



ENTSO-E TRANSPARENCY PLATFORM DATA EXTRACTION PROCESS IMPLEMENTATION GUIDE

2023-02-02

APPROVED
VERSION 1 RELEASE 5

Table of Contents

| | | | |
|----|-----|--|----|
| 2 | | | |
| 3 | 1 | Objective | 5 |
| 4 | 2 | Request for published transparency information – use case and process sequence | 5 |
| 5 | 3 | Contextual and assembly models | 6 |
| 6 | 4 | Request interfaces | 6 |
| 7 | 5 | Content of the request | 6 |
| 8 | 6 | Format and content of the response | 8 |
| 9 | 7 | Status Request Document dependency tables | 8 |
| 10 | 7.1 | Load transparency data | 8 |
| 11 | 7.2 | Network and congestion management transparency data | 9 |
| 12 | 7.3 | Transmission transparency data | 10 |
| 13 | 7.4 | Generation transparency data | 13 |
| 14 | 7.5 | Balancing transparency data | 14 |
| 15 | 7.6 | Outages transparency data | 18 |
| 16 | 7.7 | Configuration transparency data | 18 |
| 17 | | List of figures | |
| 18 | | Figure 1 – Use case | 5 |
| 19 | | Figure 2 – Sequence diagram | 6 |
| 20 | | Figure 3 – example of Status Request Document | 7 |
| 21 | | List of tables | |
| 22 | | Table 1 – Dependency table for requesting Load data | 8 |
| 23 | | Table 2 - Dependency table for requesting Network and Congestion Management data | 9 |
| 24 | | Table 3 - Dependency table for requesting Transmission data | 12 |
| 25 | | Table 4 – Dependency table for requesting Generation data | 13 |
| 26 | | Table 5 – Dependency table for requesting Balancing data | 17 |
| 27 | | Table 6 – Dependency table for requesting Outages data | 18 |
| 28 | | Table 7 – Dependency table for requesting Configuration data | 18 |
| 29 | | | |

Copyright notice:

Copyright © ENTSO-E. All Rights Reserved.

This document and its whole translations may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, except for literal and whole translation into languages other than English and under all circumstances, the copyright notice or references to ENTSO-E may not be removed.

This document and the information contained herein is provided on an “as is” basis.

ENTSO-E DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Maintenance notice:

This document is maintained by the ENTSO-E CIM EG. Comments or remarks are to be provided at cim@entsoe.eu

47

Revision History

| Version | Release | Date | Comments |
|---------|---------|------------|---|
| 0 | 1 | 2016-04-11 | First drafting of the document based on the maintenance request EMFIP27 from WG MIT to comply with the transparency regulation (EU N°543/2013). |
| 0 | 2 | 2016-06-14 | Editorial amendments. |
| 0 | 3 | 2016-07-15 | Editorial amendments. |
| 0 | 4 | 2017-04-24 | Following ACER's review of revised MoP, incorporated decisions by WG MIT to enable EIC code as selection criteria when extracting data for articles 15.1.a-d and 16.1.a. Added chapter 7.7 with dependency matrix for extracting configuration data. For article 14.1.d, Process Type may be used as selection criteria. |
| 1 | 0 | 2018-01-18 | Introduced support for extraction of GL EB data. For transparency regulation article 13.1.a, introduced mandatory distinction between cross-border and internal redispatching. For extraction of configuration data, Implementation Date is a mandatory attribute. |
| 1 | 0 | 2018-02-05 | For GL EB article 12.3.b, reference to reserve type FCR removed since no publication of data foreseen. |
| 1 | 1 | 2018-10-25 | Maintenance request EMFIP48 in response to feedback from ACER: Added extraction of data published under GL EB article 12.3.a. Suppressed references to transparency regulation articles 17.1.d, 17.1.e and 17.1.j for which reporting will be phased out. Replaced placeholders for codes Axx and Ayy with references to final values. |
| 1 | 2 | 2019-05-09 | Editorial correction in dependency table for TR article 12.1.h. Amended dependency table for EB GL articles 12.3.h&i to distinguish data published on regional and border level, respectively. Approved by MC. |
| 1 | 3 | 2021-04-20 | Maintenance request EMFIP68: Introduction of standard and specific products as selection criteria for queries of TR art. 17.1.f and EB GL art. 12.3.b-d. Removed the duplicate table at the beginning of chapter 7.5. Approved by MC. |
| 1 | 4 | 2021-06-17 | Maintenance request EMFIP71: Publications of TR art. 17.1.b&c have been merged. Market Product may be used as selection criteria for EB GL art. 12.3.f. Added missing Process Types for mFRR in TR art. 17.1.f. Corresponding updates made in the dependency table in chapter 7.5. |
| 1 | 5 | 2023-02-02 | Maintenance request EMFIP81: Introduced in dependency table 5 the possibility to distinguish central and local selection of bids when extracting prices of activated balancing energy. Approved by ICTC. |

48

1 Objective

The objective of this document is to enable the data consumers to query information published in accordance with transparency regulation (EU N°2013/543) on the ENTSO-E central transparency platform.

This document provides the business context and in particular the dependency table to be applied to the xsd schema for the Status Request Document as per the CIM based standard IEC 62325-451-5.

2 Request for published transparency information – use case and process sequence

The central transparency platform allows data consumers to perform machine-to-machine queries for all structured data published under the transparency regulation since January 5, 2015. Reports in PDF formats are only available for download via the web site though.

Figure 1 displays the use case with the involved actors.

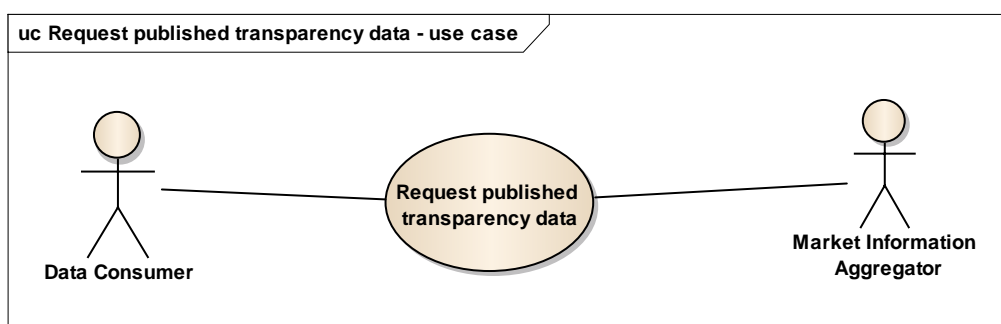


Figure 1 – Use case

Figure 2 displays the sequence diagram and in particular the exchange between data consumer and Market Information Aggregator.

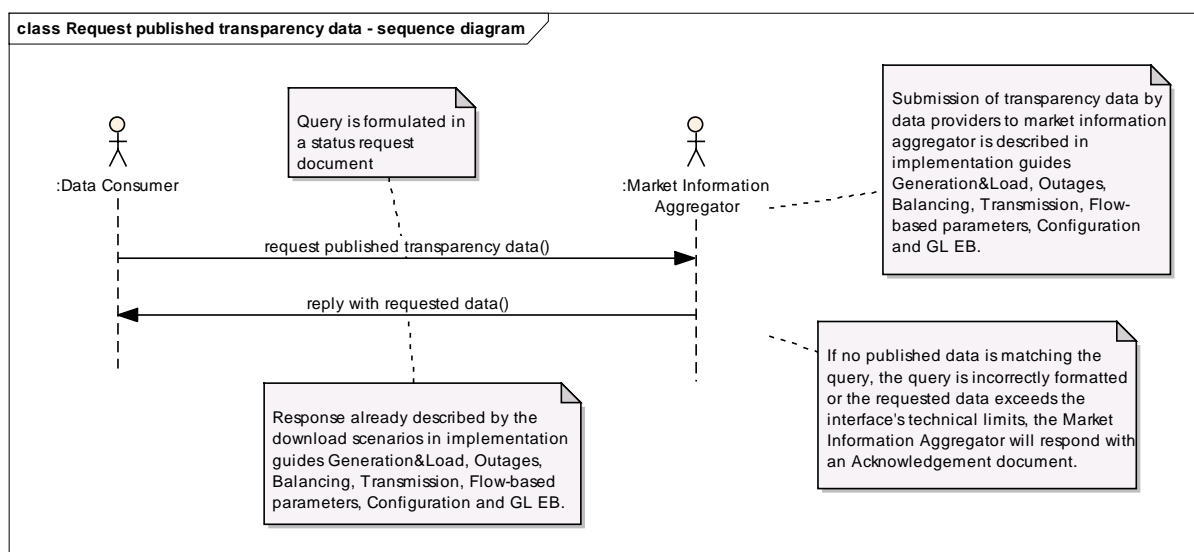


Figure 2 – Sequence diagram

Data consumer requests published transparency data by submitting a Status Request Document with some selection criteria. Market Information Aggregator responds to the request with a document containing the requested data.

The Market Information Aggregator will respond with a negative acknowledgement document if the request contains errors (not all mandatory attributes included, for example) or if no data matching the selection criteria is available.

Likewise, the Market Information Aggregator will respond with a negative acknowledgement document if the data volumes to be returned would exceed the technical limits imposed on the channel for the data exchange.

3 Contextual and assembly models

The contextual and assembly models for the Status Request Document are provided by the CIM standard IEC 62325-451-5. The CIM compliant XSD is provided on the ENTSO-E web site. The ENTSO-E Status Request Document implementation guide v3, also available on the ENTSO-E web site, serves as a generic reference for the concepts.

Contextual and assembly models for the response to the request are provided with documents described in IEC 62325-451-6. The corresponding XSDs may also be found on the ENTSO-E web site.

The central transparency platform provides data consumers with an on-line user manual for machine-to-machine data extractions. The manual contains for each Transparency Regulation article an example of how to query the interface and the platform's response to the request.

4 Request interfaces

Status request documents may be lodged to the central transparency platform via the channels implemented according to the MADES (IEC 62325-503) and web services (IEC 62325-504) standards. The response will be served via the same channel as the request. Additionally, a public web API has been implemented based on the https protocol.

5 Content of the request

A Status Request Document contains a list of key-value pairs. Each key-value pair consists of the fields attribute and attributeValue. These pairs of attribute and attributeValue will capture the selection criteria for the published transparency data. For example, a Data Consumer requests the data published under article 6.1.a (Actual Total Load) of the Transparency Regulation. The corresponding Status Request Document would contain the attribute "DocumentType" with the value "A65", an attribute "ProcessType" with value "A16", an attribute "BusinessType" with value "A04" and the attributes OutBiddingZone_Domain and TimeInterval to indicate the bidding zone and the time interval, respectively.

The example in the figure below shows how a Status Request Document is used to extract data published under transparency regulation articles 15.1.a&b (planned unavailabilities and changes in actual availability of generation units) for the National Grid control area during the month of April 2016:

```
<StatusRequest_MarketDocument xmlns="urn:iec62325.351:tc57wg16:451-5:statusrequestdocument:4:0">
  <mRID>SampleRequest</mRID>
  <type>A59</type>
  <sender_MarketParticipant.mRID codingScheme="A01">10V0000000000008F</sender_MarketParticipant.mRID>
  <sender_MarketParticipant.marketRole.type>A07</sender_MarketParticipant.marketRole.type>
  <receiver_MarketParticipant.mRID codingScheme="A01">10X1001A1001A450</receiver_MarketParticipant.mRID>
  <receiver_MarketParticipant.marketRole.type>A32</receiver_MarketParticipant.marketRole.type>
  <createdDateTime>2016-05-27T13:00:00Z</createdDateTime>
  <AttributeInstanceComponent>
    <attribute>DocumentType</attribute>
    <attributeValue>A80</attributeValue>
  </AttributeInstanceComponent>
  <AttributeInstanceComponent>
    <attribute>BiddingZone_Domain</attribute>
    <attributeValue>10YGB-----A</attributeValue>
  </AttributeInstanceComponent>
  <AttributeInstanceComponent>
    <attribute>TimeInterval</attribute>
    <attributeValue>2016-03-31T23:00Z/2016-04-30T23:00Z</attributeValue>
  </AttributeInstanceComponent>
</StatusRequest_MarketDocument>
```

Disclaimer: The example above is for illustration purposes only. It is highly recommended that implementation of any solution for querying the Central Transparency Platform shall be based solely upon the CIM standard IEC 62325-451-5 for the Status Request Document.

Figure 3 – example of Status Request Document

As a general rule, a given attribute may not be used more than one time in the Status Request Document. This means that if data consumer for example wants to query data for article 6.1.a Actual Total Load for both Belgian and French bidding zones, two separate Status Request Documents have to be submitted.

The attributes OutBiddingZone_Domain, In_Domain, Out_Domain, BiddingZone, Acquiring_Domain, Connecting_Domain and ControlArea are used to specify an area. In the specific case of transparency regulation article 12.1.e, In_Domain and Out_Domain may refer to a border. The attribute value shall contain the EIC code of the area (or border in the case of article 12.1.e). EIC codes for areas and borders can be found on the ENTSO-E website.

Data consumer may query any area or border for which the central transparency platform publishes data. For example, actual total load (regulation article 6.1.a) is published for the bidding zone comprising Germany, Austria and Luxemburg. No data is published on the level of the synchronous zone of Continental Europe though. Hence, a query for the latter would yield a negative acknowledgement response.

When queries are submitted via the interfaces based on MADES (IEC 62325-503) and web services (IEC 62325-504), there should in principle be no constraints on the time interval for which data is requested. Actual technical implementation of the interface may have to impose limits in order to preserve availability and reasonable response times in the interest of all data consumers. Any such constraints will be described in the on-line user manual.

In general, the public web API based on https can support queries with a time interval up to one year. Due to technical limitations of this interface, tighter constraints on the permitted time interval may apply for select transparency regulation articles – please refer to the on-line user manual for details.

The order of attributes within the Status Request Document is not significant.

6 Format and content of the response

The Market Information Aggregator responds with one of the documents described in the implementation guides for Generation and Load, Transmission, Flow-based parameters, Balancing, Outages, Configuration or GL EB. The type of document used in the response depends on the type of data being requested. The format of the response will be according to the download scenarios described in the before-mentioned implementation guides.

Time granularity of the data in the response will be the same as for the data published on the central transparency platform.

7 Status Request Document dependency tables

The dependency tables in this section indicate for each article of the Transparency Regulation which attributes must or may be used within the Status Request Document in order to request the published data.

For each category of data (Load, Generation, etc.), the sections below explain what type of document the Market Information Aggregator will return.

7.1 Load transparency data

Table 1 below is the dependency matrix that applies to requests for published Load transparency data.

| Attribute | Art. 6.1.a Actual total load | Art. 6.1.b Day-ahead total load forecast | Art. 6.1.c Week-ahead total load forecast | Art. 6.1.d Month- ahead total load forecast | Art. 6.1.e Year-ahead total load forecast | Art. 8 Year- ahead forecast margin |
|---------------------------|------------------------------------|---|--|---|--|--|
| DocumentType | A65: total load | A65: total load | A65: total load | A65: total load | A65: total load | A70: load forecast margin |
| ProcessType | A16: realised | A01: day- ahead | A31: week- ahead | A32: month- ahead | A33: year- ahead | A33: year- ahead |
| OutBiddingZone _Domain | Used | Used | Used | Used | Used | Used |
| TimeInterval | Used | Used | Used | Used | Used | Used |

Table 1 – Dependency table for requesting Load data

The Market Information Aggregator will respond with a Generation and Load Market document containing the requested data.

168 7.2 Network and congestion management transparency data

169 Table 2 below is the dependency matrix that applies to requests for published network and
170 congestion management transparency data.

| Attribute | Art. 9.1 Expansion and dismantling projects | Art. 13.1.a Redispatch | Art. 13.1.b Countertrading | Art. 13.1.c Congestion costs |
|--------------|--|---|-------------------------------|--|
| DocumentType | A90 interconnector network expansion | A63 redispatch mode | A91 countertrade notice | A92 congestion costs |
| DocStatus | May be used | Not Used | Not Used | Not Used |
| BusinessType | May be used B01 interconnector network evolution B02 interconnector network dismantling | Used A46: system operator redispatching A85: internal requirements | Not Used | May be Used B04: congestion costs B03: countertrade A46: system operator redispatch |
| In_Domain | Used | Used (same as Out domain for internal redispatching) | Used | Used, same as Out domain |
| Out_Domain | Used | Used (same as In domain for internal redispatching) | Used | Used, same as In domain |
| TimeInterval | Used | Used | Used | Used |

171 **Table 2 - Dependency table for requesting Network and Congestion Management data**

172 The Market Information Aggregator will respond with a Transmission Network Market
173 document containing the requested data.

174

7.3 Transmission transparency data

Table 3 below is the dependency matrix that applies to requests for published Transmission transparency data.

| Attribute | Art. 11.1.a forecasted capacity | Art. 11.1.a offered capacity | Art. 11.1.b flow-based | Art. 11.3 Intraday transfer limits |
|--|---------------------------------------|------------------------------------|---|--|
| DocumentType | A61: estimated capacity | A31: agreed capacity | B11: Anonymized flow based parameters publication | A93: DC link capacity |
| ProcessType | Not used | Not used | A01 Day ahead A02 Intraday | Not used |
| Auction.Type | Not used | Used | Not used | Not used |
| Auction. Category | Not used | May be used | Not used | Not used |
| BusinessType | Not used | Not used | Not used | Not used |
| In_Domain | Used | Used | Used, same as Out domain | Used |
| Out_Domain | Used | Used | Used, same as In domain | Used |
| Contract_Market Agreement.Type | Used | Used | Not used | Not used |
| ClassificationSeq uence_AttributeI nstanceCompone nt.Position | Not used | May be used | Not used | Not used |
| TimeInterval | Used | Used | Used | Used |

Note: For article 11.1.a forecasted capacity, Contract Type is used to distinguish between day-ahead, week-ahead, month-ahead and year-ahead forecasts.

182

| Attribute | Art. 12.1.a Explicit allocation information (capacity) | Art. 12.1.a Explicit allocation information (revenue only) | Art. 12.1.b Total capacity nominated | Art. 12.1.c Total capacity already allocated |
|--|--|---|--|--|
| DocumentType | A25: allocation results | A25: allocation results | A26: capacity document | A26: capacity document |
| ProcessType | Not used | Not used | Not used | Not used |
| Auction.Type | Not used | Not used | Not used | Not used |
| Auction.Category | May be used | Not used | Not used | May be used |
| BusinessType | A43 requested capacity B05 capacity allocated (with price) | B07 auction revenue | B08 total nominated capacity | A29 AAC |
| In_Domain | Used | Used | Used | Used |
| Out_Domain | Used | Used | Used | Used |
| Contract_Market Agreement.Type | Used | Used | Not used | Used |
| ClassificationSequence_AttributeInstanceComponent.Position | May be used | Not used | Not used | Not used |
| TimeInterval | Used | Used | Used | Used |

183

184

185

| attribute | Art. 12.1.d Day ahead prices | Art. 12.1.e Implicit auction net positions and congestion income | Art. 12.1.f Schedule day ahead commercial exchanges | Art. 12.1.g Physical flows | Art. 12.1.h Capacity allocated outside EU |
|--|------------------------------------|--|---|------------------------------------|--|
| DocumentType | A44: price document | A25: allocation results | A09: finalised schedule | A11: aggregated energy data report | A94: non EU allocation |
| ProcessType | Not used | Not used | Not used | Not used | Not used |
| Auction.Type | Not used | Not used | Not used | Not used | Used |
| Auction.Category | Not used | Not used | Not used | Not used | May be used |
| BusinessType | Not used | B09 net position B10 congestion income | Not used | Not used | Not used |
| In_Domain | Used, same as Out domain | Used | Used | Used | Used |
| Out_Domain | Used, same as In domain | Used | Used | Used | Used |
| Contract_Market Agreement.Type | Not used | Used | Not used | Not used | Used |
| ClassificationSequence_AttributeInstanceComponent.Position | Not used | Not used | Not used | Not used | Not used |
| TimeInterval | Used | Used | Used | Used | Used |

186

Table 3 - Dependency table for requesting Transmission data

187 The Market Information Aggregator will respond with a Publication Market document
188 containing the requested data, except for article 11.1.b which will yield a Critical Network
189 Element Document.

190

7.4 Generation transparency data

Table 4 below is the dependency matrix that applies to requests for published Generation transparency data.

| Attribute | Art. 14.1.a Installed generation capacity aggregated | Art. 14.1.b Installed generatio n capacity per unit | Art. 14.1.c Day- ahead aggrega ted generati on | Art. 14.1.d Day- ahead generatio n forecasts for wind and solar | Art. 16.1.a Actual generatio n output per generatio n unit | Art. 16.1.b&c Aggregate d generatio n per type | Art. 16.1.d Aggregate d filling rate of water reservoirs and hydro storage plants |
|--------------|--|--|--|---|---|---|--|
| DocumentType | A68: installed generation per type | A71: generatio n forecast | A71: generati on forecast | A69: wind and solar forecast | A73: actual generatio n | A75: actual generatio n per type A74: wind and solar generatio n | A72: reservoir filing generatio n |
| ProcessType | A33: year ahead | A33: year ahead | A01: day- ahead | May be used A01: day- ahead A40: intraday A18: Intraday total | A16: realised | A16: realised | A16: realised |
| In_Domain | Used | Used | Used | Used | Used | Used | Used |
| PsrType | May be used | May be used | Not Used | May be used | May be used | May be used | Not Used |
| TimeInterval | Used | Used | Used | Used | Used | Used | Used |
| mRID | Not used | Not used | Not used | Not used | May be used | Not used | Not used |

Table 4 – Dependency table for requesting Generation data

The Market Information Aggregator will respond with a Generation and Load Market document containing the requested data.

199 7.5 Balancing transparency data

200 Table 5 below is the dependency matrix that applies to requests for published Balancing
201 transparency data.

| attribute | GL EB art. 12.3.a Current balancing state | GL EB art. 12.3.b-d Balancing energy bids | GL EB art. 12.3.e Aggregated balancing energy bids | GL EB art. 12.3.f Procured balancing capacity | GL EB art. 12.3.h&i Allocation and use of cross- zonal balancing capacities |
|---------------------------|---|--|--|---|--|
| DocumentType | A86: imbalance volume | A37: reserve bid | A24: bid document | A15: acquiring system operator reserve schedule | A38: reserve allocation result document |
| ProcessType | Not Used | Used: A51: aFFR A47: mFRR A46: RR | Used: A51: aFFR A47: mFRR A46: RR | Used: A52: FCR A51: aFFR A47: mFRR A46: RR | Used: A52: FCR A51: aFFR A47: mFRR A46: RR |
| ControlArea_Domain | Used | Used | Used | Used | May be used ⁽¹⁾ |
| BusinessType | B33: area control error | Not Used | Not Used | Not Used | Not Used |
| Acquiring_Domain | Not Used | Not Used | Not Used | Not Used | May be used ⁽¹⁾ |
| Connecting_Domain | Not Used | Not Used | Not Used | Not Used | May be used ⁽¹⁾ |
| Type_MarketAgreement.Type | Not Used | Not Used | Not Used | May be used | May be used |
| PsrType | Not Used | Not Used | Not Used | Not Used | Not Used |
| standard_MarketProduct | Not Used | May be used | Not Used | May be used | Not Used |
| original_MarketProduct | Not Used | May be used | Not Used | May be used | Not Used |
| TimeInterval | Used | Used | Used | Used | Used |

202 ⁽¹⁾ControlArea_Domain shall be populated with EIC code of region when querying for aggregated data
203 published on regional level. Acquiring_Domain and Connecting_Domain shall be populated with EIC
204 codes of areas where energy is going and leaving, respectively, when querying for disaggregated data
205 published on border level.

206 Table 5

| Attribute | Art. 17.1.b Amount and prices of balancing reserves under contract | Art. 17.1.f Prices of activated balancing energy aFFR IF art. 3.16 CBMP for aFFR standard product |
|-----------|--|--|
|-----------|--|--|

| | | | |
|---------------------------|--|--|--|
| DocumentType | A81 contracted reserve | | A84 activated balancing price |
| ProcessType | Used: A52: FCR A51: aFRR A47: mFRR A46: RR | | May be used A60: Scheduled activation mFRR A61: Direct activation mFRR A67: central selection aFRR A68: local selection aFRR |
| ControlArea_Domain | Used | | Used |
| BusinessType | Not used | | May be Used A95: FCR A96: aFRR A97: mFRR A98: RR |
| Acquiring_Domain | Not Used | | Not Used |
| Connecting_Domain | Not Used | | Not Used |
| Type_MarketAgreement.Type | May be used | | Not Used |
| PsrType | May be used | | May be used |
| standard_MarketProduct | May be used | | May be used |
| original_MarketProduct | May be used | | May be used |
| TimeInterval | Used | | Used |

207

208

209

| attribute | Art. 17.1.g Imbalance prices | Art. 17.1.h Total imbalance volumes | Art. 17.1.i Financial expenses and income for balancing |
|-------------------------------|---------------------------------|---|---|
| DocumentType | A85: imbalance prices | A86: imbalance volume | A87: financial situation |
| ProcessType | Not used | Not used | Not used |
| ControlArea_Domain | Used | Used | Used |
| BusinessType | Not Used | Not Used | Not Used |
| Acquiring_ Domain | Not Used | Not Used | Not Used |
| Connecting_Domain | Not Used | Not Used | Not Used |
| Type_MarketAgreement. Type | Not Used | Not Used | Not Used |
| PsrType | Not Used | Not Used | Not Used |
| standard_MarketProduct | Not Used | Not Used | Not Used |
| original_MarketProduct | Not Used | Not Used | Not Used |
| TimeInterval | Used | Used | Used |

210

| attribute | GL EB art. 12.3.a Current balancing state | GL EB art. 12.3.b-d Balancing energy bids | GL EB art. 12.3.e Aggregated balancing energy bids | GL EB art. 12.3.f Procured balancing capacity | GL EB art. 12.3.h&i Allocation and use of cross- zonal balancing capacities |
|--------------|---|--|--|---|--|
| DocumentType | A86: imbalance volume | A37: reserve bid | A24: bid document | A15: acquiring system operator reserve schedule | A38: reserve allocation result document |
| ProcessType | Not Used | Used: A51: aFFR A47: mFRR A46: RR | Used: A51: aFFR A47: mFRR A46: RR | Used: A52: FCR A51: aFFR A47: mFRR A46: RR | Used: A52: FCR A51: aFFR A47: mFRR A46: RR |

| | | | | | |
|---------------------------|-------------------------|-------------|----------|-------------|----------------------------|
| ControlArea_Domain | Used | Used | Used | Used | May be used ⁽¹⁾ |
| BusinessType | B33: area control error | Not Used | Not Used | Not Used | Not Used |
| Acquiring_Domain | Not Used | Not Used | Not Used | Not Used | May be used ⁽¹⁾ |
| Connecting_Domain | Not Used | Not Used | Not Used | Not Used | May be used ⁽¹⁾ |
| Type_MarketAgreement.Type | Not Used | Not Used | Not Used | May be used | May be used |
| PsrType | Not Used | Not Used | Not Used | Not Used | Not Used |
| standard_MarketProduct | Not Used | May be used | Not Used | May be used | Not Used |
| original_MarketProduct | Not Used | May be used | Not Used | May be used | Not Used |
| TimeInterval | Used | Used | Used | Used | Used |

211 ⁽¹⁾ControlArea_Domain shall be populated with EIC code of region when querying for aggregated data
212 published on regional level. Acquiring_Domain and Connecting_Domain shall be populated with EIC
213 codes of areas where energy is going and leaving, respectively, when querying for disaggregated data
214 published on border level.

215 **Table 5 – Dependency table for requesting Balancing data**

216 The Market Information Aggregator will respond with a Balancing Market document containing
217 the requested data for queries of all articles, except for GL EB articles 12.3.b-d where it will
218 respond with a Reserve Bid document.

219

220 7.6 Outages transparency data

221 Table 6 below is the dependency matrix that applies to requests for published Outage
222 transparency data.

| Attribute | Art. 7.1.a&b Unavailability of consumption units | Art. 15.1.a&b Unavailability of generation units | Art. 15.1c&d Unavailability of production units | Art. 10.1.a&b Unavailability of transmission infrastructure | Art. 10.1.c Unavailability of offshore grid infrastructure |
|------------------------|---|---|---|---|--|
| DocumentType | A76: load unavailability | A80: generation unavailability | A77: production unavailability | A78: transmission unavailability | A79: offshore grid infrastructure unavailability |
| DocStatus | Not used | may be used | may be used | may be used | may be used |
| BusinessType | May be used A53: planned maintenance A54: forced unavailability | May be used A53: planned maintenance A54: forced unavailability | May be used A53: planned maintenance A54: forced unavailability | May be used A53: planned maintenance A54: forced unavailability | Not Used |
| BiddingZone_D omain | Used | Used | Used | Not Used | Used |
| In_Domain | Not Used | Not Used | Not Used | Used | Not Used |
| Out_Domain | Not Used | Not Used | Not Used | Used | Not Used |
| mRID | Not Used | May be used | May be used | Not used | Not used |
| TimeInterval | Used | Used | Used | Used | Used |

223 **Table 6 – Dependency table for requesting Outages data**

224 The Market Information Aggregator will respond with an Unavailability Market document
225 containing the requested data.

226

227 7.7 Configuration transparency data

228 Table 7 below is the dependency matrix that applies to requests for published Configuration
229 transparency data.

| Attribute | Production and generation units |
|------------------------------|---------------------------------|
| DocumentType | A95: configuration document |
| BusinessType | B11: production unit |
| BiddingZone_Domain | Used |
| psrType | May be used |
| Implementation_DateAndOrTime | Used |

230 **Table 7 – Dependency table for requesting Configuration data**

231 The Market Information Aggregator will respond with a Configuration Market document
232 containing the requested data.

233

234