



Stakeholder Forum in London, 14 June 2013

NWE Day-Ahead Price Coupling

NWE High Level Architecture





Agenda

(1) NWE and its benefits

(2) NWE – Behind the Scenes

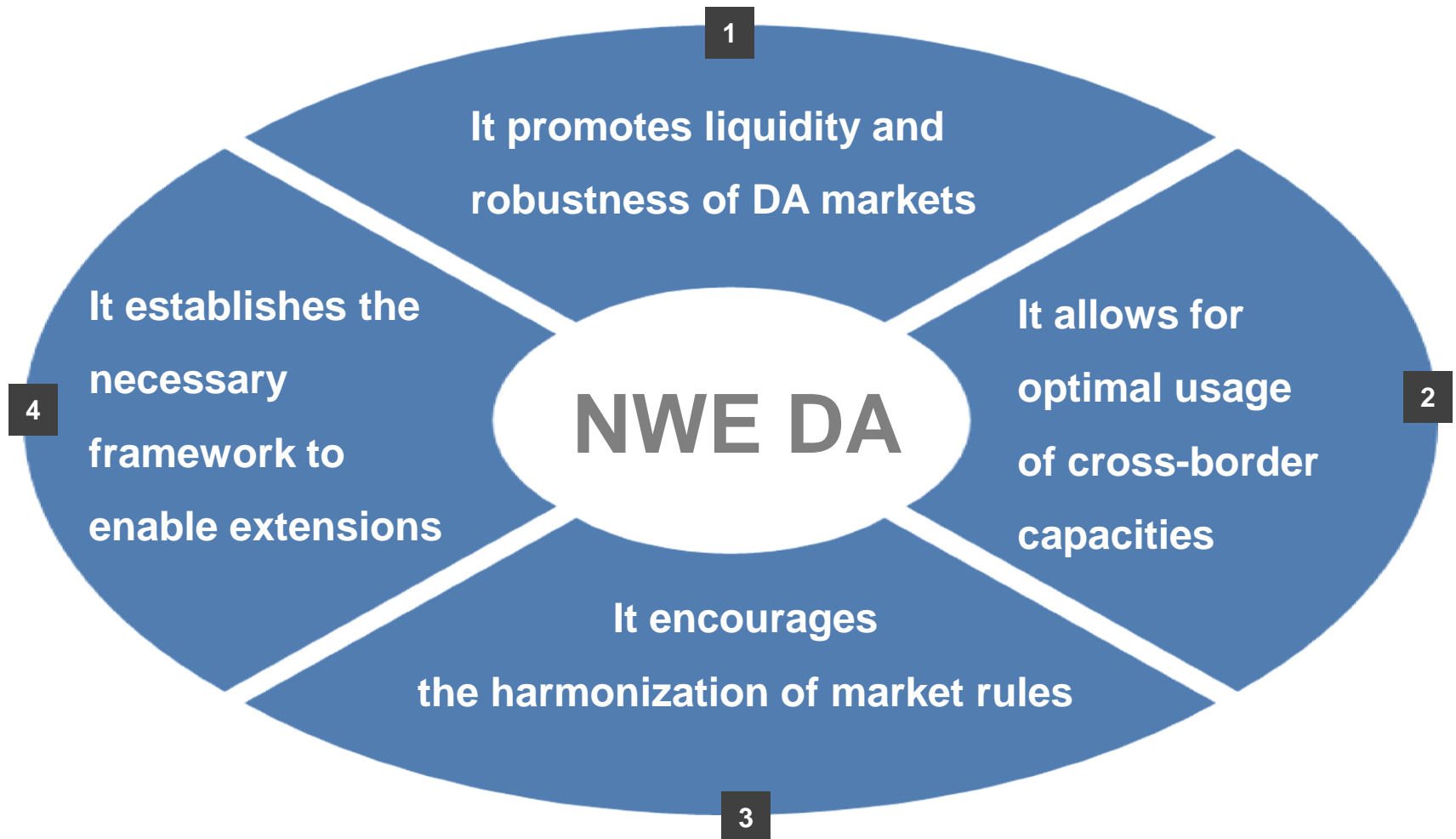
(3) High Level Architecture

(4) Comparison ITVC vs. NWE



NWE – Driving European Market Integration

„NWE is more than the sum of its parts“





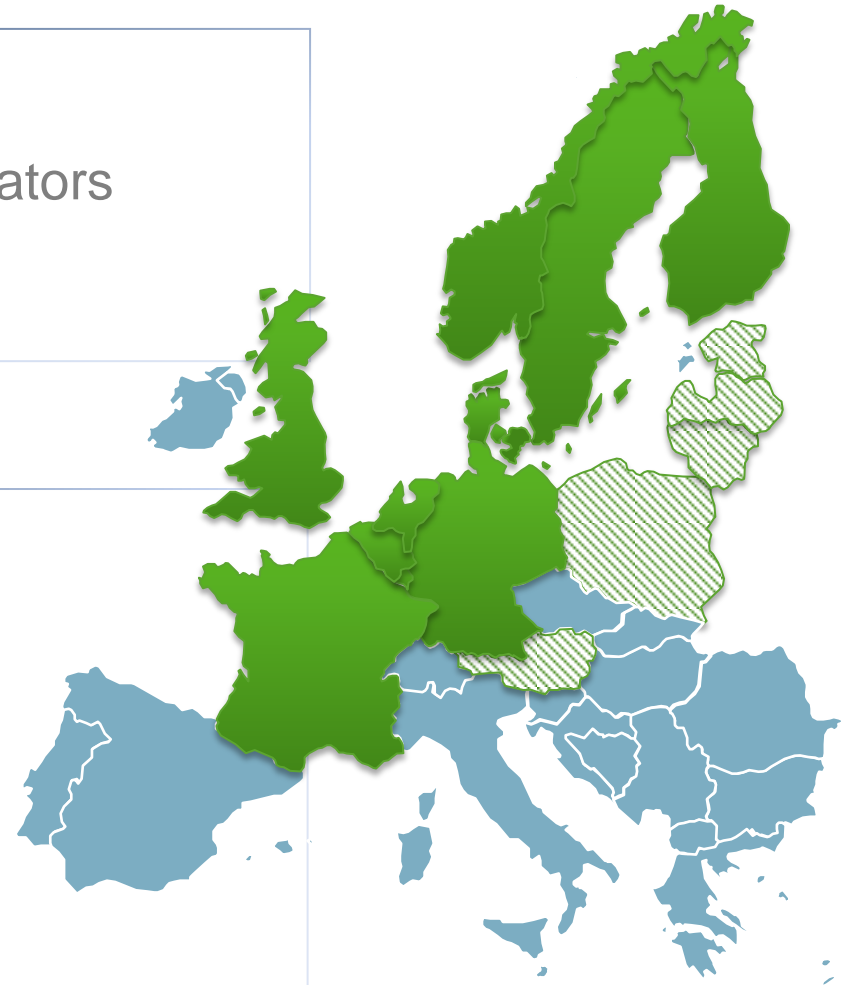
NWE – Behind the Scenes

Parties involved

- 13 Transmission System Operators
- 4 Power Exchanges

Systems & interfaces

- Approx. 50 systems involved
- Approx. 250 interfaces
- 40 serviced interconnectors
- 30 bidding zones



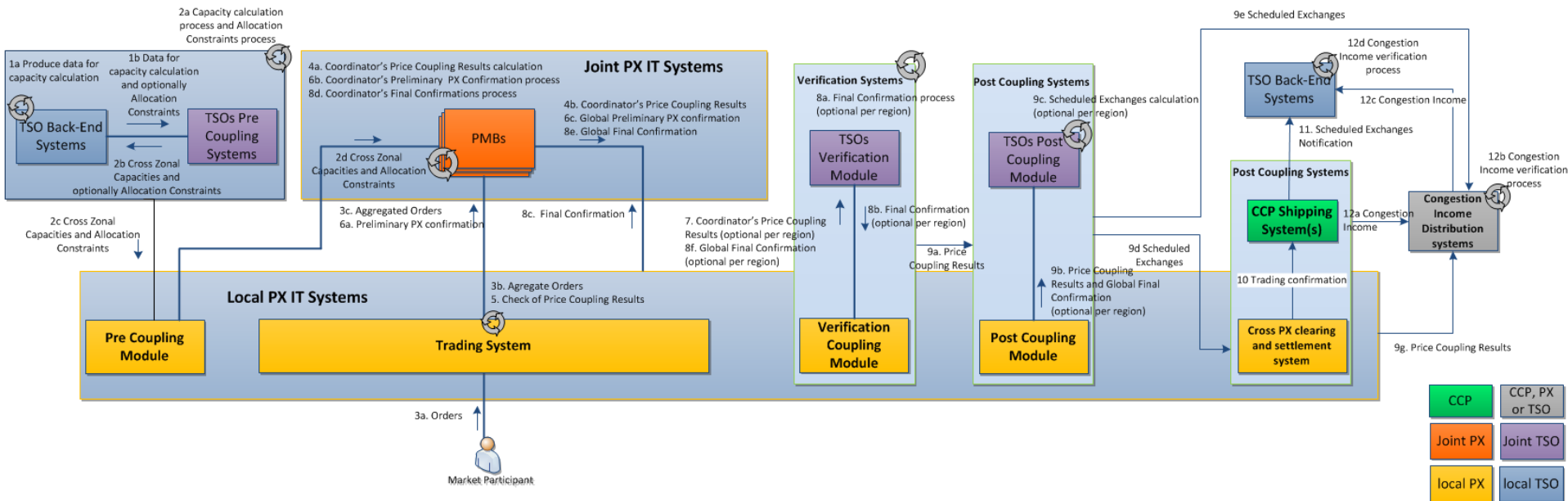


High Level Architecture (I)

Precoupling

Coupling

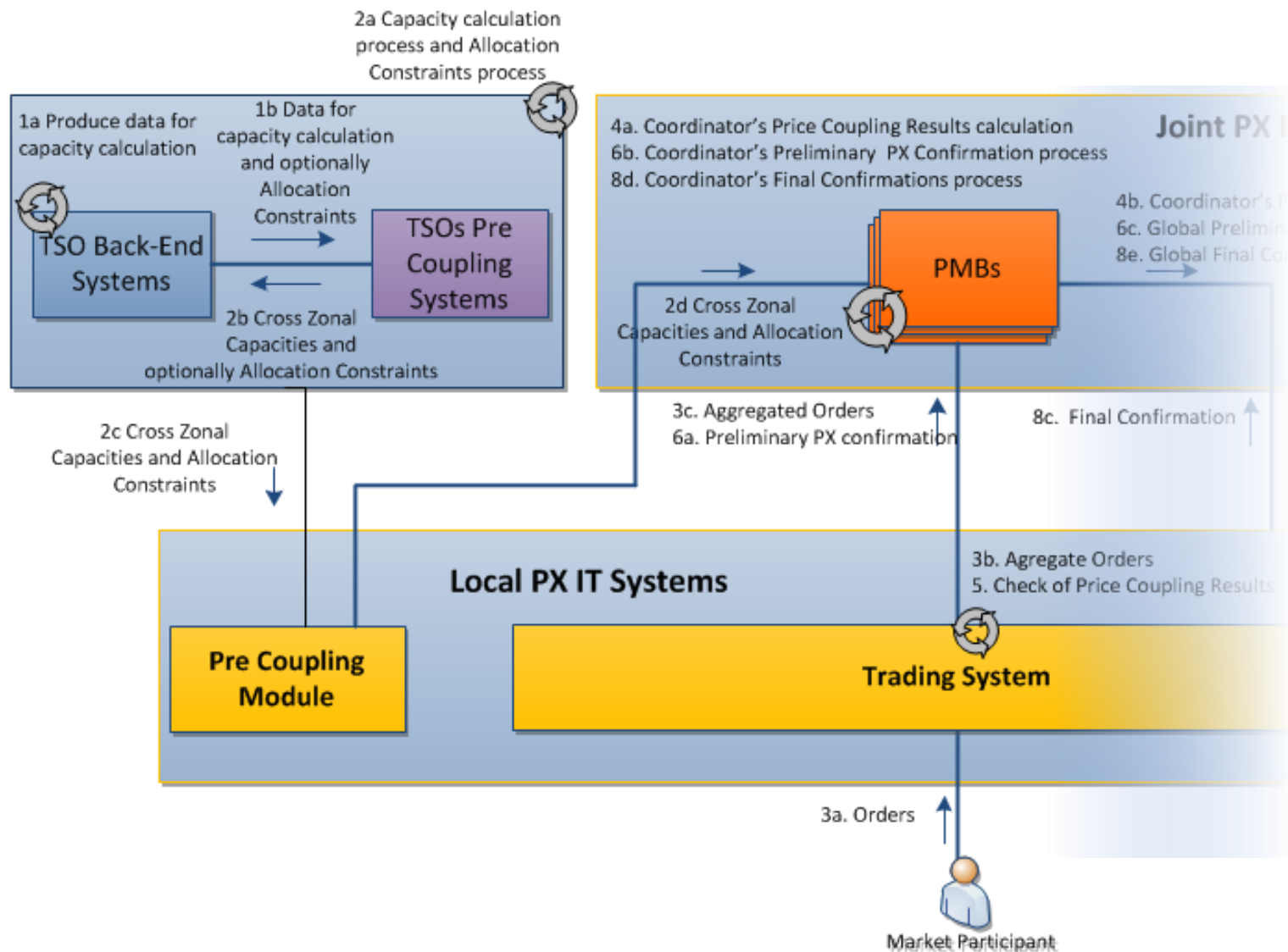
Postcoupling





High Level Architecture (II)

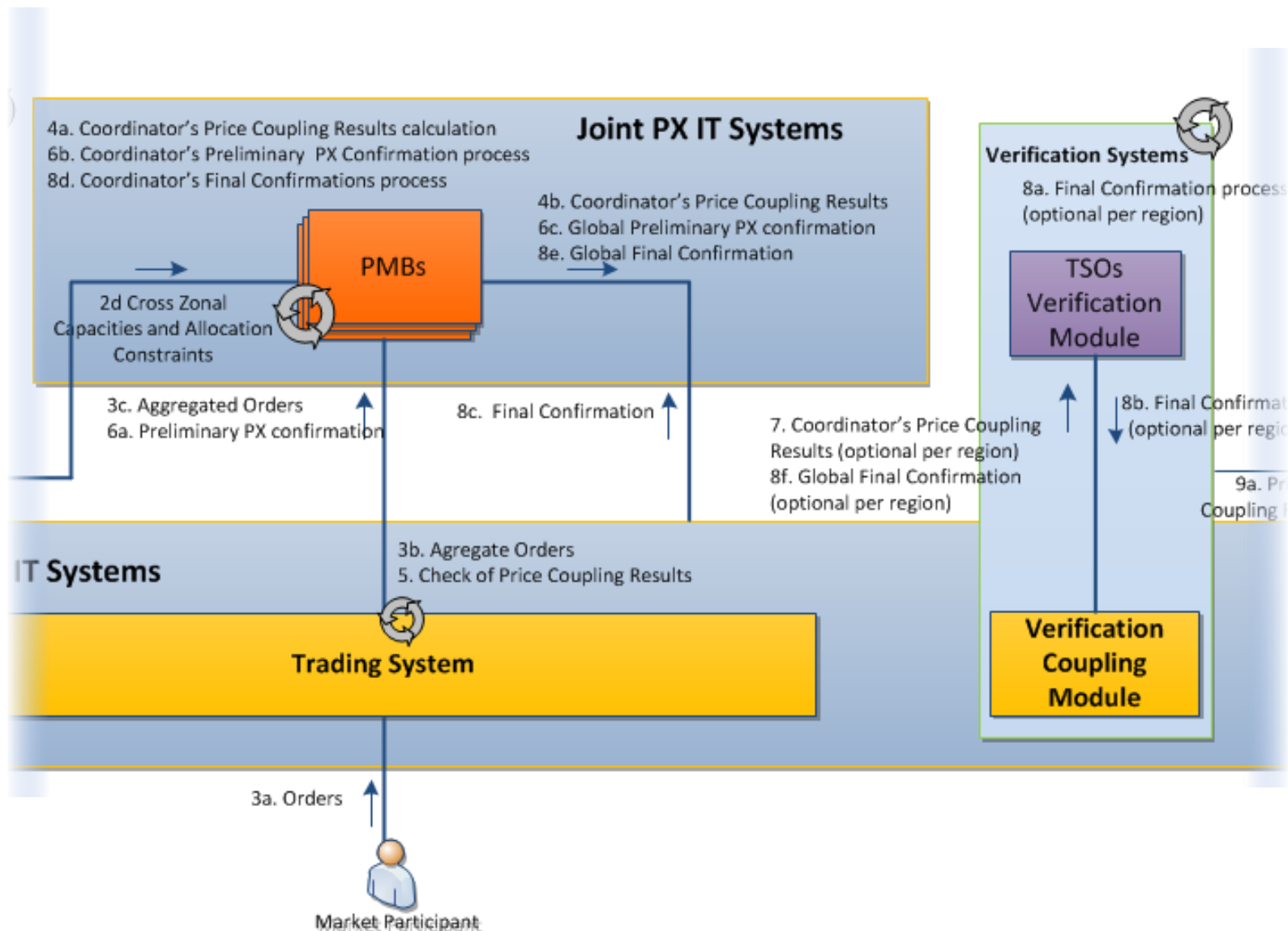
Precoupling





High Level Architecture (III)

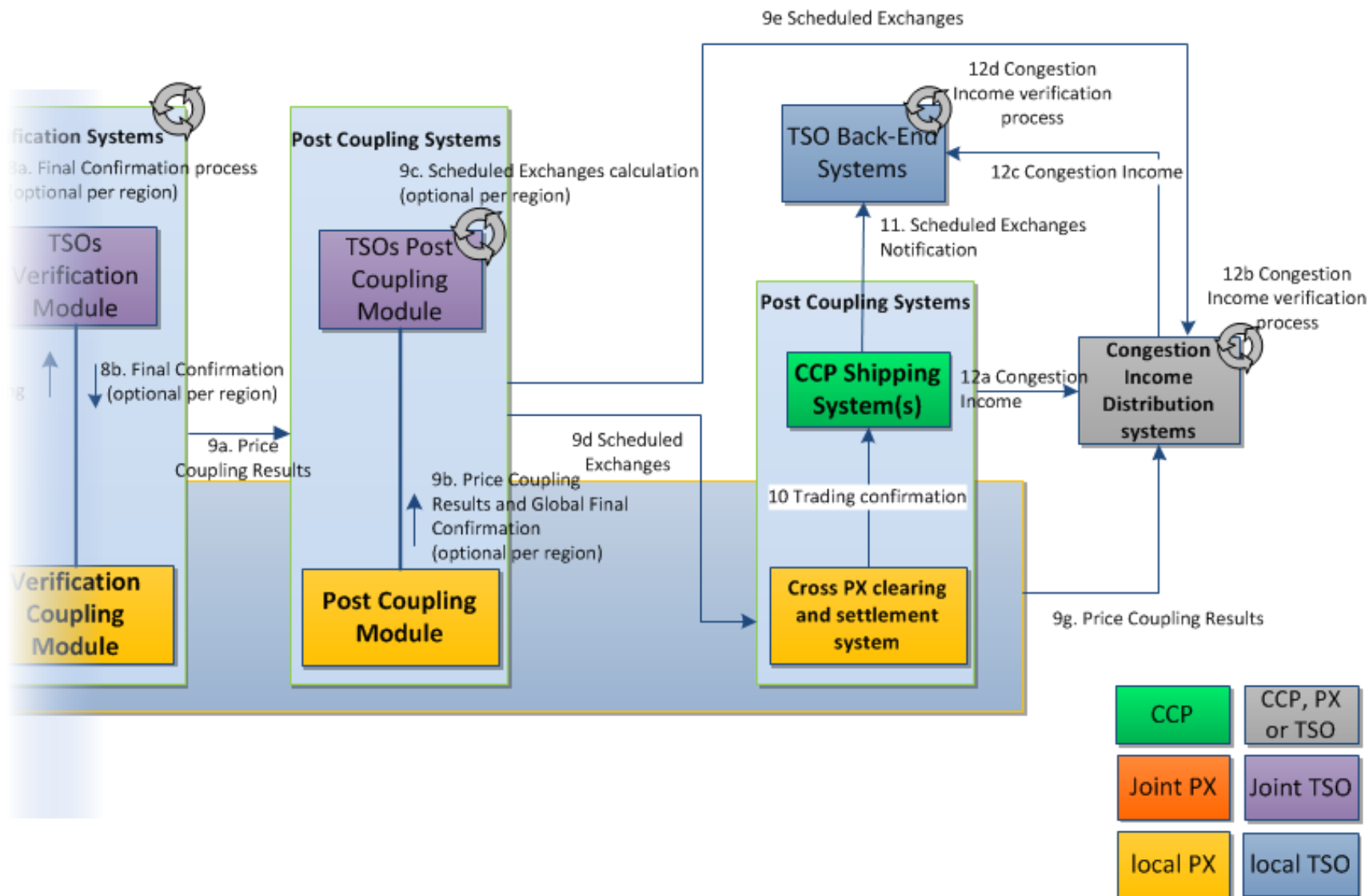
Coupling





High Level Architecture (IV)

Postcoupling





Comparison ITVC vs. NWE

ITVC



- Two separate Market Couplings (Nordic + CWE) linked by a volume coupling entity (EMCC)
- Sequential calculation approach
- Possibility of scheduling non-optimal adverse flows
- No common algorithm applied

- Full coupling with GB
- One single price coupling based on a single calculation
- Adverse flows will only occur if they are welfare-optimizing
- One single common algorithm to allow for a sound and robust price formation

NWE

