



Introduction to the Nordic HTR project

Birger Fält

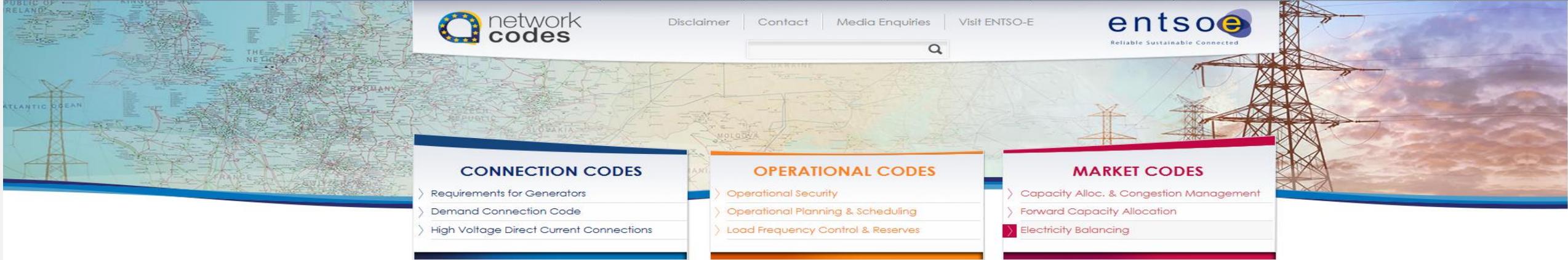
WG Settlement

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- ❖ Commission regulation (EU) 2017/2195) of establishing a guideline on electricity balancing (EB GL) entered as the last network code into force December 18 2017.
- ❖ Article 53 stipulates a harmonization of the imbalance settlement period:

*By **three years after the entry into force** of this Regulation, all TSOs shall apply the imbalance settlement period of 15 minutes in all scheduling areas while ensuring that all boundaries of market time unit shall coincide with boundaries of the imbalance settlement period.*

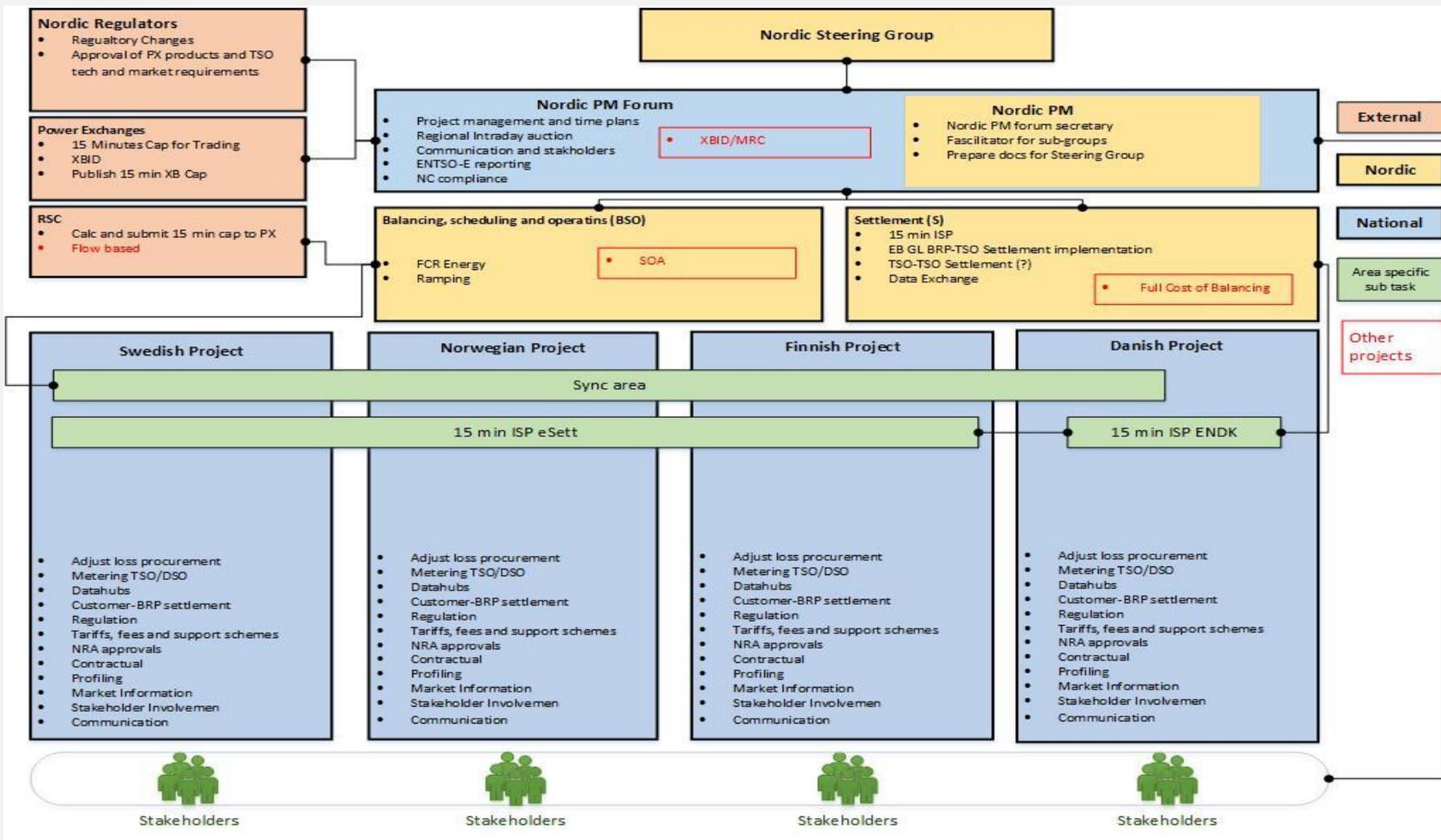


Purpose and Nordic ambition

- ❖ Change to 15 minutes imbalance settlement period (ISP) will bring immediate benefits:
 - ✓ Increased trading options for balancing responsible parties (BRPs) with e.g. Germany
 - ✓ More efficient use of new and existing interconnectors
 - ✓ Increased accuracy in the pricing of imbalances and valuation of flexibility
 - ✓ Increased frequency quality
- ❖ Main costs:
 - ✓ Scaling of data exchange systems
 - ✓ Adjustment of both TSOs' and market players' IT systems
 - ✓ Change or reconfiguration of meters
- ❖ Simultaneous implementation in all countries reduce costs.
- ❖ The agreed ambition is to implement 15 min ISP and 15 minutes resolution in the balancing and intraday markets by July 1st 2020.

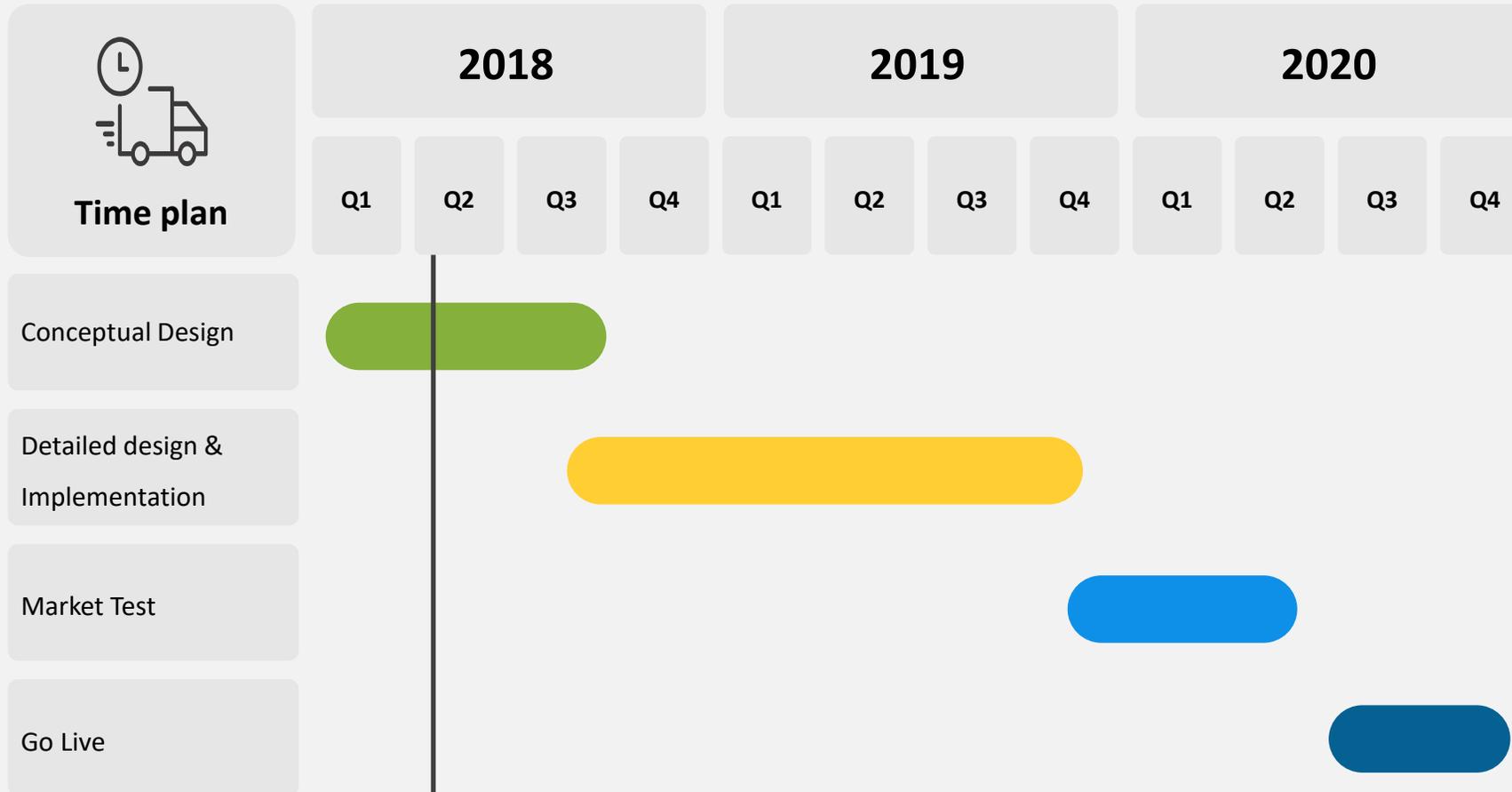


Organisation





General time plan





Main changes

Imbalance settlement will apply 15 min ISP

Intra day –market will apply 15 min ISP

Balancing market will apply 15 min



In addition to 15 min ISP ...

- ❖ ...there are additional requirements for harmonization of the imbalance settlement in EB GL.
 - ✓ Most likely the use of single imbalance pricing
 - ✓ Most likely the use of one final position (no division in consumption and production)
 - ✓ Methodology for applying dual pricing

The proposal for harmonization will be developed by ENTSO-E and shall be completed by one year after entry into force (Article 52.2)

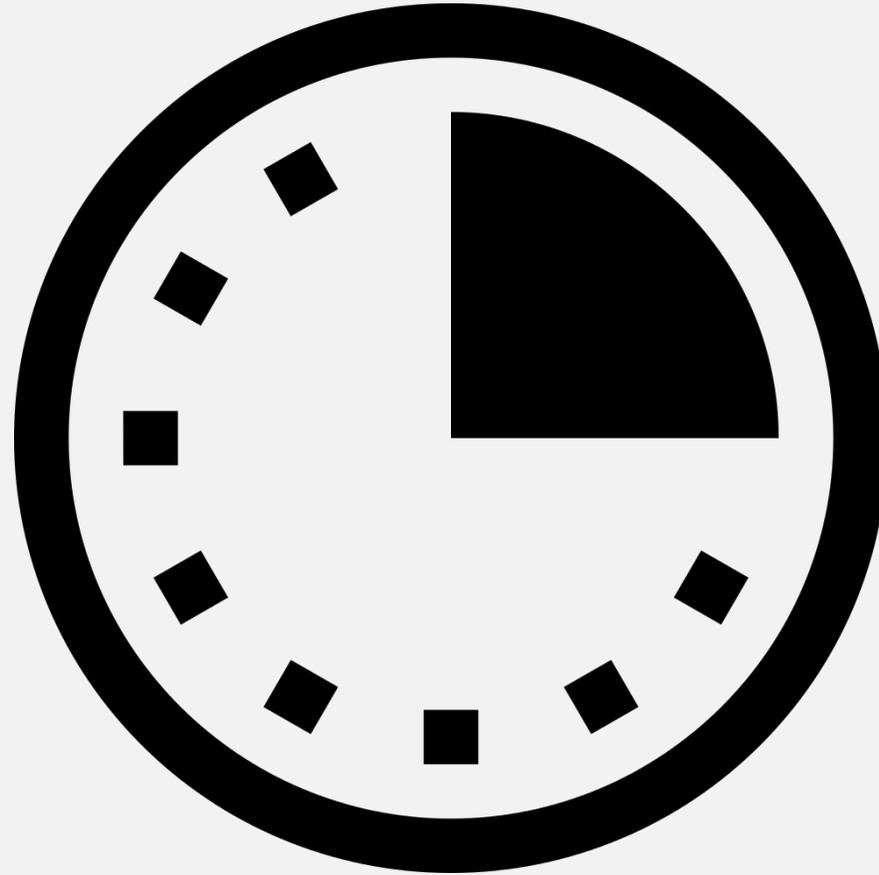


Next step

- ❖ Establishment of nordic "Work Groups" and with eSett
 - ✓ Design and requirements related to imbalance settlement in cooperation with eSett
- ❖ Dialogue with nordic NRA:s (NordREG)
- ❖ Nordic PM Forum cooperation between TSOs
 - ✓ Manage common risks
 - ✓ Coordinate implementation strategies



Thank you!



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