

# Implementation of the BAL NC

## Energy Community

**Arjan Kleine**

1.

*Third Energy Package - Context and TSO role development*



2.

*Implementation challenges & Objective of the BAL NC*



3.

*Key Chapters of the BAL NC*





# Context and TSO role development

Unbundled TSOs	
<b>Transmission services role</b>	<b>Balancing role</b>
TSO core revenue streams	Residual Balancing role

# Implementation challenges

- A number of challenges occur when implementing the Balancing Network Code

## Information provision

- Investment in new IT equipment; metering changes
- Extensive cooperation with NRAs, DSO's, Network Users needed

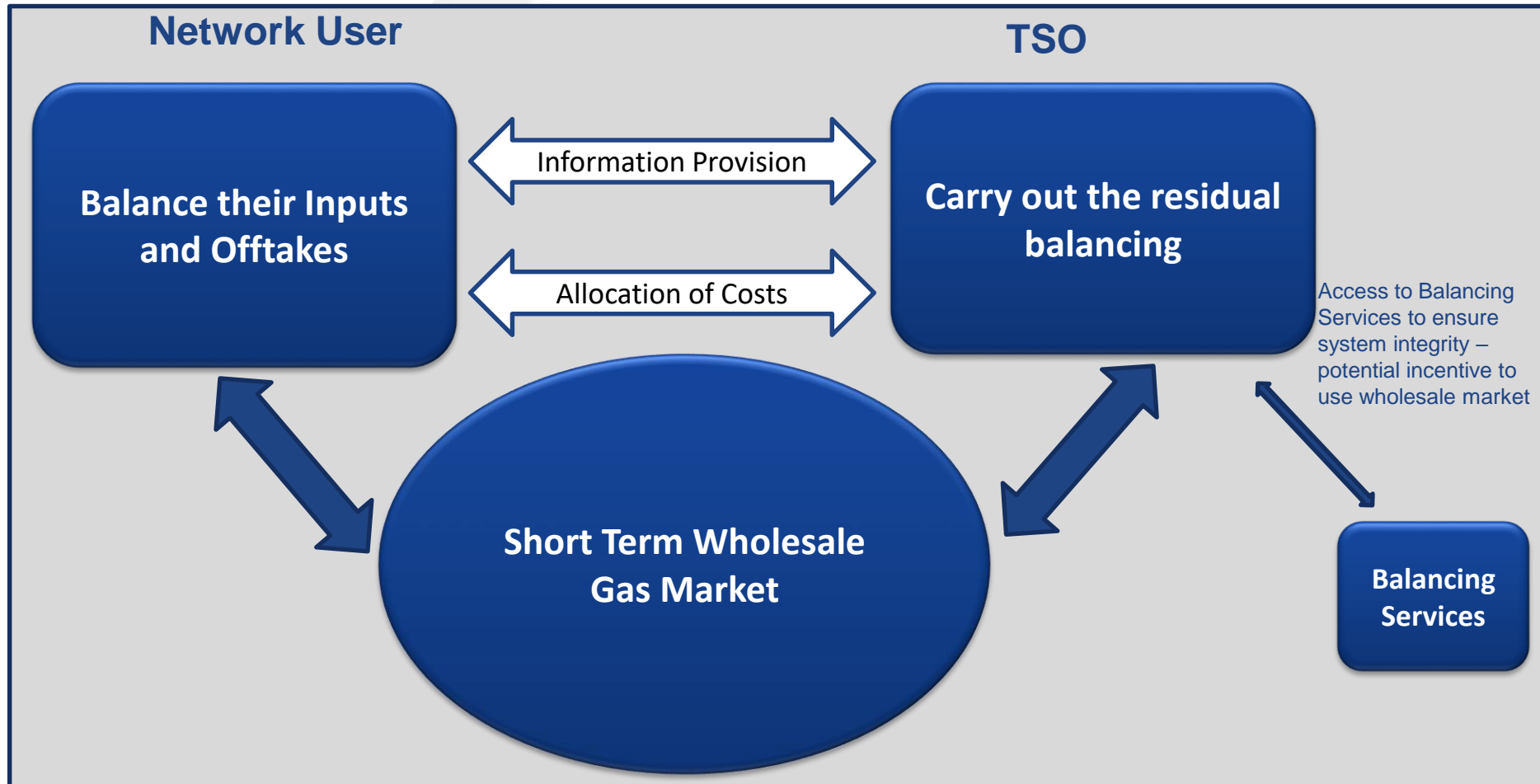
## Liquidity

- Low levels of liquidity in some countries
- Some countries do not currently have trading platforms
- Problem to offer Short Term Standardised Products



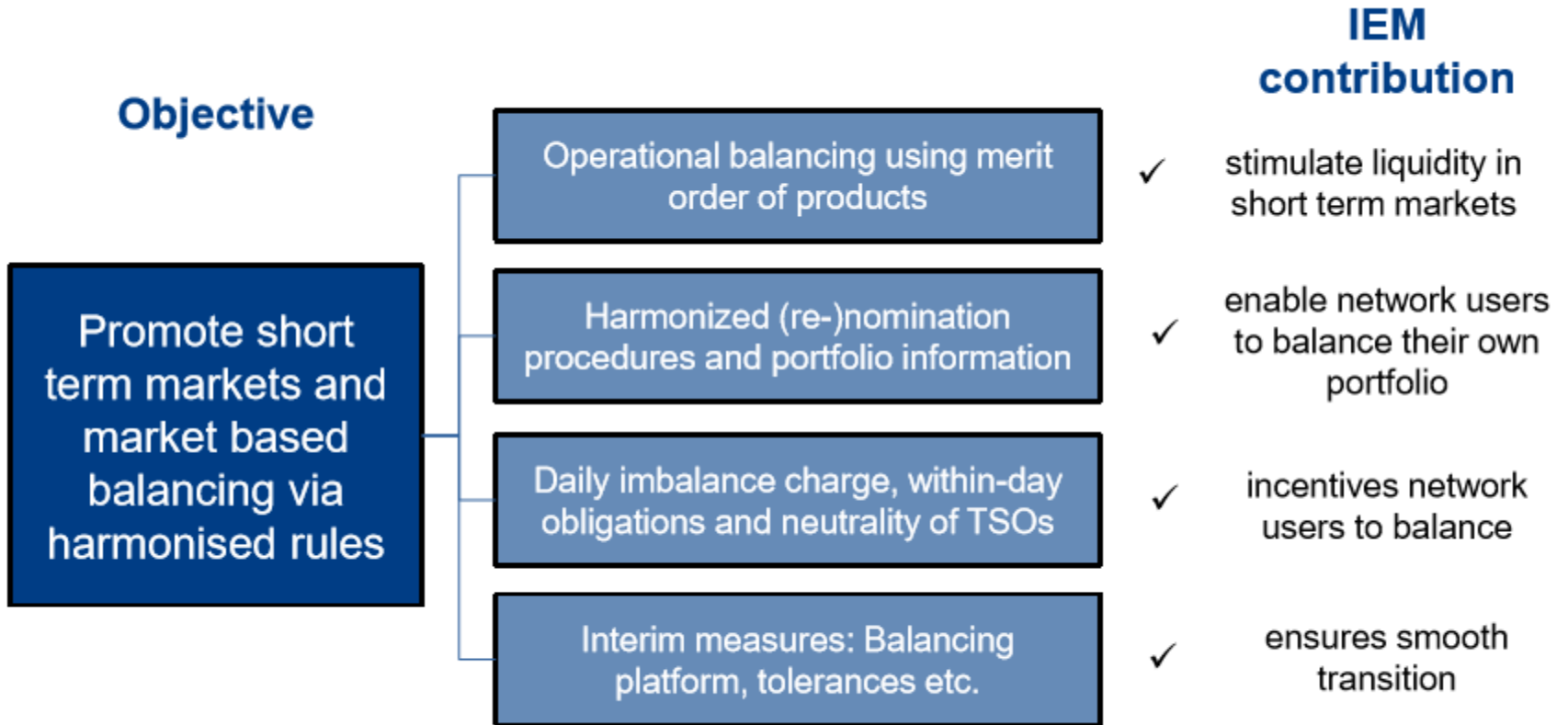
# Context and TSO role development

## Delivering the “Balancing Target Model”



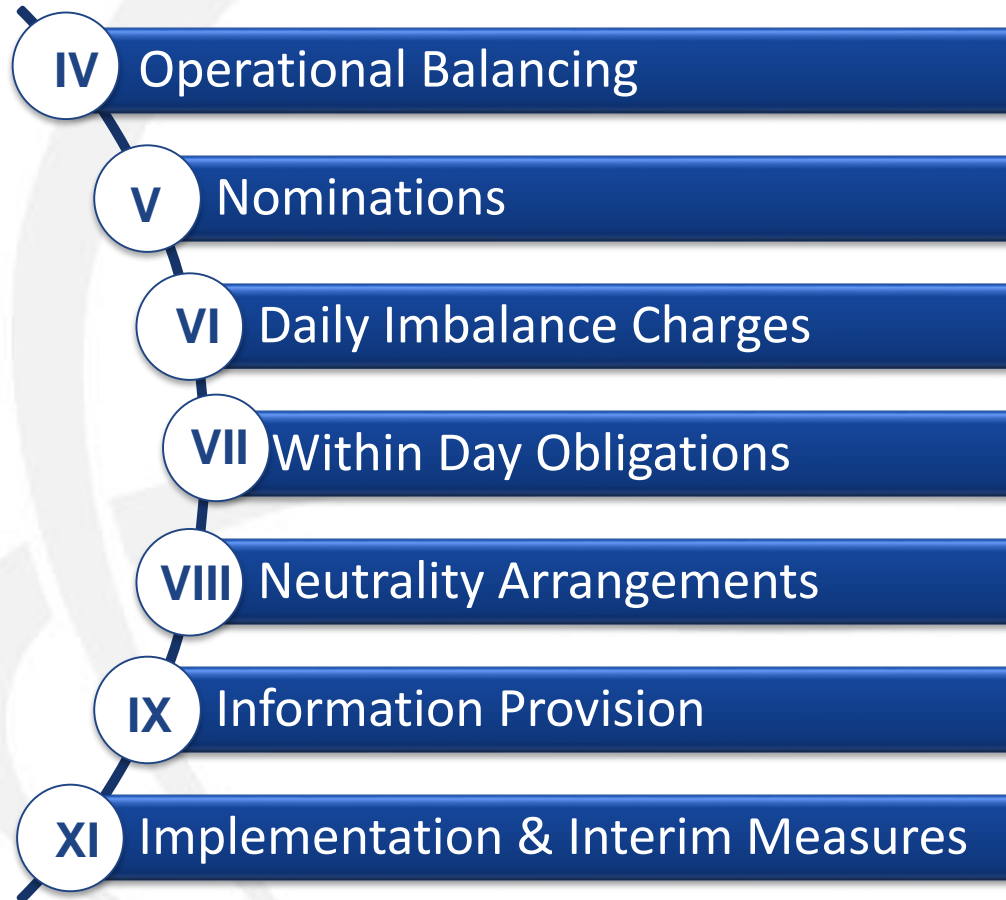


# Objective of the BAL NC Balancing Network Code

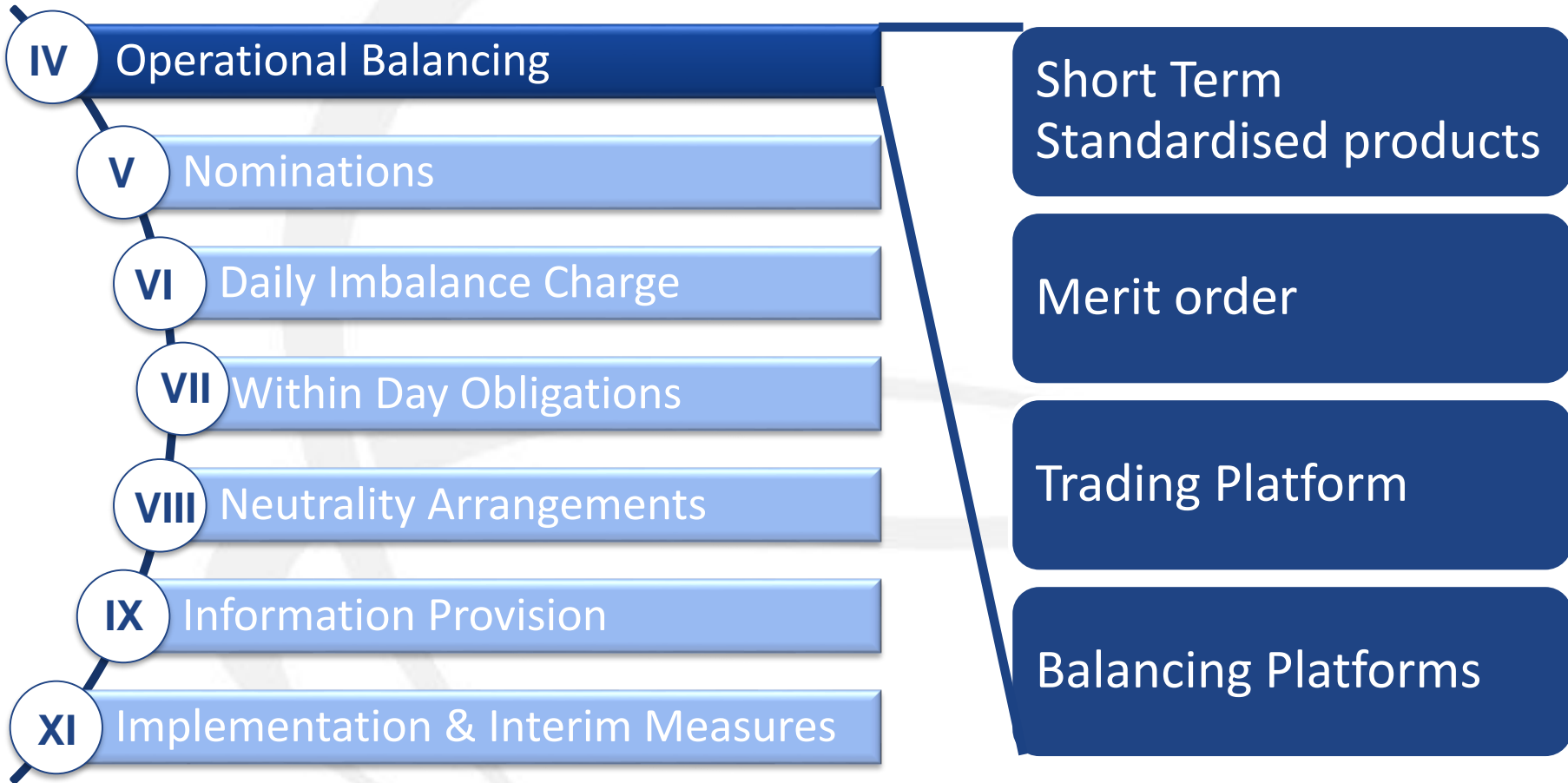




# Balancing Network Code – Key chapters



# Balancing Network Code – Key chapters



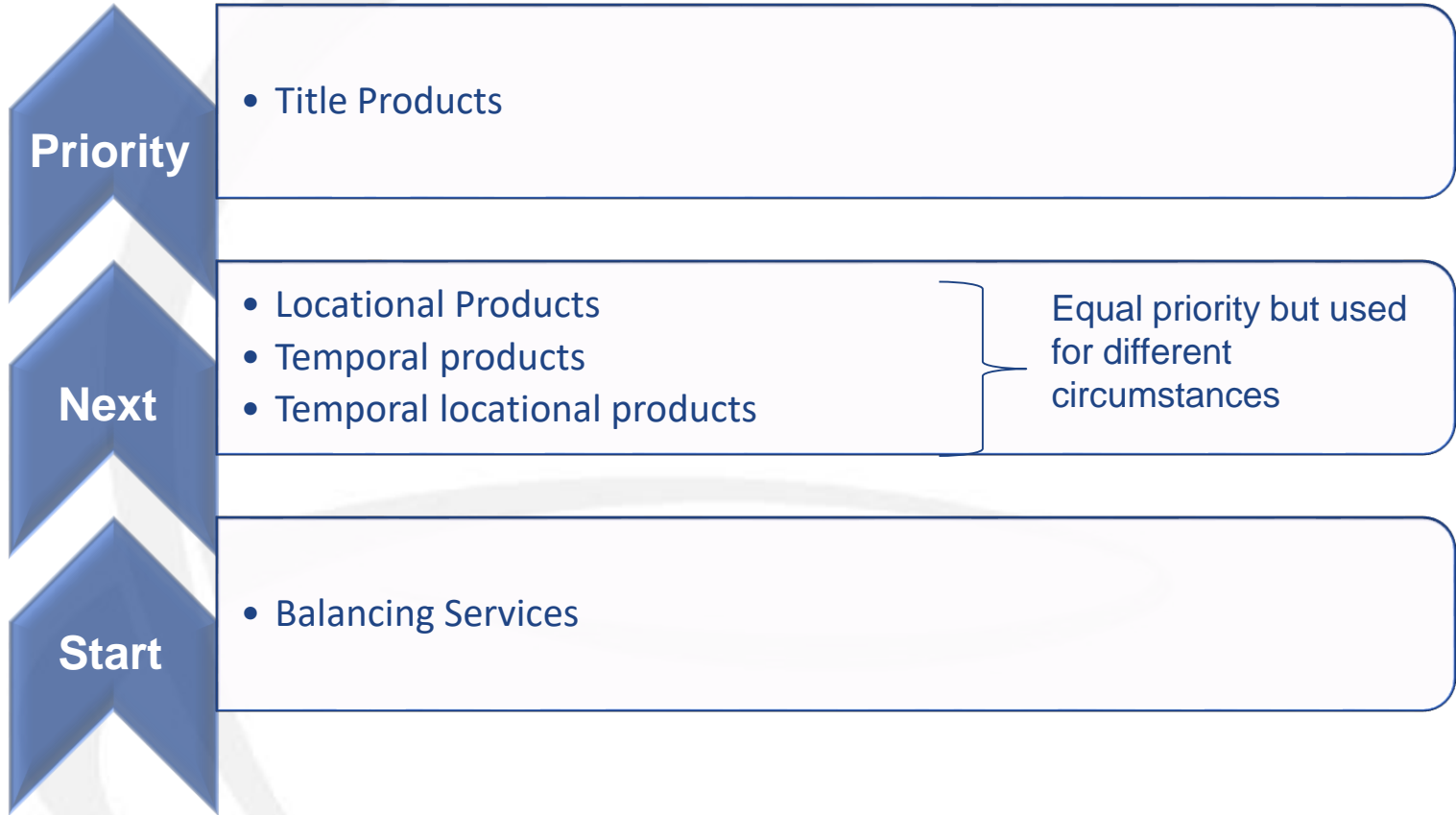




# Operational Balancing



Merit Order



... designed to promote liquidity and efficiency





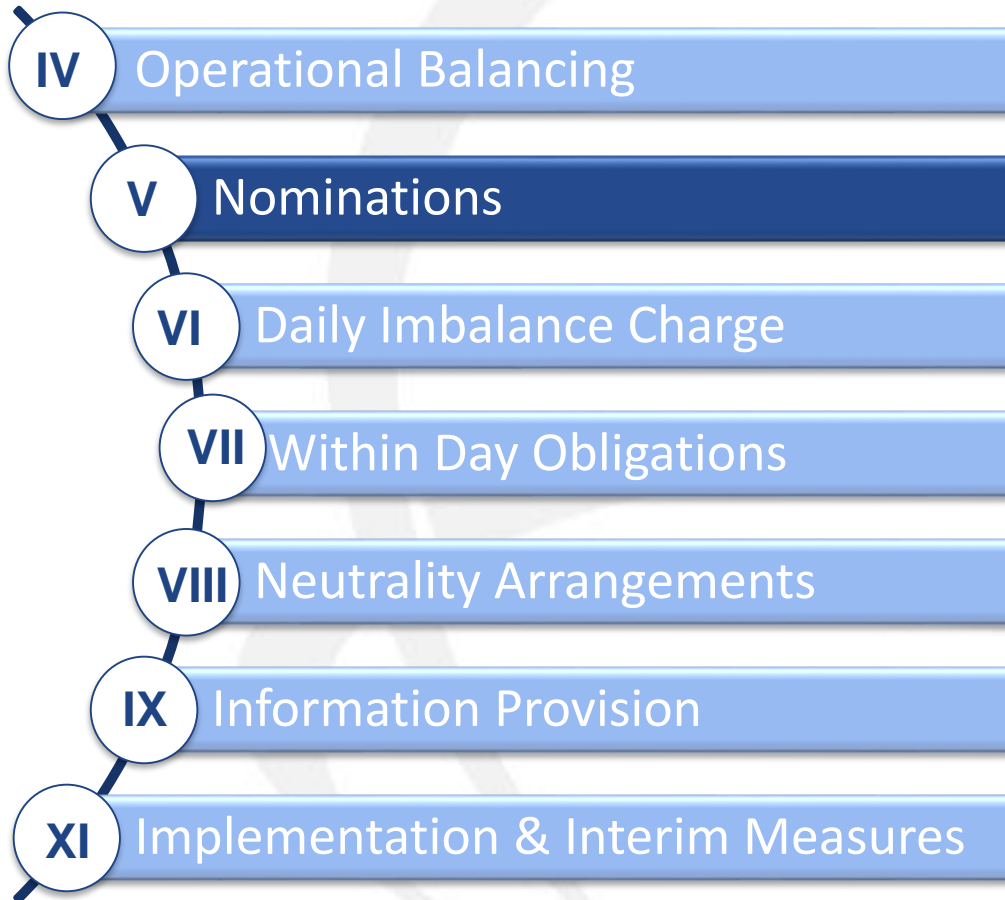
# Monitoring – Balancing Actions



Cluster	Balancing zone	WD title	DA title	WD locational	DA locational	WD temporal	WD temporal locational	Balancing Platform	Balancing Services
2015	AT	100.0							
	BELUX-H	100.0							
	BELUX-L	100.0							
	DE-GASPOOL	59.9	36.8	0.8	0.3			0.0	2.2
	DE-NCG	51.0	19.5	0.0	0.0	0.0	29.2	0.2	0.2
	DK	100.0							
	FR-PEG Nord	98.1		1.9					
	FR-TRS	98.7		1.3					
	HU	99.8		0.1					
	NL	45.3					54.7		
SI	26.8	72.4						0.8	
UK-GB	100.0								
2016	CZ	78.4	21.6						0.0
	ES	59.8	40.2						0.0
	HR	21.3	0.0	0.0	0.0			78.6	0.0
	IT	99.4	0.6	0.0	0.0				
	PT								100.0
Interim measures	BG-N								100.0
	BG-T								100.0
	EL								100.0
	IE								100.0
	LT	10.3							89.7
	LV								100.0
	PL-H	99.9							0.1
	RO								100.0
	SE								100.0
SK							100.0		
UK-NI								100.0	
Derogation	EE								100.0



# Balancing Network Code – Key chapters

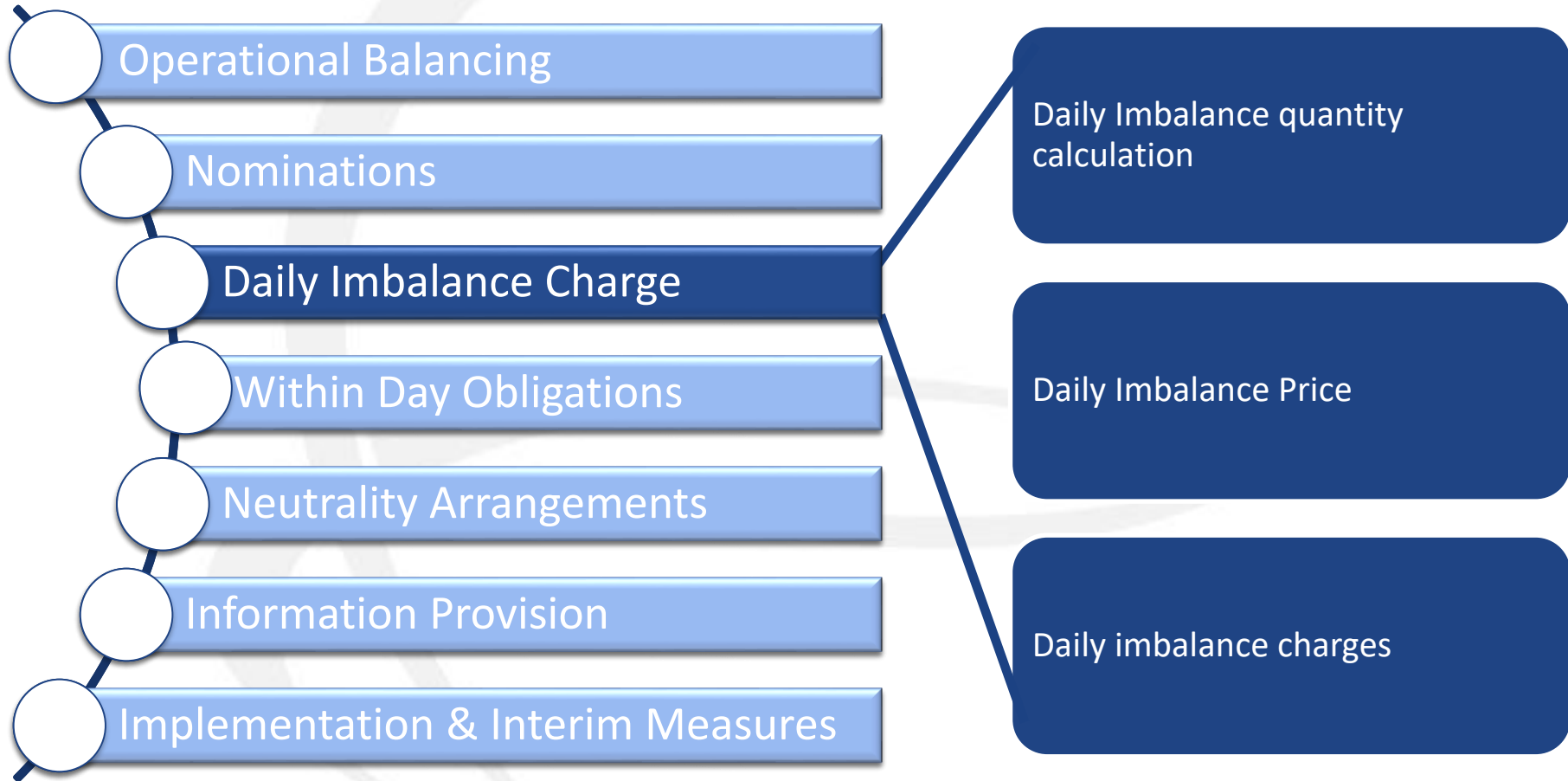


Harmonized (re)nomination procedures at IPs



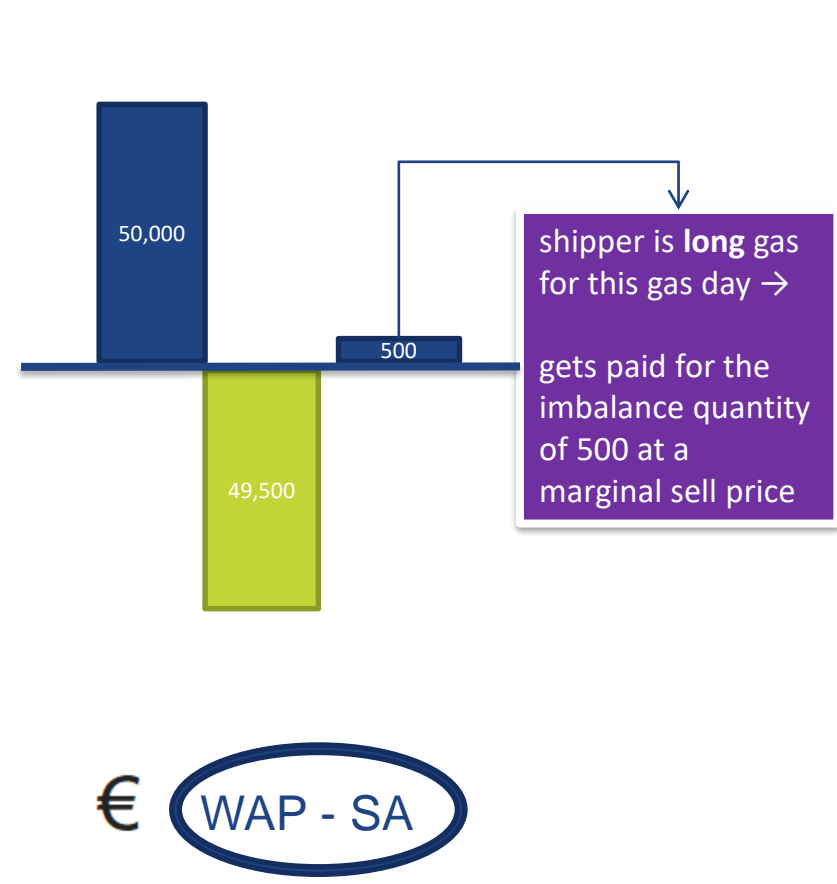
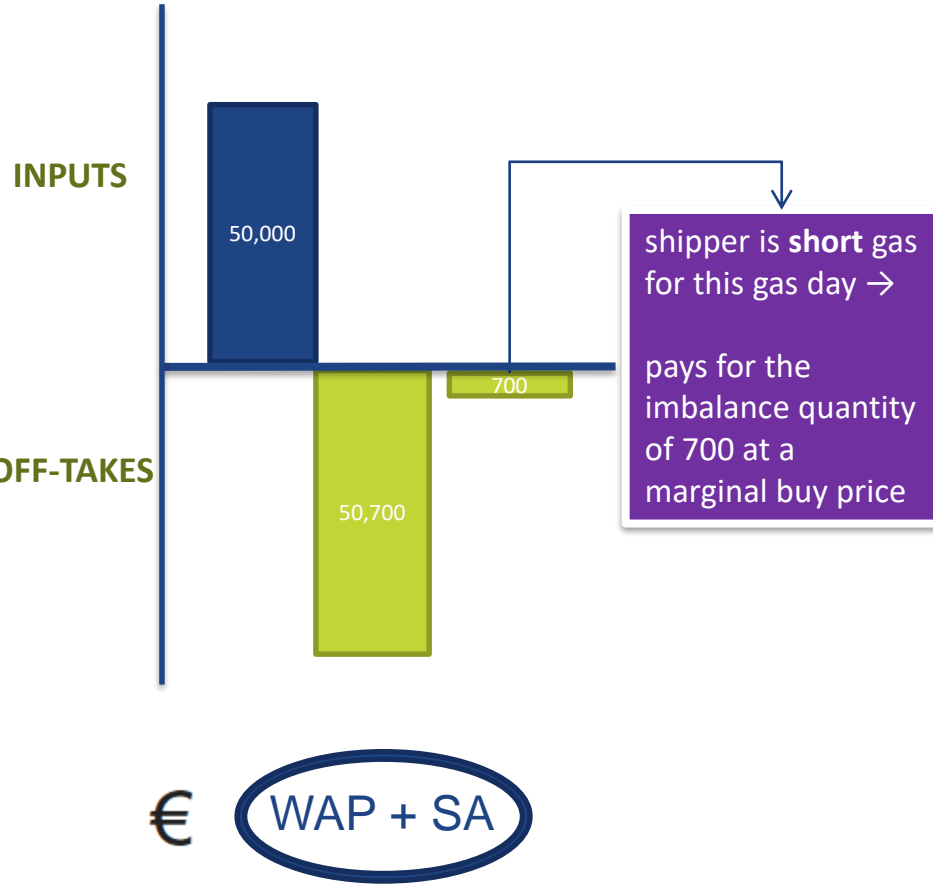


# Balancing Network Code – Key chapters

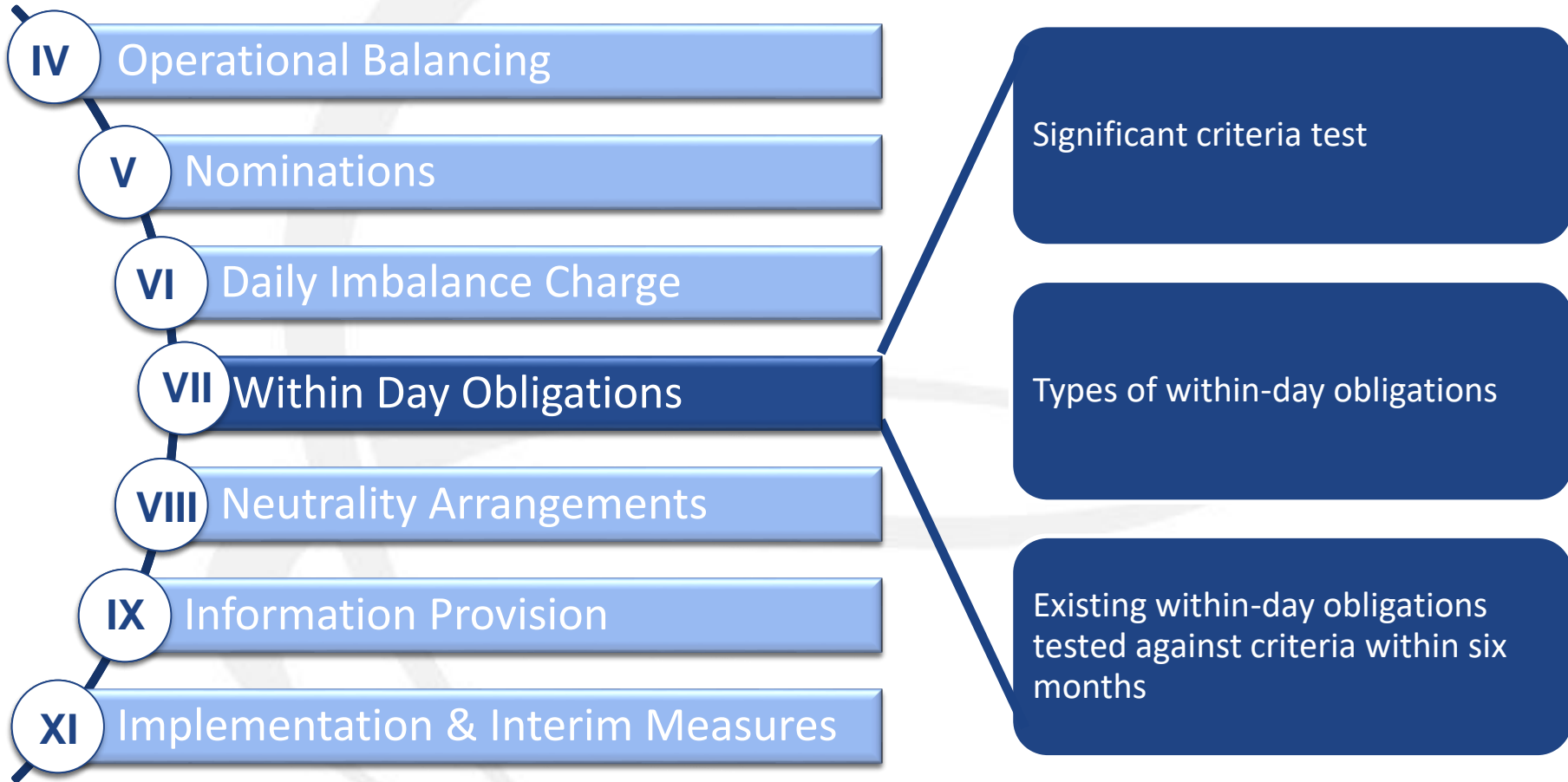




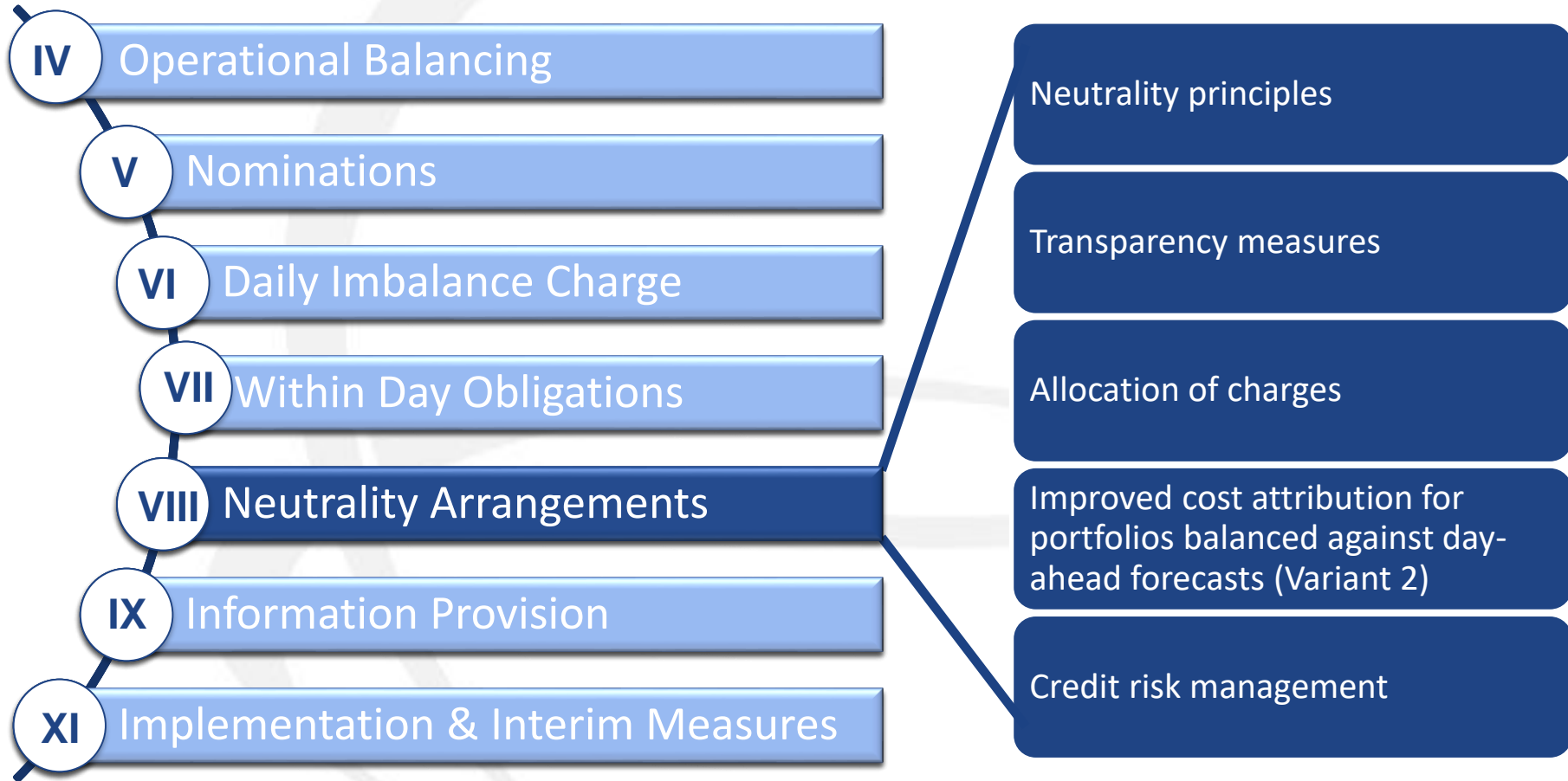
# Daily Imbalance Charges



# Balancing Network Code – Key chapters

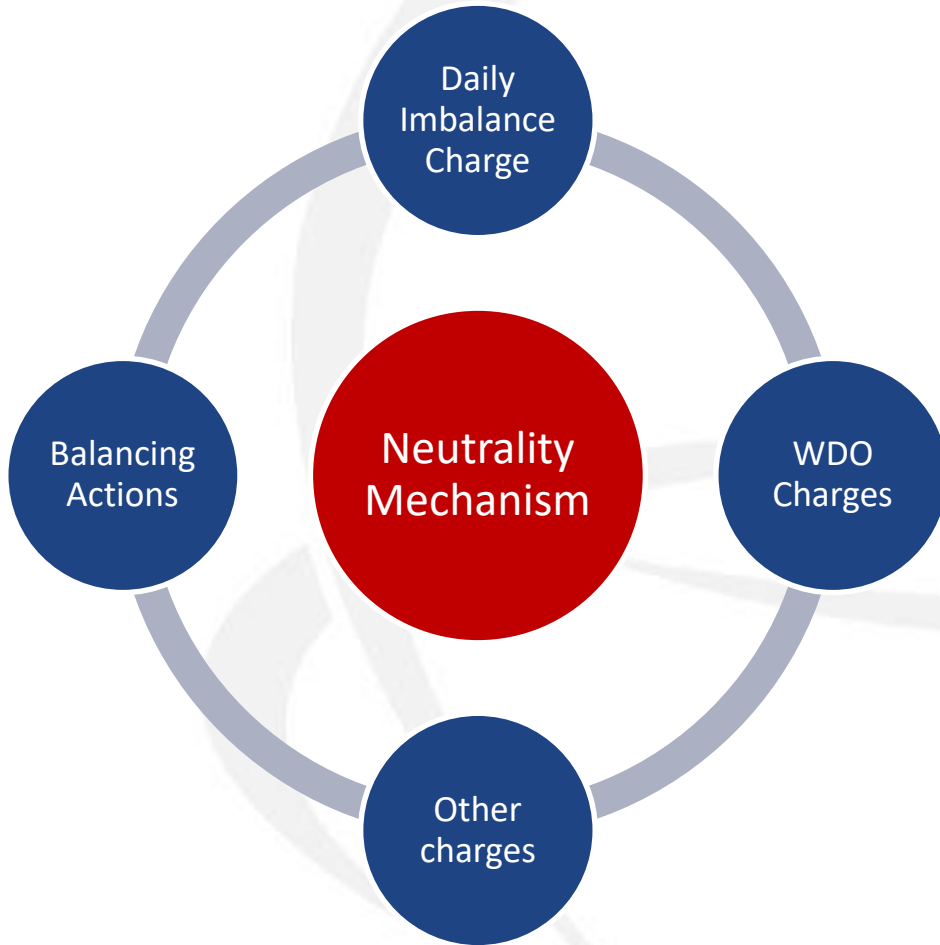


# Balancing Network Code – Key chapters





# What are the financial elements of the balancing activities



A neutrality mechanism will then be designed, with the code setting out some key measures:

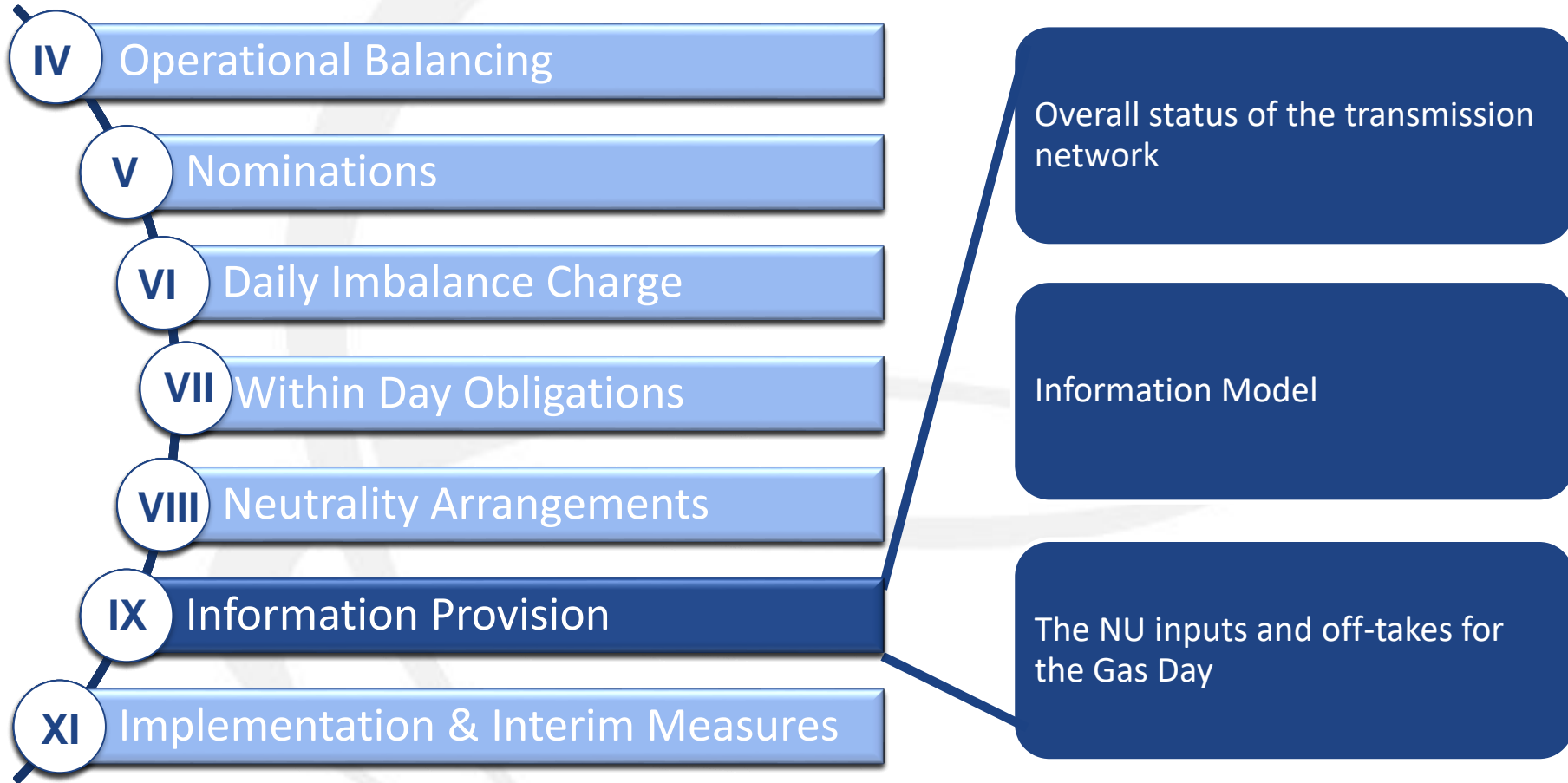
- Rules on what is allowed to be recovered
- Transparency measures
- Shippers charged based on use of system
- Credit risk management



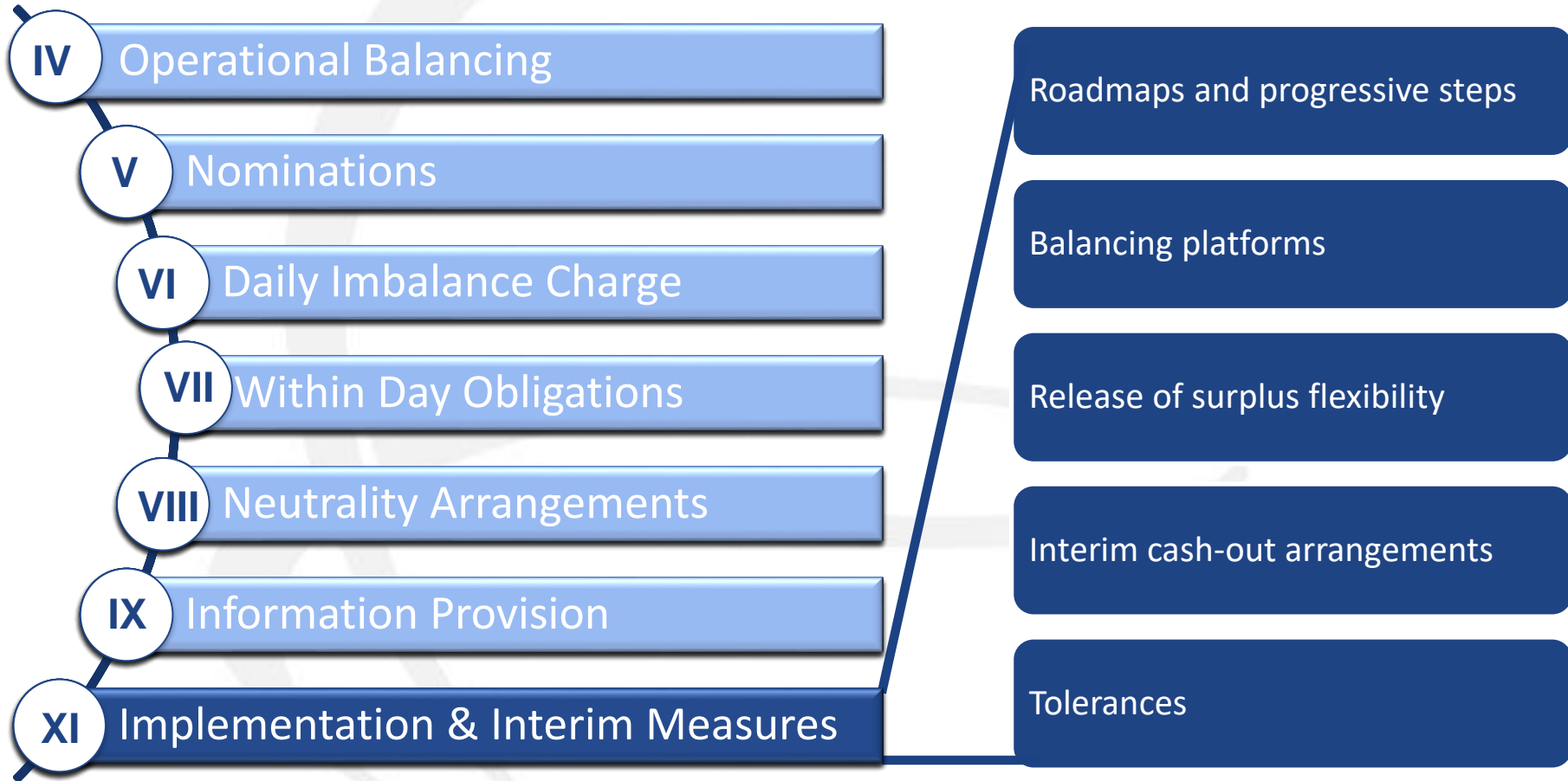




# Balancing Network Code – Key chapters



# Balancing Network Code – Key chapters





# Thank You for Your Attention

10 April 2019

Arjan Kleine

ENTSO G -- European Network of Transmission System Operators for Gas  
Avenue de Cortenbergh 100, B-1000 Brussels

EML: [arjan.kleine@entsog.eu](mailto:arjan.kleine@entsog.eu)

WWW: [www.entsog.eu](http://www.entsog.eu)