibility between all parties prior to go-live.*



## 8. Questions/Answers

## **Agenda afternoon session**

- 9. Accession Stream for non-NWE+ parties**
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- 17. User Group perspectives on XBID Project (e.g. LIP roadmap)**
- 18. Closing remarks, reflections on the day**



# Kontek LIP

Katja Birr-Pedersen (Energinet.dk)





# Overview Kontek LIP

## Geographical scope

- HVDC cable (600 MW excl. losses) between Denmark (DK2) and Germany (DE/AT) Bidding-Zones

## Existing ID solution in the area

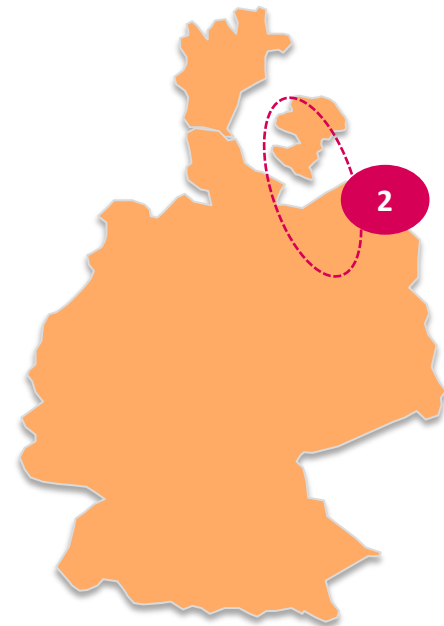
- Elbas: Operated by NordPool Spot
  - Continuous market with Gate opening at 14:00 at D-1 and Gate closure at H-60min

## Involved parties (TSO/PXs) in the project

- TSOs (50Hertz & Energinet.dk)
- Shipper (NordPool Spot)
- CCPs (NordPool Spot & ECC (EPEX Spot))
- Jan Rönback (NPS) is project manager

## Foreseen type of allocation

- Implicit only (as today in day-ahead and intraday)





# Foreseen changes

## Systems

- Kontek intraday capacity is provided to XBID CMM instead of ELBAS and is thus accessible for whole NWE+ intraday market => only minor changes on TSO side
- Possibility for more than one LTS operating on both sides of the interconnector => competition between different intraday trading platforms
- LTS's need to be adjusted to be able to connect to XBID SOB => major changes

## Rules and Contracts

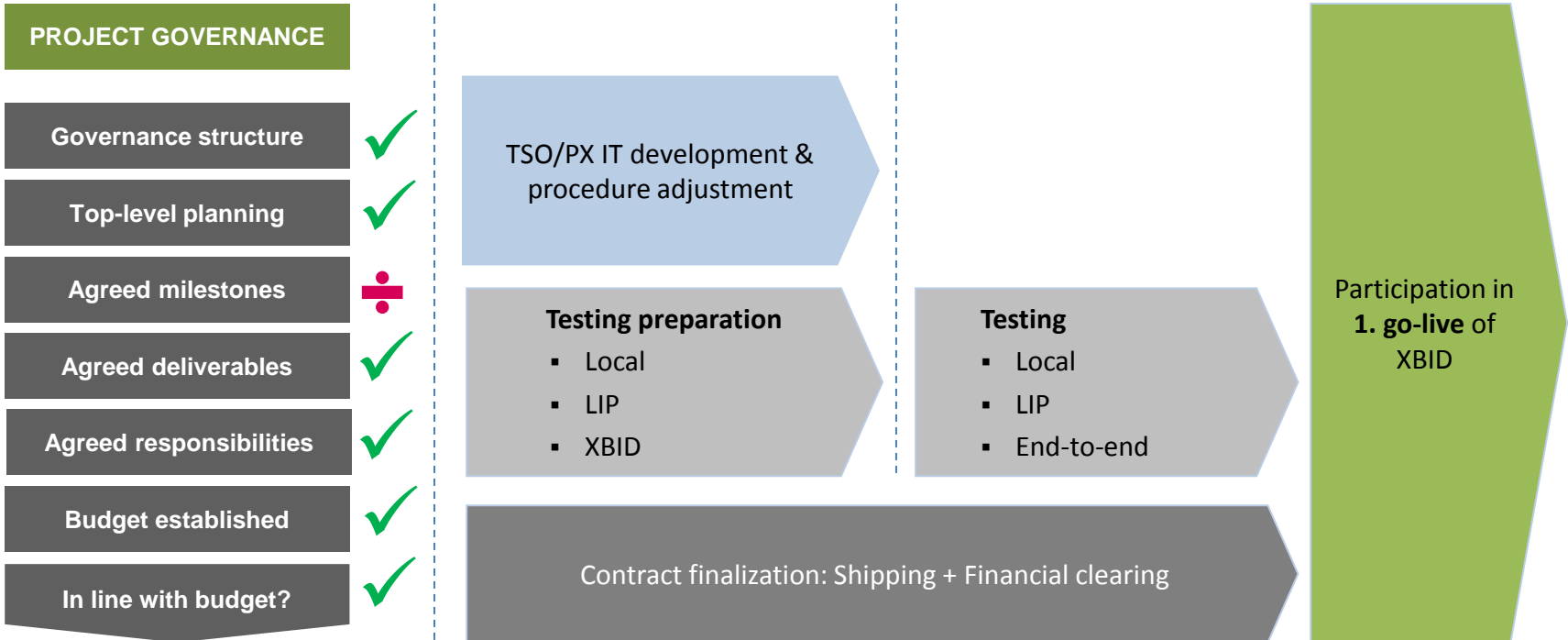
- TSO – Shipping Agent (CCP/s) Agreement
- CCPs financial clearing & settlement agreement
- Market rules will not be changed in light of XBID go-live

## Regulatory approvals

- Regulatory approvals will only be relevant for local implementation. No market relevant changes (Elbas → XBID) foreseen (i.e. no consultation needed).



# Timeplan towards go-live



## **Agenda afternoon session**

- 9. Accession Stream for non-NWE+ parties**
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- 18. Closing remarks, reflections on the day**

XBID  
Local Implementation  
Project  
#9+12

Portugal-Spain & Spain-France

Nicolas Thierry

# Overview

6 participating members :

Country	TSO	NEMO
France	RTE	EPEX SPOT Nord Pool Spot*
Spain	REE**	OMIE
Portugal	REN***	

LIP 9

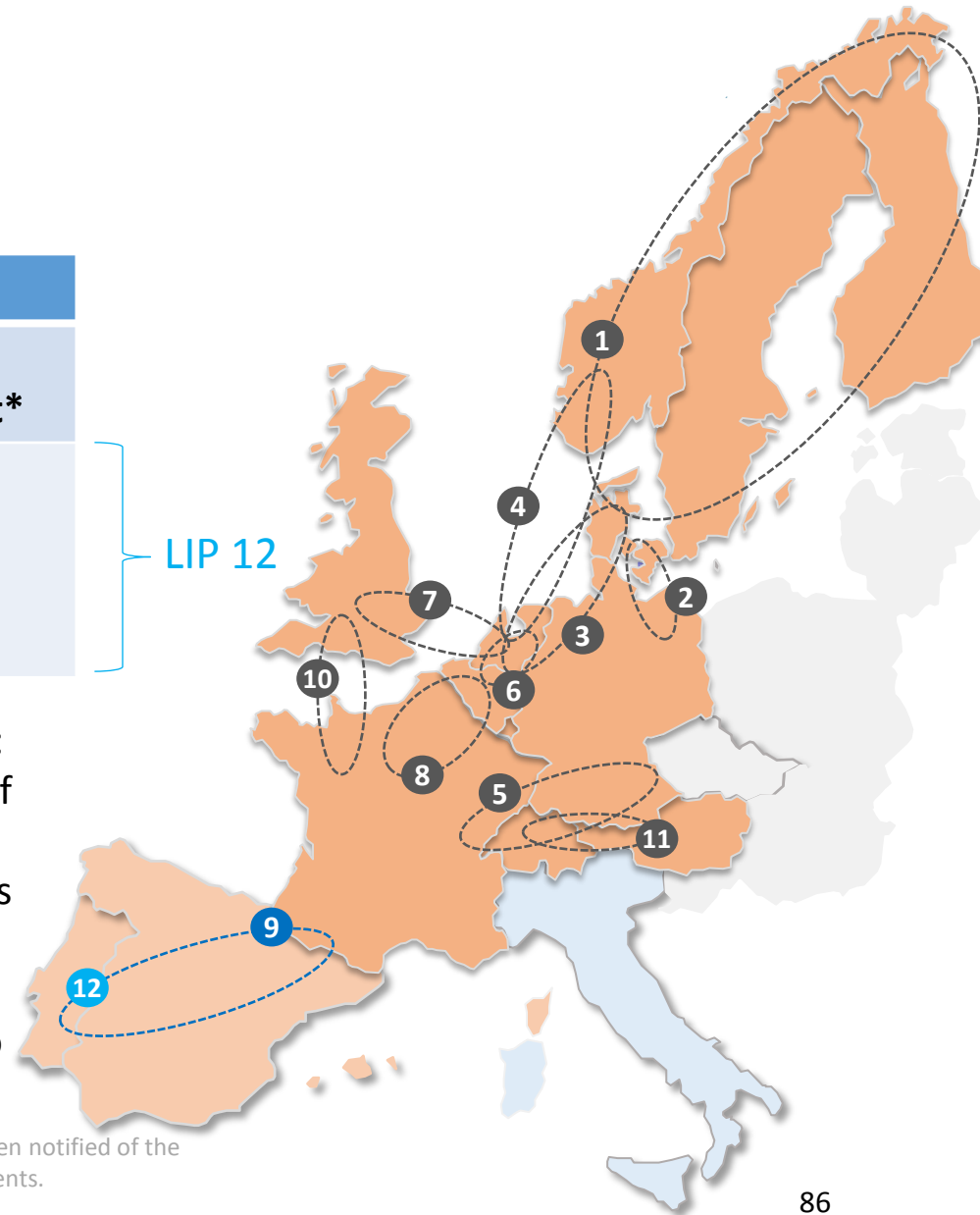
LIP 12

Existing Intra-Day capacity allocation mechanism:

- FR-ES : 2 Explicit Auctions (by REE on behalf of RTE and REE)
- PT-ES : 6 Sessions of Implicit IntraDay auctions (by OMIE)

Target model :

- Continuous intraday coupling allowing MPs to adjust positions after the Day-Ahead Market



\*Nord Pool Spot was designated NEMO in France in December 2015; NPS has been notified of the project in January, and, as it requested, will be kept informed of all its developments.

\*\* REE takes part in XBID Project as an observer

\*\*\* REN takes part in XBID Project as an observer through ENTSOE

# Status

High level impact assessment performed

Aspect	Impact	Content / changes
<b>Technical and Operational</b>	Medium / Major	Local Trading Solution (PXs) Scheduling System adjustments + new information exchanges (TSOs)
<b>Contractual</b>	Medium	XBID IDOA (new) SWE IDOA (new – to be confirmed) SLA DBAG (new) RTE-REE Coop. Agreement (update) Settlement link agreement OMIE-ECC (update)
<b>Regulatory</b>	Medium	Spanish CNMC Circular 2/2014 Annex of Spanish Royal Decree 2351/2004 (solution of technical constraints) Portuguese Regulation (RARI - Regulamento de Acesso às Redes e Interligações) French High Level Regulation Spanish Operational Procedures 3.1 FR-ES short-term allocation rules (IFE Rules) French I/E Rules Iberian Day Ahead and Intraday Market Rules Manual de Procedimentos da Gestão Global do Sistema

Formal kick off meeting foreseen beginning of February :

- Project governance and management
- Launch of detailed Impact Analysis
- Planning drafting

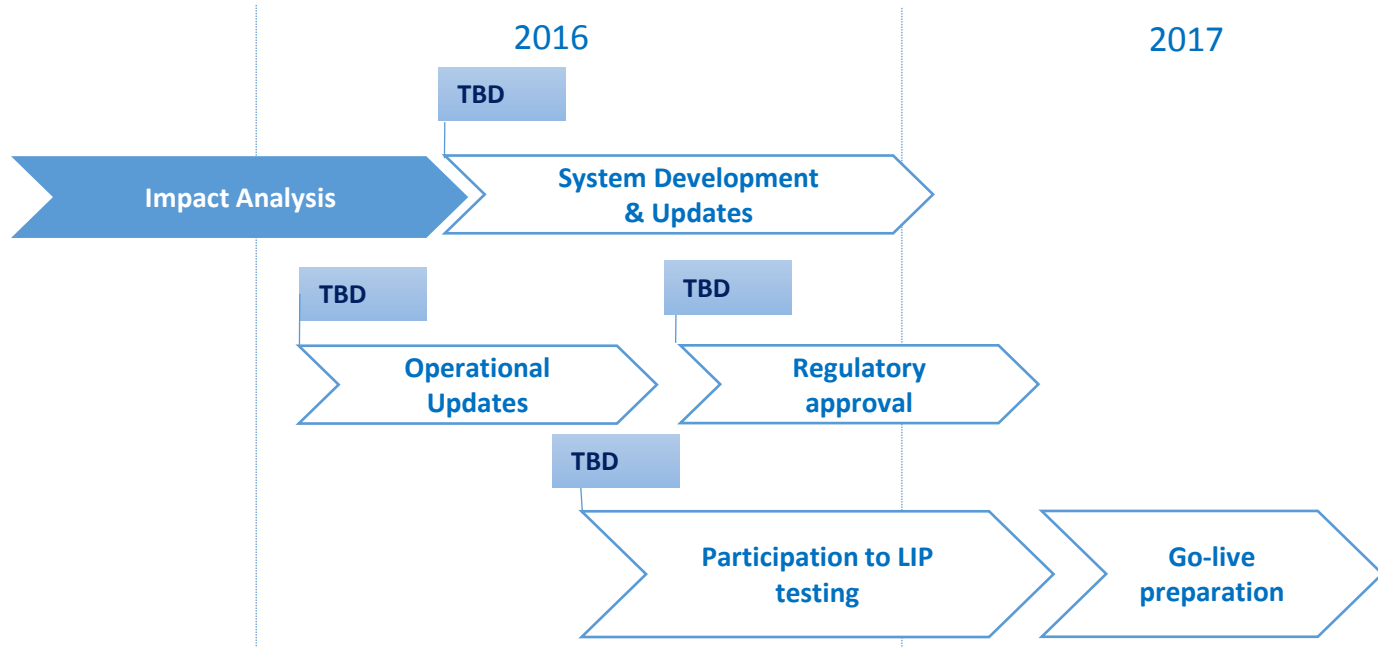
# Planning phases

2015

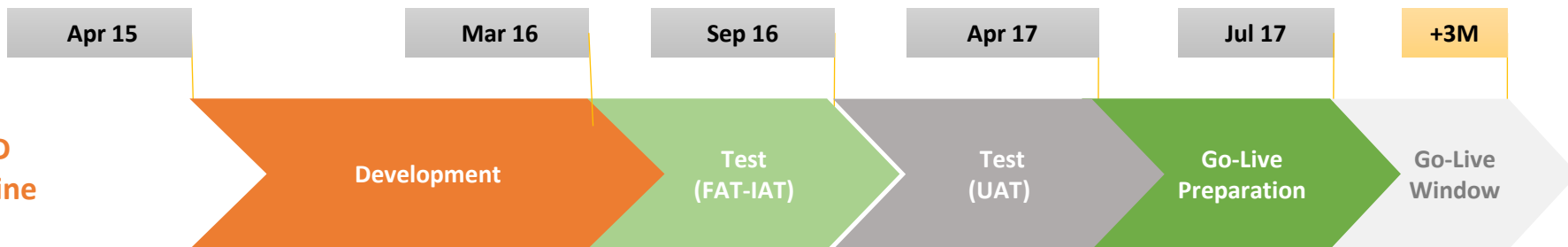
2016

2017

LIP  
Timeline



XBID  
Timeline





# Summary & Key Points

Challenges	Risks
<ul style="list-style-type: none"><li>- Regulatory adaptations</li><li>- IT systems adaptations</li><li>- LIP Testing</li></ul>	<ul style="list-style-type: none"><li>- Delays in regulatory approvals</li><li>- Delays in IT system adaptations affecting the tests</li></ul>

## **Agenda afternoon session**

- 9. Accession Stream for non-NWE+ parties**
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- 18. Closing remarks, reflections on the day**

## Q & A session



**Coffee break**  
**15:10-15:25**

## **Agenda afternoon session**

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- 18. Closing remarks, reflections on the day**



# User Group Meeting BritNed (LIP 7)

Nils Teipel  
January 2016



# Agenda

1. Overview of LIP
2. Scale of Impact
3. Current Status of LIP
4. LIP Plan
5. Challenges / Risks
6. Opportunities / Quick Wins

# 1. Overview of LIP

- Project Manager: Nils Teipel
- Involved border: GB-NL
- Involved TSOs: TenneT BV and National Grid (not an XBID project member)
- Involved PXs: APX UK, APX NL



## 2. Scale of Impact

- Large impacts into systems, procedures, contracts and operation.
  - Extensive modification of the current trading platform – various modules of the system affected, new interfaces and new business processes required
  - Modification of BritNed's Access Rules
  - Modification of Operating Protocol (Trilateral party doc – NG-BritNed-TenneT)
  - Modification and creation of new operational procedures
  - Creation of Local Procedures
  - Contracts with PXs
- Large impact into our current ID products as BritNed currently offer 2 Explicit Intraday Auctions (for each direction) per day with 6 nomination intervals.

### 3. Current Status of LIP

- The local IT implementation has been assessed and kicked-off
- BritNed has analysed impacts into the pre/post-coupling systems and is now planning the implementation approaches (different phasing)
- ToR of GB LIP Group has been drafted and is now under the review
- The market setup has been aligned with the connected TSOs
  - BritNed will have own Delivery Area in GB Market Area, but will have no own Delivery Area in NL Market Area.

# 4. LIP Plan

BRITNED XBID HL PLAN Version 0.1		2016												2017												2018						
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL			
IT DEVELOPMENT	PHASE 1 (IAT Readiness)	Analysis		Development		Test																										
	PHASE 2 (UAT Readiness)	Analysis			Development			Test																								
	PHASE 3 (Residual features)								Analysis			Development					Test															
CONTRACTS	Access Rules	Analysis		Drafting		Internal Revision					Revision of NRAs				Finalisation																	
	Operating Protocol											Analysis		Drafting			Internal Revision			Finalisation												
	APX UK / APX NL Contract											Creation together with APX																				
PROCEDURES	Business Operational Procedures								Analysis		Drafting			Internal Revision			Finalisation		Final Review													
	Local Procedures NL											Creation together with TenneT																				
	Local Procedures UK											Creation together with NGET																				
TRAINING	On-Call Team											Preparation			1st Run		2nd Run															
	Control Room Operators											Preparation			1st Run		2nd Run															
	Kingdom HelpDesk											Preparation			1st Run		2nd Run															

## 5. Challenges / Risks

- None-consideration of DC power losses within the XBID allocation algorithm
- No pricing methodology within the XBID allocation process

## 6. Opportunities / Quick Wins

- No quick wins, the project and related deliveries are too complex to allow Quick Wins

## **Agenda afternoon session**

- 9. Accession Stream for non-NWE+ parties**
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- 18. Closing remarks, reflections on the day**

# User Group Meeting – IFA (LIP 10)

**Andy Paton**  
**National Grid Interconnectors**  
**January 2016**

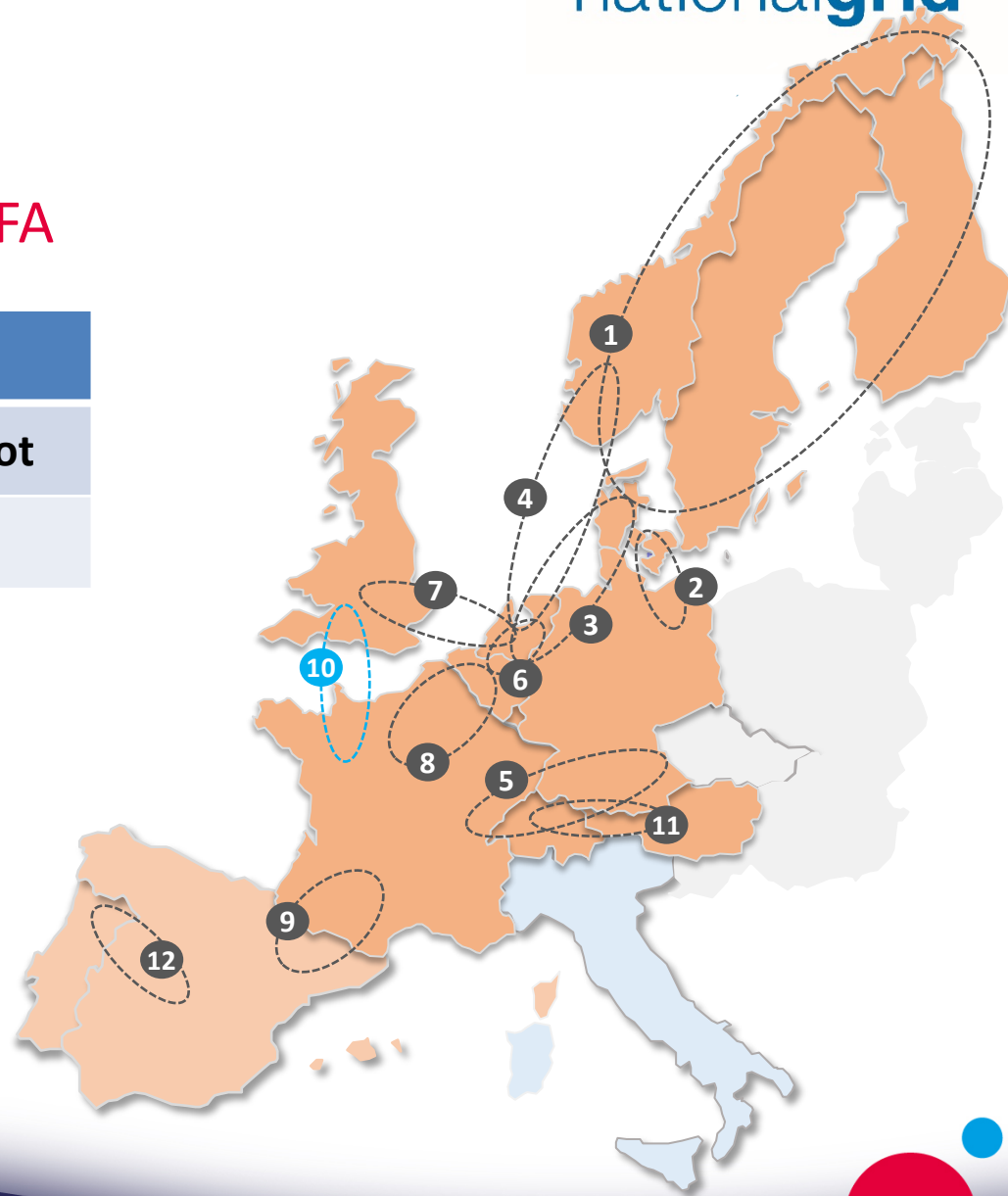


# Overview of LIP

- Scope: GB-FR Border for IFA

Country	TSO	NEMO
GB	NGIC	Nord Pool Spot
France	RTE	EPEX

- Existing Intraday  
FRGB/GBFR:  
2 intraday auctions, 6  
nomination gates
- Point of Contact: Andy  
Paton, NGIC





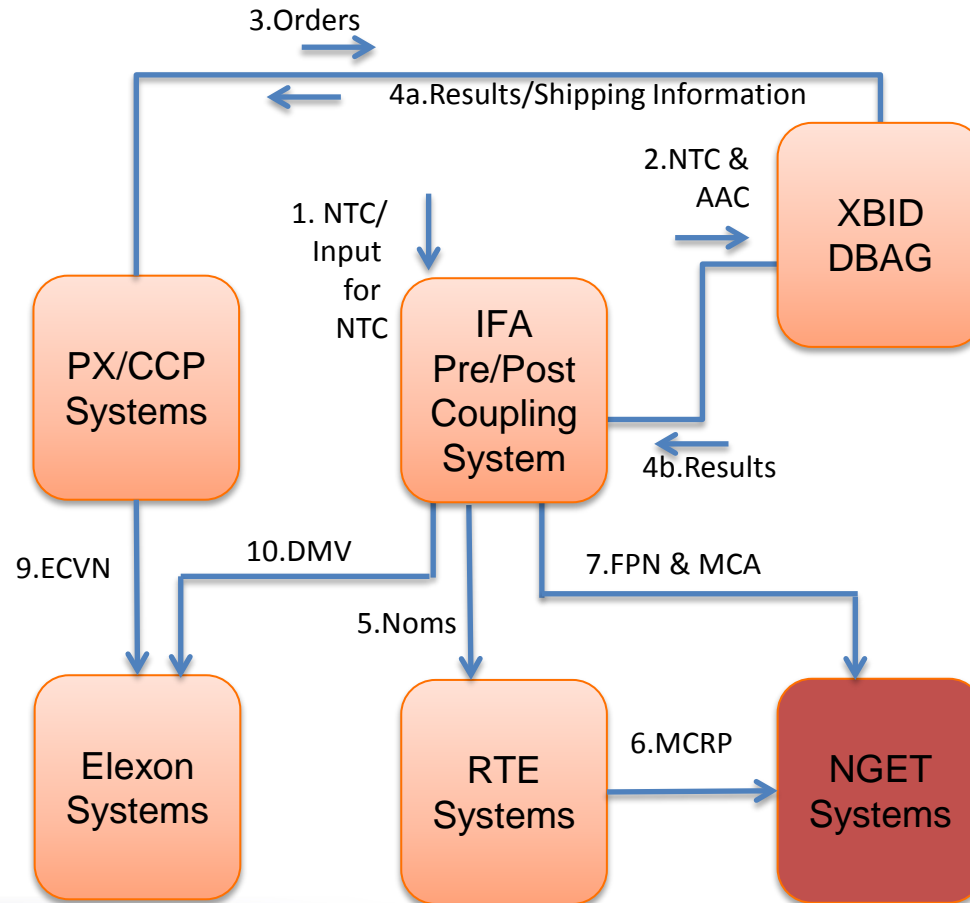
# Scale of Change

- Significant systems impact to integrate with XBID European Project
- Modifications to IFA Access Rules due to changes to auctions (separate from HARs)
- Local procedure development
- GB market setup for 2 PXs/Delivery Areas
- GB WG established with NGET and BritNed to understand impact to GB market as a whole (inc. changes to gate closure)

# LIP Planning

- Systems options being evaluated in coordination with other compliance changes required between 2016 – 2017
  - Dataflow integration with XBID and TSO/Market systems
  - Nomination process for PXs
  - Curtailment changes
  - Settlement
  - Fallback arrangements (where appropriate)
- Dependencies identified with Single Allocation Platform, Coordinated Capacity Calculator, other CACM/FCA implementations/methodologies.

# Anticipated High Level Architecture



## **Agenda afternoon session**

- 9. Accession Stream for non-NWE+ parties**
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- 18. Closing remarks, reflections on the day**



# LIP 4: NorNed Usergroup Meeting

Brussels: 26<sup>th</sup> of January 2016

Roelof de Vries



## **Content**

- 1. Introduction of Project LIP 4: NorNed**
- 2. High Level Project planning LIP 4**
- 3. Current Status of the Project**
- 4. Scheduled Activities 2016**
- 5. Impact for the members**

## 1. Introduction

- **Project name: XBID NorNed LIP**
- **Participants:**
  1. Statnett
  2. TenneT (NL)
  3. EPEX/APX
  4. NordPool Spot

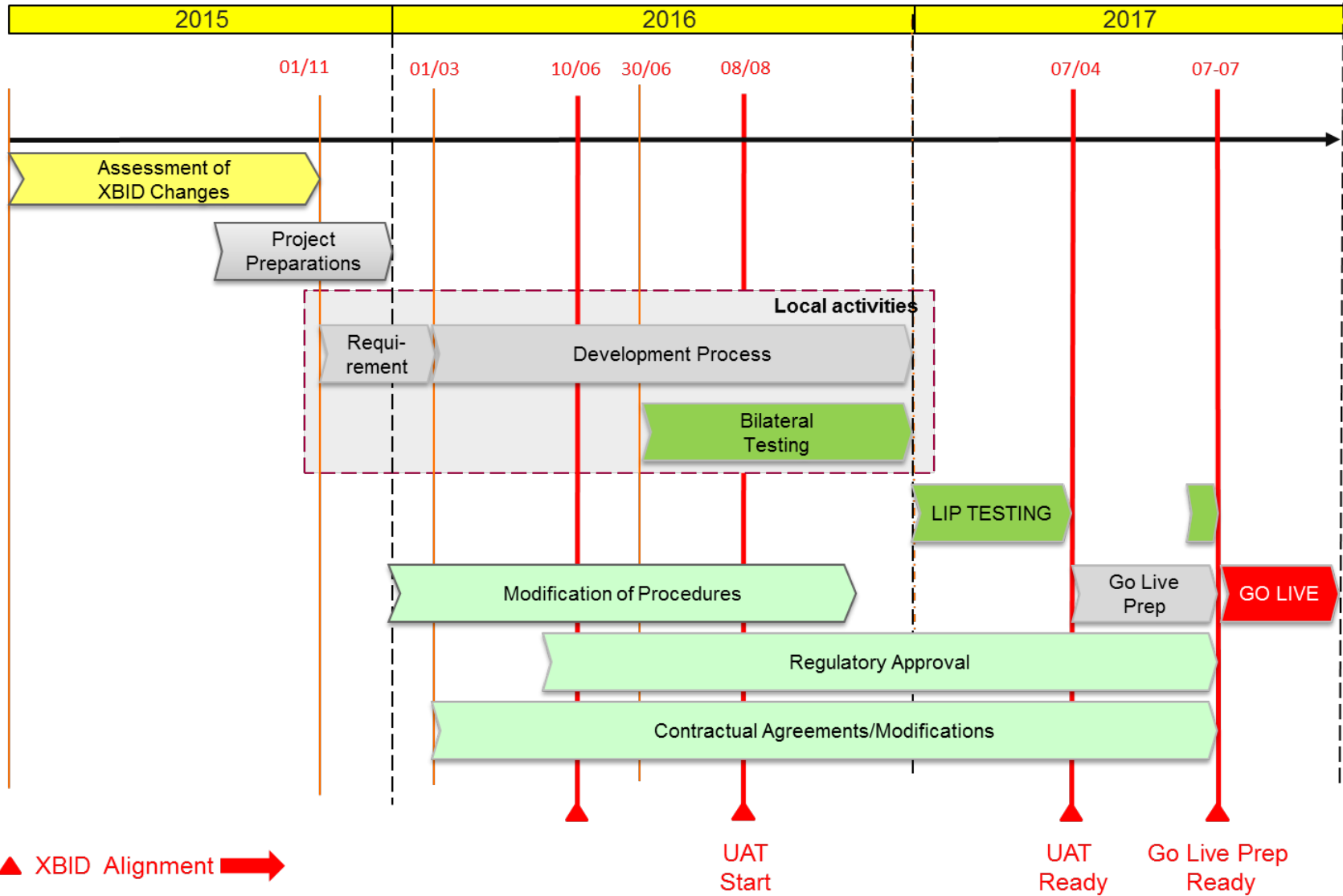
SPOC: Roelof de Vries (TenneT)

- **Objective:**

Implementing XBID for the interconnector NorNed in line with the XBID timeline. Ready before Go-Live in Q3/2017.



## 2. High Level Project Planning LIP 4





### 3. Current Status of the Project

- Project Governance set up (Project organization, assignment of SPOCs per party, LIP SPOC, Project contract, meeting scheme).
- High Level Architecture (HLA) for XBID NorNed agreed amongst project partners. Base line ready for implementation joint and local activities.
- Parties have setup implementation and development teams (resources made available) and local IT systems for development and testing.
- On local level LIP Project is subdivided in two parts:
  - A. Interfaces with XBID Platform (independent of LIP alignment). Development process started at local level of individual parties.
  - B. Process related modifications (dependent of alignment between LIP parties). Elaboration of changes started at joint level.
- Quick-Win implemented: Gate Closure Time to 60 min, operational in the market on 11<sup>th</sup> of November 2015. (Bilateral project, not part of LIP 4).

## 4. Scheduled Activities 2016

- **Technical**

- Modification of Local IT Systems (A and B) to be finished.
- Bilateral testing between parties (TSO-TSO, TSO-PXs, PXs-PXs, Shippers)
- Preparation of testing with XBID Platform (XBID integration testing scheduled in Q1/2017)

- **Operational**

- Alignment on processes and procedures between parties (already started).
- Preparation of contractual changes amongst parties.
- Regulatory approval process if required (currently assessed).

## 5. Impact and changes for the market parties

- Change of Trading Solution (APX and NPS ID platform).
- The market parties will gain access through the shared order book to all intraday liquidity at the PXs implementing the XBID solution.
- Any changes will be aligned with market parties in due time and follow the agreed communication process.

## 6. Questions/Answers



## **Agenda afternoon session**

- 9. Accession Stream for non-NWE+ parties**
- 10. LIP 1 (Nordic internal borders)**
- 11. LIP 2 (Kontek)**
- 12. LIP 9&12 (FR-ES, ES-PT)**
- 13. Q & A session**
- 14. LIP 7 (BritNed)**
- 15. LIP 10 (IFA)**
- 16. LIP 4 (NorNed)**
- 17. User Group perspectives on XBID Project (e.g. LIP roadmap)**
- 18. Closing remarks, reflections on the day**

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**Thank you very much for your attention!**

**A safe journey home.....**