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# ENTSO-E FLOW-BASED PARAMETERS TRANSPARENCY PROCESS IMPLEMENTATION GUIDE

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2015-11-04

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DRAFT DOCUMENT  
VERSION 1.0

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## Revision History

Version	Release	Date	Comments
1	0	2015-11-04	First drafting of the document based on the maintenance request EMFIP22 from WG MIT to comply with article 11.1 of the transparency regulation (EU N°543/2013).

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## 1 Objective

The objective of this document is to enable the data providers to submit the relevant information to tackle article 11.1 of transparency regulation (EU N°2013/543).

It takes also into account the EU regulation N°2015/1222 on establishing a guideline on capacity allocation and congestion management, and the CWE national regulatory agencies requirements on publication and in particular:

“The ex-post publication of the CBCOs with anonymized, fixed specifications is assessed as a positive solution, making it possible for market players to make statistical studies between external events, FB parameters and market outputs in order to forecast market prices”.

This document provides the business context and in particular the dependency table to be applied to the xsd schema of the ENTSO-E critical network element implementation guide.

## 2 Publication of relevant information related to flow-based

Article 11.1 of the transparency regulation (EU N° 543/2013) requires that “the relevant flow based parameters in case of flow based capacity allocation” shall be submitted to the transparency platform.

In the definitions in article 2.16, it is stated that “flow based parameters” mean the available margins on critical network elements with associated power transfer distribution factors.

Figure 1 displays the sequence diagram and in particular the exchange towards the market information aggregator.

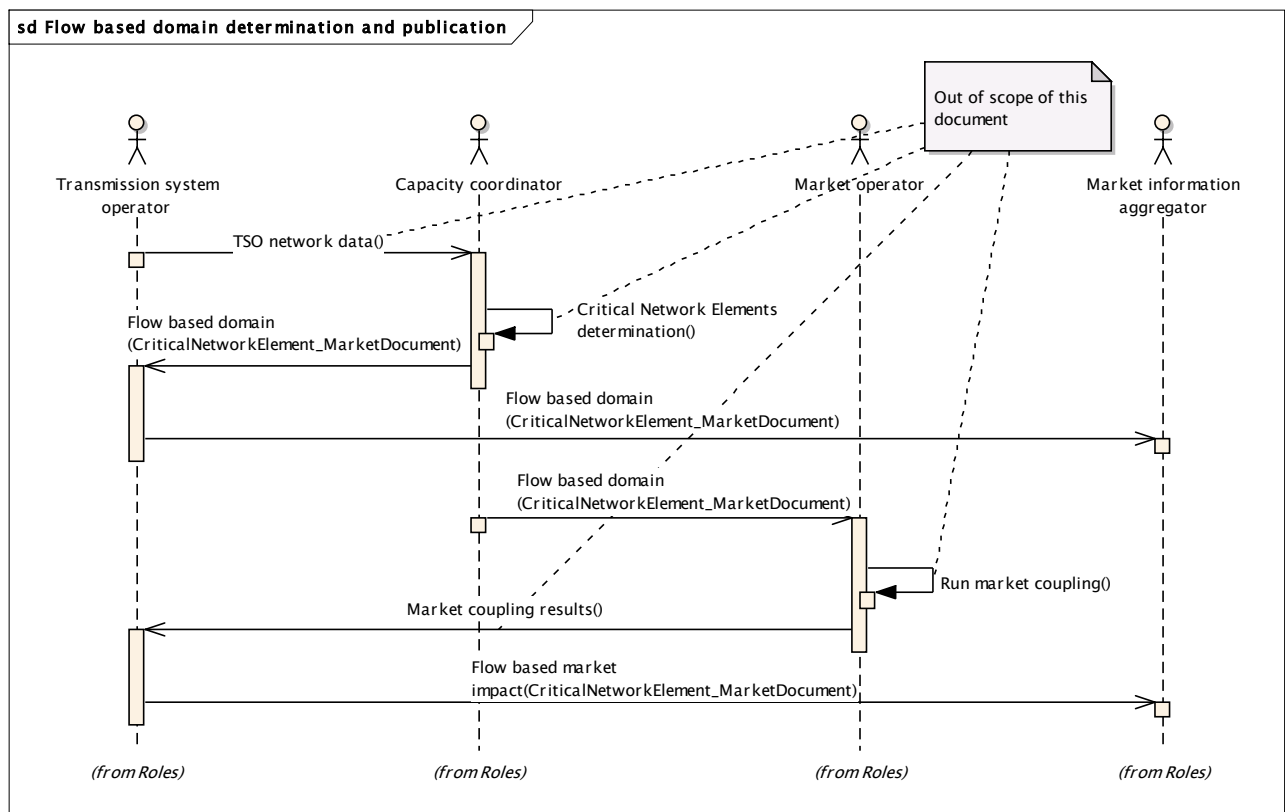


Figure 1 – Flow of information

This document deals thus with the exchange towards the market information aggregator; however, the sender of this document could be either the transmission system operator or the capacity coordinator.

For each anonymous designation of the critical network element and critical outage (CBCO) (described with a free text descriptor), the remaining allocation margin and the PTDF (i.e. variations in net positions) per bidding zone are provided.

Table 1 provides the dependency matrix to be used for this information exchange. This table takes into account the requirements of “fixed anonymisation” issued by the CWE National regulatory agencies, i.e. the mRID of the Constraint\_TimeSeries contains an anonymous identification of the critical network element and critical outage (CBCO).

**Table 1 – Critical Network Element Document Dependency table for submissions to ENTSO-E transparency platform**

Class	Attribute	Remarks
CriticalNetworkElement_MarketDocument	type	B11 = Anonymized flow based parameters publication
	process.processType	A01 = Day ahead A02 = Intraday
	sender_MarketParticipant.marketRole.type	A36 = Capacity coordinator A04 = TSO
	receiver_MarketParticipant.marketRole.type	A32 = Market information aggregator
	domain.mRID	EIC code of region
TimeSeries	mRID	Unique ID
	in_Domain.mRID	not used
	out_Domain.mRID	not used
	businessType	B39 = Flow based domain adjusted to long term schedules
	curveType	A03 or A01
Period	timeInterval	The start and end of the concerned day as AAAA-MM-DDTHH:MMZ
	resolution	PT60M
Point	position	Value beginning with 1 indicating the breakpoint
Constraint_TimeSeries	mRID	Anonymous code of the critical network element and critical outage (CBCO)
	businessType	B09 = Net position
	name	Not used
	quantity_Measurement_Unit.name	MAW
	externalConstraint_Quantity.quantity	not used
	pTDF_Measurement_Unit.name	MAW
	shadowPrice_Measurement_Unit.name	not used
	currency_Unit.name	not used
	party_MarketParticipant.mRID	not used
Outage_RegisteredResource	Not used	
RemedialAction_RegisteredResource	Not used	
Monitored_RegisteredResource	mRID	not used
	name	not used
	in_Domain	not used
	out_Domain	not used
	in_AggregateNode	not used

Class	Attribute	Remarks
	out_AggregateNode	not used
	flowBasedStudy_Domain.mRID	EIC code of the region
	flowBasedStudy_Domain.flowBasedMargin_Quantity.quantity	RAM
	marketCoupling_Domain.mRID	not used
	marketCoupling_Domain.shadow_Price.amount	not used
Analog	Not used	
Analog Values	Not used	
PTDF_Domain	mRID	EIC code of bidding zone
	pTDF_Quantity.quantity	Provide the PTDF factor for the bidding zone. The value could be positive or negative.

### 64 3 Contextual and assembly models

65 The contextual and assembly models are to be found in the “ENTSO-E critical network  
66 element implementation guide”.

67 The xsd schema is also to be found in the above referred implementation guide.