
Uppdatering ENTSO-E:s nätkoder

- CACM
- Forwards
- Balancing

Elmarknadsrådet

2013-02-11

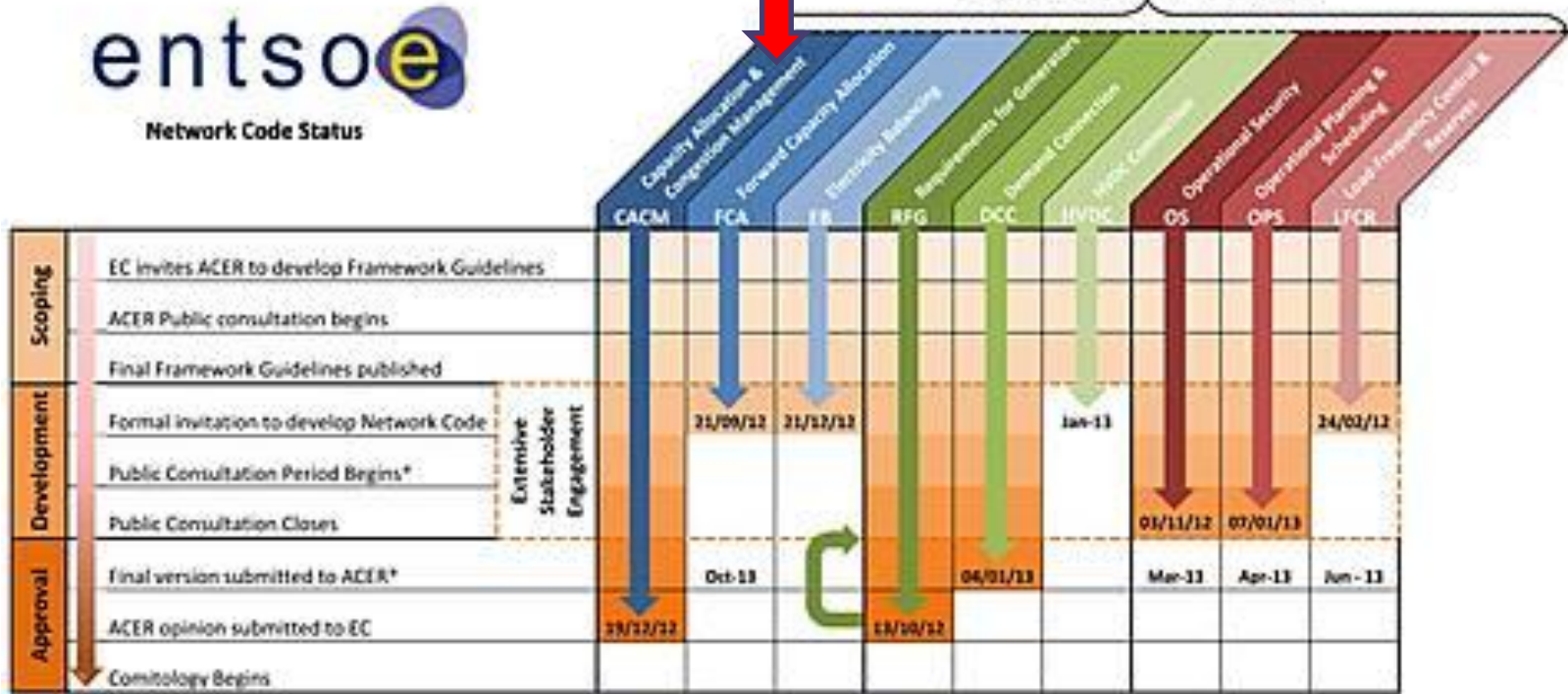
Christina Simón



Network Codes - överblick



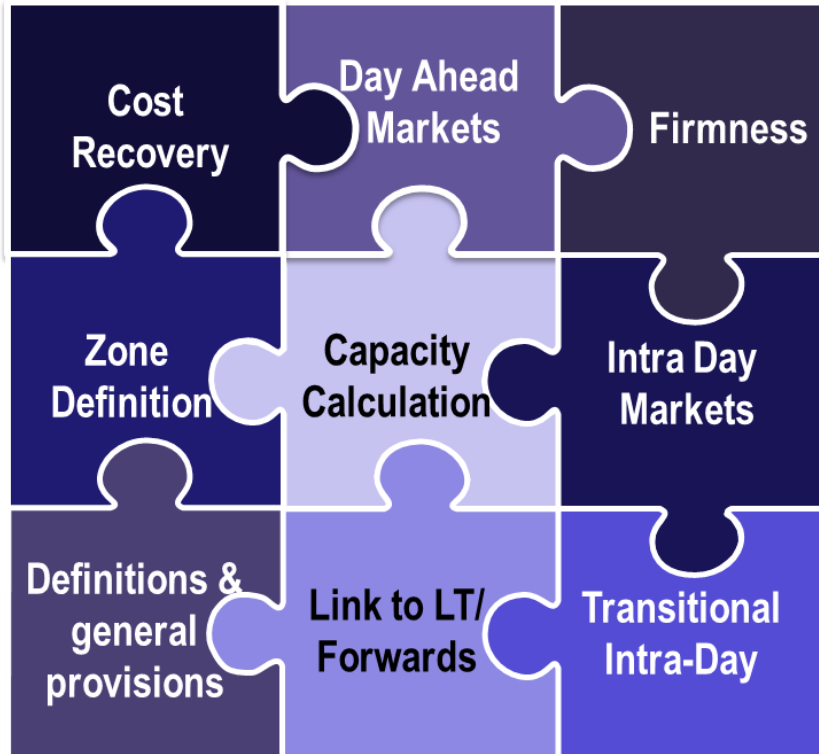
Delivery of the Third Package



Disclaimer: The purpose of this chart is to provide overall transparency of ENTSO-E's network code development. All forward-looking dates are provisional until confirmed. Stakeholders will be informed and invited to all confirmed events by means of official communication.

* In accordance with ENTSO-E's Network Code Development Process, an internal drafting and approval is done before the launch of the formal public consultation and submission of the code to ACER.

Senaste nytt om Network Codes finns på: www.entsoe.eu/resources/network-codes



- **Dagen före handel – marknadskoppling**
- **Intradag – implicit handel**
- **Kapacitetsberäkningar och definiering av elområden**
- **Definitioner, firmness, kostnadstäckning & kapacitetsavgifter**



Vad händer?

- ACER har delgivit “Reasoned opinion” i januari - 11 synpunkter
- Diskussioner mellan ACER och ENTSO under ledning av KOM
- “ACER's Qualified Recommendation to the EC” (i.e. recommending the adoption of the code subject to some conditions)
- ENTSO-E vill inte skriva om koden i dess grundvalar men är behjälplig i övrigt för att nå snabbt slut
- Fortsatta diskussioner mellan ACER och ENTSO under ledning av KOM under februari
-?



Vad diskuteras?

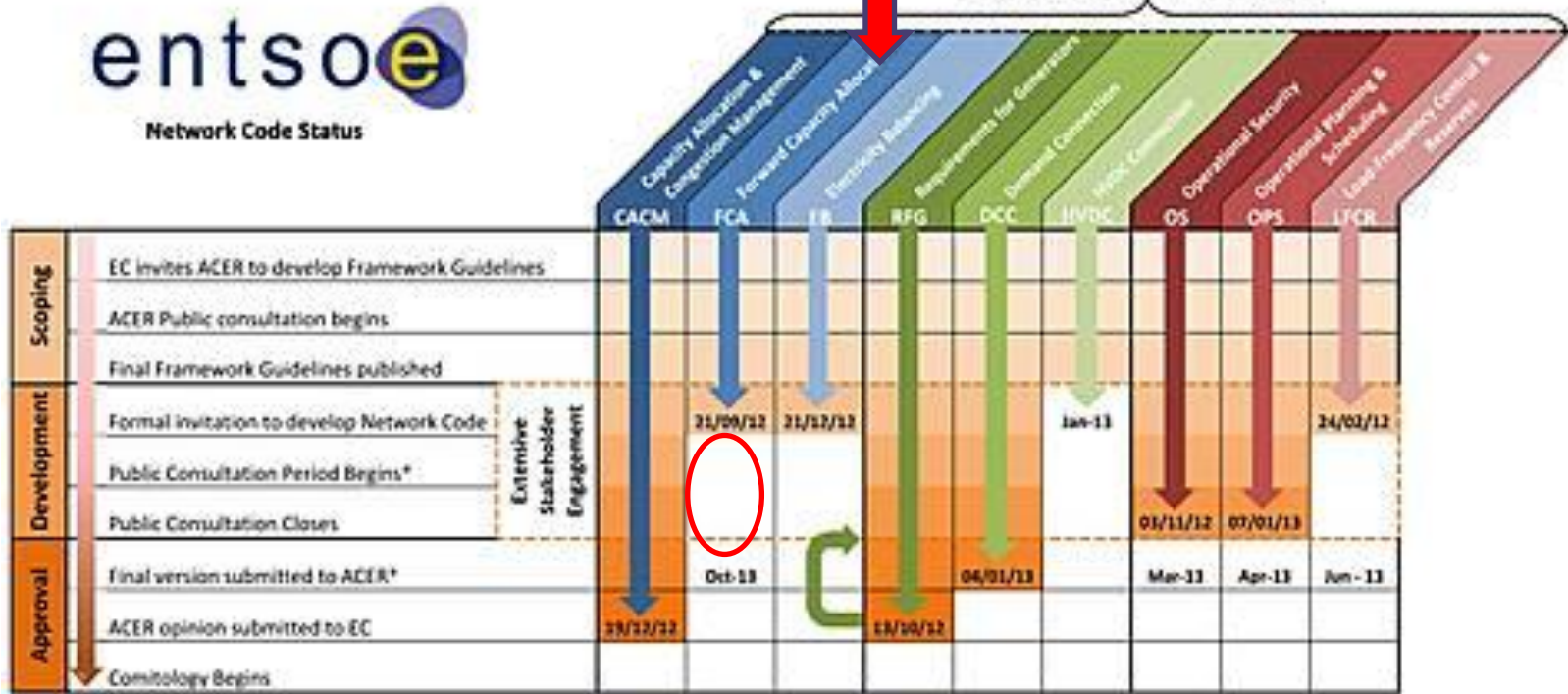
- **Cost recovery**
- **Capacity Calculation**
- **Regulatory approvals**
- **Remedial actions**
- **Regional auctions**

Redan i linje med ACERs Framework Guidelines...

Network Codes - överblick



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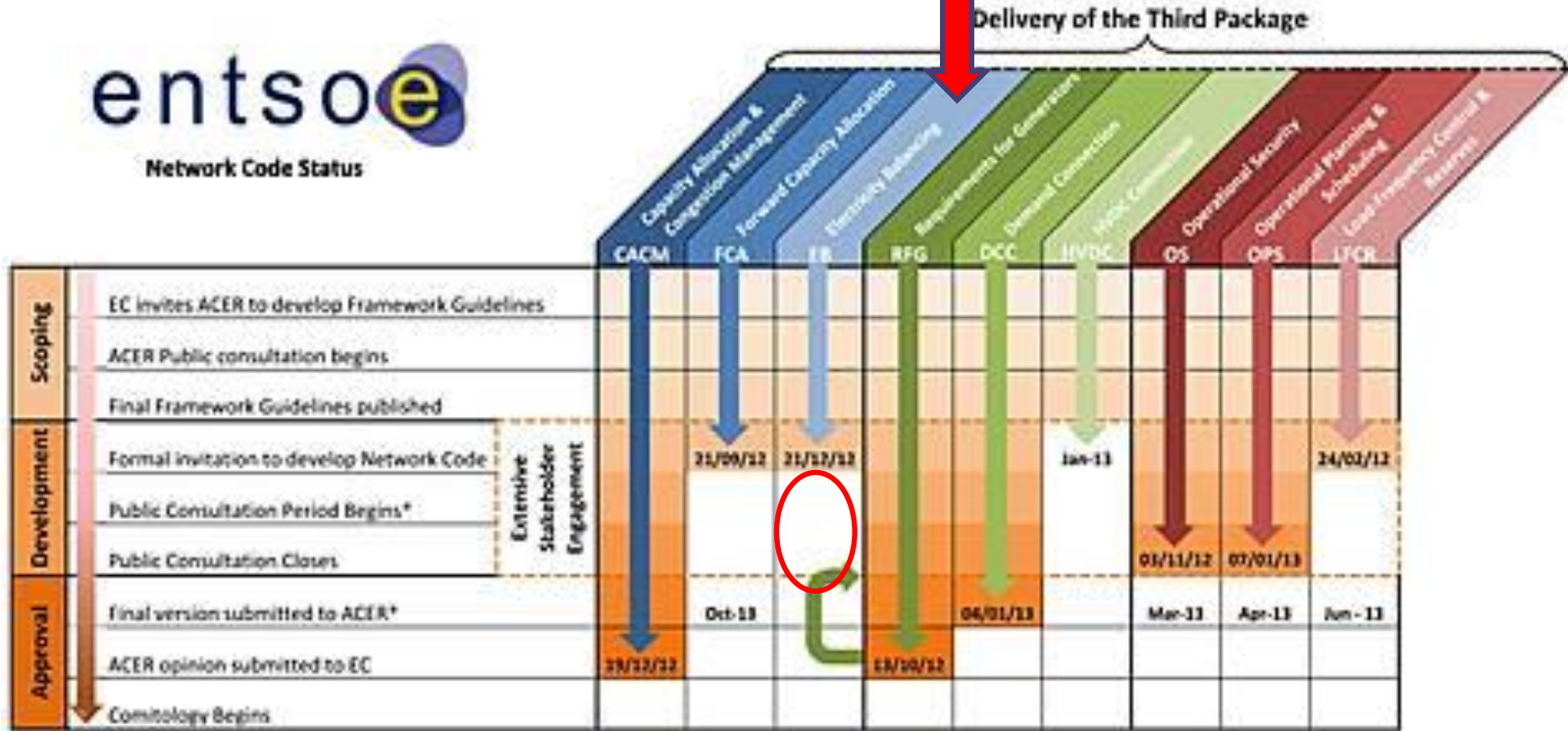
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Vad diskuteras?

- **Financial and Physical**
- **Transmissions rights vs Price hedging products**
- **Secondary market**
- **Capacity Calculation and Bidding Zones**
- **Processes and operation**
- **Nomination Procedure**
- **Firmness**
- **Cost Recovery**
- **Use of Congestion Income**
- **Revenue Adequacy**
- **Consultation Process**
- **Regulatory Approval**

Network Codes - överblick



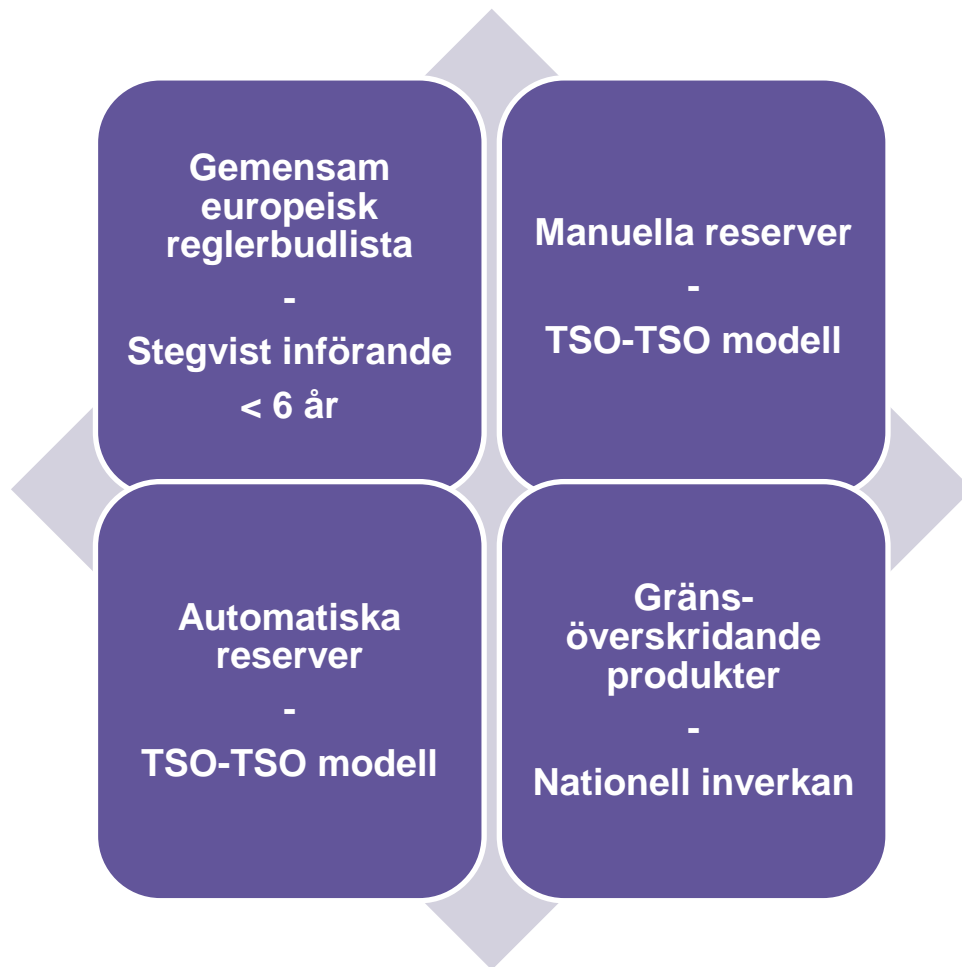
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Balancing Network Code - Omfattning



- Olika utgångspunkter
- Koden inte mer detaljerad än ACERs riktlinjer kräver
- Avräkningsperiod över 30 min kan tillåtas
- TSO kan hålla störningsreserver efter godkännande av NRA
- Stegvis genomförande
- Beroende av andra nätkoder
- Definitioner
- Testpiloter?

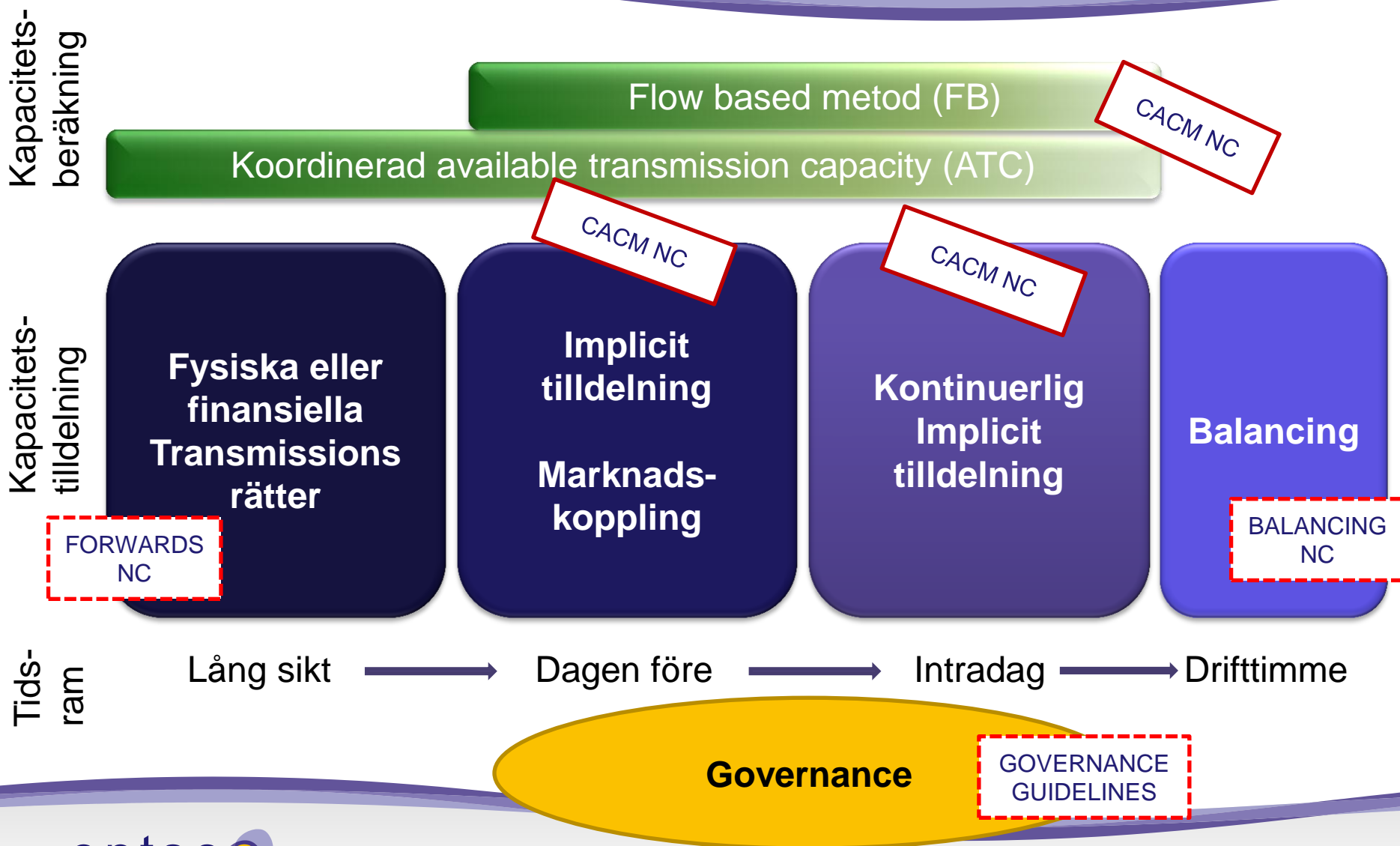
Tack för er uppmärksamhet!

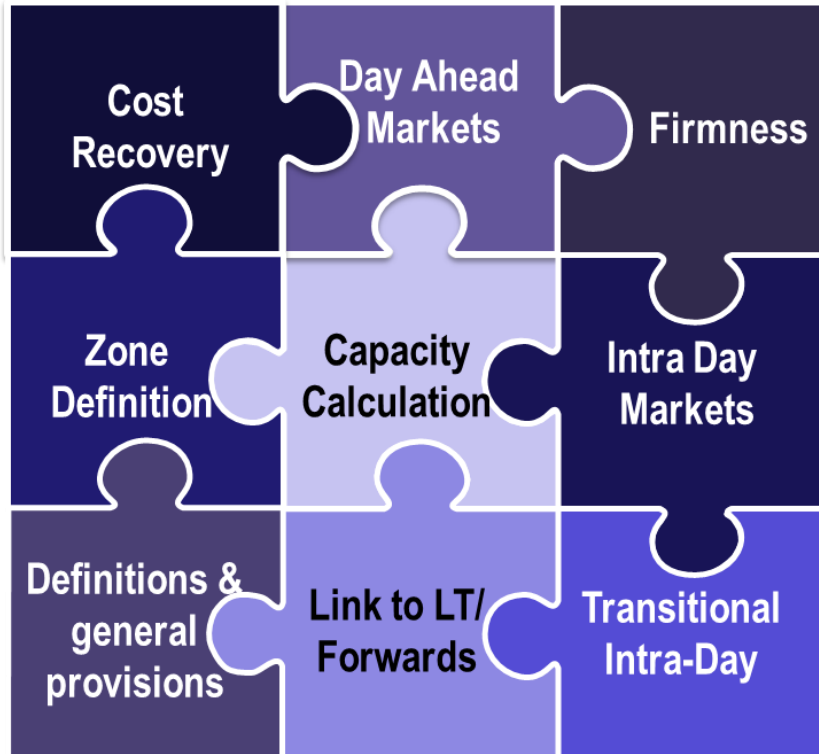
- christina.simon@entsoe.eu

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Reliable Sustainable Connected

EU:s målmodell





- **Dagen före handel – marknadskoppling**
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The “optimal” size of Bidding Zones

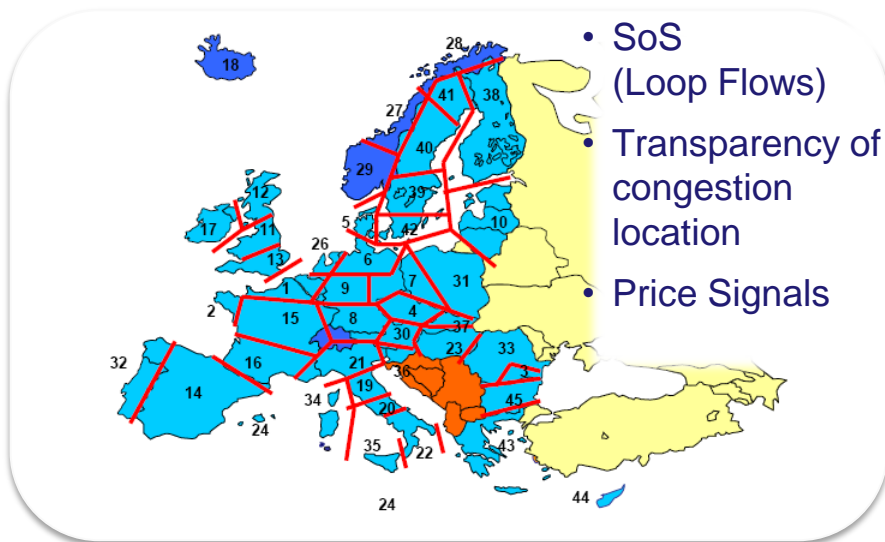


Diverging views on market zone boundaries:

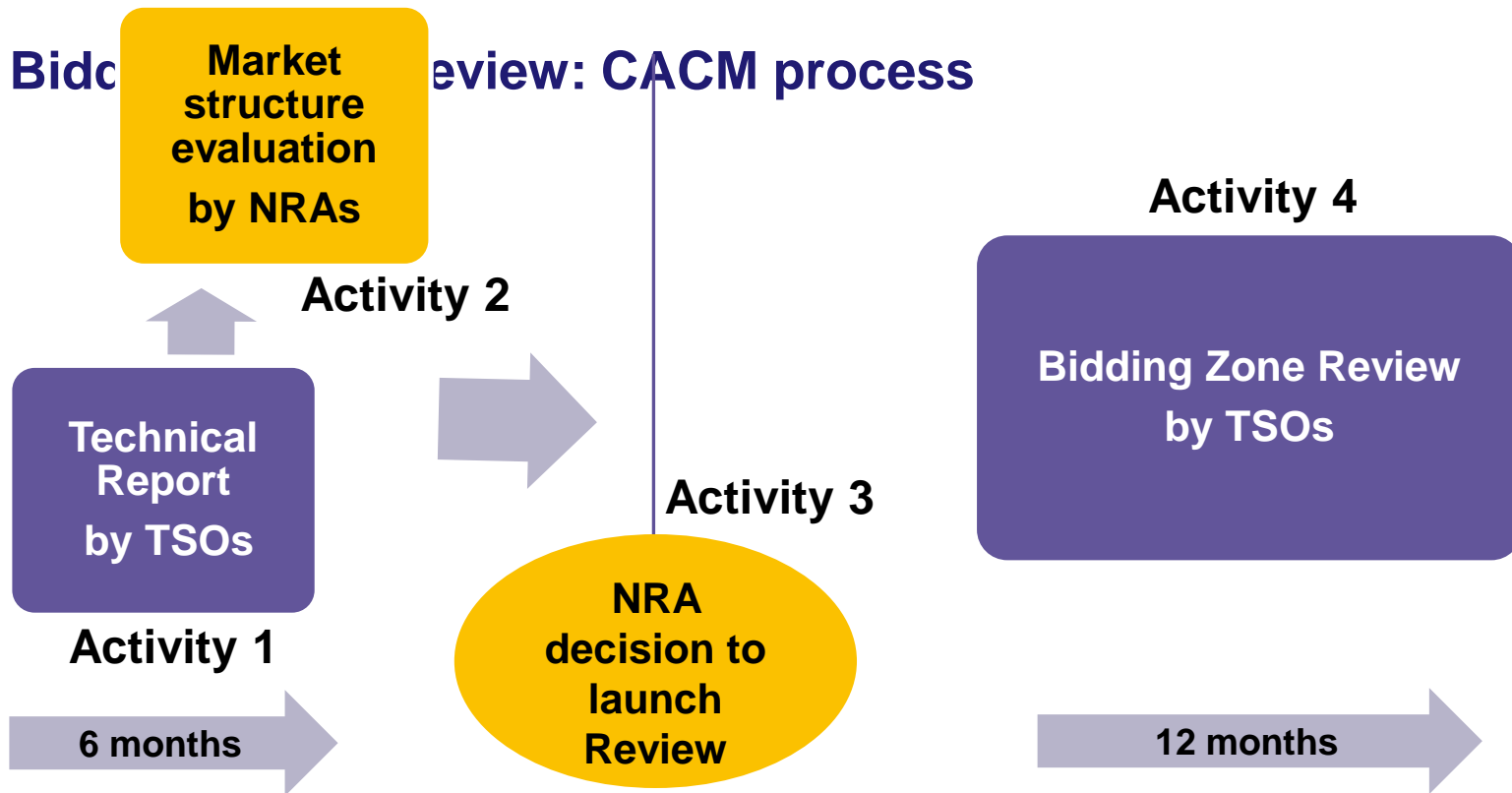
advantages of splitting of zones

vs.

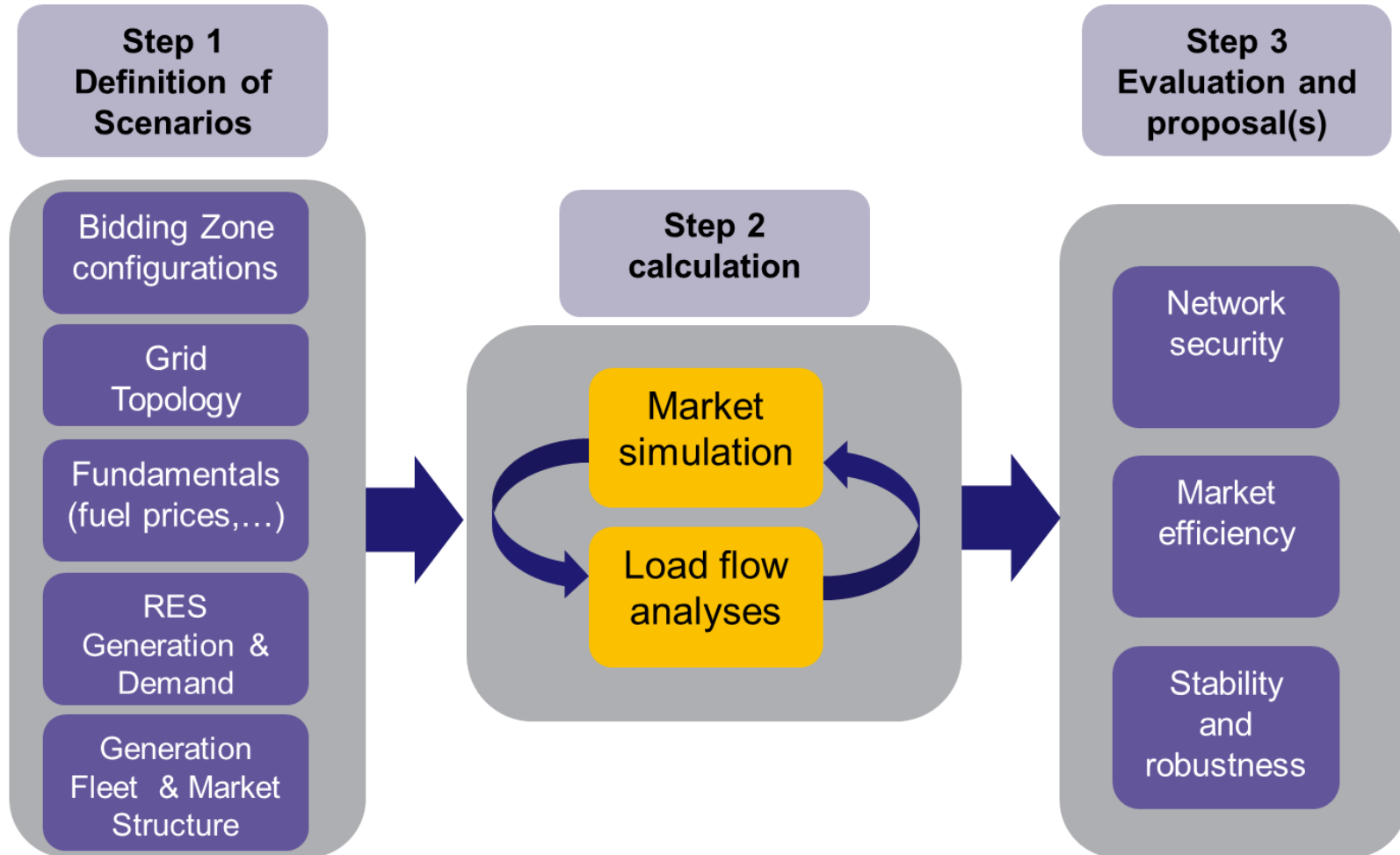
advantages of larger zones



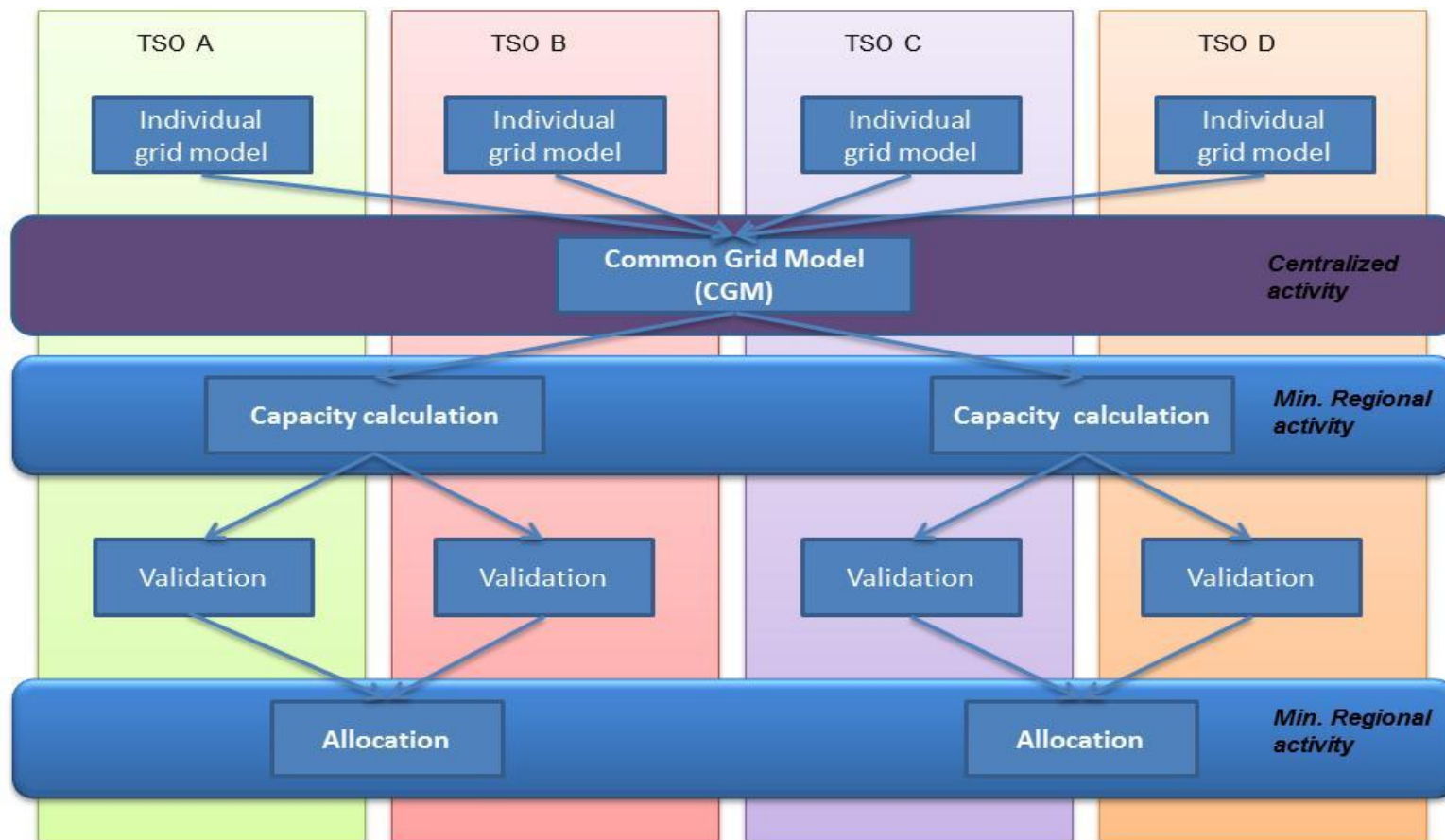
➔ CACM NC introduces a clear process to assess and redefine bidding zone configurations



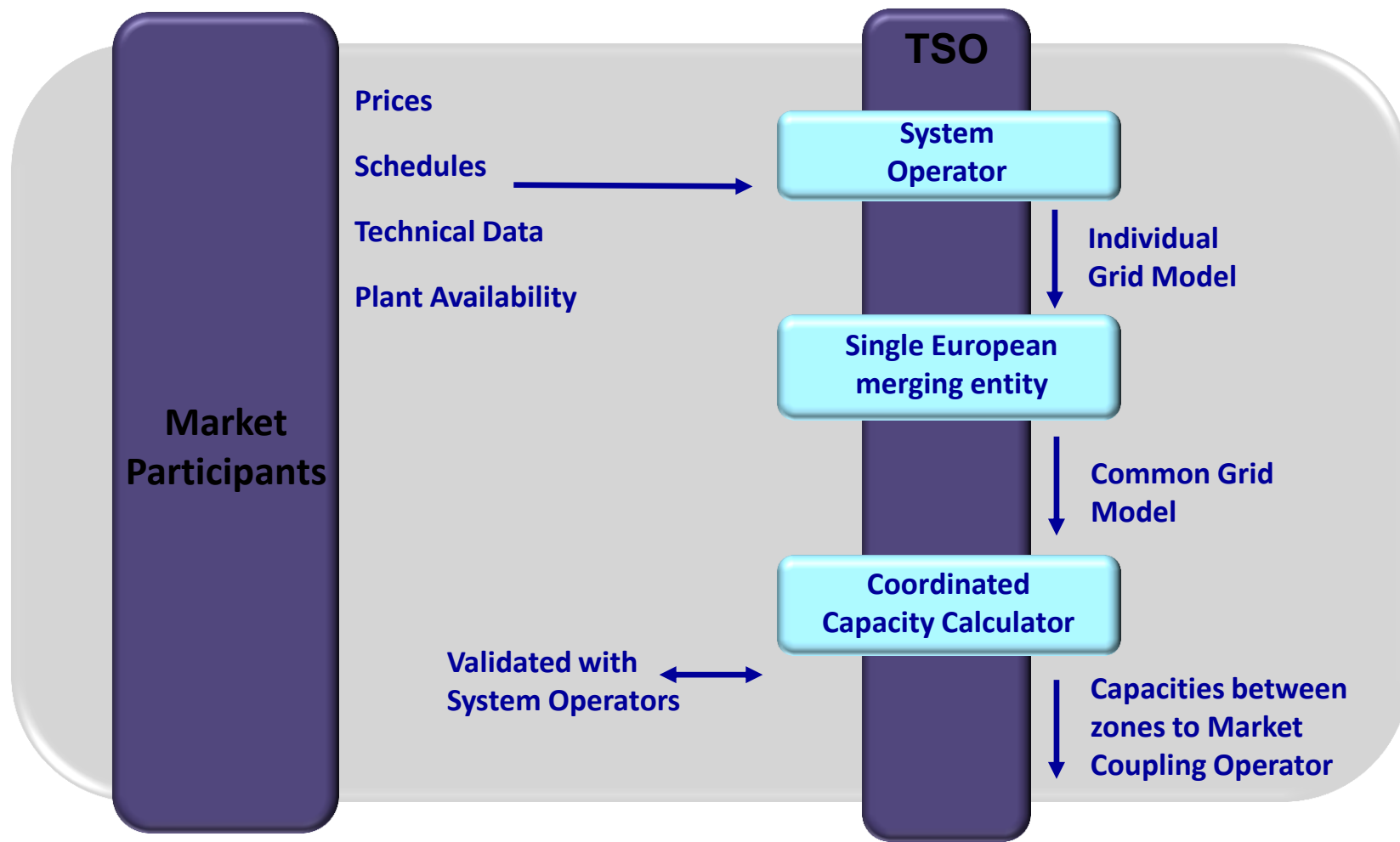
Bidding Zone Review Process: input and criteria



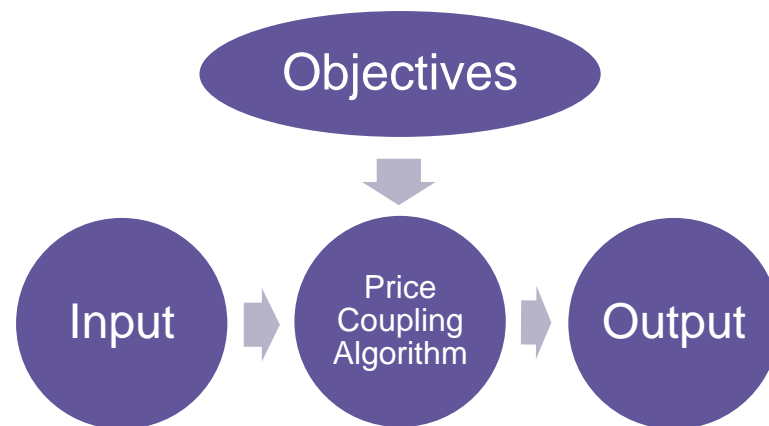
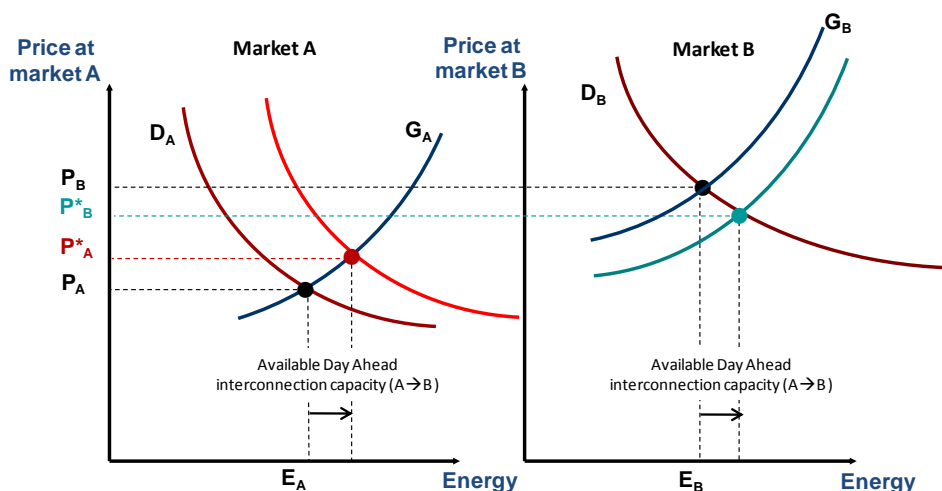
The capacity calculation process: from individual TSOs to pan-European dimension



Capacity calculation: CACM Functions and Interactions



Day-ahead market coupling

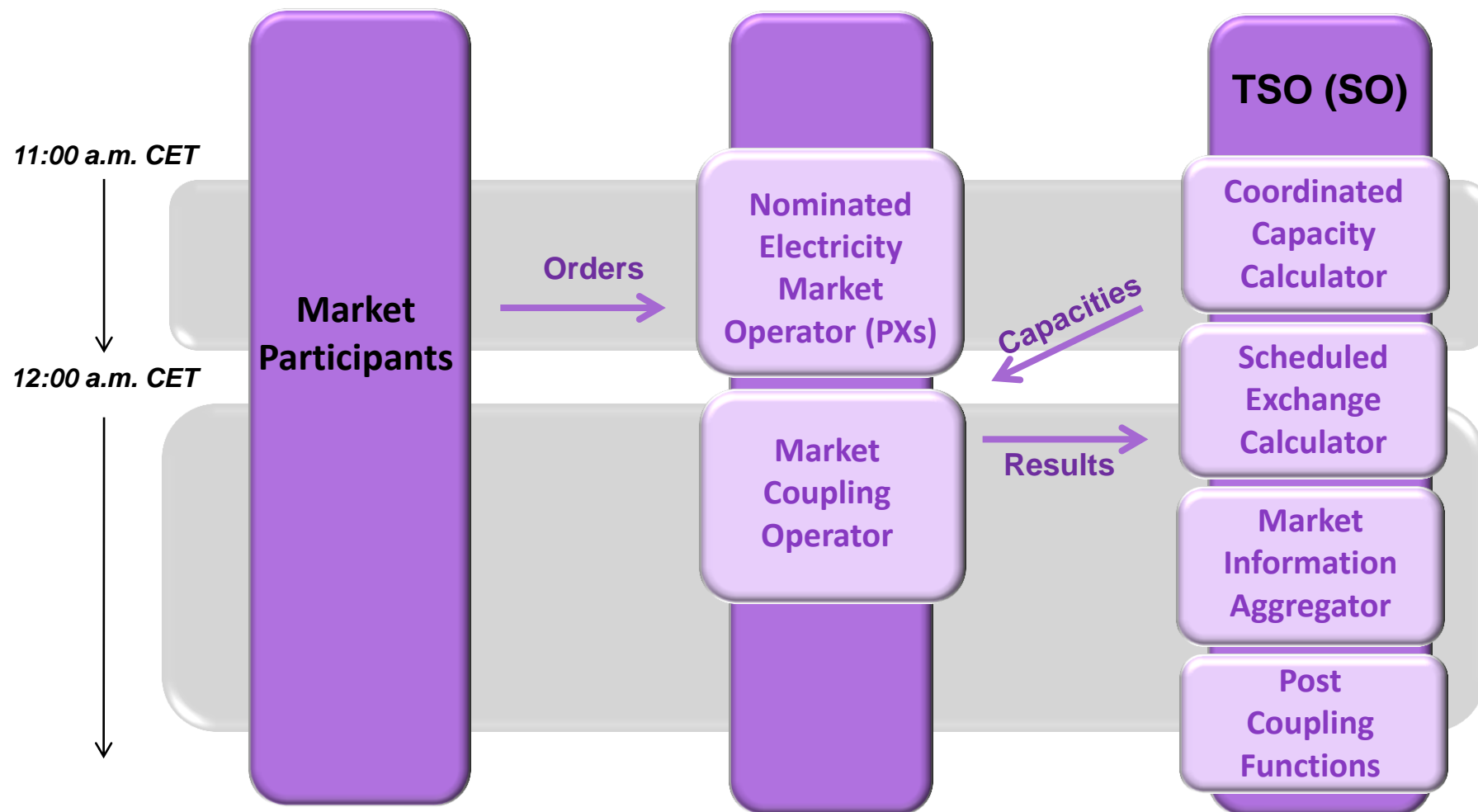


Market coupling enables an efficient use of the transmission grid through strong interactions between local markets and an efficient European wide price formation

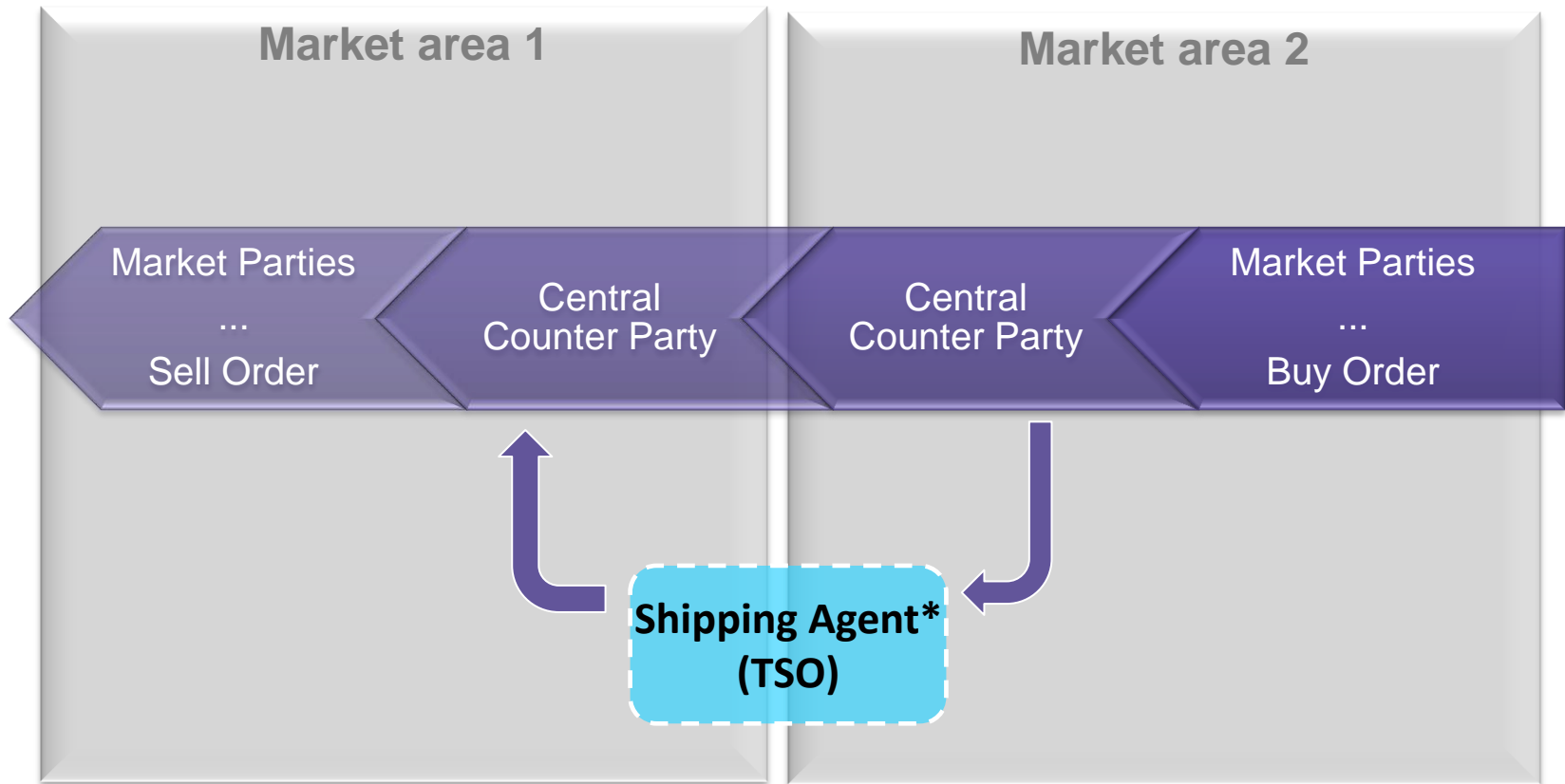
A single price coupling algorithm to be defined across Europe

Clearing prices, net positions for all bidding zones and cleared orders are calculated by the Price Coupling Algorithm

Day-Ahead Market: CACM Functions and Interactions

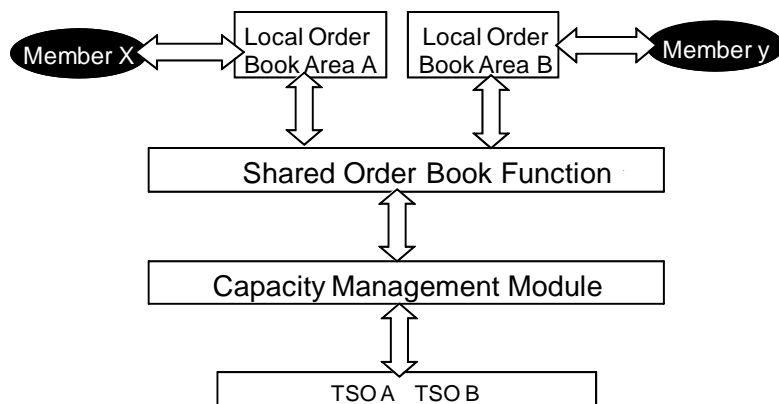


Post coupling cash flows in CACM: Day-Ahead AND Intraday



**Optional function, replaces interface between Central Counter Parties*

The intraday electricity market

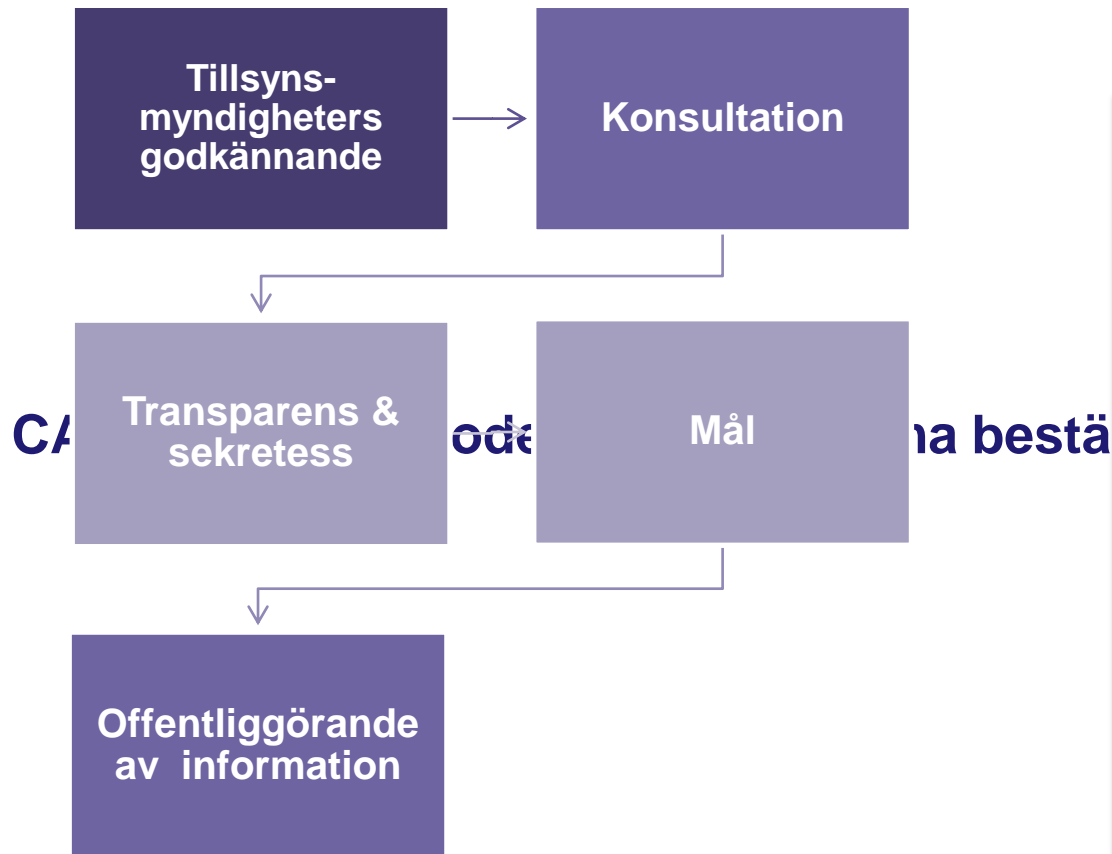


European target model: cross-zonal intraday capacity allocation and energy trading based on implicit continuous allocation (continuous trading)

A continuous intraday market let positions be fine tuned close to real time. This is vital to managing variability of RES.

The target models setup pools all liquidity to maximize economic benefits.

The relationship between the Shared Order Book function and Capacity Management Module will be one-to-one.



- Syfte, principer och processer
- Säkerställer konsistens och tydlighet för tillsynsmyndigheternas godkännande- och konsultationsprocesser bland intressenter



Omfattande arbete för att ta fram gemensamma marknadsregler; enighet kring målmodellen.

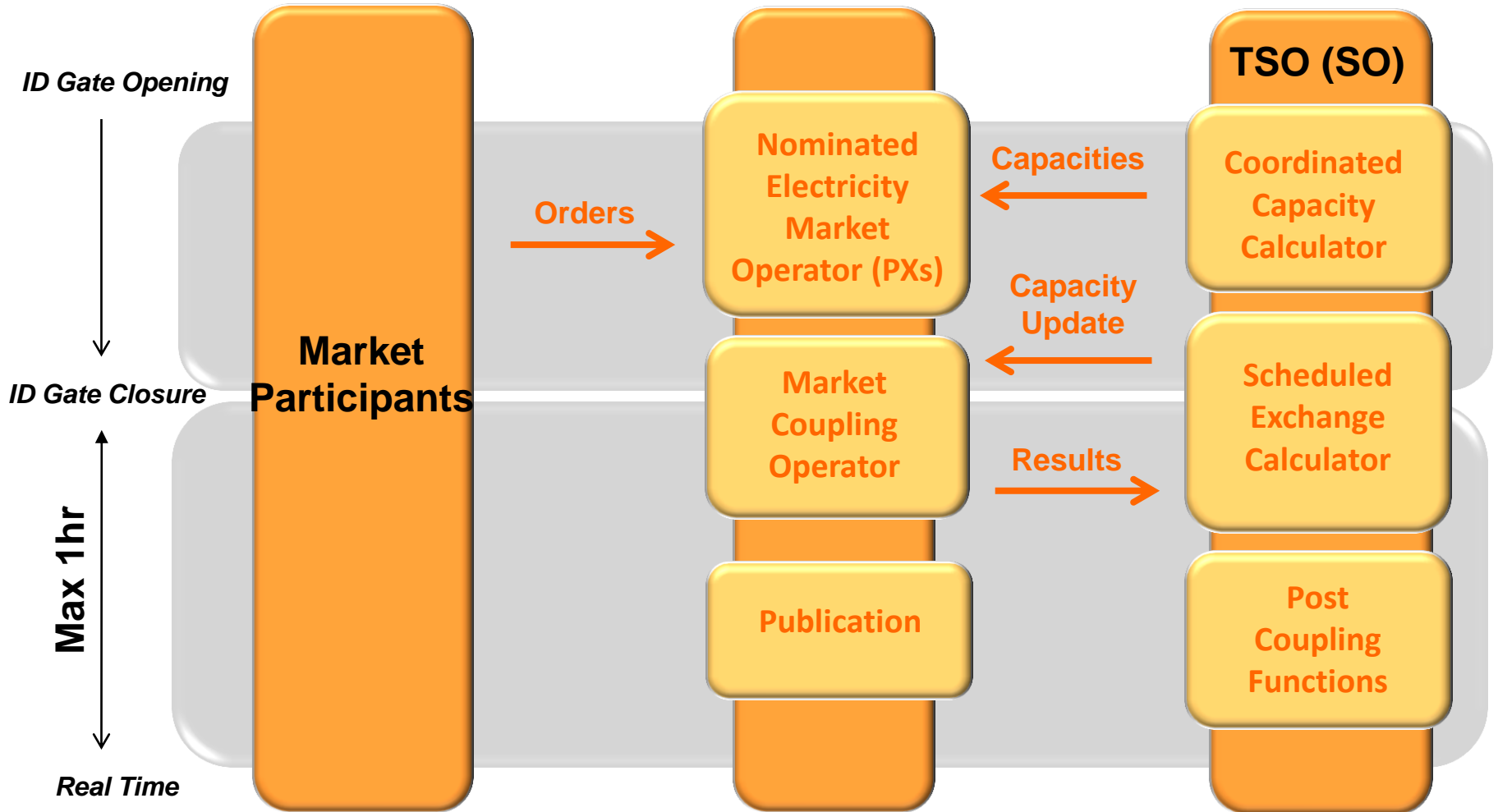
Utmaning. Implementeringsarbetet har påbörjats. Icke ok från ACER eller i kommitologin kan äventyra fullbordandet av IEM till 2014.

Harmoniseringsarbete innebär förändringar. Väl avvägd nivå på bestämmelserna i syfte att hålla över tiden.

Koden och kommissionens riktlinjer för styrning av börser och TSOs är två sidor av samma mynt. Koden ska ses som en helhet.

Koden är medvetet robust med sikte på en europeisk integrerad marknad

Intraday Market: CACM Functions and Interactions



Forward Capacity Allocation– tidplan och utgångspunkter

ACER:s Riktlinjer
CACM 29 juli 2011

KOM:s uppdrag
29 sept 2012

Intressentdialog

Utkast kod till
april 2013

Slutlig kod till
ACER 1 okt 2013

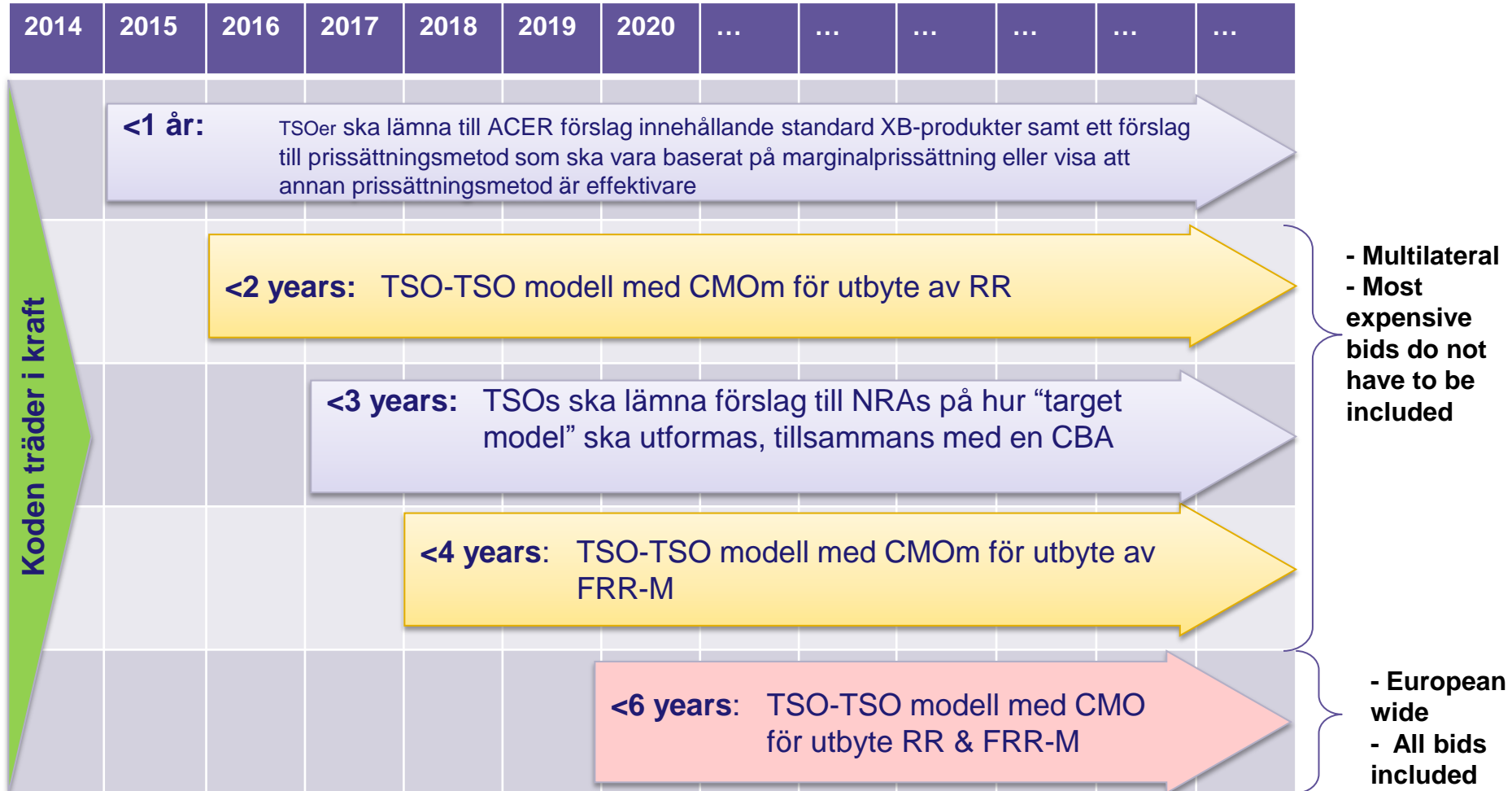
- ACER:s Riktlinjer + konsultation
- ENTSO-E:s principer: Forward markets & network code development:
 - Risk hedging products
 - Long term capacity allocation rules (FTR/PTR)

Balancing Network code – tidplan och utgångspunkter



- **ENTSO-E:s** övriga koder (Drift, CACM)
- **ENTSO-E's** principer för balansering

Utifrån Framework Guidelines - Från när ska vad vara implementerat? Manuella reserver



Utifrån Framework Guidelines - Från när ska vad vara implementerat? Automatiska reserver

