



EUROPEAN STYLE MARKETS INTEROPERABILITY TEST 2012 IEC 62325-451-1

2012-08-16

VERSION 1.0

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Revision History

Version	Release	Date	Paragraph	Comments
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0	1	2012-07-21		Review by WG EDI
1	0	2012-08-22		Version approved by Market Committee on the 2012-09-07.

Acknowledgement

ENTSO-E would like to begin by recognizing the work of the former members of ETSO Task Force EDI, and the members of ENTSO-E Working Group EDI. The common information model (CIM) interoperability (IOP) test held in 2012 on the “European style market profile” would not have been possible without the harmonization work carried out by these experts.

ENTSO-E would like to acknowledge the persons who have contributed to make possible the ENTSO-E IOP test “European style market profile” a success; not all people who contributed can be named here. However, ENTSO-E would like to give special recognition to:

- Maurizio Monti (RTE) and Frédéric Lansac (RTE) for directing the IOP, for assistance in witnessing the IOP, for preparation of test procedure, and drafting the final report;
- ENTSO-E WG EDI members for drafting, reviewing and supporting the work on IEC 62325 “European style market profile” standards;
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- Benoit Marie (Alstom Grid) for contributing in the tools to map ENTSO-E XML instances to CIM XML instances and vice-versa.
- Chavdar Ivanov (ENTSO-E) for its support to advertise for this IOP test.
- For providing XML instances of ENTSO-E acknowledgement document so that the IOP test be carried out:
 - ✓ Sotiris Brakatsoulas(ADMIE)
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 - ✓ András Pelikán, Péter Rózsa and Gyula Sztráda (MAVIR)
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In addition, ENTSO-E acknowledges IEC TC 57 Chairman, Thierry Lefèbvre, and IEC TC 57 WG16 members that provided assistance and supported ENTSO-E work and IOP test in various ways.

Executive Summary

On 2012-07-11, the first IOP test on CIM extension for market (IEC 62325) was carried out by ENTSO-E within RTE premises.

The main objective of this IOP test on “European style market profile” was to assess that the work carried out in IEC TC 57 WG 16 satisfies the information requirements for the use case defined for the acknowledgement business process in IEC 62325-451-1.

This “proof of concept” was a success although some minor issues have been identified, it can be stated that:

- the work carried on the IEC 62325-301, IEC 62325-351 and IEC 62325-451-1 is in line with the business requirements;
- there is no major deficiencies in the standard;
- the standard version includes all the capability needed to support the already implemented exchanges.

The two main issues to be discussed within ENTSO-E WG EDI about the business requirements are the following ones:

- Optional use of milliseconds, YYYY-MM-DDTHH:MM:SS{.sss}Z, for the creation date of documents or to keep the today requirement as YYYY-MM-DDTHH:MM:SSZ.
- Use of seconds in a time interval definition, start time and end time expressed as YYYY-MM-DDTHH:MM:SSZ, or only minutes, YYYY-MM-DDTHH:MMZ as constrained in ENTSO-E documents.

Comments on IEC 62325-351 and IEC 62325-451-1 based on the WG EDI decisions will be sent to IEC for the finalisation of these standards.

1 INTRODUCTION

1.1 ABOUT ELECTRICITY MARKET IOP TEST

In December 2011, a call to register was issued for the ENTSO-E IOP tests on “System Development and Operation” and on “Market”.

On 2012-02-06, a phone meeting was held on these IOP tests by ENTSO-E with the interested parties. The purpose of this meeting was to inform about the objectives of each IOP test. For the IOP test on “Market”, ENTSO-E allocated a specific e-mail generic address to contact all the parties interested, iop.market2012@entsoe.eu.

On 2012-06-21, a call for delivery of ENTSO-E Acknowledgement XML instances was issued to all the parties having stated their interest; deadline to receive the set of XML instances was 2012-07-06.

On 2012-07-11, ENTSO-E conducted a common information model (CIM) interoperability test (IOP) of the IEC 62325-451-1 standard in RTE premises.

This IOP test is the first one carried out on CIM extension for electricity market (IEC 62325).

Currently, the IEC 62325 series of standards is composed of:

- IEC 62325-450 “Profile and context modelling rules” in FDIS¹ status;
- IEC 62325-301 “Common information model (CIM) extensions for market” in CDV² status;
- IEC 62325-351 “CIM European market model exchange profile” in CDV status;
- IEC 62325-451-1 “Acknowledgement business process and contextual model for CIM European market” in CDV status;
- IEC 62325-451-2 “Scheduling business process and contextual models for CIM European market” in NP³ status;
- IEC 62325-451-3 “Transmission capacity allocation business process (explicit or implicit auction) and contextual models for European market” in NP status.

Business processes either already defined (Reserve Resource Process, Settlement, Status Request, etc.) or under development by ENTSO-E, such as the ones for market transparency (European Regulation on Market Integrity and Transparency – REMIT – Regulation 1227/2011), will be developed based on the profile defined in IEC 62325-351 standards.

¹ FDIS: Final draft International Standard

² CDV: Committee draft for vote

³ NP: New work item proposal

1.2 ENTISO-E INVOLVEMENT

Interest of European TSOs in CIM started before the establishment of ENTISO-E. In particular, the following activities were carried out in a former European TSOs organization, i.e. UCTE (Union for Co-ordination of Transmission of Electricity):

- Work on IEC 61970-301, “Common information model”, IEC 61970-452, “CIM static transmission network model profiles” and IEC 61970-552-4 “CIM XML model exchange format” for the UCTE CIM model exchange profile;
- CIM IOP tests organized by UCTE, directed by EPRI and hosted by RTE in March 2009.

In 2009, ENTISO-E and all its members strongly expressed their intention to implement the international standards of the International Electrotechnical Commission (IEC) Technical Committee 57 on “Power systems management and associated information exchange” and in particular the common information model (CIM) as well as to promote their wider development and usage across industry.

Liaisons were officially established with:

- IEC TC 57 Working Group 13 “Energy management system application program interface”,
- IEC TC 57 Working Group 16 “Deregulated energy market communication”.

ENTISO-E is also a member of Electric Power Research Institute (EPRI) where it is working on the development of “CIM for Dynamics”, i.e. to extend CIM to dynamic modelling of the power system.

The ENTISO-E support is founded:

- not only on a strong cooperation of ENTISO-E experts within the IEC TC 57 Working Groups and in particular:
 - Working Group 13 on IEC 61970;
 - Working Group 10 “Power system IED communication and associated data models” on IEC 61850;
 - Working Group 16 on IEC 62325.
- but also, on the organisation by the ENTISO-E Secretariat of IOP Tests to demonstrate the compliance of off-the-shelf products with these standards and in particular with the CIM European profiles

In July 2010, ENTISO-E led and conducted its first CIM IOP test on IEC 61970 and in particular on CIM-based data exchange format.

Since 2010, ENTISO-E carried out every year IOP tests on IEC 61970.

In 2012, for the first time, ENTISO-E led and conducted its first IOP test on IEC 62325 series.

2 IOP TEST PROCEDURE

2.1 OBJECTIVE OF THIS IOP TEST

The IEC TC 57 series IEC 62325 covers the needs for market exchanges, and IEC 62325-301 describes the CIM (common information model extensions for market).

The parts related to “European style market profile”, i.e. IEC 62325-351 and IEC 62325-451-n, contribute to the further development of the IEM (Internal European Market) by actively supporting market harmonization.

The objective of this first IOP test for market exchanges is to demonstrate that the IEC 62325-451-1, “Acknowledgement business process”, satisfies the information requirements for the acknowledgement business process in European style market profile.

As the acknowledgement business process is already operational within European markets, this IOP test provides a unique opportunity:

- to identify any deficiencies in the standard,
- to assess that the standard version includes all the capability needed to support the already implemented exchanges.

This IOP test will also enable to validate the development carried out and to finalise the comments for the IEC 62325-351 and 62325-451-1 documents in CDV status in order to improve the standards and also their acceptance for all the market participants in Europe.

In short, this IOP test on “European style market profile” is a “proof of concept” of the development carried out within the CIM.

2.2 IOP TEST PROCEDURE

To evaluate the conformity of the standard the following IOP test procedure was defined:

- Step 1: From a set of XML ENTSO-E acknowledgement document instances, do the following checks using the schema, core-components and codelist to be found in §3.1:
 - Well-formedness of the XML instance,
 - Validity of the XML instance.
- Step 2: Review the errors found, assess the error reason and if possible correct them.
- Step 3: Transform the set of XML ENTSO-E acknowledgement document instances with the corrections applied in step 2 into a set of XML CIM IEC 62325-451-1 instances.
- Step 4: On the XML CIM IEC 62325-451-1 instances generated at step 4, do the following checks using the schema and codelist to be found in §7.2
 - Well-formedness of the XML instance,
 - Validity of the XML instance.

- Step 5: Review the errors found, assess the error reason and if possible correct them.
- Step 6: Transform the set of XML CIM IEC 62325-451-1 instances with the corrections applied in step 5 into a set of XML ENTSO-E acknowledgement document instances.
- Step 7: From the set of XML ENTSO-E acknowledgement document instances generated at step 6, do the following checks using the schema, core-components and codelist to be found in §7.1 :
 - Well-formedness of the XML instance,
 - Validity of the XML instance.
- Step 8: Review the errors found, assess the error reason and if possible correct them.

2.3 IOP TEST TOOL

The tool used to carry out the checks and corrections was Altova XMLSpy Standard Edition v2011 release 2 (see Figure 1), <http://www.altova.com/xmlspy.html>.

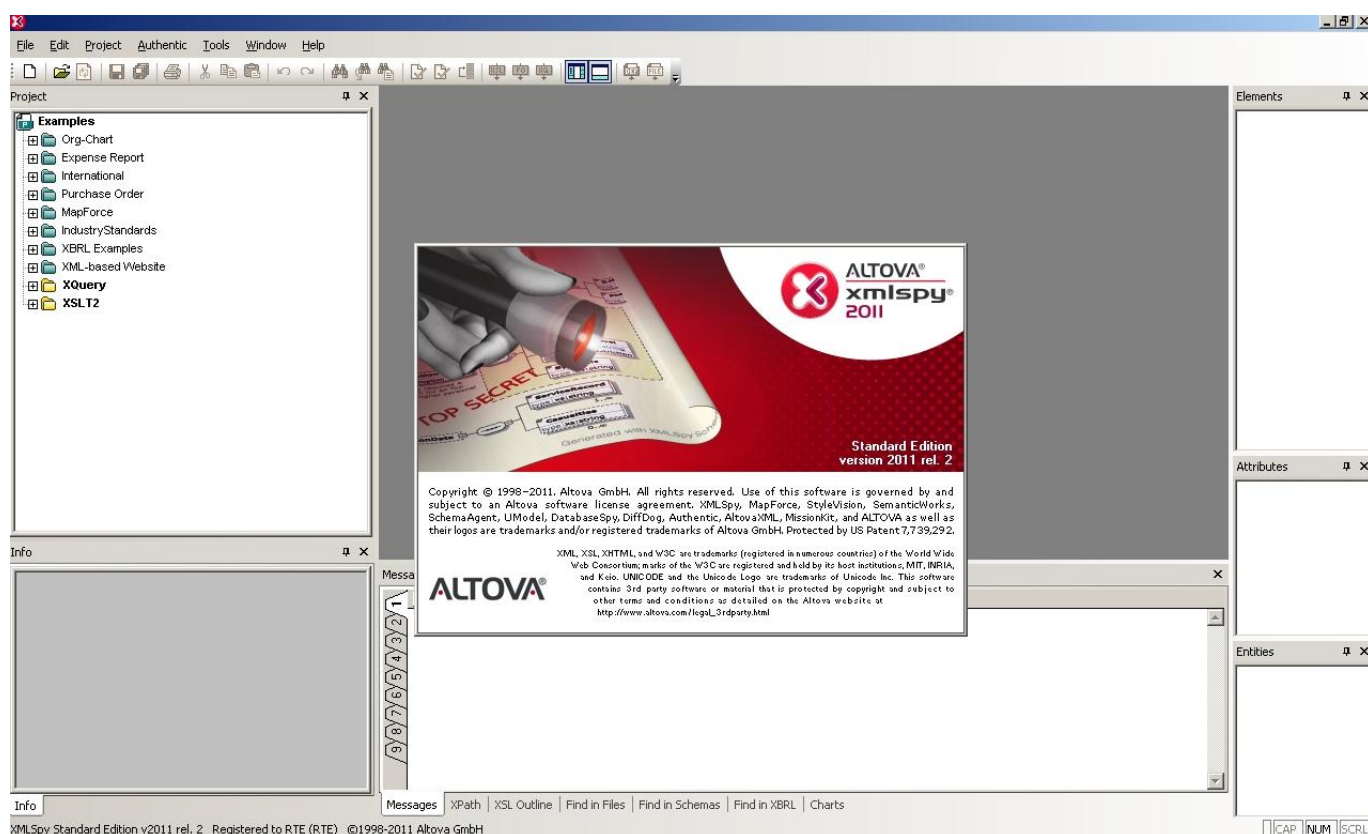
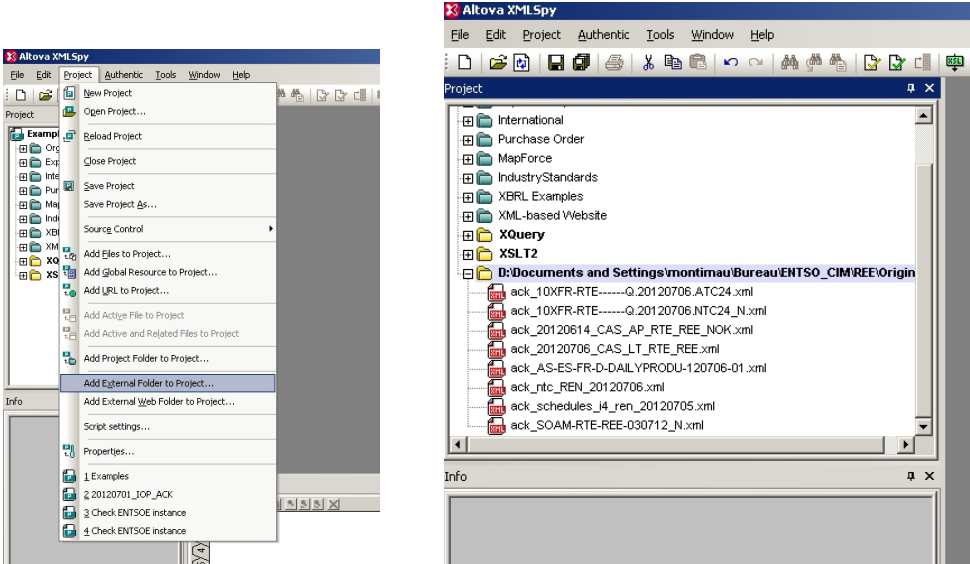
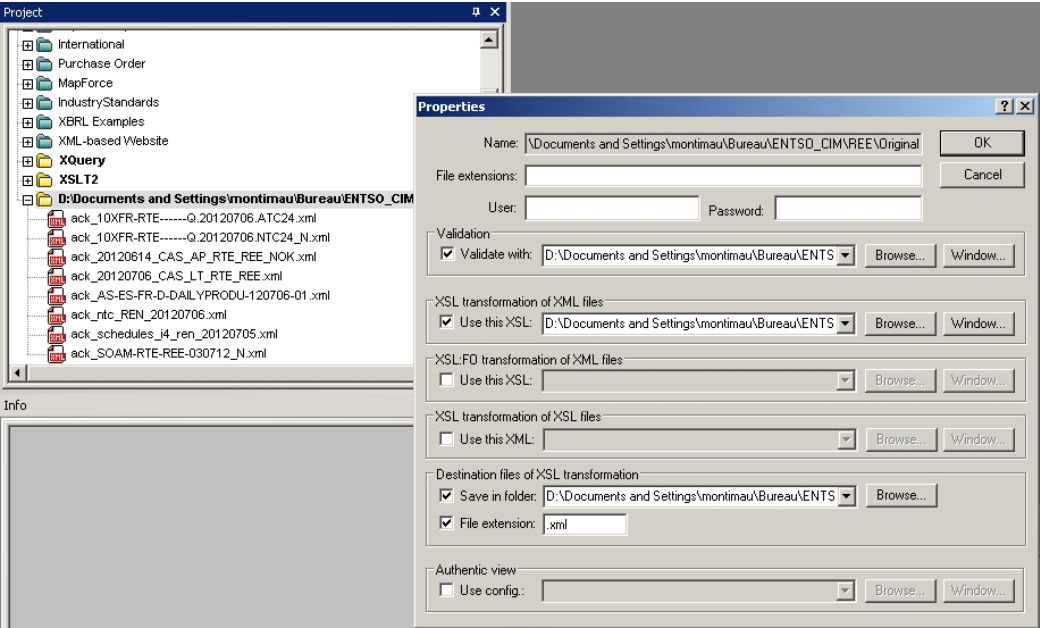
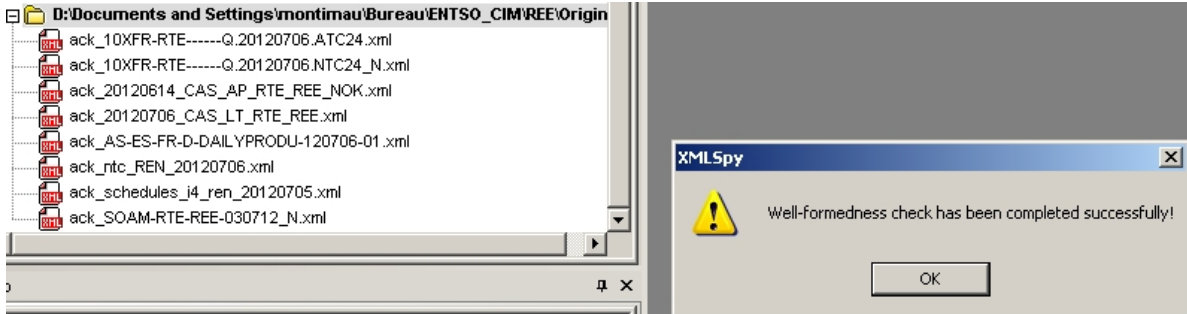
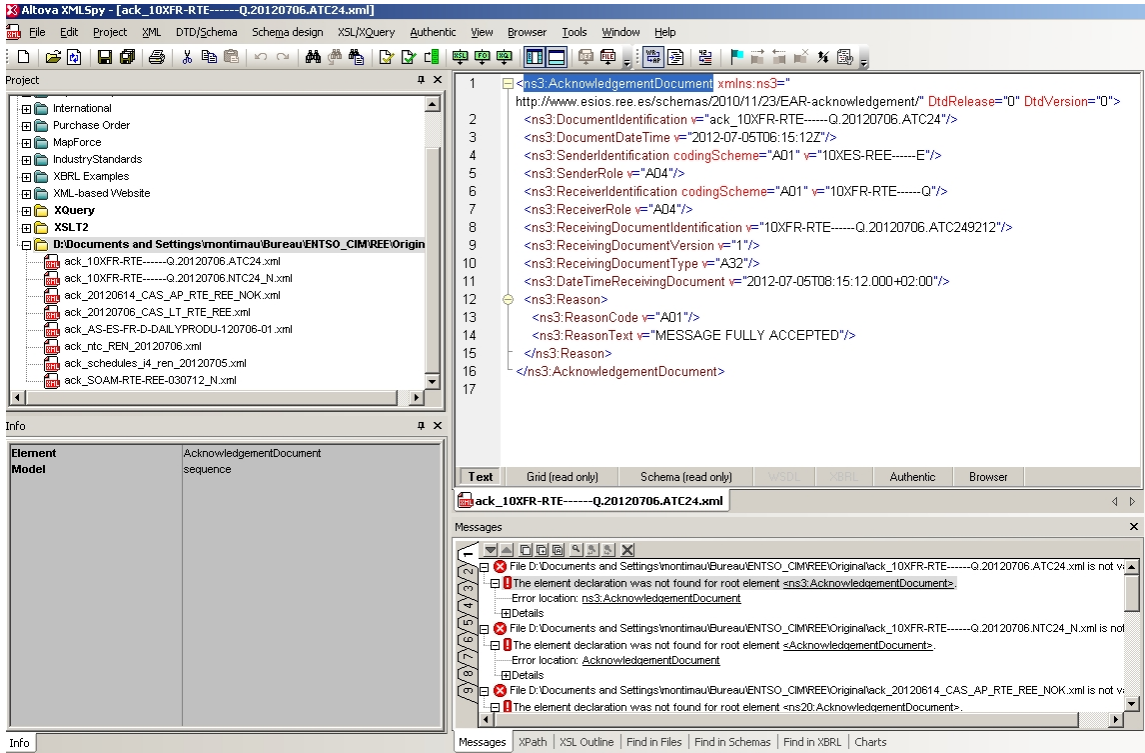
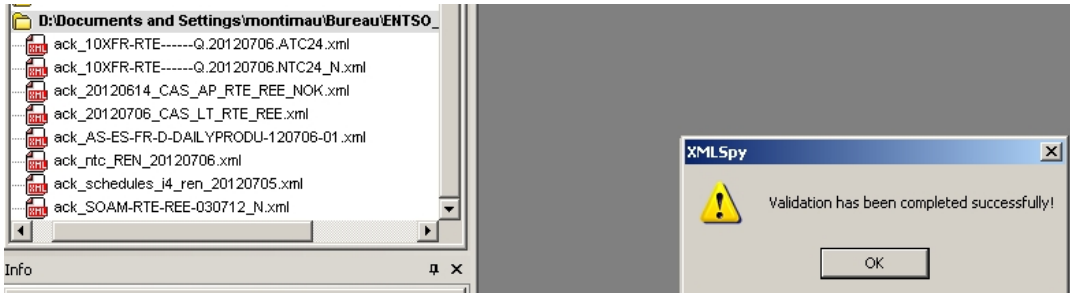
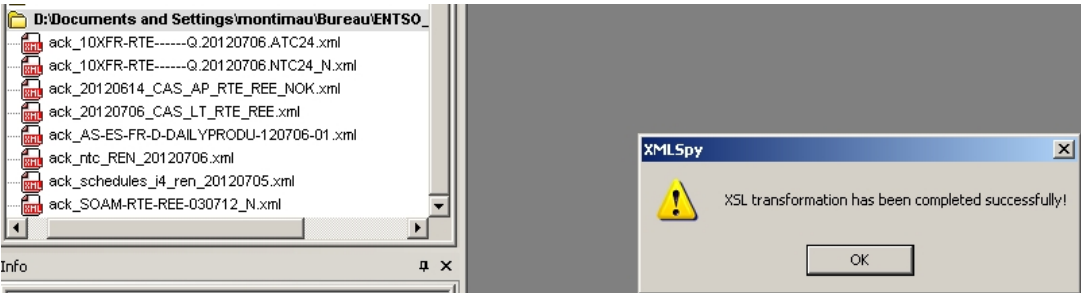
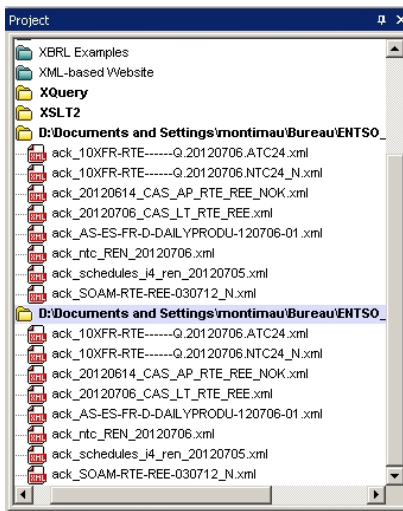


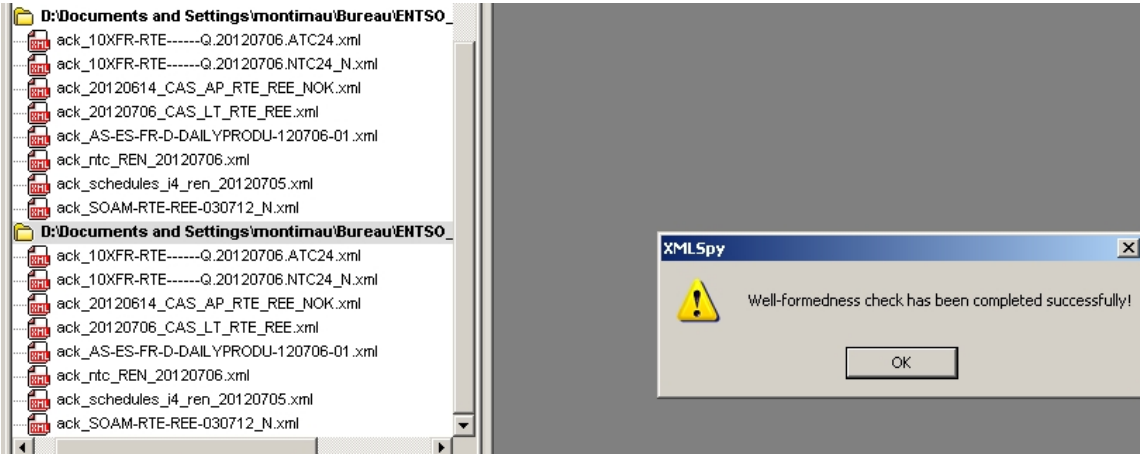
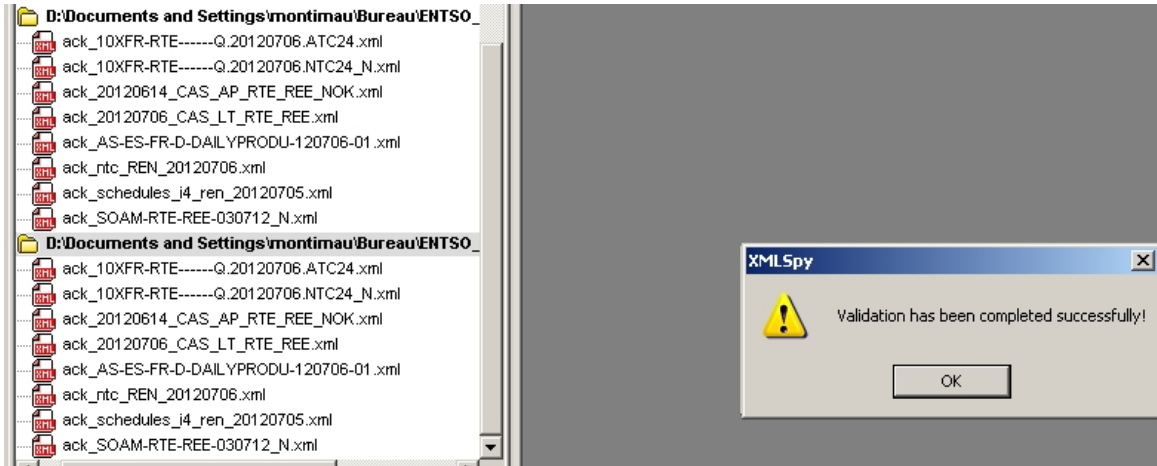
FIGURE 1: XMLSPY VERSION

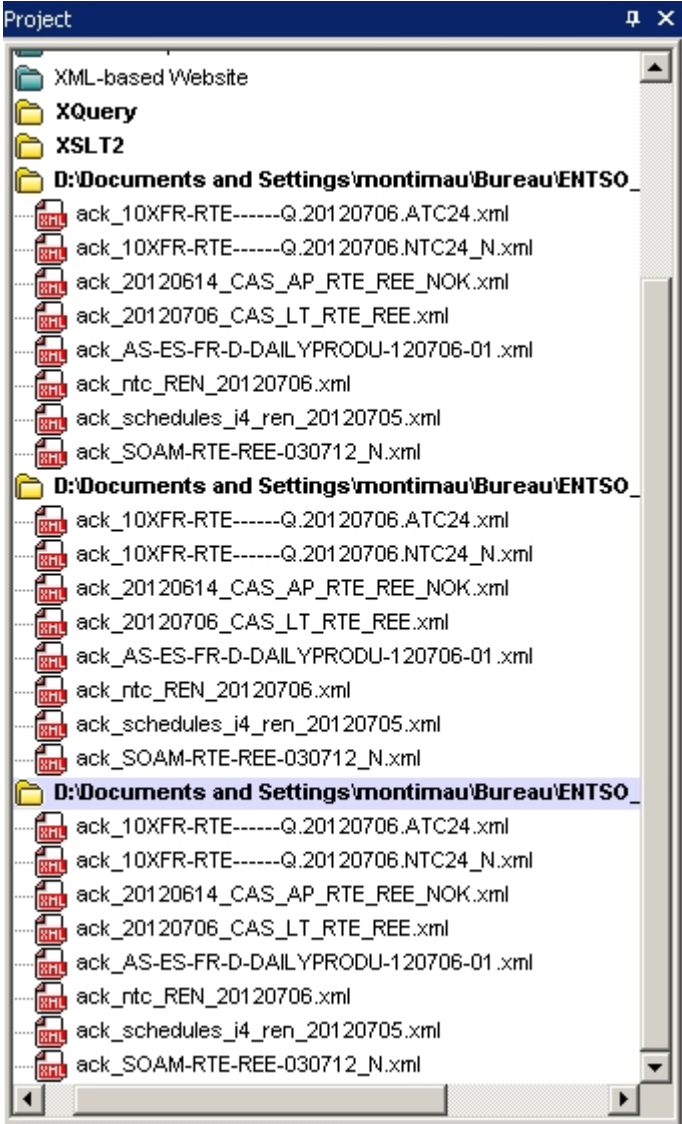
268 The IOP test procedure as defined in §2.2 was carried out as follows:

Step	Detailed procedure
1	1. For a received set of XML ENTSO-E acknowledgement document define a XMLSpy project:  FIGURE 2: DEFINE A XMLSPY PROJECT FOR ENTSO-E XML INSTANCES
1	2. For this XMLSpy project, define the ENTSO-E schema to be used (cf. §7.1), the XSLT (cf. §6.1) to be used for the mapping and the folder where the generated XML instance will be created.  FIGURE 3: SET THE PARAMETERS TO BE USED BY THE XMLSPY PROJECT

Step	Detailed procedure
1	3. Check the well-formedness of the XMLSpy project versus the ENTSO-E schema  FIGURE 4: CHECK WELL-FORMEDNESS OF XML INSTANCES
	4. Check the validity of the XML instances versus the ENTSO-E schema:  FIGURE 5: CHECK THE VALIDITY OF XML INSTANCES

Step	Detailed procedure
2	1. Correct the errors detected for the set of files and do it up that there is no longer error. The errors are listed in the “Messages” window and are copied in the IOP test result (see §4).  The screenshot shows a file explorer window with the path 'D:\Documents and Settings\montimau\Bureau\ENTSO_'. It contains several XML files with red error icons. To the right, an XMLSpy dialog box displays a yellow warning icon and the message 'Validation has been completed successfully!' with an 'OK' button. FIGURE 6: VALIDATE ENTSO-E XML INSTANCES
3	1. Transform the set of corrected XML ENTSO-E acknowledgement document instances into a set of XML CIM IEC 62325-451-1 instances.  The screenshot shows the same file explorer window as in Figure 6. To the right, an XMLSpy dialog box displays a yellow warning icon and the message 'XSL transformation has been completed successfully!' with an 'OK' button. FIGURE 7: GENERATE IEC XML INSTANCES
4	1. Define a new project using the folder where the XML instances have been generated and the IEC schema (§7.2.1) and codelist (§7.2.2)  The screenshot shows the XMLSpy Project window. It lists a hierarchy of folders: 'XBRL Examples', 'XML-based Website', 'XQuery', 'XSLT2', and 'D:\Documents and Settings\montimau\Bureau\ENTSO_'. The last folder is expanded, showing the same list of XML files as in the previous figures. FIGURE 8: DEFINE A XMLSPY PROJECT FOR IEC XML INSTANCES

Step	Detailed procedure
4	2. Check the well-formedness and validity of the IEC XML instances  FIGURE 9: CHECK THE WELL-FORMEDNESS OF IEC XML INSTANCES  FIGURE 10: CHECK THE VALIDITY OF IEC XML INSTANCES
5	1. Correct the errors if any.
6	1. Transform the set of XML IEC instances into XML ENTSO-E instances.

Step	Detailed procedure
7	1. Define a new project based on the folder containing the generated ENTSO-E XML instances  FIGURE 11: DEFINE A PROJECT FOR THE XML ENTSO-E INSTANCES 2. Carry out the well-formedness and validity check of the XML instances
8	1. Correct the errors if any.

2.4 FEED-BACK ON THE TOOL

XMLSpy tool is not the most suitable tool to carry out the IOP test as it stops at each error, i.e. it is necessary to run XMLSpy, analyse and correct the error, re-run XMLSpy until no error is founded.

Luckily, the number of errors found was limited as well as the correction to be applied.

For the future IOP tests, another tool should be used, i.e. XML ValidatorBuddy (<http://www.xml-tools.com/ValidatorBuddy.htm>).

This tool enables:

- as XMLSpy:
 - the batch validation process of XML instances,
 - the batch XSL transformation of XML instances,
- but in addition it does the “complete” validation of each XML instance.

This tool should be tested to assess its capability as this should save time for more important IOP tests with multiple schema, such as in the scheduling process with acknowledgement, scheduling, anomaly and confirmation documents.

3 IOP TEST RESULTS

3.1 OVERVIEW OF THE IOP TEST

The deadline to provide the XML instances was on the 2012-07-06. The following companies sent XML instances to be tested:

- ✓ ADMIE, Greek TSO;
- ✓ Alstom Grid, market management system software provider;
- ✓ MAVIR, Hungarian TSO;
- ✓ PSE Operator S.A., Polish TSO;
- ✓ REE, Spanish TSO;
- ✓ RTE, French TSO.

The results of this IOP test are summarized in the following table:

	ENTSO-E XML instances					IEC XML instances					ENTSO-E instances	
Set of data	Well-formedness	Validity	Correction (if any)	Validity	Transformation	Well-formedness	Validity	Correction (if any)	Validity	Transformation	Well-formedness	Validity
ADMIE	😊	😊	-	-	😊	😊	😞	😊	😊	😊	😊	😊
Alstom Grid	😊	😊	-	-	😊	😊	😊	-	-	😊	😊	😊
MAVIR	😊	😞	😊	😊	😊	😊	😊	-	-	😊	😊	😊
PSE-Operator	😞	😞	😊	😊	😊	😊	😊	-	-	😊	😊	😊
REE	😊	😞	😊	😊	😊	😊	😞	😊	😊	😊	😊	😊
RTE	😊	😞	😊	😊	😊	😊	😞	😊	😊	😊	😊	😊
Legend	😊: Test is successfull				😞: Test is not successfull				-: Test not needed			

The detail results and the errors issued by XMLSpy are to be found in §4.

Although some minor issues have been identified, it can be stated that:

- the work carried on the IEC 62325-301, IEC 62325-351 and IEC 62325-451-1 is in line with the business requirements;

- there is no major deficiencies in the standard;
- the standard version includes all the capability needed to support the already implemented exchanges.

3.2 DETAILED REVIEW OF ERRORS FOUND

The following table provides the list of all errors found during the IOP test (§4) and the development of the XSLT to transform the XML instances (§6.1):

Description of error	Number of occurrence	Correction applied	Recommendation
Pattern of document date-time creation: use of millisecond in date. As example: '2012-02-16T14:43:12.274Z'	3	The IEC 62325-451-1 pattern for this element is [2][0][0-9][0-9][\-][0-1][0-9][\-][0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-9][Z]. The correction applied was to suppress the milliseconds from the value.	ENTSO-E WG EDI has to define a position either to allow or not millisecond. A possible solution is to use the following pattern with the milliseconds as optional: [2][0][0-9][0-9][\-][0-1][0-9][\-][0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-9](\.[0-9][0-9][0-9]){0,1}[Z] Tests have been carried out with this new schema (see §7.2.3) and were all successful.
Use of milliseconds and UTC expressed through time deviation. Example: '2012-07-05T08:15:12.000+02:00'	4	Correct the time expression.	Same issue as the previous one for milliseconds. Time is to be expressed as YYYY-MM-DDTHH:MM:SSZ

Description of error	Number of occurrence	Correction applied	Recommendation
Handling of pattern for the time interval, i.e. YYYY-MM-DDTHH:MMZ versus a standard one YYYY-MM-DDTHH:MM:SSZ Definition of the IEC 62325-351 datatypes.	-	-	ENTSO-E WG EDI shall precise the business requirements for the pattern of time interval (see §6.1). Currently, the time interval pattern does not manage the seconds. This pattern requires that a specific datatype be defined in IEC 62325-351, i.e. a String. Otherwise, a standard dateTime datatype could be used but it implies that seconds are used in time interval.
Local enumeration value	3	Change to a value listed in the ENTSO-E codelist.	ENTSO-E WG EDI is developing a recommendation for extension/restriction of codelist, "ENTSO-E XML namespace Reference Document".
Instruction <!DOCTYPE SYSTEM>	4	Delete the instruction.	-
Use of former version of Acknowledgement schema and/or not compliant ENTSO-E schema.	11	Convert the XML instance to an ENTSO-E version 5 compatible one.	-
Use of explicit namespace.	8	Delete the explicit namespace and use a "default" namespace.	ENTSO-E WG EDI is developing a recommendation for namespace "ENTSO-E XML namespace Reference Document".

4 ANNEX - XMLSPY OUTPUTS

4.1 ADMIE

4.1.1 CHECK RECEIVED XML SCHEMA INSTANCES

The well-formedness and validity checks were performed without any error.

4.1.2 CORRECTIONS APPLIED

No correction was applied.

4.1.3 CHECK TRANSFORMED XML SCHEMA INSTANCES

The XSLT transform was applied and the resulting files were checked versus the IEC schema.

The results were the following ones:

File ENTDOE_to_CIM\ACK1389288529363709549.xml is not valid.

Value '2012-02-16T14:43:12.274Z' is not allowed for element <createdDateTime>.

Reason: it does not satisfy any of the defined patterns (see below)

'[2][0][0-9][0-9][\-\-][0-1][0-9][\-\-][0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-9][Z]'

Error location: Acknowledgement_MarketDocument / createdDateTime

Details

cvc-pattern-valid: '2012-02-16T14:43:12.274Z' is not matched by the regular expressions of type definition 'Message_DateTime'.

cvc-datatype-valid.1.1: For type definition 'Message_DateTime' the string '2012-02-16T14:43:12.274Z' is not pattern valid.

cvc-simple-type.1: For type definition 'Message_DateTime' the string '2012-02-16T14:43:12.274Z' is not valid.

cvc-type.3.1.3: The normalized value '2012-02-16T14:43:12.274Z' is not valid with respect to the type definition 'Message_DateTime'.

cvc-elt.5.2.1: The element <createdDateTime> is not valid with respect to the actual type definition 'Message_DateTime'.

File ENTDOE_CIM\ADMIE\ENTDOE_to_CIM\ACK1496091530007996115.xml is not valid.

Value '2012-02-14T13:51:20.702Z' is not allowed for element <createdDateTime>.

Reason: it does not satisfy any of the defined patterns (see below)

'[2][0][0-9][0-9][\-\-][0-1][0-9][\-\-][0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-9][Z]'

Error location: Acknowledgement_MarketDocument / createdDateTime

Details

cvc-pattern-valid: '2012-02-14T13:51:20.702Z' is not matched by the regular expressions of type definition 'Message_DateTime'.
cvc-datatype-valid.1.1: For type definition 'Message_DateTime' the string '2012-02-14T13:51:20.702Z' is not pattern valid.
cvc-simple-type.1: For type definition 'Message_DateTime' the string '2012-02-14T13:51:20.702Z' is not valid.
cvc-type.3.1.3: The normalized value '2012-02-14T13:51:20.702Z' is not valid with respect to the type definition 'Message_DateTime'.
cvc-elt.5.2.1: The element <createdDateTime> is not valid with respect to the actual type definition 'Message_DateTime'.

File ENTSO_CIM\ADMIE\ENTSOE_to_CIM\ACK8240927646782188232.xml is not valid.

Value '2012-03-05T09:40:15.924Z' is not allowed for element <createdDateTime>.

Reason: it does not satisfy any of the defined patterns (see below)

'[2][0][0-9][0-9][\-][0-1][0-9][\-][0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-9][Z]'

Error location: Acknowledgement_MarketDocument / createdDateTime

Details

cvc-pattern-valid: '2012-03-05T09:40:15.924Z' is not matched by the regular expressions of type definition 'Message_DateTime'.
cvc-datatype-valid.1.1: For type definition 'Message_DateTime' the string '2012-03-05T09:40:15.924Z' is not pattern valid.
cvc-simple-type.1: For type definition 'Message_DateTime' the string '2012-03-05T09:40:15.924Z' is not valid.
cvc-type.3.1.3: The normalized value '2012-03-05T09:40:15.924Z' is not valid with respect to the type definition 'Message_DateTime'.
cvc-elt.5.2.1: The element <createdDateTime> is not valid with respect to the actual type definition 'Message_DateTime'.

4.1.4 CORRECTIONS APPLIED

The errors detected are due to the fact that the <createdDateTime> element contains a value expressed in milliseconds.

In the “ENTSO-E Acknowledgement Document (EAD) Implementation Guide” version 5 release 1, §3.3.2 line 148, it is stated that the date and time must be expressed in UTC as YYYY-MM-DDYHH:MM:SSZ.

However, the ENTSO-E schema does not have pattern on the <DateTimeType> (xsd:dateTime); thus the ENTSO-E schema authorize the milliseconds in the format YYYY-MM-DDYHH:MM:SS.SSSZ.

The following corrections were applied:

File ENTSOE_to_CIM\ACK1389288529363709549.xml

Value '2012-02-16T14:43:12.274Z' for element <createdDateTime> changed to '2012-02-16T14:43:12Z' as per the requirements on time.

File ENTSO_CIM\ADMIE\ENTSOE_to_CIM\ACK1496091530007996115.xml

Value '2012-02-14T13:51:20.702Z' for element <createdDateTime> changed to
'2012-02-14T13:51:20Z' as per the requirements on time.

File ENTSO_CIM\ADMIE\ENTSOE_to_CIM\ACK8240927646782188232.xml

Value '2012-03-05T09:40:15.924Z' for element <createdDateTime> changed to
'2012-03-05T09:40:15Z' as per the requirements on time.

With these corrections, the XML instances were all valid.

Note: To have the createdDateTime expressed in milliseconds could be a future business
requirement.

4.1.5 CHECK TRANSFORMED IEC XML INSTANCES

No error was found.

4.2 ALSTOM GRID

4.2.1 CHECK RECEIVED XML SCHEMA INSTANCES

No error was found.

4.2.2 CORRECTIONS APPLIED

No correction was applied.

4.2.3 CHECK TRANSFORMED XML SCHEMA INSTANCES

No error was found.

4.2.4 CORRECTIONS APPLIED

No correction was applied.

4.2.5 CHECK TRANSFORMED IEC XML INSTANCES

No error was found.

4.3 MAVIR

4.3.1 CHECK RECEIVED XML SCHEMA INSTANCES

File Original\IEC_62325_IOP_testack_proprietaryRC.xml is not valid.

Value 'Z05' is not allowed for attribute 'v'.

Reason: it does not match any of the defined enumerations (see below)

'A01'	'A29'	'A58'	'A77'	'A96'
'A02'	'A30'	'A59'	'A78'	'A97'
'A03'	'A41'	'A60'	'A79'	'A98'
'A04'	'A42'	'A61'	'A80'	'A99'
'A05'	'A43'	'A62'	'A81'	'B01'
'A06'	'A44'	'A63'	'A82'	'B02'
'A07'	'A45'	'A64'	'A83'	'B03'
'A08'	'A46'	'A65'	'A84'	'B04'
'A09'	'A47'	'A66'	'A85'	'B05'
'A10'	'A48'	'A67'	'A86'	'B06'
'A20'	'A49'	'A68'	'A87'	'B07'
'A21'	'A50'	'A69'	'A88'	'B08'
'A22'	'A51'	'A70'	'A89'	'B09'
'A23'	'A52'	'A71'	'A90'	'B10'
'A24'	'A53'	'A72'	'A91'	'B11'
'A25'	'A54'	'A73'	'A92'	'B12'
'A26'	'A55'	'A74'	'A93'	'B13'
'A27'	'A56'	'A75'	'A94'	'B14'
'A28'	'A57'	'A76'	'A95'	'B15'
				'999'

Error location: AcknowledgementDocument / TimeSeriesRejection / Reason / ReasonCode / @v

Details

cvc-enumeration-valid: 'Z05' is none of the values specified by the enumerations of type 'ecc:ReasonCodeTypeList'.

cvc-datatype-valid.2: The value 'Z05' is not a member of type definition 'ecc:ReasonCodeTypeList'.

cvc-simple-type.1: For type definition 'ecc:ReasonCodeTypeList' the string 'Z05' is not valid.

cvc-attribute.3: Value 'Z05' of attribute 'v' does not match simple type definition 'ecc:ReasonCodeTypeList'.

cvc-complex-type.3.1: The attribute 'v' of complex type 'ecc:ReasonCodeType' is not valid.

cvc-elt.5.2.1: The element <ReasonCode> is not valid with respect to the actual type definition 'ecc:ReasonCodeType'.

4.3.2 CORRECTIONS APPLIED

The 'Z05' code was changed into a valid ENTSO-E code, 'Znn' codes are used for specific market requirements and are not included in the ENTSO-E codelist.

With this change, the XML instances were valid.

4.3.3 CHECK TRANSFORMED XML SCHEMA INSTANCES

No error was found.

4.3.4 CORRECTIONS APPLIED

No correction was applied.

4.3.5 CHECK TRANSFORMED IEC XML INSTANCES

No error was found.

4.4 PSE OPERATOR

4.4.1 CHECK RECEIVED XML SCHEMA INSTANCES

For the well-formedness check, the following errors were generated:

File Original\20120621_CBS_10XCB-POLAND---C_10XCC-UCTE-NO--Y_001_ACK_20120620135019.xml is not well-formed.

Unable to load external DTD subset via 'file:///D:/Documents%20and%20Settings/montimau/Bureau/ENTSO_CIM/PSE%20Operator/schedulev2r3/dtd/acknowledgement-xml.dtd'. 'Error opening local file 'D:\Documents and Settings\montimau\Bureau\ENTSO_CIM\PSE Operator\schedulev2r3\dtd\acknowledgement-xml.dtd': Le chemin d'accès spécifié est introuvable. '

Error location: AcknowledgementMessage

Details

WFC: External Subset: Unable to load external DTD subset via 'file:///D:/Documents%20and%20Settings/montimau/Bureau/ENTSO_CIM/PSE%20Operator/schedulev2r3/dtd/acknowledgement-xml.dtd'. 'Error opening local file 'D:\Documents and Settings\montimau\Bureau\ENTSO_CIM\PSE Operator\schedulev2r3\dtd\acknowledgement-xml.dtd': Le chemin d'accès spécifié est introuvable. '

File Original\20120621_CBS_10XCB-POLAND---C_10XCC-UCTE-NO--Y_001_ACK_20120620135019_1.xml is not well-formed.

Unable to load external DTD subset via 'file:///D:/Documents%20and%20Settings/montimau/Bureau/ENTSO_CIM/PSE%20

perator/schedulev2r3/dtd/acknowledgement-xml.dtd'. 'Error opening local file
'D:\Documents and Settings\montimau\Bureau\ENTSO_CIM\PSE
Operator\schedulev2r3\dtd\acknowledgement-xml.dtd': Le chemin d'accès spécifié
est introuvable. '

Error location: AcknowledgementMessage

Details

WFC: External Subset: Unable to load external DTD subset via
'file:///D:/Documents%20and%20Settings/montimau/Bureau/ENTSO_C
IM/PSE%20Operator/schedulev2r3/dtd/acknowledgement-xml.dtd'.

'Error opening local file 'D:\Documents and
Settings\montimau\Bureau\ENTSO_CIM\PSE
Operator\schedulev2r3\dtd\acknowledgement-xml.dtd': Le chemin
d'accès spécifié est introuvable. '

File Original\20120621_CIC_10XPL-TSO-----P_19XAO-TEST-----7_001_2012-06-19T15-
20-13Z_ACK.xml is not well-formed.

Unable to load external DTD subset via
'file:///D:/Documents%20and%20Settings/montimau/Bureau/ENTSO_CIM/PSE%20O
perator/schedulev2r3/dtd/acknowledgement-xml.dtd'. 'Error opening local file
'D:\Documents and Settings\montimau\Bureau\ENTSO_CIM\PSE
Operator\schedulev2r3\dtd\acknowledgement-xml.dtd': Le chemin d'accès spécifié
est introuvable. '

Error location: AcknowledgementDocument

Details

WFC: External Subset: Unable to load external DTD subset via
'file:///D:/Documents%20and%20Settings/montimau/Bureau/ENTSO_C
IM/PSE%20Operator/schedulev2r3/dtd/acknowledgement-xml.dtd'.

'Error opening local file 'D:\Documents and
Settings\montimau\Bureau\ENTSO_CIM\PSE
Operator\schedulev2r3\dtd\acknowledgement-xml.dtd': Le chemin
d'accès spécifié est introuvable. '

File Original\20120621_CIC_10XPL-TSO-----P_19XAO-TEST-----7_001_2012-06-19T15-
20-13Z_ACK_1.xml is not well-formed.

Unable to load external DTD subset via
'file:///D:/Documents%20and%20Settings/montimau/Bureau/ENTSO_CIM/PSE%20O
perator/schedulev2r3/dtd/acknowledgement-xml.dtd'. 'Error opening local file
'D:\Documents and Settings\montimau\Bureau\ENTSO_CIM\PSE
Operator\schedulev2r3\dtd\acknowledgement-xml.dtd': Le chemin d'accès spécifié
est introuvable. '

Error location: AcknowledgementDocument

Details

WFC: External Subset: Unable to load external DTD subset via
'file:///D:/Documents%20and%20Settings/montimau/Bureau/ENTSO_C
IM/PSE%20Operator/schedulev2r3/dtd/acknowledgement-xml.dtd'.

'Error opening local file 'D:\Documents and

500 Settings\montimau\Bureau\ENTSO_CIMPSE
501 Operator\schedulev2r3\dtd\acknowledgement.xml.dtd': Le chemin
502 d'accès spécifié est introuvable. '

503 For the XML schema check, the following errors were generated:

504 File Original\20110123_CAX_19XCA-TEST-----1_10XPL-TSO-----
505 P_001_ACK_20110121103118.xml is not valid.

506 The element declaration was not found for root element
507 <AcknowledgementMessage>.

508 Error location: AcknowledgementMessage
509 Details
510 cvc-elt.1: The element declaration was not found for root element
511 <AcknowledgementMessage>.

512 File Original\20110930_RDS_10XPL-TSO-----P_19XAO-TEST-----7_001_ACK_2011-09-
513 30T08-30-13Z.xml is not valid.

514 Element <TimeSeriesRejection> is not allowed at this location under element
515 <AcknowledgementDocument>.

516 Reason: The following elements are expected at this location (see below)
517 <Reason>
518 <TimeIntervalError>

519 Error location: AcknowledgementDocument / TimeSeriesRejection
520 Details
521 cvc-model-group: Element <TimeSeriesRejection> unexpected by type
522 '{anonymous}' of element <AcknowledgementDocument>.

523 cvc-elt.5.2.1: The element <AcknowledgementDocument> is not valid
524 with respect to the actual type definition '{anonymous}'.

525 File Original\20111006_RDL_10XPL-TSO-----P_19XAO-TEST-----7_001_ACK_2011-10-
526 06T10-25-24Z.xml is not valid.

527 Element <TimeSeriesRejection> is not allowed at this location under element
528 <AcknowledgementDocument>.

529 Reason: The following elements are expected at this location (see below)
530 <Reason>
531 <TimeIntervalError>

532 Error location: AcknowledgementMessage
533 Details
534 cvc-model-group: Element <TimeSeriesRejection> unexpected by type
535 '{anonymous}' of element <AcknowledgementDocument>.

536 cvc-elt.5.2.1: The element <AcknowledgementDocument> is not valid
537 with respect to the actual type definition '{anonymous}'.

538 File Original\20120621_CBS_10XCB-POLAND---C_10XCC-UCTE-NO--
539 Y_001_ACK_20120620135019.xml is not valid.

540 The element declaration was not found for root element
541 <AcknowledgementMessage>.

542 Error location: AcknowledgementMessage
543 Details
544 cvc-elt.1: The element declaration was not found for root element
545 <AcknowledgementMessage>.

546 File Original\20120621_CBS_10XCB-POLAND---C_10XCC-UCTE-NO--
547 Y_001_ACK_20120620135019_1.xml is not valid.
548 The element declaration was not found for root element
549 <AcknowledgementMessage>.
550 Error location: AcknowledgementMessage
551 Details
552 cvc-elt.1: The element declaration was not found for root element
553 <AcknowledgementMessage>.

554 File Original\20120621_CBS_19XCB-TEST-----Q_10XCB-POLAND---
555 C_009_ACK_20120621164026.xml is not valid.
556 The element declaration was not found for root element
557 <AcknowledgementMessage>.
558 Error location: AcknowledgementMessage
559 Details
560 cvc-elt.1: The element declaration was not found for root element
561 <AcknowledgementMessage>.

562 File Original\20120621_CBS_19XCB-TEST-----Q_10XCB-POLAND---
563 C_009_ACK_20120621164026_1.xml is not valid.
564 The element declaration was not found for root element
565 <AcknowledgementMessage>.
566 Error location: AcknowledgementMessage
567 Details
568 cvc-elt.1: The element declaration was not found for root element
569 <AcknowledgementMessage>.

570 File Original\20120625_CAX_19XCA-TEST-----1_10XPL-TSO-----
571 P_001_ACK_20120622112032.xml is not valid.
572 The element declaration was not found for root element
573 <AcknowledgementMessage>.
574 Error location: AcknowledgementMessage
575 Details
576 cvc-elt.1: The element declaration was not found for root element
577 <AcknowledgementMessage>.

578 File Original\OGWM.xml is not valid.
579 The element declaration was not found for root element <Komunikat>.
580 Error location: Komunikat
581 Details
582 cvc-elt.1: The element declaration was not found for root element
583 <Komunikat>.

File Original\PGWM.xml is not valid.

The element declaration was not found for root element <Komunikat>.

Error location: Komunikat

Details

cvc-elt.1: The element declaration was not found for root element
<Komunikat>.

File Original\PGWM_1.xml is not valid.

The element declaration was not found for root element <Komunikat>.

Error location: Komunikat

Details

cvc-elt.1: The element declaration was not found for root element
<Komunikat>.

4.4.2 CORRECTIONS APPLIED

The <!DOCTYPE SYSTEM> was removed; this was a former instruction for the DTD implementation.

The attributes <AcknowledgementMessage>, <MessageIdentification>, <MessageDateTime>, <ReceivingMessageIdentification> and <ReceivingDocumentVersion> are based on the acknowledgement schema version 2 release 3. Change of “Message” occurrence into “Document” have been made for these attributes to comply with the acknowledgement schema version 5 release 0.

The class <TimeSeriesRejection> ...</TimeSeriesRejection> has been moved before any <Reason> ... </Reason> class to comply with the ENTSO-E schema.

Correction of the <SendersTimeSeriesVersion> was applied, i.e. value equal to 1 as it must be an integer and not a null value.

Deletion of the <Komunikat ..> specific instruction used in this electricity market implementation.

4.4.3 CHECK TRANSFORMED XML SCHEMA INSTANCES

The XSLT transform was applied and the resulting files were checked versus the IEC schema.

No error was founded.

4.4.4 CORRECTIONS APPLIED

No correction was applied.

4.4.5 CHECK TRANSFORMED IEC XML INSTANCES

No error was founded.

4.5 REE

4.5.1 CHECK RECEIVED XML SCHEMA INSTANCES

File Original\ack_10XFR-RTE-----Q.20120706.ATC24.xml is not valid.

The element declaration was not found for root element
<ns3:AcknowledgementDocument>.

Error location: ns3:AcknowledgementDocument

Details

cvc-elt.1: The element declaration was not found for root element
<ns3:AcknowledgementDocument>.

File Original\ack_10XFR-RTE-----Q.20120706.NTC24_N.xml is not valid.

The element declaration was not found for root element
<AcknowledgementDocument>.

Error location: AcknowledgementDocument

Details

cvc-elt.1: The element declaration was not found for root element
<AcknowledgementDocument>.

File Original\ack_20120614_CAS_AP_RTE_REE_NOK.xml is not valid.

The element declaration was not found for root element
<ns20:AcknowledgementDocument>.

Error location: ns20:AcknowledgementDocument

Details

cvc-elt.1: The element declaration was not found for root element
<ns20:AcknowledgementDocument>.

File Original\ack_20120706_CAS_LT_RTE_REE.xml is not valid.

The element declaration was not found for root element
<ns20:AcknowledgementDocument>.

Error location: ns20:AcknowledgementDocument

Details

cvc-elt.1: The element declaration was not found for root element
<ns20:AcknowledgementDocument>.

File Original\ack_AS-ES-FR-D-DAILYPRODU-120706-01.xml is not valid.

The element declaration was not found for root element
<ns3:AcknowledgementDocument>.

Error location: ns3:AcknowledgementDocument

Details

cvc-elt.1: The element declaration was not found for root element
<ns3:AcknowledgementDocument>.

File Original\ack_ntc_REN_20120706.xml is not valid.

The element declaration was not found for root element
<ns3:AcknowledgementDocument>.

Error location: ns3:AcknowledgementDocument

Details

cvc-elt.1: The element declaration was not found for root element
<ns3:AcknowledgementDocument>.

File Original\ack_schedules_i4_ren_20120705.xml is not valid.

The element declaration was not found for root element
<ns3:AcknowledgementDocument>.

Error location: ns3:AcknowledgementDocument

Details

cvc-elt.1: The element declaration was not found for root element
<ns3:AcknowledgementDocument>.

File Original\ack_SOAM-RTE-REE-030712_N.xml is not valid.

The element declaration was not found for root element
<ns3:AcknowledgementDocument>.

Error location: ns3:AcknowledgementDocument

Details

cvc-elt.1: The element declaration was not found for root element
<ns3:AcknowledgementDocument>.

4.5.2 CORRECTIONS APPLIED

These XML instances implemented an explicit designation of namespace. ENTSO-E is currently developing recommendations on namespace, but for the purpose of these tests, schemas do not allow the use of namespace. In order to proceed, the characters "ns3:" and "ns20:" have been deleted from the original files.

A new check was made and the following error was detected:

File \IOP Test_ACK\ack_10XFR-RTE-----Q.20120706.NTC24_N.xml is not valid.

The element declaration was not found for root element
<AcknowledgementDocument>.

Error location: AcknowledgementDocument

Details

cvc-elt.1: The element declaration was not found for root element
<AcknowledgementDocument>.

The following correction was applied, to add ".ns3" after xmlns:

<AcknowledgementDocument xmlns:ns3="http://www.esios.ree.es/schemas/2010/11/23/EAR-
acknowledgement/" DtdVersion="0" DtdRelease="0">.

With this changes all the files were compliant to the ENTSO-E schema.

4.5.3 CHECK TRANSFORMED XML SCHEMA INSTANCES

The XSLT transform was applied and the resulting files were checked versus the IEC schema. The results were the following ones:

File ENTSOE_to_CIM\ack_10XFR-RTE-----Q.20120706.ATC24.xml is not valid.

Value '2012-07-05T08:15:12.000+02:00' is not allowed for element <received_MarketDocument.createdDateTime>.

Reason: it does not satisfy any of the defined patterns (see below)

'[2][0][0-9][0-9][\-][0-1][0-9][\-][0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-9][Z]'

Error location: Acknowledgement_MarketDocument /
received_MarketDocument.createdDateTime

Details

cvc-pattern-valid: '2012-07-05T08:15:12.000+02:00' is not matched by the regular expressions of type definition 'Message_DateTime'.

cvc-datatype-valid.1.1: For type definition 'Message_DateTime' the string '2012-07-05T08:15:12.000+02:00' is not pattern valid.

cvc-simple-type.1: For type definition 'Message_DateTime' the string '2012-07-05T08:15:12.000+02:00' is not valid.

cvc-type.3.1.3: The normalized value '2012-07-05T08:15:12.000+02:00' is not valid with respect to the type definition 'Message_DateTime'.

cvc-elt.5.2.1: The element <received_MarketDocument.createdDateTime> is not valid with respect to the actual type definition 'Message_DateTime'.

File ENTSOE_to_CIM\ack_AS-ES-FR-D-DAILYPRODU-120706-01.xml is not valid.

Value '2012-07-05T08:31:12.000+02:00' is not allowed for element <received_MarketDocument.createdDateTime>.

Reason: it does not satisfy any of the defined patterns (see below)

'[2][0][0-9][0-9][\-][0-1][0-9][\-][0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-9][Z]'

Error location: Acknowledgement_MarketDocument /
received_MarketDocument.createdDateTime

Details

cvc-pattern-valid: '2012-07-05T08:31:12.000+02:00' is not matched by the regular expressions of type definition 'Message_DateTime'.

cvc-datatype-valid.1.1: For type definition 'Message_DateTime' the string '2012-07-05T08:31:12.000+02:00' is not pattern valid.

cvc-simple-type.1: For type definition 'Message_DateTime' the string '2012-07-05T08:31:12.000+02:00' is not valid.

cvc-type.3.1.3: The normalized value '2012-07-05T08:31:12.000+02:00' is not valid with respect to the type definition 'Message_DateTime'.

735 cvc-elt.5.2.1: The element
736 <received_MarketDocument.createdDateTime> is not valid with
737 respect to the actual type definition 'Message_DateTime'.

738 File ENTSOE_to_CIM\ack_ntc_REN_20120706.xml is not valid.
739 Value '2012-07-05T06:50:38.000+02:00' is not allowed for element
740 <received_MarketDocument.createdDateTime>.
741 Reason: it does not satisfy any of the defined patterns (see below)
742 '[2][0][0-9][0-9][\-][0-1][0-9][\-][0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-
743 9][Z]'
744 Error location: Acknowledgement_MarketDocument /
745 received_MarketDocument.createdDateTime
746 Details
747 cvc-pattern-valid: '2012-07-05T06:50:38.000+02:00' is not matched by
748 the regular expressions of type definition 'Message_DateTime'.
749 cvc-datatype-valid.1.1: For type definition 'Message_DateTime' the
750 string '2012-07-05T06:50:38.000+02:00' is not pattern valid.
751 cvc-simple-type.1: For type definition 'Message_DateTime' the string
752 '2012-07-05T06:50:38.000+02:00' is not valid.
753 cvc-type.3.1.3: The normalized value '2012-07-
754 05T06:50:38.000+02:00' is not valid with respect to the type definition
755 'Message_DateTime'.
756 cvc-elt.5.2.1: The element
757 <received_MarketDocument.createdDateTime> is not valid with
758 respect to the actual type definition 'Message_DateTime'.

759 4.5.4 CORRECTIONS APPLIED

760 Two types of error have been identified:

- 761 • Use of milliseconds, see §4.1.4;
- 762 • Use of '+2:00' rather than 'Z' for the time zone. Here again the "ENTSO-E
763 Acknowledgement Document (EAD) Implementation Guide" version 5 release 1,
764 §3.3.2 line 148, stated that the date and time must be expressed in UTC as YYYY-
765 MM-DDYHH:MM:SSZ. However, the ENTSO-E schema does not have pattern on the
766 <DateTimeType> (xsd:dateTime). This was an unexpected error in some of the
767 Acknowledgement Documents sent as samples and does not reflect the current REE
768 implementation of EAD.

769 The following corrections were applied:

770 File ENTSOE_to_CIM\ack_10XFR-RTE-----Q.20120706.ATC24.xml

771 Value '2012-07-05T08:15:12.000+02:00' for element
772 <received_MarketDocument.createdDateTime> changed to '2012-07-05T08:15:12Z'
773 as per the requirements on time.

774 File ENTSOE_to_CIM\ack_AS-ES-FR-D-DAILYPRODU-120706-01.xml

Value '2012-07-05T08:31:12.000+02:00' for element
<received_MarketDocument.createdDateTime> changed to '2012-07-05T08:31:12Z'
as per the requirements on time.

File ENTSOE_to_CIM\ack_ntc_REN_20120706.xml

Value '2012-07-05T06:50:38.000+02:00' for element
<received_MarketDocument.createdDateTime> changed to '2012-07-05T06:50:38Z'
as per the requirements on time.

With these corrections, the XML instances were all valid.

Note: To have the createdDateTime expressed in milliseconds could be a future business requirement.

4.5.5 CHECK TRANSFORMED IEC XML INSTANCES

No error was found.

4.6 RTE

4.6.1 CHECK RECEIVED XML SCHEMA INSTANCES

The following errors were found:

File Original\ACK_11XIBERDROLA-013_ES-FR-D-DAILYPRODU-120704-01_1.xml is not valid.

Value 'Z01' is not allowed for attribute 'v'.

Reason: it does not match any of the defined enumerations (see below)

'A01'	'A29'	'A58'	'A77'	'A96'
'A02'	'A30'	'A59'	'A78'	'A97'
'A03'	'A41'	'A60'	'A79'	'A98'
'A04'	'A42'	'A61'	'A80'	'A99'
'A05'	'A43'	'A62'	'A81'	'B01'
'A06'	'A44'	'A63'	'A82'	'B02'
'A07'	'A45'	'A64'	'A83'	'B03'
'A08'	'A46'	'A65'	'A84'	'B04'
'A09'	'A47'	'A66'	'A85'	'B05'
'A10'	'A48'	'A67'	'A86'	'B06'
'A20'	'A49'	'A68'	'A87'	'B07'
'A21'	'A50'	'A69'	'A88'	'B08'
'A22'	'A51'	'A70'	'A89'	'B09'
'A23'	'A52'	'A71'	'A90'	'B10'
'A24'	'A53'	'A72'	'A91'	'B11'
'A25'	'A54'	'A73'	'A92'	'B12'
'A26'	'A55'	'A74'	'A93'	'B13'
'A27'	'A56'	'A75'	'A94'	'B14'

'A28'	'A57'	'A76'	'A95'	'B15'
				'999'

Error location: AcknowledgementDocument / Reason / ReasonCode / @v

Details

cvc-enumeration-valid: 'Z01' is none of the values specified by the enumerations of type 'ecc:ReasonCodeTypeList'.

cvc-datatype-valid.2: The value 'Z01' is not a member of type definition 'ecc:ReasonCodeTypeList'.

cvc-simple-type.1: For type definition 'ecc:ReasonCodeTypeList' the string 'Z01' is not valid.

cvc-attribute.3: Value 'Z01' of attribute 'v' does not match simple type definition 'ecc:ReasonCodeTypeList'.

cvc-complex-type.3.1: The attribute 'v' of complex type 'ecc:ReasonCodeType' is not valid.

cvc-elt.5.2.1: The element <ReasonCode> is not valid with respect to the actual type definition 'ecc:ReasonCodeType'.

File Original\ACK_18XHISPE-1234-3C_ES-FR-D-DAILYPRODU-121212-01_1.xml is not valid.

Value 'Z01' is not allowed for attribute 'v'.

Reason: it does not match any of the defined enumerations (see below)

'A01'	'A29'	'A58'	'A77'	'A96'
'A02'	'A30'	'A59'	'A78'	'A97'
'A03'	'A41'	'A60'	'A79'	'A98'
'A04'	'A42'	'A61'	'A80'	'A99'
'A05'	'A43'	'A62'	'A81'	'B01'
'A06'	'A44'	'A63'	'A82'	'B02'
'A07'	'A45'	'A64'	'A83'	'B03'
'A08'	'A46'	'A65'	'A84'	'B04'
'A09'	'A47'	'A66'	'A85'	'B05'
'A10'	'A48'	'A67'	'A86'	'B06'
'A20'	'A49'	'A68'	'A87'	'B07'
'A21'	'A50'	'A69'	'A88'	'B08'
'A22'	'A51'	'A70'	'A89'	'B09'
'A23'	'A52'	'A71'	'A90'	'B10'
'A24'	'A53'	'A72'	'A91'	'B11'
'A25'	'A54'	'A73'	'A92'	'B12'
'A26'	'A55'	'A74'	'A93'	'B13'
'A27'	'A56'	'A75'	'A94'	'B14'
'A28'	'A57'	'A76'	'A95'	'B15'
				'999'

Error location: AcknowledgementDocument / Reason / ReasonCode / @v

Details

814 cvc-enumeration-valid: 'Z01' is none of the values specified by the
815 enumerations of type 'ecc:ReasonCodeTypeList'.
816 cvc-datatype-valid.2: The value 'Z01' is not a member of type definition
817 'ecc:ReasonCodeTypeList'.
818 cvc-simple-type.1: For type definition 'ecc:ReasonCodeTypeList' the
819 string 'Z01' is not valid.
820 cvc-attribute.3: Value 'Z01' of attribute 'v' does not match simple type
821 definition 'ecc:ReasonCodeTypeList'.
822 cvc-complex-type.3.1: The attribute 'v' of complex type
823 'ecc:ReasonCodeType' is not valid.
824 cvc-elt.5.2.1: The element <ReasonCode> is not valid with respect to
825 the actual type definition 'ecc:ReasonCodeType'.

826 4.6.2 CORRECTIONS APPLIED

827 The 'Z01' value has been changed in a valid "ReasonCode" from the ENTSO-E codelist, i.e.
828 'A01'.
829 With this change, all the XML instances are valid using the ENTSO-E schema.

830 4.6.3 CHECK TRANSFORMED XML SCHEMA INSTANCES

831 The XSLT transform was applied and the resulting files were checked versus the IEC
832 schema. The results were the following ones:

833 File ENTSOE_to_CIM\acknowledge_10XES-REE-----E_AS-FR-ES-D-DAILYPRODU-
834 120704-01_1.xml is not valid.

835 Value '2012-07-03T08:34:12.000+02:00' is not allowed for element
836 <received_MarketDocument.createdDateTime>.

837 Reason: it does not satisfy any of the defined patterns (see below)

838 '[2][0][0-9][0-9][\-\-][0-1][0-9][\-\-][0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-
839 9][Z]'

840 Error location: Acknowledgement_MarketDocument /
841 received_MarketDocument.createdDateTime

842 Details

843 cvc-pattern-valid: '2012-07-03T08:34:12.000+02:00' is not matched by
844 the regular expressions of type definition 'Message_DateTime'.

845 cvc-datatype-valid.1.1: For type definition 'Message_DateTime' the
846 string '2012-07-03T08:34:12.000+02:00' is not pattern valid.

847 cvc-simple-type.1: For type definition 'Message_DateTime' the string
848 '2012-07-03T08:34:12.000+02:00' is not valid.

849 cvc-type.3.1.3: The normalized value '2012-07-
850 03T08:34:12.000+02:00' is not valid with respect to the type definition
851 'Message_DateTime'.

852 cvc-elt.5.2.1: The element
853 <received_MarketDocument.createdDateTime> is not valid with
854 respect to the actual type definition 'Message_DateTime'.

855 4.6.4 CORRECTIONS APPLIED

856 The following corrections were applied (see §4.5.4):

857 File ENTSOE_to_CIM\acknowledge_10XES-REE-----E_AS-FR-ES-D-DAILYPRODU-
858 120704-01_1.xml

859 Value '2012-07-03T08:34:12.000+02:00' for element
860 <received_MarketDocument.createdDateTime> changed to '2012-07-03T08:34:12Z'
861 as per the requirements on time.

862 With these corrections, the XML instances were all valid.

863 Note: To have the received_MarketDocument.createdDateTime expressed in milliseconds
864 could be a future business requirement.

865 4.6.5 CHECK TRANSFORMED IEC XML INSTANCES

866 No error was found.

5 ANNEX – LIST OF FOLDERS AND XML INSTANCES

5.1 INTRODUCTION

All the files used to carry out the IOP test (except the XMLSpy tool) are available on the ENTSO-E web site, EDI Library page, section “CIM Market IOP”.

A zip file containing the information described hereafter is included.

5.2 CONTENT OF THE ZIP FILE

The zip file structure is the following one:

- The main folder contains:
 - the two XSLT to transform the XML instances (highlighted in yellow, and listed in §6),
 - the folder for the CIM schema and codelist,
 - the folder ENTISOE for the ENTSO-E schema, codelist and core components,
 - and for each set of XML instances provided a dedicated folder.

```
..\ENTSO_CIM
ADMIE
Alstom
CIM
cim_entso.xsl
ENTSOE
entso_cim.xsl
MAVIR
PSE Operator
REE
RTE
```

- The CIM folder contains the IEC 62325-451-1 schema (§7.2.1) and codelist (§7.2.2) used during the tests, as well as the schema (§7.2.3) to handle the milliseconds:

```
..\ENTSO_CIM\CIM
iec62325-451-1-acknowledgement.xsd
iec62325-451-1-acknowledgement_new.xsd
wgedi-codelists.xsd
```

- The ENTISOE folder contains the ENTSO-E schema (§7.1.1), core components (§7.1.2) and codelist (§7.1.3) used during the tests:

```
..\ENTSO_CIM\ENTISOE
ack-v5r0
core-cmpts
..\ENTSO_CIM\ENTISOE\ack-v5r0
acknowledgement-v5r0.xsd
..\ENTSO_CIM\ENTISOE\core-cmpts
etso-code-lists.xsd
etso-core-cmpts.xsd
```

- Then for each set XML instances, the folder contains the following sub-folders:
 - Original: ENTSO-E XML instances provided;
 - IOP Test ACK: ENTSO-E instances including the corrections to pass the well-formedness and validity checks versus the ENTSO-E acknowledgement schema;
 - ENTISOE_to_CIM: the transformed XML instances including the corrections to pass the well-formedness and validity checks versus the IEC 62325-451-1 acknowledgement schema;

- 915 ○ CIM_to_ENTSOE: the transformed XML instances into ENTSO-E XML
916 instances.

917 Only the “Original” folder is detailed; the filenames are strictly identical in the other folders.

```
918 ..\ENTSO_CIM\ADMIE
919 CIM_to_ENTSOE
920 ENTSOE_to_CIM
921 IOP Test_ACK
922 Original
923 ..\ENTSO_CIM\ADMIE\Original
924 ACK1389288529363709549.xml
925 ACK1496091530007996115.xml
926 ACK8240927646782188232.xml
927 ..\ENTSO_CIM\Alstom
928 CIM_to_ENTSOE
929 ENTSOE_to_CIM
930 IOP Test_ACK
931 Original
932 ..\ENTSO_CIM\Alstom\Original
933 ACK_10XES-REE-----E_10XES-REE-----E-CAS-L-RE=RT-260412_1.xml
934 ACK_10XES-REE-----E_10XES-REE-----E-CAS-L-RE=RT-260412_2.xml
935 entso-ack-sample.xml
936 entso-ack-sample_1.xml
937 entso-ack-sample_2.xml
938 entso-ack-sample_3.xml
939 ..\ENTSO_CIM\MAVIR
940 CIM_to_ENTSOE
941 ENTSOE_to_CIM
942 IOP Test_ACK
943 Original
944 ..\ENTSO_CIM\MAVIR\Original
945 IEC_62325_IOP_testack_A01.xml
946 IEC_62325_IOP_testack_A01_1.xml
947 IEC_62325_IOP_testack_A02.xml
948 IEC_62325_IOP_testack_A02_1.xml
949 IEC_62325_IOP_testack_A03.xml
950 IEC_62325_IOP_testack_A94.xml
951 IEC_62325_IOP_testack_proprietaryRC.xml
952 ..\ENTSO_CIM\PSE Operator
953 CIM_to_ENTSOE
954 ENTSOE_to_CIM
955 IOP Test_ACK
956 Original
957 ..\ENTSO_CIM\PSE Operator\Original
958 20101202_CAS_19XTSO-TEST----M_10XPL-TSO-----P_001_ACK_2010-11-30T16-08-
959 20101202_CAS_19XTSO-TEST----M_10XPL-TSO-----P_001_ACK_2010-11-30T16-09-
960 20101202_CNF_19XTSO-TEST----M_10XPL-TSO-----P_ACK_2010-11-30T17-15-52Z.xml
961 20110123_CAX_19XCA-TEST----1_10XPL-TSO-----P_001_ACK_20110121103118.xml
962 20110522_CAS_19XTSO-TEST----M_10XPL-TSO-----P_004_ACK_2011-05-21T12-35-
963 20110724_CAS_19XTSO-TEST----M_10XPL-TSO-----P_001_ACK_2011-07-23T12-34-
964 20110930_RDS_10XPL-TSO-----P_19XAO-TEST-----7_001_ACK_2011-09-30T08-30-
965 20111006_RDL_10XPL-TSO-----P_19XAO-TEST-----7_001_ACK_2011-10-06T10-25-
966 20111124_RDL_10XPL-TSO-----P_19XAO-TEST-----7_001_ACK_2011-11-24T13-05-
967 20120106_CNF_19XTSO-TEST----M_10XPL-TSO-----P_ACK_2012-01-05T12-33-58Z.xml
968 20120221_ACK_RDI_10XPL-TSO-----P_19XAO-TEST-----7_003_2012-02-21T20-56-
969 20120302_ACK_RDI_10XPL-TSO-----P_19XAO-TEST-----7_005_2012-03-02T08-36-
970 20120429_RDL_10XPL-TSO-----P_19XAO-TEST-----7_001_ACK_2012-04-29T10-20-
971 20120618_CAS_19XTSO-TEST----M_10XPL-TSO-----P_006_ACK_2012-06-17T13-36-
972 20120621_CAS_19XTSO-TEST----M_10XPL-TSO-----P_008_ACK_2012-06-21T16-33-
973 20120621_CBS_10XCB-POLAND---C_10XCC-UCTE-NO-Y_001_ACK_20120620135019.xml
974 20120621_CBS_10XCB-POLAND---C_10XCC-UCTE-NO-Y_001_ACK_20120620135019_1.xml
975 20120621_CBS_19XCB-TEST----Q_10XCB-POLAND---C_009_ACK_20120621164026.xml
976 20120621_CBS_19XCB-TEST----Q_10XCB-POLAND---C_009_ACK_20120621164026_1.xml
977 20120621_CIC_10XPL-TSO-----P_19XAO-TEST-----7_001_2012-06-19T15-20-
978 20120621_CIC_10XPL-TSO-----P_19XAO-TEST-----7_001_2012-06-19T15-20-
979 20120621_CNF_19XTSO-TEST----M_10XPL-TSO-----P_ACK_2012-06-21T16-34-48Z.xml
980 20120622_CAS_19XTSO-TEST----M_10XPL-TSO-----P_012_ACK_2012-06-22T11-26-
981 20120622_RDL_10XPL-TSO-----P_19XAO-TEST-----7_001_ACK_2012-06-22T10-30-
982 20120622_RDS_10XPL-TSO-----P_19XAO-TEST-----7_001_ACK_2012-06-22T08-30-
983 20120625_CAX_19XCA-TEST----1_10XPL-TSO-----P_001_ACK_20120622112032.xml
984 ACK_AACI.xml
985 ACK_AACI_1.xml
986 ACK_ATCI.xml
987 ACK_ATCI_1.xml
988 OGWM.xml
989 PGWM.xml
990 PGWM_1.xml
991 ..\ENTSO_CIM\REE
992 CIM_to_ENTSOE
993 ENTSOE_to_CIM
994 IOP Test_ACK
995 Original
996 ..\ENTSO_CIM\REE\Original
997 ack_10XFR-RTE-----Q_20120706.ATC24.xml
998 ack_10XFR-RTE-----Q_20120706.NTC24_N.xml
999 ack_20120614_CAS_AP RTE REE NOK.xml
1000 ack_20120706_CAS_LT RTE REE.xml
1001 ack_AS-ES-FR-D-DAILYPRODU-120706-01.xml
1002 ack_ntc_REN_20120706.xml
1003 ack_schedules_i4_ren_20120705.xml
1004 ack_SOAM-RTE-REE-030712_N.xml
1005 ..\ENTSO_CIM\RTE
1006 CIM_to_ENTSOE
```

```
1007  ENTSGE_to_CIM
1008  IOP Test_ACK
1009  Original
1010  ..\ENTSGE_CIM\RTE\Original
1011      119412433.xml
1012      119412434.xml
1013      229982927.xml
1014      3739864248.xml
1015      acknowledge_10XES-REE-----E_AS-FR-ES-D-DAILYPRODU-120704-01_1.xml
1016      ACK_10XFR-RTE-----Q_A_R-FR-IT-D-DAILYPRODU-120704-01_1.xml
1017      ACK_10XFR-RTE-----Q_A_S-FR-IT-M-PEAK-----120801-01_2.xml
1018      ACK_10XFR-RTE-----Q_P_A-DAILY-RT-TE-20120621_1.xml
1019      ACK_10XFR-RTE-----Q_TR2019893805_1.xml
1020      ACK_11XIBERDROLA-013_ES-FR-D-DAILYPRODU-120704-01_1.xml
1021      ACK_17X100A100R0128W_FR-ES-D-DAILYPRODU-121212-01_1.xml
1022      ACK_17X100A100R0128W_FR-ES-D-DAILYPRODU-121212-01_3.xml
1023      ACK_18XHISPE-1234-3C_ES-FR-D-DAILYPRODU-121212-01_1.xml
1024      ACK_20062012_Nomination_Elia_Gate09_1.xml
1025      ACK_20120625_SWISS-RTE_1.xml
1026      ACK_A31_NTC_FR-DE_2012I208_1.xml
1027      ACK_A_S-FR-BE-M-BASE-----120801-01_1.xml
1028      ACK_RS3618181406.xml
1029      ACK_RS894770237.xml
```

1030 These sets of ENTSO-E XML instances cover the various use of the acknowledgement
1031 document within European style markets.

6 ANNEX – XLST USED TO CARRY OUT THE CONVERSION

6.1 FROM ENTSO-E XML INSTANCE TO IEC XML INSTANCE

The style sheet used to convert an ENTSO-E acknowledgement XML instance into an IEC 62325-451-1 acknowledgement XML instance is provided hereafter.

It should be underlined that an issue was raised when developping the XSLT about the date time pattern used in ENTSO-E documents.

Currently, in ENTSO-E Implementation Guides the following date time pattern are defined:

- a) YYYY-MM-DDTHH:MM:SSZ: to identify a given time, typically for the creation date of a document,
- b) YYYY-MM-DD: to identify a date in the Outage document,
- c) HH:MM:SSZ: to identify a time in the Outage document,
- d) YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ: to identify a time interval.

The items a), b), and c) can be described using a dateTime datatype with a pattern; in the same way, YYYY-MM-DDTHH:MM:SS.sssZ (to include the milliseconds) can also be described with a dateTime datatype and a pattern.

But, it is not possible to use a dateTime datatype for YYYY-MM-DDTHH:MMZ. The only feasible solution is to define for this attribute a String datatype with the following pattern [2][0][0-9][0-9][\-][0-1][0-9][\-][0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-9][Z].

At the time being, the IEC 62325-351 defines only a DateTimeInterval through a “start” and “end” attributes that are of type “Message-DateTime”, i.e. YYYY-MM-DDTHH:MM:SSZ.

To perform the transformation of ENTSO-E XML instances into CIM XML instances, the characters “:00” have been added to the ENTSO-E values of the time interval.

As an example:

```
<QuantityTimeInterval v="2012-05-05T22:00Z/2012-05-06T22:00Z"/>
```

was transformed into

```
<timeInterval>  
  <end>2012-05-06T22:00:00Z</end>  
  <start>2012-05-05T22:00:00Z</start>
```

```
</timeInterval>
```

```
<?xml version="1.0" encoding="UTF-8"?>  
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"  
  xmlns="urn:IEC62325.351:wg16:acknowledgementdocument:5:1"  
  version="1.0">  
  <xsl:template match="AcknowledgementDocument">  
    <Acknowledgement_MarketDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
      xsi:schemaLocation="urn:IEC62325.351:wg16:acknowledgementdocument:5:1 CIM/iec62325-451-1-acknowledgement.xsd"  
      schemaVersion="5" schemaRelease="0">  
      <xsl:apply-templates select="node()" />  
    </Acknowledgement_MarketDocument>  
  </xsl:template>  
  <xsl:template match="DocumentIdentification">  
    <aliasName><xsl:value-of select="@v"/></aliasName>  
  </xsl:template>  
  <xsl:template match="DocumentDateTime">  
    <createdDateTime><xsl:value-of select="@v"/></createdDateTime>
```

```
1077 </xsl:template>
1078 <xsl:template match="SenderIdentification">
1079   <sender_MarketParticipant.aliasName>
1080     <xsl:copy-of select="@codingScheme"/>
1081     <xsl:value-of select="@v"/>
1082   </sender_MarketParticipant.aliasName>
1083 </xsl:template>
1084 <xsl:template match="SenderRole">
1085   <sender_MarketParticipant.marketRole.type><xsl:value-of select="@v"/></sender_MarketParticipant.marketRole.type>
1086 </xsl:template>
1087 <xsl:template match="ReceiverIdentification">
1088   <receiver_MarketParticipant.aliasName>
1089     <xsl:copy-of select="@codingScheme"/>
1090     <xsl:value-of select="@v"/>
1091   </receiver_MarketParticipant.aliasName>
1092 </xsl:template>
1093 <xsl:template match="ReceiverRole">
1094   <receiver_MarketParticipant.marketRole.type><xsl:value-of select="@v"/></receiver_MarketParticipant.marketRole.type>
1095 </xsl:template>
1096 <xsl:template match="ReceivingDocumentIdentification">
1097   <received_MarketDocument.aliasName><xsl:value-of select="@v"/></received_MarketDocument.aliasName>
1098 </xsl:template>
1099 <xsl:template match="ReceivingDocumentVersion">
1100   <received_MarketDocument.revisionNumber><xsl:value-of select="@v"/></received_MarketDocument.revisionNumber>
1101 </xsl:template>
1102 <xsl:template match="ReceivingDocumentType">
1103   <received_MarketDocument.type><xsl:value-of select="@v"/></received_MarketDocument.type>
1104 </xsl:template>
1105 <xsl:template match="ReceivingPayloadName">
1106   <received_MarketDocument.title><xsl:value-of select="@v"/></received_MarketDocument.title>
1107 </xsl:template>
1108 <xsl:template match="DateTimeReceivingDocument">
1109   <received_MarketDocument.createdDateTime><xsl:value-of select="@v"/></received_MarketDocument.createdDateTime>
1110 </xsl:template>
1111 <xsl:template match="TimeSeriesRejection">
1112   <Rejected_TimeSeries>
1113     <xsl:apply-templates select="node()" />
1114   </Rejected_TimeSeries>
1115 </xsl:template>
1116 <xsl:template match="TimeSeriesRejection/SendersTimeSeriesIdentification">
1117   <aliasName><xsl:value-of select="@v"/></aliasName>
1118 </xsl:template>
1119 <xsl:template match="TimeSeriesRejection/SendersTimeSeriesVersion">
1120   <version><xsl:value-of select="@v"/></version>
1121 </xsl:template>
1122 <xsl:template match="*/TimeIntervalError">
1123   <InError_Period>
1124     <xsl:apply-templates select="node()" />
1125   </InError_Period>
1126 </xsl:template>
1127 <xsl:template match="*/QuantityTimeInterval">
1128   <timeInterval>
1129     <end><xsl:value-of select="concat(substring(@v,19,16),' :00Z')"/></end>
1130     <start><xsl:value-of select="concat(substring(@v,1,16),' :00Z')"/></start>
1131   </timeInterval>
1132 </xsl:template>
1133 <xsl:template match="*/Reason">
1134   <Reason>
1135     <xsl:apply-templates select="node()" />
1136   </Reason>
1137 </xsl:template>
1138 <xsl:template match="*/Reason/ReasonCode">
1139   <code><xsl:value-of select="@v"/></code>
1140 </xsl:template>
1141 <xsl:template match="*/Reason/ReasonText">
1142   <text><xsl:value-of select="@v"/></text>
1143 </xsl:template>
1144 </xsl:stylesheet>
```

6.2 FROM IEC XML INSTANCE TO ENTSO-E XML INSTANCE

The style sheet used to convert an IEC 62325-451-1 acknowledgement XML instance into an ENTSO-E acknowledgement XML instance is provided hereafter.

```
1148 <?xml version="1.0" encoding="UTF-8"?>
1149 <xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
1150   xmlns:s1="urn:IEC62325.351:wg16:acknowledgementdocument:5:1"
1151   exclude-result-prefixes="s1"
1152   version="1.0">
1153   <xsl:template match="s1:Acknowledgement_MarketDocument">
1154     <AcknowledgementDocument xmlns:ecc="etso-core-cmpts.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
1155       xsi:noNamespaceSchemaLocation="ENTSO/ack-v5r0/acknowledgement-v5r0.xsd" DtdVersion="5" DtdRelease="0">
1156       <xsl:apply-templates select="node()" />
1157     </AcknowledgementDocument>
1158   </xsl:template>
1159   <xsl:template match="s1:aliasName">
1160     <DocumentIdentification>
1161       <xsl:attribute name="v">
1162         <xsl:value-of select="text()" />
1163       </xsl:attribute>
1164     </DocumentIdentification>
1165   </xsl:template>
```

```
1166 <xsl:template match="sl:createdDateTime">
1167 <DocumentDateTime>
1168 <xsl:attribute name="v">
1169 <xsl:value-of select="text()" />
1170 </xsl:attribute>
1171 </DocumentDateTime>
1172 </xsl:template>
1173 <xsl:template match="sl:sender_MarketParticipant.aliasName">
1174 <SenderIdentification>
1175 <xsl:attribute name="v">
1176 <xsl:value-of select="text()" />
1177 </xsl:attribute>
1178 <xsl:copy-of select="@codingScheme" />
1179 </SenderIdentification>
1180 </xsl:template>
1181 <xsl:template match="sl:sender_MarketParticipant.marketRole.type">
1182 <SenderRole>
1183 <xsl:attribute name="v">
1184 <xsl:value-of select="text()" />
1185 </xsl:attribute>
1186 </SenderRole>
1187 </xsl:template>
1188 <xsl:template match="sl:receiver_MarketParticipant.aliasName">
1189 <ReceiverIdentification>
1190 <xsl:attribute name="v">
1191 <xsl:value-of select="text()" />
1192 </xsl:attribute>
1193 <xsl:copy-of select="@codingScheme" />
1194 </ReceiverIdentification>
1195 </xsl:template>
1196 <xsl:template match="sl:receiver_MarketParticipant.marketRole.type">
1197 <ReceiverRole>
1198 <xsl:attribute name="v">
1199 <xsl:value-of select="text()" />
1200 </xsl:attribute>
1201 </ReceiverRole>
1202 </xsl:template>
1203 <xsl:template match="sl:received_MarketDocument.aliasName">
1204 <ReceivingDocumentIdentification>
1205 <xsl:attribute name="v">
1206 <xsl:value-of select="text()" />
1207 </xsl:attribute>
1208 </ReceivingDocumentIdentification>
1209 </xsl:template>
1210 <xsl:template match="sl:received_MarketDocument.revisionNumber">
1211 <ReceivingDocumentVersion>
1212 <xsl:attribute name="v">
1213 <xsl:value-of select="text()" />
1214 </xsl:attribute>
1215 </ReceivingDocumentVersion>
1216 </xsl:template>
1217 <xsl:template match="sl:received_MarketDocument.type">
1218 <ReceivingDocumentType>
1219 <xsl:attribute name="v">
1220 <xsl:value-of select="text()" />
1221 </xsl:attribute>
1222 </ReceivingDocumentType>
1223 </xsl:template>
1224 <xsl:template match="sl:received_MarketDocument.title">
1225 <ReceivingPayloadName>
1226 <xsl:attribute name="v">
1227 <xsl:value-of select="text()" />
1228 </xsl:attribute>
1229 </ReceivingPayloadName>
1230 </xsl:template>
1231 <xsl:template match="sl:received_MarketDocument.createdDateTime">
1232 <DateTimeReceivingDocument>
1233 <xsl:attribute name="v">
1234 <xsl:value-of select="text()" />
1235 </xsl:attribute>
1236 </DateTimeReceivingDocument>
1237 </xsl:template>
1238 <xsl:template match="sl:Rejected_TimeSeries">
1239 <TimeSeriesRejection>
1240 <xsl:apply-templates select="node()" />
1241 </TimeSeriesRejection>
1242 </xsl:template>
1243 <xsl:template match="sl:Rejected_TimeSeries/sl:aliasName">
1244 <SendersTimeSeriesIdentification>
1245 <xsl:attribute name="v">
1246 <xsl:value-of select="text()" />
1247 </xsl:attribute>
1248 </SendersTimeSeriesIdentification>
1249 </xsl:template>
1250 <xsl:template match="sl:Rejected_TimeSeries/sl:version">
1251 <SendersTimeSeriesVersion>
1252 <xsl:attribute name="v">
1253 <xsl:value-of select="text()" />
1254 </xsl:attribute>
1255 </SendersTimeSeriesVersion>
1256 </xsl:template>
1257 <xsl:template match="*/sl:InError_Period">
1258 <TimeIntervalError>
1259 <xsl:apply-templates select="node()" />
1260 </TimeIntervalError>
1261 </xsl:template>
```

```
1262     <xsl:template match="*/sl:timeInterval">
1263         <QuantityTimeInterval>
1264             <xsl:attribute name="v">
1265                 <xsl:value-of select="concat(substring(./sl:start,1,16),'Z')"/><xsl:value-of
1266 select="concat(substring(./sl:end,1,16),'Z')"/>
1267             </xsl:attribute>
1268             </QuantityTimeInterval>
1269         </xsl:template>
1270     <xsl:template match="*/sl:Reason">
1271         <Reason>
1272             <xsl:apply-templates select="node()" />
1273         </Reason>
1274     </xsl:template>
1275     <xsl:template match="*/sl:Reason/sl:code">
1276         <ReasonCode>
1277             <xsl:attribute name="v">
1278                 <xsl:value-of select="text()" />
1279             </xsl:attribute>
1280         </ReasonCode>
1281     </xsl:template>
1282     <xsl:template match="*/sl:Reason/sl:text">
1283         <ReasonText>
1284             <xsl:attribute name="v">
1285                 <xsl:value-of select="text()" />
1286             </xsl:attribute>
1287         </ReasonText>
1288     </xsl:template>
1289 </xsl:stylesheet>
```

7 ANNEX – SCHEMA AND CODELIST USED FOR ENTSO-E AND IEC TESTS

7.1 ENTSO-E

7.1.1 ACKNOWLEDGEMENT SCHEMA

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:ecc="etso-core-cmpts.xsd" elementFormDefault="qualified"
attributeFormDefault="unqualified" ecc:VersionRelease="6.0">
  <xsd:import namespace="etso-core-cmpts.xsd" schemaLocation="../core-cmpts/etso-core-cmpts.xsd"/>
  <!--
    ETSO Document Automatically generated from a UML class diagram using XMI.
    Generation tool version 1.7
  -->
  <xsd:element name="AcknowledgementDocument">
    <xsd:complexType>
      <xsd:annotation>
        <xsd:documentation/>
      </xsd:annotation>
      <xsd:sequence>
        <xsd:element name="DocumentIdentification" type="ecc:IdentificationType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="DocumentDateTime" type="ecc:MessageDateTimeType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="SenderIdentification" type="ecc:PartyType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="SenderRole" type="ecc:RoleType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="ReceiverIdentification" type="ecc:PartyType">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="ReceiverRole" type="ecc:RoleType" minOccurs="0" maxOccurs="1">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="ReceivingDocumentIdentification" type="ecc:IdentificationType" minOccurs="0" maxOccurs="1">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="ReceivingDocumentVersion" type="ecc:VersionType" minOccurs="0" maxOccurs="1">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="ReceivingDocumentType" type="ecc:MessageType" minOccurs="0" maxOccurs="1">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="ReceivingPayloadName" type="ecc:IdentificationType" minOccurs="0" maxOccurs="1">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="DateTimeReceivingDocument" type="ecc:MessageDateTimeType" minOccurs="0" maxOccurs="1">
          <xsd:annotation>
            <xsd:documentation/>
          </xsd:annotation>
        </xsd:element>
        <xsd:element name="TimeSeriesRejection" type="TimeSeriesRejection_Type" minOccurs="0" maxOccurs="unbounded"/>
        <xsd:element name="Reason" type="Reason_Type" minOccurs="1" maxOccurs="unbounded"/>
        <xsd:element name="TimeIntervalError" type="TimeIntervalError_Type" minOccurs="0" maxOccurs="unbounded"/>
      </xsd:sequence>
      <xsd:attribute name="DtdVersion" type="xsd:string" use="required"/>
    </complexType>
  </xsd:element>
</xsd:schema>
```

```
1368         <xsd:attribute name="DtdRelease" type="xsd:string" use="required"/>
1369     </xsd:complexType>
1370 </xsd:element>
1371 <xsd:complexType name="TimeSeriesRejection_Type">
1372     <xsd:annotation>
1373         <xsd:documentation/>
1374     </xsd:annotation>
1375     <xsd:sequence>
1376         <xsd:element name="SendersTimeSeriesIdentification" type="ecc:IdentificationType">
1377             <xsd:annotation>
1378                 <xsd:documentation/>
1379             </xsd:annotation>
1380         </xsd:element>
1381         <xsd:element name="SendersTimeSeriesVersion" type="ecc:VersionType" minOccurs="0" maxOccurs="1">
1382             <xsd:annotation>
1383                 <xsd:documentation/>
1384             </xsd:annotation>
1385         </xsd:element>
1386         <xsd:element name="TimeIntervalError" type="TimeIntervalError_Type" minOccurs="0" maxOccurs="unbounded"/>
1387         <xsd:element name="Reason" type="Reason_Type" minOccurs="0" maxOccurs="unbounded"/>
1388     </xsd:sequence>
1389 </xsd:complexType>
1390 <xsd:complexType name="TimeIntervalError_Type">
1391     <xsd:annotation>
1392         <xsd:documentation/>
1393     </xsd:annotation>
1394     <xsd:sequence>
1395         <xsd:element name="QuantityTimeInterval" type="ecc:TimeIntervalType">
1396             <xsd:annotation>
1397                 <xsd:documentation/>
1398             </xsd:annotation>
1399         </xsd:element>
1400         <xsd:element name="Reason" type="Reason_Type" minOccurs="1" maxOccurs="unbounded"/>
1401     </xsd:sequence>
1402 </xsd:complexType>
1403 <xsd:complexType name="Reason_Type">
1404     <xsd:annotation>
1405         <xsd:documentation/>
1406     </xsd:annotation>
1407     <xsd:sequence>
1408         <xsd:element name="ReasonCode" type="ecc:ReasonCodeType">
1409             <xsd:annotation>
1410                 <xsd:documentation/>
1411             </xsd:annotation>
1412         </xsd:element>
1413         <xsd:element name="ReasonText" type="ecc:ReasonTextType" minOccurs="0" maxOccurs="1">
1414             <xsd:annotation>
1415                 <xsd:documentation/>
1416             </xsd:annotation>
1417         </xsd:element>
1418     </xsd:sequence>
1419 </xsd:complexType>
1420 </xsd:schema>
```

7.1.2 CORE COMPONENT

```
1422 <?xml version="1.0" encoding="UTF-8"?>
1423 <xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:ecl="etso-code-lists.xsd" xmlns:ecc="etso-core-cmpts.xsd"
1424 targetNamespace="etso-core-cmpts.xsd" elementFormDefault="qualified">
1425     <xsd:import namespace="etso-code-lists.xsd" schemaLocation="etso-code-lists.xsd"/>
1426     <!--
1427         _____ ETSO CORE COMPONENTS _____ V19 R0 ----->
1428     <!--
1429     <xsd:annotation>
1430         <xsd:documentation>
1431             <Titre> List of ETSO Core Components which are used in the development of ETSO XML Messages </Titre>
1432             <Version>Current Version: 19</Version>
1433             <Release>Current Release: 0</Release>
1434             <LastCoreComponent>ET0050</LastCoreComponent>
1435         </xsd:documentation>
1436     </xsd:annotation>
1437     <!--
1438     <xsd:complexType name="AreaType">
1439         <xsd:annotation>
1440             <xsd:documentation>
1441                 <UId>ET0009</UId>
1442                 <Definition>A domain covering a number of related objects, such as balance area, grid area, etc.</Definition>
1443             </xsd:documentation>
1444         </xsd:annotation>
1445         <xsd:attribute name="v" use="required">
1446             <xsd:simpleType>
1447                 <xsd:restriction base="xsd:string">
1448                     <xsd:maxLength value="18"/>
1449                 </xsd:restriction>
1450             </xsd:simpleType>
1451         </xsd:attribute>
1452         <xsd:attribute name="codingScheme" type="ecl:CodingSchemeType" use="required"/>
1453     </xsd:complexType>
1454     <!--
1455     <xsd:complexType name="AmountType">
1456         <xsd:annotation>
1457             <xsd:documentation>
```

```

1459         <UId>ET0022</UId>
1460         <Definition>The monetary value of an object</Definition>
1461     </xsd:documentation>
1462 </xsd:annotation>
1463 <xsd:attribute name="v" use="required">
1464     <xsd:simpleType>
1465         <xsd:restriction base="xsd:decimal">
1466             <xsd:totalDigits value="17"/>
1467         </xsd:restriction>
1468     </xsd:simpleType>
1469 </xsd:attribute>
1470 </xsd:complexType>
1471 <!--
1472 <xsd:complexType name="CodeType">
1473     <xsd:annotation>
1474         <xsd:documentation>
1475             <UId>ET0023</UId>
1476             <Definition>the coded representation of an object.</Definition>
1477         </xsd:documentation>
1478     </xsd:annotation>
1479     <xsd:attribute name="v" use="required">
1480         <xsd:simpleType>
1481             <xsd:restriction base="xsd:string">
1482                 <xsd:maxLength value="3"/>
1483             </xsd:restriction>
1484         </xsd:simpleType>
1485     </xsd:attribute>
1486 </xsd:complexType>
1487 <!--
1488 <xsd:complexType name="ComponentNameType">
1489     <xsd:annotation>
1490         <xsd:documentation>
1491             <UId>ET0046</UId>
1492             <Definition>The identification of an attribute for a given Component.</Definition>
1493         </xsd:documentation>
1494     </xsd:annotation>
1495     <xsd:attribute name="v" use="required">
1496         <xsd:simpleType>
1497             <xsd:restriction base="xsd:string">
1498                 <xsd:maxLength value="70"/>
1499             </xsd:restriction>
1500         </xsd:simpleType>
1501     </xsd:attribute>
1502 </xsd:complexType>
1503 <!--
1504 <xsd:complexType name="ComponentValueType">
1505     <xsd:annotation>
1506         <xsd:documentation>
1507             <UId>ET0047</UId>
1508             <Definition>The value of a given component.</Definition>
1509         </xsd:documentation>
1510     </xsd:annotation>
1511     <xsd:attribute name="v" use="required">
1512         <xsd:simpleType>
1513             <xsd:restriction base="xsd:string">
1514                 <xsd:maxLength value="150"/>
1515             </xsd:restriction>
1516         </xsd:simpleType>
1517     </xsd:attribute>
1518     <xsd:attribute name="codingScheme" type="ecl:CodingSchemeType" use="optional"/>
1519 </xsd:complexType>
1520 <!--
1521 <xsd:complexType name="DateType">
1522     <xsd:annotation>
1523         <xsd:documentation>
1524             <UId>ET0035</UId>
1525             <Definition> The gregorian date that must be expressed as: YYYY-MM-DD</Definition>
1526         </xsd:documentation>
1527     </xsd:annotation>
1528     <xsd:attribute name="v" type="xsd:date" use="required"/>
1529 </xsd:complexType>
1530 <!--
1531 <xsd:complexType name="IdentificationType">
1532     <xsd:annotation>
1533         <xsd:documentation>
1534             <UId>ET0001</UId>
1535             <Definition>A code to uniquely distinguish one occurrence of an entity from
1536 another</Definition>.</xsd:documentation>
1537     </xsd:annotation>
1538     <xsd:attribute name="v" use="required">
1539         <xsd:simpleType>
1540             <xsd:restriction base="xsd:string">
1541                 <xsd:maxLength value="35"/>
1542             </xsd:restriction>
1543         </xsd:simpleType>
1544     </xsd:attribute>
1545 </xsd:complexType>
1546 <!--
1547 <xsd:complexType name="LineType">
1548     <xsd:annotation>
1549         <xsd:documentation>
1550             <UId>ET0050</UId>
1551             <Definition>The identification of an line.</Definition>
1552         </xsd:documentation>
1553     </xsd:annotation>
1554     <xsd:attribute name="v" use="required">

```

```

1555         <xsd:simpleType>
1556             <xsd:restriction base="xsd:string">
1557                 <xsd:maxLength value="16"/>
1558             </xsd:restriction>
1559         </xsd:simpleType>
1560     </xsd:attribute>
1561     <xsd:attribute name="codingScheme" type="ecl:CodingSchemeType" use="required"/>
1562 </xsd:complexType><!--
1563     <xsd:complexType name="LongIdentificationType">
1564         <xsd:annotation>
1565             <xsd:documentation>
1566                 <UId>ET0043</UId>
1567                 <Definition>A code to uniquely distinguish one occurrence of an entity from another with a long
1568 identifier</Definition></xsd:documentation>
1569             </xsd:annotation>
1570             <xsd:attribute name="v" use="required">
1571                 <xsd:simpleType>
1572                     <xsd:restriction base="xsd:string">
1573                         <xsd:maxLength value="150"/>
1574                     </xsd:restriction>
1575                 </xsd:simpleType>
1576             </xsd:attribute>
1577         </xsd:complexType>
1578     <!--
1579     <xsd:complexType name="MessageDateTimeType">
1580         <xsd:annotation>
1581             <xsd:documentation>
1582                 <UId>ET0006</UId>
1583                 <Definition> (Synonym "Document Date Time") Date and time of the preparation of a document. The time must be
1584 expressed in UTC as: YYYY-MM-DDTHH:MM:SSZ</Definition>
1585             </xsd:documentation>
1586         </xsd:annotation>
1587         <xsd:attribute name="v" type="xsd:dateTime" use="required"/>
1588     </xsd:complexType>
1589     <!--
1590     <xsd:complexType name="DateTimeType">
1591         <xsd:annotation>
1592             <xsd:documentation>
1593                 <UId>ET0044</UId>
1594                 <Definition>Date and time of a given time point. The time must be expressed in UTC as: YYYY-MM-
1595 DDTHH:MM:SSZ</Definition>
1596             </xsd:documentation>
1597         </xsd:annotation>
1598         <xsd:attribute name="v" type="xsd:dateTime" use="required"/>
1599     </xsd:complexType>
1600     <!--
1601     <xsd:complexType name="MeteringPointType">
1602         <xsd:annotation>
1603             <xsd:documentation>
1604                 <UId>ET0027</UId>
1605                 <Definition>A domain covering a number of related objects, such as metering point and accounting point,
1606 etc.</Definition>
1607             </xsd:documentation>
1608         </xsd:annotation>
1609         <xsd:attribute name="v" use="required">
1610             <xsd:simpleType>
1611                 <xsd:restriction base="xsd:string">
1612                     <xsd:maxLength value="35"/>
1613                 </xsd:restriction>
1614             </xsd:simpleType>
1615         </xsd:attribute>
1616         <xsd:attribute name="codingScheme" type="ecl:CodingSchemeType" use="required"/>
1617     </xsd:complexType>
1618     <!--
1619     <xsd:complexType name="PartyType">
1620         <xsd:annotation>
1621             <xsd:documentation>
1622                 <UId>ET0014</UId>
1623                 <Definition>The identification of an actor in the Energy market.</Definition>
1624             </xsd:documentation>
1625         </xsd:annotation>
1626         <xsd:attribute name="v" use="required">
1627             <xsd:simpleType>
1628                 <xsd:restriction base="xsd:string">
1629                     <xsd:maxLength value="16"/>
1630                 </xsd:restriction>
1631             </xsd:simpleType>
1632         </xsd:attribute>
1633         <xsd:attribute name="codingScheme" type="ecl:CodingSchemeType" use="required"/>
1634     </xsd:complexType>
1635     <!--
1636     <xsd:complexType name="PositionType">
1637         <xsd:annotation>
1638             <xsd:documentation>
1639                 <UId>ET0021</UId>
1640                 <Definition>(Synonym "pos") A sequential value representing the relative position of an entity within a space
1641 such as a time interval</Definition>
1642             </xsd:documentation>
1643         </xsd:annotation>
1644         <xsd:attribute name="v" use="required">
1645             <xsd:simpleType>
1646                 <xsd:restriction base="xsd:integer">
1647                     <xsd:minInclusive value="1"/>
1648                     <xsd:maxInclusive value="999999"/>
1649                 </xsd:restriction>
1650             </xsd:simpleType>

```



```

1651         </xsd:attribute>
1652     </xsd:complexType>
1653     <!--
1654     <xsd:complexType name="QuantityType">
1655         <xsd:annotation>
1656             <xsd:documentation>
1657                 <UId>ET0012</UId>
1658                 <Definition>(Synonym "qty") The quantity of an energy product. Positive quantities shall not have a
1659 sign.</Definition>
1660             </xsd:documentation>
1661         </xsd:annotation>
1662         <xsd:attribute name="v" type="xsd:decimal" use="required"/>
1663     </xsd:complexType>
1664     <!--
1665     <xsd:complexType name="ReasonTextType">
1666         <xsd:annotation>
1667             <xsd:documentation>
1668                 <UId>ET0016</UId>
1669                 <Definition>The textual explanation of an act.</Definition>
1670             </xsd:documentation>
1671         </xsd:annotation>
1672         <xsd:attribute name="v" use="required">
1673             <xsd:simpleType>
1674                 <xsd:restriction base="xsd:string">
1675                     <xsd:maxLength value="512"/>
1676                 </xsd:restriction>
1677             </xsd:simpleType>
1678         </xsd:attribute>
1679     </xsd:complexType>
1680     <!--
1681     <xsd:complexType name="ResolutionType">
1682         <xsd:annotation>
1683             <xsd:documentation>
1684                 <UId>ET0019</UId>
1685                 <Definition>Defines the number of units of time that compose an individual step within a period. The
1686 resolution is expressed in compliance with ISO 8601 in the following format:PnYnMnDTnHnMnS.Where nY expresses a number of
1687 years, nM a number of months, nD a number of days.The letter "T" separates the date expression from the time expression and
1688 after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds.</Definition>
1689             </xsd:documentation>
1690         </xsd:annotation>
1691         <xsd:attribute name="v" type="xsd:duration" use="required"/>
1692     </xsd:complexType>
1693     <!--
1694     <xsd:complexType name="ResourceObjectType">
1695         <xsd:annotation>
1696             <xsd:documentation>
1697                 <UId>ET0034</UId>
1698                 <Definition>The identification of a resource object in the Energy market.</Definition>
1699             </xsd:documentation>
1700         </xsd:annotation>
1701         <xsd:attribute name="v" use="required">
1702             <xsd:simpleType>
1703                 <xsd:restriction base="xsd:string">
1704                     <xsd:maxLength value="18"/>
1705                 </xsd:restriction>
1706             </xsd:simpleType>
1707         </xsd:attribute>
1708         <xsd:attribute name="codingScheme" type="ecl:CodingSchemeType" use="required"/>
1709     </xsd:complexType>
1710     <!--
1711     <xsd:simpleType name="SubValueType">
1712         <xsd:annotation>
1713             <xsd:documentation>
1714                 <UId>ET0036</UId>
1715                 <Definition>The partial identification of an object, which associated with another value provides the complete
1716 identification.</Definition>
1717             </xsd:documentation>
1718         </xsd:annotation>
1719         <xsd:restriction base="xsd:string">
1720             <xsd:maxLength value="35"/>
1721         </xsd:restriction>
1722     </xsd:simpleType>
1723     <!--
1724     <xsd:complexType name="TextType">
1725         <xsd:annotation>
1726             <xsd:documentation>
1727                 <UId>ET0032</UId>
1728                 <Definition>A textual string</Definition>
1729             </xsd:documentation>
1730         </xsd:annotation>
1731         <xsd:attribute name="v" use="required">
1732             <xsd:simpleType>
1733                 <xsd:restriction base="xsd:string">
1734                     <xsd:maxLength value="700"/>
1735                 </xsd:restriction>
1736             </xsd:simpleType>
1737         </xsd:attribute>
1738     </xsd:complexType>
1739     <!--
1740     <xsd:complexType name="TimeType">
1741         <xsd:annotation>
1742             <xsd:documentation>
1743                 <UId>ET0033</UId>
1744                 <Definition>The time within a 24 hour day that must be expressed as: HH:MM:SS</Definition>
1745             </xsd:documentation>
1746         </xsd:documentation>

```

```

1747         </xsd:annotation>
1748         <xsd:attribute name="v" type="xsd:time" use="required"/>
1749     </xsd:complexType>
1750     <!--
1751     <xsd:complexType name="TimeIntervalType">
1752         <xsd:annotation>
1753             <xsd:documentation>
1754                 <UId>ET0007</UId>
1755                 <Definition>The start date and time and the end date and time of an event. The time interval must be expressed
1756 in a form respecting ISO 8601 : YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.ISO 8601 rules for reduction may apply. The time must
1757 always be expressed in UTC.</Definition>
1758             </xsd:documentation>
1759         </xsd:annotation>
1760         <xsd:attribute name="v" use="required">
1761             <xsd:annotation>
1762                 <xsd:documentation>
1763                     ISO 8601 time intervals are always expressed in the form
1764 yyyy-mm-ddThh:mmZ/yyyy-mm-ddThh:mmZ
1765 Note: The minimum XML form of dateTime is yyyy-mm-ddThh:mm:ssZ
1766                 </xsd:documentation>
1767             </xsd:annotation>
1768             <xsd:simpleType>
1769                 <xsd:restriction base="xsd:string">
1770                     <xsd:pattern value="[2][0][0-1][0-9][\-][0-1][0-9][\-][0-3][0-9][T][0-2][0-9][:][0-6][0-9][Z][/][2][0][0-
1771 1][0-9][\-][0-1][0-9][\-][0-3][0-9][T][0-2][0-9][:][0-6][0-9][Z]"/>
1772                 </xsd:restriction>
1773             </xsd:simpleType>
1774         </xsd:attribute>
1775     </xsd:complexType>
1776     <!--
1777     <xsd:complexType name="VersionType">
1778         <xsd:annotation>
1779             <xsd:documentation>
1780                 <UId>ET0002</UId>
1781                 <Definition>A code that distinguishes one evolution of an identified object from another. Information about a
1782 specific object may be sent several times, each transmission being identified by a different version number.</Definition>
1783             </xsd:documentation>
1784         </xsd:annotation>
1785         <xsd:attribute name="v" use="required">
1786             <xsd:simpleType>
1787                 <xsd:restriction base="xsd:integer">
1788                     <xsd:minInclusive value="1"/>
1789                     <xsd:maxInclusive value="999"/>
1790                 </xsd:restriction>
1791             </xsd:simpleType>
1792         </xsd:attribute>
1793     </xsd:complexType>
1794     <!--
1795     <xsd:complexType name="AllocationModeType">
1796         <xsd:annotation>
1797             <xsd:documentation>
1798                 <UId>ET0040</UId>
1799                 <Definition>Identification of the method of allocation in an auction.</Definition>
1800             </xsd:documentation>
1801         </xsd:annotation>
1802         <xsd:attribute name="v" type="ecl:AllocationModeTypeList" use="required"/>
1803     </xsd:complexType>
1804     <!--
1805     <xsd:complexType name="AssetType">
1806         <xsd:annotation>
1807             <xsd:documentation>
1808                 <UId>ET0031</UId>
1809                 <Definition>Identification of the type of asset </Definition>
1810             </xsd:documentation>
1811         </xsd:annotation>
1812         <xsd:attribute name="v" type="ecl:AssetTypeList" use="required"/>
1813     </xsd:complexType>
1814     <!--
1815     <xsd:complexType name="AuctionType">
1816         <xsd:annotation>
1817             <xsd:documentation>
1818                 <UId>ET0030</UId>
1819                 <Definition>The coded representation of different types of auction.</Definition>
1820             </xsd:documentation>
1821         </xsd:annotation>
1822         <xsd:attribute name="v" type="ecl:AuctionTypeList" use="required"/>
1823     </xsd:complexType>
1824     <!--
1825     <xsd:complexType name="BusinessType">
1826         <xsd:annotation>
1827             <xsd:documentation>
1828                 <UId>ET0017</UId>
1829                 <Definition>The exact business nature identifying the principal characteristic of a time series. </Definition>
1830             </xsd:documentation>
1831         </xsd:annotation>
1832         <xsd:attribute name="v" type="ecl:BusinessTypeList" use="required"/>
1833     </xsd:complexType>
1834     <!--
1835     <xsd:complexType name="CategoryType">
1836         <xsd:annotation>
1837             <xsd:documentation>
1838                 <UId>ET0037</UId>
1839                 <Definition>The product category of an auction.</Definition>
1840             </xsd:documentation>
1841         </xsd:annotation>
1842     </xsd:complexType>

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1843         </xsd:annotation>
1844         <xsd:attribute name="v" type="ecl:CategoryTypeList" use="required"/>
1845     </xsd:complexType>
1846     <!--
1847     <xsd:complexType name="ClassificationType">
1848         <xsd:annotation>
1849             <xsd:documentation>
1850                 <UId>ET0013 </UId>
1851                 <Definition>Indicates the classification mechanism used to group a set of objects together. The grouping may
1852 be of a detailed or a summary nature</Definition>
1853             </xsd:documentation>
1854         </xsd:annotation>
1855         <xsd:attribute name="v" type="ecl:ClassificationTypeList" use="required"/>
1856     </xsd:complexType>
1857     <!--
1858     <xsd:complexType name="ContractType">
1859         <xsd:annotation>
1860             <xsd:documentation>
1861                 <UId>ET0010</UId>
1862                 <Definition>The contract type defines the conditions under which the capacity is allocated and handled. EG:
1863 daily auction, weekly auction, monthly auction, yearly auction, etc. The significance of this type is dependent on area
1864 specific coded working methods</Definition>
1865             </xsd:documentation>
1866         </xsd:annotation>
1867         <xsd:attribute name="v" type="ecl:ContractTypeList" use="required"/>
1868     </xsd:complexType>
1869     <!--
1870     <xsd:complexType name="CurrencyType">
1871         <xsd:annotation>
1872             <xsd:documentation>
1873                 <UId>ET0024 </UId>
1874                 <Definition>The coded identification of legal tender using ISO 4217 3 alpha codes</Definition>
1875             </xsd:documentation>
1876         </xsd:annotation>
1877         <xsd:attribute name="v" type="ecl:CurrencyTypeList" use="required"/>
1878     </xsd:complexType>
1879     <!--
1880     <xsd:complexType name="CurveType">
1881         <xsd:annotation>
1882             <xsd:documentation>
1883                 <UId>ET0042</UId>
1884                 <Definition>The type of curve being defined in the time series.</Definition>
1885             </xsd:documentation>
1886         </xsd:annotation>
1887         <xsd:attribute name="v" type="ecl:CurveTypeList" use="required"/>
1888     </xsd:complexType>
1889     <!--
1890     <xsd:complexType name="DirectionType">
1891         <xsd:annotation>
1892             <xsd:documentation>
1893                 <UId>ET0026</UId>
1894                 <Definition>The coded identification of the direction of energy flow. </Definition>
1895             </xsd:documentation>
1896         </xsd:annotation>
1897         <xsd:attribute name="v" type="ecl:DirectionTypeList" use="required"/>
1898     </xsd:complexType>
1899     <!--
1900     <xsd:complexType name="DocumentType">
1901         <xsd:annotation>
1902             <xsd:documentation>
1903                 <UId>ET0045 </UId>
1904                 <Definition>(Synonym "Message Type") The coded type of a document. The document type describes the principal
1905 characteristic of a document</Definition>
1906             </xsd:documentation>
1907         </xsd:annotation>
1908         <xsd:attribute name="v" type="ecl:MessageTypeList" use="required"/>
1909     </xsd:complexType>
1910     <!--
1911     <xsd:complexType name="EicType">
1912         <xsd:annotation>
1913             <xsd:documentation>
1914                 <UId>ET0028</UId>
1915                 <Definition>The coded identification of the type of an EIC code. </Definition>
1916             </xsd:documentation>
1917         </xsd:annotation>
1918         <xsd:attribute name="v" type="ecl:EicTypeList" use="required"/>
1919     </xsd:complexType>
1920     <!--
1921     <xsd:complexType name="EnergyProductType">
1922         <xsd:annotation>
1923             <xsd:documentation>
1924                 <UId>ET0008 </UId>
1925                 <Definition>The identification of the nature of an energy product such as Power, energy, reactive power,
1926 etc.</Definition>
1927             </xsd:documentation>
1928         </xsd:annotation>
1929         <xsd:attribute name="v" type="ecl:EnergyProductTypeList" use="required"/>
1930     </xsd:complexType>
1931     <!--
1932     <xsd:complexType name="IndicatorType">
1933         <xsd:annotation>
1934             <xsd:documentation>
1935                 <UId>ET0029</UId>
1936                 <Definition>A boolean indicator to express Yes or No or True or False</Definition>.</xsd:documentation>
1937             </xsd:annotation>
1938         </xsd:annotation>

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1939     <xsd:attribute name="v" type="ecl:IndicatorTypeList" use="required"/>
1940 </xsd:complexType>
1941 <!--
1942 <xsd:complexType name="MessageType">
1943     <xsd:annotation>
1944         <xsd:documentation>
1945             <UId>ET0003 </UId>
1946             <Definition> (Synonym "Document Type") The coded type of a document. The document type describes the principal
1947 characteristic of a document. note this code is decrecated and should no longer be used in new messages (use documentType
1948 instead)</Definition>
1949         </xsd:documentation>
1950     </xsd:annotation>
1951     <xsd:attribute name="v" type="ecl:MessageTypeList" use="required"/>
1952 </xsd:complexType>
1953 <!--
1954 <xsd:complexType name="ObjectAggregationType">
1955     <xsd:annotation>
1956         <xsd:documentation>
1957             <UId>ET0018</UId>
1958             <Definition>The identification of the domain that is the common dominator used to aggregate a time
1959 series.</Definition>
1960         </xsd:documentation>
1961     </xsd:annotation>
1962     <xsd:attribute name="v" type="ecl:ObjectAggregationTypeList" use="required"/>
1963 </xsd:complexType>
1964 <!--
1965 <xsd:complexType name="PaymentTermsType">
1966     <xsd:annotation>
1967         <xsd:documentation>
1968             <UId>ET0041</UId>
1969             <Definition>The terms which dictate the determination of the bid payment price.</Definition>
1970         </xsd:documentation>
1971     </xsd:annotation>
1972     <xsd:attribute name="v" type="ecl:PaymentTermsTypeList" use="required"/>
1973 </xsd:complexType>
1974 <!--
1975 <xsd:complexType name="PriceCategory">
1976     <xsd:annotation>
1977         <xsd:documentation>
1978             <UId>ET0048</UId>
1979             <Definition>The category of a price to be used in a price calculation. Note: the price category is mutually
1980 agreed between System Operators</Definition>
1981         </xsd:documentation>
1982     </xsd:annotation>
1983     <xsd:attribute name="v" type="ecl:PriceCategoryTypeList" use="required"/>
1984 </xsd:complexType>
1985 <!--
1986 <xsd:complexType name="PriceDirection">
1987     <xsd:annotation>
1988         <xsd:documentation>
1989             <UId>ET0049</UId>
1990             <Definition>The nature of a price (i.e.an Impacted Area System Operator pays to internal Market Parties or
1991 inverse).</Definition>
1992         </xsd:documentation>
1993     </xsd:annotation>
1994     <xsd:attribute name="v" type="ecl:PriceDirectionTypeList" use="required"/>
1995 </xsd:complexType>
1996 <!--
1997 <xsd:complexType name="ProcessType">
1998     <xsd:annotation>
1999         <xsd:documentation>
2000             <UId>ET0020</UId>
2001             <Definition>Indicates the nature of process that the document addresses.</Definition>
2002         </xsd:documentation>
2003     </xsd:annotation>
2004     <xsd:attribute name="v" type="ecl:ProcessTypeList" use="required"/>
2005 </xsd:complexType>
2006 <!--
2007 <xsd:complexType name="QualityType">
2008     <xsd:annotation>
2009         <xsd:documentation>
2010             <UId>ET0036</UId>
2011             <Definition>The quality of an object.</Definition>
2012         </xsd:documentation>
2013     </xsd:annotation>
2014     <xsd:attribute name="v" type="ecl:QualityTypeList" use="required"/>
2015 </xsd:complexType>
2016 <!--
2017 <xsd:complexType name="ReasonCodeType">
2018     <xsd:annotation>
2019         <xsd:documentation>
2020             <UId>ET0015 </UId>
2021             <Definition>The coded motivation of an act.</Definition>>
2022         </xsd:documentation>
2023     </xsd:annotation>
2024     <xsd:attribute name="v" type="ecl:ReasonCodeTypeList" use="required"/>
2025 </xsd:complexType>
2026 <!--
2027 <xsd:complexType name="RightsType">
2028     <xsd:annotation>
2029         <xsd:documentation>
2030             <UId>ET0038</UId>
2031             <Definition>The rights of use that is accorded to what is acquired in an auction..</Definition>>
2032         </xsd:documentation>
2033     </xsd:annotation>
2034     <xsd:attribute name="v" type="ecl:RightsTypeList" use="required"/>

```

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2035     </xsd:complexType>
2036     <!-- _____ -->
2037     <xsd:complexType name="RoleType">
2038       <xsd:annotation>
2039         <xsd:documentation>
2040           <Uid>ET0005</Uid>
2041           <Definition>Identification of the role played by a party. </Definition>
2042         </xsd:documentation>
2043       </xsd:annotation>
2044       <xsd:attribute name="v" type="ecl:RoleTypeList" use="required"/>
2045     </xsd:complexType>
2046     <!-- _____ -->
2047     <xsd:complexType name="TarifTypeType">
2048       <xsd:annotation>
2049         <xsd:documentation>
2050           <Uid>ET0039</Uid>
2051           <Definition>The standard tarif types as defined in the UCTE policies.</Definition>
2052         </xsd:documentation>
2053       </xsd:annotation>
2054       <xsd:attribute name="v" type="ecl:TarifTypeTypeList" use="required"/>
2055     </xsd:complexType>
2056     <!-- _____ -->
2057     <xsd:complexType name="StatusType">
2058       <xsd:annotation>
2059         <xsd:documentation>
2060           <Uid>ET0025</Uid>
2061           <Definition>The condition or position of an object with regard to its standing.</Definition>
2062         </xsd:documentation>
2063       </xsd:annotation>
2064       <xsd:attribute name="v" type="ecl:StatusTypeList" use="required"/>
2065     </xsd:complexType>
2066     <!-- _____ -->
2067     <xsd:complexType name="UnitOfMeasureType">
2068       <xsd:annotation>
2069         <xsd:documentation>
2070           <Uid>ET0011</Uid>
2071           <Definition>(synonym MeasurementUnit) The unit of measure that is applied to a quantity. The measurement units
2072 shall be in compliance with UN/ECE Recommendation 20.</Definition>
2073         </xsd:documentation>
2074       </xsd:annotation>
2075       <xsd:attribute name="v" type="ecl:UnitOfMeasureTypeList" use="required"/>
2076     </xsd:complexType>
2077     <!-- _____ -->
2078     <!-- _____ -->
2079 </xsd:schema>

```

7.1.3 CODELIST

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2082 <?xml version="1.0" encoding="UTF-8"?>
2083 <xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:ecc="etso-code-lists.xsd" targetNamespace="etso-code-
2084 lists.xsd" elementFormDefault="qualified" attributeFormDefault="unqualified">
2085   <!-- _____ -->
2086   <!-- ENTSO-E CODE LISTS _____ -->
2087   <!-- _____ -->
2088   <xsd:annotation>
2089     <xsd:documentation>
2090       <Titre> Complete compilation of ENTSO-E Code Lists used by ENTSO-E XML Messages </Titre>
2091       <Version>Current Version: 21</Version>
2092       <Release>Current Release: 0</Release>
2093       <ReleaseDate>2012-05-24</ReleaseDate>
2094       <ModificationHistory>
2095         <Date v="2009-11-19">
2096           <Changes code="AuctionTypeList">Added A05</Changes>
2097           <Changes code="BusinessTypeList">Added A62, A63, A64, A65, A66, A67, A68</Changes>
2098           <Changes code="CategoryTypeList">Added A01, A02, A03, A04</Changes>
2099           <Changes code="MessageTypeList">Restored A33, A34, A35; Added A44, A45, A46, A47, A48, A49 A50</Changes>
2100           <Changes code="ObjectAggregationTypeList">Added A05</Changes>
2101           <Changes code="ProcessTypeList">Added A29, A21, A22, A23, A24, A25</Changes>
2102           <Changes code="QualityTypeList">Added A01, A02, A03, A04</Changes>
2103           <Changes code="ReasonCodeTypeList">Added A99, B01, B02, B03, B04, B05</Changes>
2104           <Changes code="RoleTypeList">Added A36</Changes>
2105           <Changes code="StatusTypeList">Added A12</Changes>
2106           <Changes code="TarifTypeList">Added A01, A02, A03, A04, A05, A06, A07</Changes>
2107         </Date>
2108         <Date v="2010-01-14">
2109           <Changes code="AllocationModeTypeList">Added A01, A02, A03, A04</Changes>
2110           <Changes code="ContractTypeList">Added A10</Changes>
2111           <Changes code="CurrencyTypeList">Added TRY</Changes>
2112           <Changes code="CurveTypeList">Added A01, A02, A03, A05</Changes>
2113           <Changes code="MessageTypeList">Added A51</Changes>
2114           <Changes code="ObjectAggregationTypeList">Added A06, A07</Changes>
2115           <Changes code="PaymentTermsTypeList">Added A01, A02, A03</Changes>
2116           <Changes code="RightsTypeList">Added A01, A02, A03, A04, A05, A06</Changes>
2117         </Date>
2118         <Date v="2010-05-19">
2119           <Changes code="EnergyProductTypeList">Added 8716867009911</Changes>
2120         </Date>
2121         <Date v="2010-06-21">
2122           <Changes code="MessageTypeList">Added A52</Changes>
2123           <Changes code="BusinessTypeList">Added A69</Changes>

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2124         <Changes code="ReasonCodeTypeList">Modified description A28</Changes>
2125     </Date>
2126     <Date v="2010-10-11">
2127         <Changes code="ContractTypeList"> Added A11</Changes>
2128         <Changes code="MessageTypeList">Added A53, A54</Changes>
2129         <Changes code="ProcessTypeList">Added A26</Changes>
2130     </Date>
2131     <Date v="2010-12-13">
2132         <Changes code="ContractTypeList"> Added A12</Changes>
2133         <Changes code="BusinessTypeList">Added A70, A71, A72,A73,A74,A75</Changes>
2134         <Changes code="MessageTypeList">Added A55, A56, A57, A58</Changes>
2135         <Changes code="ReasonCodeTypeList">B06</Changes>
2136         <Changes code="RoleTypeList">A37, A38</Changes>
2137         <Changes code="EicTypeList">V</Changes>
2138     </Date>
2139     <Date v="2010-12-28">
2140         <Changes code="ContractTypeList">Corrected description A12</Changes>
2141     </Date>
2142     <Date v="2011-02-21">
2143         <Changes code="BusinessTypeList">Added A76</Changes>
2144     </Date>
2145     <Date v="2011-04-15">
2146         <Changes code="BusinessTypeList">Added A77, A78, A79, A80</Changes>
2147         <Changes code="ReasonCodeList">Added B07, B08</Changes>
2148     </Date>
2149     <Date v="2011-05-02">
2150         <Changes code="MessageType">Added A59, A60</Changes>
2151     </Date>
2152     <Date v="2011-05-23">
2153         <Changes code="codingScheme">Added NNN</Changes>
2154         <Changes code="BusinessType">Added A81, A82, A83, A84</Changes>
2155         <Changes code="ReasonCode">Added B09</Changes>
2156         <Changes code="MessageType">Added A62</Changes>
2157     </Date>
2158     <Date v="2011-05-27">
2159         <Changes code="BusinessType">Added A85</Changes>
2160     </Date>
2161     <Date v="2011-09-07">
2162         <Changes code="PriceDirection">Added A01, A02</Changes>
2163     </Date>
2164     <Date v="2011-10-01">
2165         <Changes code="PriceCategory">Added A01, A02, A03</Changes>
2166         <Changes code="BusinessType">Added A86, A87</Changes>
2167         <Changes code="MessageType">Added A63, A64</Changes>
2168         <Changes code="reasonCodeType">Added B10, B11, B12</Changes>
2169     </Date>
2170     <Date v="2012-04-16">
2171         <Changes code="BusinessType">Added A88</Changes>
2172         <Changes code="reasonCodeType">Added B13, B14, B15</Changes>
2173     </Date>
2174     <Date v="2012-05-24">
2175         <Changes code="MessageType">Added A65</Changes>
2176     </Date>
2177 </ModificationHistory>
2178 </xsd:documentation>
2179 </xsd:annotation>
2180 <!-- AllocationModeTypeList -->
2181 <xsd:simpleType name="AllocationModeTypeList">
2182     <xsd:annotation>
2183         <xsd:documentation>
2184             <UId>ET0040</UId>
2185             <Definition>Identification of the method of allocation in an auction.</Definition>
2186         </xsd:documentation>
2187     </xsd:annotation>
2188     <xsd:restriction base="xsd:NMTOKEN">
2189         <xsd:enumeration value="A01">
2190             <xsd:annotation>
2191                 <xsd:documentation>
2192                     <CodeDescription>
2193                         <Title>Order by price with pro rata</Title>
2194                         <Definition>The allocation method is by price with eventual pro rata.</Definition>
2195                     </CodeDescription>
2196                 </xsd:documentation>
2197             </xsd:annotation>
2198         </xsd:enumeration>
2199         <xsd:enumeration value="A02">
2200             <xsd:annotation>
2201                 <xsd:documentation>
2202                     <CodeDescription>
2203                         <Title>Order by price with first come - first served</Title>
2204                         <Definition>The allocation method is by price with eventual use of first come first
2205 served</Definition>
2206                     </CodeDescription>
2207                 </xsd:documentation>
2208             </xsd:annotation>
2209         </xsd:enumeration>
2210         <xsd:enumeration value="A03">
2211             <xsd:annotation>
2212                 <xsd:documentation>
2213                     <CodeDescription>
2214                         <Title>First come - First served</Title>
2215                         <Definition>The allocation method is first come first served</Definition>
2216                     </CodeDescription>
2217                 </xsd:documentation>
2218             </xsd:annotation>
2219         </xsd:enumeration>
2220     </xsd:simpleType>

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2220         <xsd:enumeration value="A04">
2221             <xsd:annotation>
2222                 <xsd:documentation>
2223                     <CodeDescription>
2224                         <Title>Pro rata</Title>
2225                         <Definition>The allocation method is Pro rata</Definition>
2226                     </CodeDescription>
2227                 </xsd:documentation>
2228             </xsd:annotation>
2229         </xsd:enumeration>
2230     </xsd:restriction>
2231 </xsd:simpleType>
2232 <!-- AssetTypeList -->
2233 <xsd:simpleType name="AssetTypeList">
2234     <xsd:annotation>
2235         <xsd:documentation>
2236             <Uid>ET0031</Uid>
2237             <Definition>Identification of the type of asset.</Definition>
2238         </xsd:documentation>
2239     </xsd:annotation>
2240     <xsd:restriction base="xsd:NMTOKEN">
2241         <xsd:enumeration value="A01">
2242             <xsd:annotation>
2243                 <xsd:documentation>
2244                     <CodeDescription>
2245                         <Title>Tieline</Title>
2246                         <Definition>A high voltage line used for cross border energy interconnections</Definition>
2247                     </CodeDescription>
2248                 </xsd:documentation>
2249             </xsd:annotation>
2250         </xsd:enumeration>
2251         <xsd:enumeration value="A02">
2252             <xsd:annotation>
2253                 <xsd:documentation>
2254                     <CodeDescription>
2255                         <Title>Line</Title>
2256                         <Definition>A specific electric line within a country</Definition>
2257                     </CodeDescription>
2258                 </xsd:documentation>
2259             </xsd:annotation>
2260         </xsd:enumeration>
2261         <xsd:enumeration value="A03">
2262             <xsd:annotation>
2263                 <xsd:documentation>
2264                     <CodeDescription>
2265                         <Title>Resource Object</Title>
2266                         <Definition>A resource that can either produce or consume energy</Definition>
2267                     </CodeDescription>
2268                 </xsd:documentation>
2269             </xsd:annotation>
2270         </xsd:enumeration>
2271     </xsd:restriction>
2272 </xsd:simpleType>
2273 <!-- AuctionTypeList -->
2274 <xsd:simpleType name="AuctionTypeList">
2275     <xsd:annotation>
2276         <xsd:documentation>
2277             <Uid>ET0030</Uid>
2278             <Definition>The coded representation of different types of auction.</Definition>
2279         </xsd:documentation>
2280     </xsd:annotation>
2281     <xsd:restriction base="xsd:NMTOKEN">
2282         <xsd:enumeration value="A01">
2283             <xsd:annotation>
2284                 <xsd:documentation>
2285                     <CodeDescription>
2286                         <Title>Implicit</Title>
2287                         <Definition>The auction is an implicit auction</Definition>
2288                     </CodeDescription>
2289                 </xsd:documentation>
2290             </xsd:annotation>
2291         </xsd:enumeration>
2292         <xsd:enumeration value="A02">
2293             <xsd:annotation>
2294                 <xsd:documentation>
2295                     <CodeDescription>
2296                         <Title>Explicit</Title>
2297                         <Definition>The auction is an explicit auction</Definition>
2298                     </CodeDescription>
2299                 </xsd:documentation>
2300             </xsd:annotation>
2301         </xsd:enumeration>
2302         <xsd:enumeration value="A03">
2303             <xsd:annotation>
2304                 <xsd:documentation>
2305                     <CodeDescription>
2306                         <Title>Rule Based</Title>
2307                         <Definition>The auction is a rule based auction</Definition>
2308                     </CodeDescription>
2309                 </xsd:documentation>
2310             </xsd:annotation>
2311         </xsd:enumeration>
2312         <xsd:enumeration value="A04">
2313             <xsd:annotation>
2314                 <xsd:documentation>
2315                     <CodeDescription>

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2316             <Title>Mixed</Title>
2317             <Definition>The auction is partially implicit and partially explicit</Definition>
2318         </CodeDescription>
2319     </xsd:documentation>
2320 </xsd:annotation>
2321 </xsd:enumeration>
2322 <xsd:enumeration value="A05">
2323     <xsd:annotation>
2324         <xsd:documentation>
2325             <CodeDescription>
2326                 <Title>Explicit/split</Title>
2327                 <Definition>The auction concerns two explicit auctions on a split border</Definition>
2328             </CodeDescription>
2329         </xsd:documentation>
2330     </xsd:annotation>
2331 </xsd:enumeration>
2332 </xsd:restriction>
2333 </xsd:simpleType>
2334 <!-- BusinessTypeList -->
2335 <xsd:simpleType name="BusinessTypeList">
2336     <xsd:annotation>
2337         <xsd:documentation>
2338             <UId>ET0017</UId>
2339             <Definition>The exact business nature identifying the principal characteristic of a time series. </Definition>
2340         </xsd:documentation>
2341     </xsd:annotation>
2342     <xsd:restriction base="xsd:NMTOKEN">
2343         <xsd:enumeration value="A01">
2344             <xsd:annotation>
2345                 <xsd:documentation>
2346                     <CodeDescription>
2347                         <Title>Production</Title>
2348                         <Definition>The nature of the business being described is production details</Definition>
2349                     </CodeDescription>
2350                 </xsd:documentation>
2351             </xsd:annotation>
2352 </xsd:enumeration>
2353 <xsd:enumeration value="A02">
2354             <xsd:annotation>
2355                 <xsd:documentation>
2356                     <CodeDescription>
2357                         <Title>Internal trade</Title>
2358                         <Definition>The nature of the business being described is internal trade details.</Definition>
2359                     </CodeDescription>
2360                 </xsd:documentation>
2361             </xsd:annotation>
2362 </xsd:enumeration>
2363 <xsd:enumeration value="A03">
2364             <xsd:annotation>
2365                 <xsd:documentation>
2366                     <CodeDescription>
2367                         <Title>External trade explicit capacity</Title>
2368                         <Definition>The nature of the business being described is external trade details between two areas
2369 with limited capacity requiring a capacity agreement identification.</Definition>
2370                     </CodeDescription>
2371                 </xsd:documentation>
2372             </xsd:annotation>
2373 </xsd:enumeration>
2374 <xsd:enumeration value="A04">
2375             <xsd:annotation>
2376                 <xsd:documentation>
2377                     <CodeDescription>
2378                         <Title>Consumption</Title>
2379                         <Definition>The nature of the business being described is consumption details.</Definition>
2380                     </CodeDescription>
2381                 </xsd:documentation>
2382             </xsd:annotation>
2383 </xsd:enumeration>
2384 <xsd:enumeration value="A05">
2385             <xsd:annotation>
2386                 <xsd:documentation>
2387                     <CodeDescription>
2388                         <Title>External trade total</Title>
2389                         <Definition>The nature of the business being described is external trade total.Note: This code has
2390 been deprecated and the code A06 in conjunction with the adequate Object Aggregation code should be used instead. In a future
2391 release the code will be deleted.</Definition>
2392                     </CodeDescription>
2393                 </xsd:documentation>
2394             </xsd:annotation>
2395 </xsd:enumeration>
2396 <xsd:enumeration value="A06">
2397             <xsd:annotation>
2398                 <xsd:documentation>
2399                     <CodeDescription>
2400                         <Title>External trade without explicit capacity</Title>
2401                         <Definition>The nature of the business being described is external trade details between two areas
2402 without requiring capacity allocation informaiton.</Definition>
2403                     </CodeDescription>
2404                 </xsd:documentation>
2405             </xsd:annotation>
2406 </xsd:enumeration>
2407 <xsd:enumeration value="A07">
2408             <xsd:annotation>
2409                 <xsd:documentation>
2410                     <CodeDescription>
2411                         <Title>Net Production / Consumption</Title>

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2412         <Definition>Net production/consumption - where signed values will be used. With the following
2413 rules: In area=Out area, In party=Out party, + means production and - means consumption..</Definition>
2414     </CodeDescription>
2415     </xsd:documentation>
2416 </xsd:annotation>
2417 </xsd:enumeration>
2418 <xsd:enumeration value="A08">
2419     <xsd:annotation>
2420         <xsd:documentation>
2421             <CodeDescription>
2422                 <Title>Net internal trade</Title>
2423                 <Definition>Net internal trade - where the direction from out party (seller) to in party (buyer)
2424 is positive and the opposite direction is negative (with minus signs).</Definition>
2425             </CodeDescription>
2426         </xsd:documentation>
2427     </xsd:annotation>
2428 </xsd:enumeration>
2429 <xsd:enumeration value="A09">
2430     <xsd:annotation>
2431         <xsd:documentation>
2432             <CodeDescription>
2433                 <Title>IPP (Independent Power Producer)</Title>
2434                 <Definition>A time series concerning the production schedule from an IPP.</Definition>
2435             </CodeDescription>
2436         </xsd:documentation>
2437     </xsd:annotation>
2438 </xsd:enumeration>
2439 <xsd:enumeration value="A10">
2440     <xsd:annotation>
2441         <xsd:documentation>
2442             <CodeDescription>
2443                 <Title>Tertiary control </Title>
2444                 <Definition>A time series concerning tertiary reserve requirements.</Definition>
2445             </CodeDescription>
2446         </xsd:documentation>
2447     </xsd:annotation>
2448 </xsd:enumeration>
2449 <xsd:enumeration value="A11">
2450     <xsd:annotation>
2451         <xsd:documentation>
2452             <CodeDescription>
2453                 <Title>Primary control</Title>
2454                 <Definition>A time series concerning primary reserve requirements.</Definition>
2455             </CodeDescription>
2456         </xsd:documentation>
2457     </xsd:annotation>
2458 </xsd:enumeration>
2459 <xsd:enumeration value="A12">
2460     <xsd:annotation>
2461         <xsd:documentation>
2462             <CodeDescription>
2463                 <Title>Secondary control</Title>
2464                 <Definition>A time series concerning secondary reserve requirements.</Definition>
2465             </CodeDescription>
2466         </xsd:documentation>
2467     </xsd:annotation>
2468 </xsd:enumeration>
2469 <xsd:enumeration value="A13">
2470     <xsd:annotation>
2471         <xsd:documentation>
2472             <CodeDescription>
2473                 <Title>Load profile</Title>
2474                 <Definition>A time series concerning a load profile as calculated by a Metered data
2475 aggregator.</Definition>
2476             </CodeDescription>
2477         </xsd:documentation>
2478     </xsd:annotation>
2479 </xsd:enumeration>
2480 <xsd:enumeration value="A14">
2481     <xsd:annotation>
2482         <xsd:documentation>
2483             <CodeDescription>
2484                 <Title>Aggregated energy data</Title>
2485                 <Definition>A time series concerning adjusted metered readings received from a metered data
2486 collector and aggregated and validated by a metered data aggregator.</Definition>
2487             </CodeDescription>
2488         </xsd:documentation>
2489     </xsd:annotation>
2490 </xsd:enumeration>
2491 <xsd:enumeration value="A15">
2492     <xsd:annotation>
2493         <xsd:documentation>
2494             <CodeDescription>
2495                 <Title>Losses</Title>
2496                 <Definition>A time series concerning losses that have been calculated for a tieline or an
2497 area.</Definition>
2498             </CodeDescription>
2499         </xsd:documentation>
2500     </xsd:annotation>
2501 </xsd:enumeration>
2502 <xsd:enumeration value="A16">
2503     <xsd:annotation>
2504         <xsd:documentation>
2505             <CodeDescription>
2506                 <Title>Transits (CBT)</Title>
2507                 <Definition>A time series concerning inter area transit flows determined for CBT

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2508 requirements.</Definition>
2509         </CodeDescription>
2510     </xsd:documentation>
2511 </xsd:annotation>
2512 </xsd:enumeration>
2513 <xsd:enumeration value="A17">
2514     <xsd:annotation>
2515         <xsd:documentation>
2516             <CodeDescription>
2517                 <Title>Settlement deviation</Title>
2518                 <Definition>A time series concerning the imbalance energy calculated by an imbalance settlement
2519 responsible.</Definition>
2520             </CodeDescription>
2521         </xsd:documentation>
2522     </xsd:annotation>
2523 </xsd:enumeration>
2524 <xsd:enumeration value="A18">
2525     <xsd:annotation>
2526         <xsd:documentation>
2527             <CodeDescription>
2528                 <Title>Technical constraint deviation</Title>
2529                 <Definition>A time series defining the imbalance between schedules accepted by the system operator
2530 due to technical constraints and schedules declared by the balance responsible party.</Definition>
2531             </CodeDescription>
2532         </xsd:documentation>
2533     </xsd:annotation>
2534 </xsd:enumeration>
2535 <xsd:enumeration value="A19">
2536     <xsd:annotation>
2537         <xsd:documentation>
2538             <CodeDescription>
2539                 <Title>Balance energy deviation</Title>
2540                 <Definition>A time series defining the imbalance between the schedule of a balance responsible
2541 party that has been corrected by the system operator after using balance energy bids and the schedule that was accepted by
2542 the system operator due to technical constraints</Definition>
2543             </CodeDescription>
2544         </xsd:documentation>
2545     </xsd:annotation>
2546 </xsd:enumeration>
2547 <xsd:enumeration value="A20">
2548     <xsd:annotation>
2549         <xsd:documentation>
2550             <CodeDescription>
2551                 <Title>Imbalance volume</Title>
2552                 <Definition>A time series defining the imbalance between the actual meter readings and the
2553 schedule of the balance responsible party corrected by the system operator after using balance energy bids.</Definition>
2554             </CodeDescription>
2555         </xsd:documentation>
2556     </xsd:annotation>
2557 </xsd:enumeration>
2558 <xsd:enumeration value="A21">
2559     <xsd:annotation>
2560         <xsd:documentation>
2561             <CodeDescription>
2562                 <Title>Inadvertant deviation</Title>
2563                 <Definition>A time series concerning tieline deviation.</Definition>
2564             </CodeDescription>
2565         </xsd:documentation>
2566     </xsd:annotation>
2567 </xsd:enumeration>
2568 <xsd:enumeration value="A22">
2569     <xsd:annotation>
2570         <xsd:documentation>
2571             <CodeDescription>
2572                 <Title>Frequency control</Title>
2573                 <Definition>A time series concerning primary and secondary reserve (See ETSO TF Balance Management
2574 definition).</Definition>
2575             </CodeDescription>
2576         </xsd:documentation>
2577     </xsd:annotation>
2578 </xsd:enumeration>
2579 <xsd:enumeration value="A23">
2580     <xsd:annotation>
2581         <xsd:documentation>
2582             <CodeDescription>
2583                 <Title>Balance management</Title>
2584                 <Definition>A time series concerning energy balancing services (See ETSO TF Balance Management
2585 definition).</Definition>
2586             </CodeDescription>
2587         </xsd:documentation>
2588     </xsd:annotation>
2589 </xsd:enumeration>
2590 <xsd:enumeration value="A24">
2591     <xsd:annotation>
2592         <xsd:documentation>
2593             <CodeDescription>
2594                 <Title>Total trade</Title>
2595                 <Definition>A time series concerning the total of both the internal and external
2596 trades.</Definition>
2597             </CodeDescription>
2598         </xsd:documentation>
2599     </xsd:annotation>
2600 </xsd:enumeration>
2601 <xsd:enumeration value="A25">
2602     <xsd:annotation>
2603         <xsd:documentation>

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2604         <CodeDescription>
2605             <Title>General Capacity Information</Title>
2606             <Definition>A time series providing the total capacity available on a TSO border.</Definition>
2607         </CodeDescription>
2608     </xsd:documentation>
2609 </xsd:annotation>
2610 </xsd:enumeration>
2611 <xsd:enumeration value="A26">
2612     <xsd:annotation>
2613         <xsd:documentation>
2614             <CodeDescription>
2615                 <Title>Available transfer capacity (ATC)</Title>
2616                 <Definition>Available transfer capacity as defined in the ETSO document "Definitions of Transfer
2617 Capacities in liberalised Electricity Markets" April 2001.</Definition>
2618             </CodeDescription>
2619         </xsd:documentation>
2620     </xsd:annotation>
2621 </xsd:enumeration>
2622 <xsd:enumeration value="A27">
2623     <xsd:annotation>
2624         <xsd:documentation>
2625             <CodeDescription>
2626                 <Title>Net transfer capacity (NTC)</Title>
2627                 <Definition>Net transfer capacity as defined in the ETSO document "Definitions of Transfer
2628 Capacities in liberalised Electricity Markets" April 2001.</Definition>
2629             </CodeDescription>
2630         </xsd:documentation>
2631     </xsd:annotation>
2632 </xsd:enumeration>
2633 <xsd:enumeration value="A28">
2634     <xsd:annotation>
2635         <xsd:documentation>
2636             <CodeDescription>
2637                 <Title>Control Area Program</Title>
2638                 <Definition>A time series providing the total exchanges between two TSOs (including the
2639 commercial transactions, the compensation program and the losses compensation program). (note this definition might change
2640 when UCTE brings forward its coding requirements).</Definition>
2641             </CodeDescription>
2642         </xsd:documentation>
2643     </xsd:annotation>
2644 </xsd:enumeration>
2645 <xsd:enumeration value="A29">
2646     <xsd:annotation>
2647         <xsd:documentation>
2648             <CodeDescription>
2649                 <Title>Already allocated capacity (AAC)</Title>
2650                 <Definition>Already Allocated Capacity as defined in the ETSO document "Definitions of Transfer
2651 Capacities in liberalised Electricity Markets" April 2001.</Definition>
2652             </CodeDescription>
2653         </xsd:documentation>
2654     </xsd:annotation>
2655 </xsd:enumeration>
2656 <xsd:enumeration value="A30">
2657     <xsd:annotation>
2658         <xsd:documentation>
2659             <CodeDescription>
2660                 <Title>Internal inter area trade</Title>
2661                 <Definition>A trade that occurs between internal areas within a market balance area </Definition>
2662             </CodeDescription>
2663         </xsd:documentation>
2664     </xsd:annotation>
2665 </xsd:enumeration>
2666 <xsd:enumeration value="A31">
2667     <xsd:annotation>
2668         <xsd:documentation>
2669             <CodeDescription>
2670                 <Title>Offered Capacity</Title>
2671                 <Definition>The time series provides the offered capacity </Definition>
2672             </CodeDescription>
2673         </xsd:documentation>
2674     </xsd:annotation>
2675 </xsd:enumeration>
2676 <xsd:enumeration value="A32">
2677     <xsd:annotation>
2678         <xsd:documentation>
2679             <CodeDescription>
2680                 <Title>Capacity transfer notification</Title>
2681                 <Definition>The time series provides information concerning the notification of the transfer of
2682 capacity to another market participant</Definition>
2683             </CodeDescription>
2684         </xsd:documentation>
2685     </xsd:annotation>
2686 </xsd:enumeration>
2687 <xsd:enumeration value="A33">
2688     <xsd:annotation>
2689         <xsd:documentation>
2690             <CodeDescription>
2691                 <Title>Authorised AAC</Title>
2692                 <Definition>The time series in question provides the amount of transmission capacity rights to be
2693 nominated </Definition>
2694             </CodeDescription>
2695         </xsd:documentation>
2696     </xsd:annotation>
2697 </xsd:enumeration>
2698 <xsd:enumeration value="A34">
2699     <xsd:annotation>

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2700         <xsd:documentation>
2701             <CodeDescription>
2702                 <Title>Capacity rights</Title>
2703                 <Definition>The time series in question provides the capacity rights allocated for a given
2704 border</Definition>
2705             </CodeDescription>
2706         </xsd:documentation>
2707     </xsd:annotation>
2708 </xsd:enumeration>
2709 <xsd:enumeration value="A35">
2710     <xsd:annotation>
2711         <xsd:documentation>
2712             <CodeDescription>
2713                 <Title>Minimum authorised AAC</Title>
2714                 <Definition>The time series in question provides the minimum amount of transmission capacity
2715 rights to be nominated</Definition>
2716             </CodeDescription>
2717         </xsd:documentation>
2718     </xsd:annotation>
2719 </xsd:enumeration>
2720 <xsd:enumeration value="A36">
2721     <xsd:annotation>
2722         <xsd:documentation>
2723             <CodeDescription>
2724                 <Title>Maximum authorised AAC</Title>
2725                 <Definition>The time series in question provides the maximum amount of transmission capacity
2726 rights to be nominated</Definition>
2727             </CodeDescription>
2728         </xsd:documentation>
2729     </xsd:annotation>
2730 </xsd:enumeration>
2731 <xsd:enumeration value="A37">
2732     <xsd:annotation>
2733         <xsd:documentation>
2734             <CodeDescription>
2735                 <Title>Installed generation</Title>
2736                 <Definition>The time series in question provides the installed generation</Definition>
2737             </CodeDescription>
2738         </xsd:documentation>
2739     </xsd:annotation>
2740 </xsd:enumeration>
2741 <xsd:enumeration value="A38">
2742     <xsd:annotation>
2743         <xsd:documentation>
2744             <CodeDescription>
2745                 <Title>Available generation</Title>
2746                 <Definition>The time series in question provides the available generation</Definition>
2747             </CodeDescription>
2748         </xsd:documentation>
2749     </xsd:annotation>
2750 </xsd:enumeration>
2751 <xsd:enumeration value="A40">
2752     <xsd:annotation>
2753         <xsd:documentation>
2754             <CodeDescription>
2755                 <Title>Interconnection Trade Responsible Designation</Title>
2756                 <Definition>The Time series in question provides the designation of the ITR that may nominate the
2757 capacity in question</Definition>
2758             </CodeDescription>
2759         </xsd:documentation>
2760     </xsd:annotation>
2761 </xsd:enumeration>
2762 <xsd:enumeration value="A41">
2763     <xsd:annotation>
2764         <xsd:documentation>
2765             <CodeDescription>
2766                 <Title>Released AAC</Title>
2767                 <Definition>The already allocated capacity (AAC) that has been released for resale</Definition>
2768             </CodeDescription>
2769         </xsd:documentation>
2770     </xsd:annotation>
2771 </xsd:enumeration>
2772 <xsd:enumeration value="A42">
2773     <xsd:annotation>
2774         <xsd:documentation>
2775             <CodeDescription>
2776                 <Title>Requested capacity (with price)</Title>
2777                 <Definition>The time series in question provides information concerning the requested capacity
2778 including price information</Definition>
2779             </CodeDescription>
2780         </xsd:documentation>
2781     </xsd:annotation>
2782 </xsd:enumeration>
2783 <xsd:enumeration value="A43">
2784     <xsd:annotation>
2785         <xsd:documentation>
2786             <CodeDescription>
2787                 <Title>Requested capacity (without price)</Title>
2788                 <Definition>The time series in question provides information concerning the requested capacity but
2789 excludes price information</Definition>
2790             </CodeDescription>
2791         </xsd:documentation>
2792     </xsd:annotation>
2793 </xsd:enumeration>
2794 <xsd:enumeration value="A44">
2795     <xsd:annotation>

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2796         <xsd:documentation>
2797             <CodeDescription>
2798                 <Title>Compensation program</Title>
2799                 <Definition>Compensation of UNINTENTIONAL DEVIATIONS is performed by exporting to / importing from
2800 the interconnected system during the compensation period by means of schedules as calculated during the accounting of
2801 unintentional deviations</Definition>
2802             </CodeDescription>
2803         </xsd:documentation>
2804     </xsd:annotation>
2805 </xsd:enumeration>
2806 <xsd:enumeration value="A45">
2807     <xsd:annotation>
2808         <xsd:documentation>
2809             <CodeDescription>
2810                 <Title>Schedule activated reserves</Title>
2811                 <Definition>The cross border or internal reserves that are to be activated through schedule
2812 nomination</Definition>
2813             </CodeDescription>
2814         </xsd:documentation>
2815     </xsd:annotation>
2816 </xsd:enumeration>
2817 <xsd:enumeration value="A46">
2818     <xsd:annotation>
2819         <xsd:documentation>
2820             <CodeDescription>
2821                 <Title>System Operator redispatching</Title>
2822                 <Definition>The cross border redispatching between System Operators that are to be activated
2823 through schedule nomination</Definition>
2824             </CodeDescription>
2825         </xsd:documentation>
2826     </xsd:annotation>
2827 </xsd:enumeration>
2828 <xsd:enumeration value="A47">
2829     <xsd:annotation>
2830         <xsd:documentation>
2831             <CodeDescription>
2832                 <Title>Market capacity price</Title>
2833                 <Definition>The price of the capacity offered on a given market</Definition>
2834             </CodeDescription>
2835         </xsd:documentation>
2836     </xsd:annotation>
2837 </xsd:enumeration>
2838 <xsd:enumeration value="A48">
2839     <xsd:annotation>
2840         <xsd:documentation>
2841             <CodeDescription>
2842                 <Title>Market capacity price differential</Title>
2843                 <Definition>The difference between the price of capacity in a Market Balance Area receiving the
2844 capacity (In Area) and the price of capacity in a Market Balance Area providing the capacity (Out Area). (i.e. In Area Price
2845 - Out Area price).</Definition>
2846             </CodeDescription>
2847         </xsd:documentation>
2848     </xsd:annotation>
2849 </xsd:enumeration>
2850 <xsd:enumeration value="A49">
2851     <xsd:annotation>
2852         <xsd:documentation>
2853             <CodeDescription>
2854                 <Title>Inflow</Title>
2855                 <Definition>The volume of water that flows into a reservoir in a given interval</Definition>
2856             </CodeDescription>
2857         </xsd:documentation>
2858     </xsd:annotation>
2859 </xsd:enumeration>
2860 <xsd:enumeration value="A50">
2861     <xsd:annotation>
2862         <xsd:documentation>
2863             <CodeDescription>
2864                 <Title>Water extraction</Title>
2865                 <Definition>The volume of water that can be extracted from a resevoir in a given
2866 interval</Definition>
2867             </CodeDescription>
2868         </xsd:documentation>
2869     </xsd:annotation>
2870 </xsd:enumeration>
2871 <xsd:enumeration value="A51">
2872     <xsd:annotation>
2873         <xsd:documentation>
2874             <CodeDescription>
2875                 <Title>Turbined water</Title>
2876                 <Definition>The volume of water that can be turbined in a plant in a given interval</Definition>
2877             </CodeDescription>
2878         </xsd:documentation>
2879     </xsd:annotation>
2880 </xsd:enumeration>
2881 <xsd:enumeration value="A52">
2882     <xsd:annotation>
2883         <xsd:documentation>
2884             <CodeDescription>
2885                 <Title>Water spillage</Title>
2886                 <Definition>The volume of water that is not turbined going through the spilway in a given
2887 interval</Definition>
2888             </CodeDescription>
2889         </xsd:documentation>
2890     </xsd:annotation>
2891 </xsd:enumeration>

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2892         <xsd:enumeration value="A53">
2893             <xsd:annotation>
2894                 <xsd:documentation>
2895                     <CodeDescription>
2896                         <Title>Planned maintenance</Title>
2897                         <Definition>Maintenance has been planned for the object in question with a forecast ending
2898 date.</Definition>
2899                     </CodeDescription>
2900                 </xsd:documentation>
2901             </xsd:annotation>
2902         </xsd:enumeration>
2903         <xsd:enumeration value="A54">
2904             <xsd:annotation>
2905                 <xsd:documentation>
2906                     <CodeDescription>
2907                         <Title>Forced outage</Title>
2908                         <Definition>An unplanned outage has occurred on the object in question.</Definition>
2909                     </CodeDescription>
2910                 </xsd:documentation>
2911             </xsd:annotation>
2912         </xsd:enumeration>
2913         <xsd:enumeration value="A55">
2914             <xsd:annotation>
2915                 <xsd:documentation>
2916                     <CodeDescription>
2917                         <Title>Use it Or Sell it (UIOSI) pricing</Title>
2918                         <Definition>The time series provides information on the capacity resold in the "use it or sell it"
2919 process and its corresponding price.</Definition>
2920                     </CodeDescription>
2921                 </xsd:documentation>
2922             </xsd:annotation>
2923         </xsd:enumeration>
2924         <xsd:enumeration value="A56">
2925             <xsd:annotation>
2926                 <xsd:documentation>
2927                     <CodeDescription>
2928                         <Title>Compensation for auction cancellation where capacity is for resale</Title>
2929                         <Definition>The time series provides information on the compensation of the capacity for resale
2930 following an auction cancellation.</Definition>
2931                     </CodeDescription>
2932                 </xsd:documentation>
2933             </xsd:annotation>
2934         </xsd:enumeration>
2935         <xsd:enumeration value="A57">
2936             <xsd:annotation>
2937                 <xsd:documentation>
2938                     <CodeDescription>
2939                         <Title>Resale pricing</Title>
2940                         <Definition>For each Physical Transmission Rights holder, this document contains the resold
2941 capacity and its corresponding price.</Definition>
2942                     </CodeDescription>
2943                 </xsd:documentation>
2944             </xsd:annotation>
2945         </xsd:enumeration>
2946         <xsd:enumeration value="A58">
2947             <xsd:annotation>
2948                 <xsd:documentation>
2949                     <CodeDescription>
2950                         <Title>Curtailed capacity compensation</Title>
2951                         <Definition>The time series provides information to compensate a party when curtailment is applied
2952 on the capacity obtained in a previous auction, resale or transfer.</Definition>
2953                     </CodeDescription>
2954                 </xsd:documentation>
2955             </xsd:annotation>
2956         </xsd:enumeration>
2957         <xsd:enumeration value="A59">
2958             <xsd:annotation>
2959                 <xsd:documentation>
2960                     <CodeDescription>
2961                         <Title>Use it Or Sell it (UIOSI) compensation</Title>
2962                         <Definition>The time series provides information on the compensation for the capacity following an
2963 auction cancellation.</Definition>
2964                     </CodeDescription>
2965                 </xsd:documentation>
2966             </xsd:annotation>
2967         </xsd:enumeration>
2968         <xsd:enumeration value="A60">
2969             <xsd:annotation>
2970                 <xsd:documentation>
2971                     <CodeDescription>
2972                         <Title>Minimum possible</Title>
2973                         <Definition>The time series provides a schedule of minimum possible values for a Resource Object.
2974 The nature of the flow could be defined by the attribute Direction.</Definition>
2975                     </CodeDescription>
2976                 </xsd:documentation>
2977             </xsd:annotation>
2978         </xsd:enumeration>
2979         <xsd:enumeration value="A61">
2980             <xsd:annotation>
2981                 <xsd:documentation>
2982                     <CodeDescription>
2983                         <Title>Maximum available</Title>
2984                         <Definition>The time series provides a schedule of maximum available values for a Resource Object.
2985 The nature of the flow could be defined by the attribute Direction.</Definition>
2986                     </CodeDescription>
2987                 </xsd:documentation>

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2988         </xsd:annotation>
2989     </xsd:enumeration>
2990     <xsd:enumeration value="A62">
2991         <xsd:annotation>
2992             <xsd:documentation>
2993                 <CodeDescription>
2994                     <Title>Spot price</Title>
2995                     <Definition>The time series provides the market spot prices from an auction.</Definition>
2996                 </CodeDescription>
2997             </xsd:documentation>
2998         </xsd:annotation>
2999     </xsd:enumeration>
3000     <xsd:enumeration value="A63">
3001         <xsd:annotation>
3002             <xsd:documentation>
3003                 <CodeDescription>
3004                     <Title>Minimum ATC</Title>
3005                     <Definition>The Available Transmission Capacity that must be guaranteed because of regulatory
3006 constraints.</Definition>
3007                 </CodeDescription>
3008             </xsd:documentation>
3009         </xsd:annotation>
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3011     <xsd:enumeration value="A64">
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3016                     <Definition>The data as provided for a meter measurement source.</Definition>
3017                 </CodeDescription>
3018             </xsd:documentation>
3019         </xsd:annotation>
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3021     <xsd:enumeration value="A65">
3022         <xsd:annotation>
3023             <xsd:documentation>
3024                 <CodeDescription>
3025                     <Title>Accounting Point Relevant data </Title>
3026                     <Definition>The metered data that is to be considered relevant for accounting
3027 purposes.</Definition>
3028                 </CodeDescription>
3029             </xsd:documentation>
3030         </xsd:annotation>
3031     </xsd:enumeration>
3032     <xsd:enumeration value="A66">
3033         <xsd:annotation>
3034             <xsd:documentation>
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3037                     <Definition>Energy flow information.</Definition>
3038                 </CodeDescription>
3039             </xsd:documentation>
3040         </xsd:annotation>
3041     </xsd:enumeration>
3042     <xsd:enumeration value="A67">
3043         <xsd:annotation>
3044             <xsd:documentation>
3045                 <CodeDescription>
3046                     <Title>Power plant energy Schedule</Title>
3047                     <Definition>Energy flow scheduled for a power plant.</Definition>
3048                 </CodeDescription>
3049             </xsd:documentation>
3050         </xsd:annotation>
3051     </xsd:enumeration>
3052     <xsd:enumeration value="A68">
3053         <xsd:annotation>
3054             <xsd:documentation>
3055                 <CodeDescription>
3056                     <Title>Compensation Requirements for the compensation period</Title>
3057                     <Definition>The time series provides the compensation requirements for a given compensation
3058 period.</Definition>
3059                 </CodeDescription>
3060             </xsd:documentation>
3061         </xsd:annotation>
3062     </xsd:enumeration>
3063     <xsd:enumeration value="A69">
3064         <xsd:annotation>
3065             <xsd:documentation>
3066                 <CodeDescription>
3067                     <Title>Market coupling results</Title>
3068                     <Definition>The time series provides the results of a market coupling auction.</Definition>
3069                 </CodeDescription>
3070             </xsd:documentation>
3071         </xsd:annotation>
3072     </xsd:enumeration>
3073     <xsd:enumeration value="A70">
3074         <xsd:annotation>
3075             <xsd:documentation>
3076                 <CodeDescription>
3077                     <Title>Production, unavailable</Title>
3078                     <Definition>Production capacity that normally would be available, but due to maintenance or
3079 similar is temporarily unavailable.</Definition>
3080                 </CodeDescription>
3081             </xsd:documentation>
3082         </xsd:annotation>
3083     </xsd:enumeration>

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3084         <xsd:enumeration value="A71">
3085             <xsd:annotation>
3086                 <xsd:documentation>
3087                     <CodeDescription>
3088                         <Title>Supplementary available generation</Title>
3089                         <Definition>The supplementary generation that is available.</Definition>
3090                     </CodeDescription>
3091                 </xsd:documentation>
3092             </xsd:annotation>
3093         </xsd:enumeration>
3094         <xsd:enumeration value="A72">
3095             <xsd:annotation>
3096                 <xsd:documentation>
3097                     <CodeDescription>
3098                         <Title>Interruptible consumption</Title>
3099                         <Definition>The consumption that may be interrupted on request.</Definition>
3100                     </CodeDescription>
3101                 </xsd:documentation>
3102             </xsd:annotation>
3103         </xsd:enumeration>
3104         <xsd:enumeration value="A73">
3105             <xsd:annotation>
3106                 <xsd:documentation>
3107                     <CodeDescription>
3108                         <Title>Summarised Market Balance Area Schedule</Title>
3109                         <Definition>A time series providing the total exchanges based on commercial transactions between
3110 two Market Balance Areas.</Definition>
3111                     </CodeDescription>
3112                 </xsd:documentation>
3113             </xsd:annotation>
3114         </xsd:enumeration>
3115         <xsd:enumeration value="A74">
3116             <xsd:annotation>
3117                 <xsd:documentation>
3118                     <CodeDescription>
3119                         <Title>Load Frequency Control Program Schedule</Title>
3120                         <Definition>A time series providing the schedule information for the Load Frequency Control
3121 Program of a Control Area or a Control Block.</Definition>
3122                     </CodeDescription>
3123                 </xsd:documentation>
3124             </xsd:annotation>
3125         </xsd:enumeration>
3126         <xsd:enumeration value="A75">
3127             <xsd:annotation>
3128                 <xsd:documentation>
3129                     <CodeDescription>
3130                         <Title>Timeframe Independent Schedule</Title>
3131                         <Definition>A time series providing the total exchanges of Timeframe Independent Schedules between
3132 two System Operators.</Definition>
3133                     </CodeDescription>
3134                 </xsd:documentation>
3135             </xsd:annotation>
3136         </xsd:enumeration>
3137         <xsd:enumeration value="A76">
3138             <xsd:annotation>
3139                 <xsd:documentation>
3140                     <CodeDescription>
3141                         <Title>Consumption curtailment</Title>
3142                         <Definition>A time series providing the amount of voluntary consumption curtailed by the energy
3143 supplier of an end-consumer.</Definition>
3144                     </CodeDescription>
3145                 </xsd:documentation>
3146             </xsd:annotation>
3147         </xsd:enumeration>
3148         <xsd:enumeration value="A77">
3149             <xsd:annotation>
3150                 <xsd:documentation>
3151                     <CodeDescription>
3152                         <Title>Production, dispatchable</Title>
3153                         <Definition>The nature of the business being described is dispatchable production details, i.e.
3154 generation output that can be changed by a request (activation order) of the TSO according with the applicable Market Rules.
3155 </Definition>
3156                     </CodeDescription>
3157                 </xsd:documentation>
3158             </xsd:annotation>
3159         </xsd:enumeration>
3160         <xsd:enumeration value="A78">
3161             <xsd:annotation>
3162                 <xsd:documentation>
3163                     <CodeDescription>
3164                         <Title>Consumption, dispatchable</Title>
3165                         <Definition>The nature of the business being described is dispatchable consumption details, i.e.
3166 consumption output that can be changed by a request (activation order) of the TSO according with the applicable Market Rules.
3167 </Definition>
3168                     </CodeDescription>
3169                 </xsd:documentation>
3170             </xsd:annotation>
3171         </xsd:enumeration>
3172         <xsd:enumeration value="A79">
3173             <xsd:annotation>
3174                 <xsd:documentation>
3175                     <CodeDescription>
3176                         <Title>Production, non-dispatchable</Title>
3177                         <Definition>The nature of the business being described is non-dispatchable production details,
3178 i.e. generation output that cannot be modified by an activation order.</Definition>
3179                     </CodeDescription>

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3180         </xsd:documentation>
3181     </xsd:annotation>
3182 </xsd:enumeration>
3183 <xsd:enumeration value="A80">
3184     <xsd:annotation>
3185         <xsd:documentation>
3186             <CodeDescription>
3187                 <Title>Consumption, non-dispatchable</Title>
3188                 <Definition>The nature of the business being described is non-dispatchable consumption details,
i.e. consumption output that cannot be modified by an activation order.</Definition>
3189             </CodeDescription>
3190         </xsd:documentation>
3191     </xsd:annotation>
3192 </xsd:enumeration>
3193 <xsd:enumeration value="A81">
3194     <xsd:annotation>
3195         <xsd:documentation>
3196             <CodeDescription>
3197                 <Title>Total Transfer Capacity (TTC)</Title>
3198                 <Definition>The Total Transfer Capacity is the maximum exchange program between two areas
3199 compatible with operational security standards applicable at each system if future network conditions, generation and load
3200 patterns were perfectly known in advance.</Definition>
3201             </CodeDescription>
3202         </xsd:documentation>
3203     </xsd:annotation>
3204 </xsd:enumeration>
3205 <xsd:enumeration value="A82">
3206     <xsd:annotation>
3207         <xsd:documentation>
3208             <CodeDescription>
3209                 <Title>Mutual Emergency Assistance Service (MEAS) </Title>
3210                 <Definition>The cross border Mutual Emergency Assistance Service between System Operators that are
3211 to be activated through schedule nomination .</Definition>
3212             </CodeDescription>
3213         </xsd:documentation>
3214     </xsd:annotation>
3215 </xsd:enumeration>
3216 <xsd:enumeration value="A83">
3217     <xsd:annotation>
3218         <xsd:documentation>
3219             <CodeDescription>
3220                 <Title>Auction cancelation </Title>
3221                 <Definition>The time series covers auction cancelation rights .</Definition>
3222             </CodeDescription>
3223         </xsd:documentation>
3224     </xsd:annotation>
3225 </xsd:enumeration>
3226 <xsd:enumeration value="A84">
3227     <xsd:annotation>
3228         <xsd:documentation>
3229             <CodeDescription>
3230                 <Title>Nomination curtailment</Title>
3231                 <Definition>The time series covers nomination curtailment rights </Definition>
3232             </CodeDescription>
3233         </xsd:documentation>
3234     </xsd:annotation>
3235 </xsd:enumeration>
3236 <xsd:enumeration value="A85">
3237     <xsd:annotation>
3238         <xsd:documentation>
3239             <CodeDescription>
3240                 <Title>Internal redispatch</Title>
3241                 <Definition>Redispatch to relieve Market Balance Area internal congestion.</Definition>
3242             </CodeDescription>
3243         </xsd:documentation>
3244     </xsd:annotation>
3245 </xsd:enumeration>
3246 <xsd:enumeration value="A86">
3247     <xsd:annotation>
3248         <xsd:documentation>
3249             <CodeDescription>
3250                 <Title>Control area balance energy</Title>
3251                 <Definition>A sum of secondary, tertiary control as well as other energy that was used to balance
3252 a control area.</Definition>
3253             </CodeDescription>
3254         </xsd:documentation>
3255     </xsd:annotation>
3256 </xsd:enumeration>
3257 <xsd:enumeration value="A87">
3258     <xsd:annotation>
3259         <xsd:documentation>
3260             <CodeDescription>
3261                 <Title>Balancing energy price</Title>
3262                 <Definition>Price of energy used to balance.</Definition>
3263             </CodeDescription>
3264         </xsd:documentation>
3265     </xsd:annotation>
3266 </xsd:enumeration>
3267 <xsd:enumeration value="A88">
3268     <xsd:annotation>
3269         <xsd:documentation>
3270             <CodeDescription>
3271                 <Title>Economised secondary reserve</Title>
3272                 <Definition>The activated secondary reserve that had been economised due to pooled reserve
3273 management.</Definition>
3274             </CodeDescription>
3275         </xsd:documentation>
3276     </xsd:annotation>
3277 </xsd:enumeration>

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3276         </xsd:documentation>
3277     </xsd:annotation>
3278 </xsd:enumeration>
3279 </xsd:restriction>
3280 </xsd:simpleType>
3281 <!-- _____ CategoryTypeList _____ -->
3282 <xsd:simpleType name="CategoryTypeList">
3283     <xsd:annotation>
3284         <xsd:documentation>
3285             <UId>ET0037</UId>
3286             <Definition>The product category of an auction</Definition>
3287         </xsd:documentation>
3288     </xsd:annotation>
3289     <xsd:restriction base="xsd:NMTOKEN">
3290         <xsd:enumeration value="A01">
3291             <xsd:annotation>
3292                 <xsd:documentation>
3293                     <CodeDescription>
3294                         <Title>Base</Title>
3295                         <Definition>The auction is for a base period</Definition>
3296                     </CodeDescription>
3297                 </xsd:documentation>
3298             </xsd:annotation>
3299         </xsd:enumeration>
3300         <xsd:enumeration value="A02">
3301             <xsd:annotation>
3302                 <xsd:documentation>
3303                     <CodeDescription>
3304                         <Title>Peak</Title>
3305                         <Definition>The auction is for a peak period</Definition>
3306                     </CodeDescription>
3307                 </xsd:documentation>
3308             </xsd:annotation>
3309         </xsd:enumeration>
3310         <xsd:enumeration value="A03">
3311             <xsd:annotation>
3312                 <xsd:documentation>
3313                     <CodeDescription>
3314                         <Title>Off peak</Title>
3315                         <Definition>The auction is for an off peak period.</Definition>
3316                     </CodeDescription>
3317                 </xsd:documentation>
3318             </xsd:annotation>
3319         </xsd:enumeration>
3320         <xsd:enumeration value="A04">
3321             <xsd:annotation>
3322                 <xsd:documentation>
3323                     <CodeDescription>
3324                         <Title>Hourly</Title>
3325                         <Definition>The auction is for an hourly period.</Definition>
3326                     </CodeDescription>
3327                 </xsd:documentation>
3328             </xsd:annotation>
3329         </xsd:enumeration>
3330     </xsd:restriction>
3331 </xsd:simpleType>
3332 <!-- _____ ClassificationTypeList _____ -->
3333 <xsd:simpleType name="ClassificationTypeList">
3334     <xsd:annotation>
3335         <xsd:documentation>
3336             <UId>ET0013 </UId>
3337             <Definition>Indicates the classification mechanism used to group a set of objects together. The grouping may
3338 be of a detailed or a summary nature</Definition>
3339         </xsd:documentation>
3340     </xsd:annotation>
3341     <xsd:restriction base="xsd:NMTOKEN">
3342         <xsd:enumeration value="A01">
3343             <xsd:annotation>
3344                 <xsd:documentation>
3345                     <CodeDescription>
3346                         <Title>Detail type </Title>
3347                         <Definition>The Time Series content provides detailed information.</Definition>
3348                     </CodeDescription>
3349                 </xsd:documentation>
3350             </xsd:annotation>
3351         </xsd:enumeration>
3352         <xsd:enumeration value="A02">
3353             <xsd:annotation>
3354                 <xsd:documentation>
3355                     <CodeDescription>
3356                         <Title>Summary type </Title>
3357                         <Definition>The Time Series content provides aggregated information.</Definition>
3358                     </CodeDescription>
3359                 </xsd:documentation>
3360             </xsd:annotation>
3361         </xsd:enumeration>
3362     </xsd:restriction>
3363 </xsd:simpleType>
3364 <!-- _____ CodingSchemeType _____ -->
3365 <xsd:simpleType name="CodingSchemeType">
3366     <xsd:annotation>
3367         <xsd:documentation>
3368             <UId>ET0004</UId>
3369             <Definition>Codification scheme used to identify the coding scheme used for the set of coded values to
3370 identify specific objects.</Definition>
3371         </xsd:documentation>

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3372         </xsd:annotation>
3373         <xsd:restriction base="xsd:NMTOKEN">
3374             <xsd:enumeration value="A01">
3375                 <xsd:annotation>
3376                     <xsd:documentation>
3377                         <CodeDescription>
3378                             <Title>EIC (Preferred)</Title>
3379                             <Definition>The coding scheme for the preceding attribute is the Energy Identification Coding
3380 Scheme (EIC), maintained by ENTSO-E.</Definition>
3381                         </CodeDescription>
3382                     </xsd:documentation>
3383                 </xsd:annotation>
3384             </xsd:enumeration>
3385             <xsd:enumeration value="A10">
3386                 <xsd:annotation>
3387                     <xsd:documentation>
3388                         <CodeDescription>
3389                             <Title>GS1 (Preferred)</Title>
3390                             <Definition>The coding scheme for the preceding attribute is the Global Location Number (GLN 13)
3391 or Global Service Relation Number (GSRN 18), maintained by GS1.</Definition>
3392                         </CodeDescription>
3393                     </xsd:documentation>
3394                 </xsd:annotation>
3395             </xsd:enumeration>
3396             <xsd:enumeration value="NAD">
3397                 <xsd:annotation>
3398                     <xsd:documentation>
3399                         <CodeDescription>
3400                             <Title>Andorra National coding scheme</Title>
3401                             <Definition>The National coding scheme of the country in question.</Definition>
3402                         </CodeDescription>
3403                     </xsd:documentation>
3404                 </xsd:annotation>
3405             </xsd:enumeration>
3406             <xsd:enumeration value="NAL">
3407                 <xsd:annotation>
3408                     <xsd:documentation>
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3410                             <Title>Albania National coding scheme</Title>
3411                             <Definition>The National coding scheme of the country in question.</Definition>
3412                         </CodeDescription>
3413                     </xsd:documentation>
3414                 </xsd:annotation>
3415             </xsd:enumeration>
3416             <xsd:enumeration value="NAM">
3417                 <xsd:annotation>
3418                     <xsd:documentation>
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3420                             <Title>Armenia National coding scheme</Title>
3421                             <Definition>The National coding scheme of the country in question.</Definition>
3422                         </CodeDescription>
3423                     </xsd:documentation>
3424                 </xsd:annotation>
3425             </xsd:enumeration>
3426             <xsd:enumeration value="NAT">
3427                 <xsd:annotation>
3428                     <xsd:documentation>
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3430                             <Title>Austria National coding scheme</Title>
3431                             <Definition>The National coding scheme of the country in question.</Definition>
3432                         </CodeDescription>
3433                     </xsd:documentation>
3434                 </xsd:annotation>
3435             </xsd:enumeration>
3436             <xsd:enumeration value="NAZ">
3437                 <xsd:annotation>
3438                     <xsd:documentation>
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3440                             <Title>Azerbaijan National coding scheme</Title>
3441                             <Definition>The National coding scheme of the country in question.</Definition>
3442                         </CodeDescription>
3443                     </xsd:documentation>
3444                 </xsd:annotation>
3445             </xsd:enumeration>
3446             <xsd:enumeration value="NBE">
3447                 <xsd:annotation>
3448                     <xsd:documentation>
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3450                             <Title>Belgium National coding scheme</Title>
3451                             <Definition>The National coding scheme of the country in question.</Definition>
3452                         </CodeDescription>
3453                     </xsd:documentation>
3454                 </xsd:annotation>
3455             </xsd:enumeration>
3456             <xsd:enumeration value="NBA">
3457                 <xsd:annotation>
3458                     <xsd:documentation>
3459                         <CodeDescription>
3460                             <Title>Bosnia and Herzegovina National coding scheme</Title>
3461                             <Definition>The National coding scheme of the country in question.</Definition>
3462                         </CodeDescription>
3463                     </xsd:documentation>
3464                 </xsd:annotation>
3465             </xsd:enumeration>
3466             <xsd:enumeration value="NBG">
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3468         <xsd:documentation>
3469             <CodeDescription>
3470                 <Title>Bulgaria National coding scheme</Title>
3471                 <Definition>The National coding scheme of the country in question.</Definition>
3472             </CodeDescription>
3473         </xsd:documentation>
3474     </xsd:annotation>
3475 </xsd:enumeration>
3476 <xsd:enumeration value="NHR">
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3480                 <Title>Croatia National coding scheme</Title>
3481                 <Definition>The National coding scheme of the country in question.</Definition>
3482             </CodeDescription>
3483         </xsd:documentation>
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3485 </xsd:enumeration>
3486 <xsd:enumeration value="NCZ">
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3488         <xsd:documentation>
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3490                 <Title>Czech Republic National coding scheme</Title>
3491                 <Definition>The National coding scheme of the country in question.</Definition>
3492             </CodeDescription>
3493         </xsd:documentation>
3494     </xsd:annotation>
3495 </xsd:enumeration>
3496 <xsd:enumeration value="NDK">
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3498         <xsd:documentation>
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3501                 <Definition>The National coding scheme of the country in question.</Definition>
3502             </CodeDescription>
3503         </xsd:documentation>
3504     </xsd:annotation>
3505 </xsd:enumeration>
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3508         <xsd:documentation>
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3511                 <Definition>The National coding scheme of the country in question.</Definition>
3512             </CodeDescription>
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3514     </xsd:annotation>
3515 </xsd:enumeration>
3516 <xsd:enumeration value="NFI">
3517     <xsd:annotation>
3518         <xsd:documentation>
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3521                 <Definition>The National coding scheme of the country in question.</Definition>
3522             </CodeDescription>
3523         </xsd:documentation>
3524     </xsd:annotation>
3525 </xsd:enumeration>
3526 <xsd:enumeration value="NFR">
3527     <xsd:annotation>
3528         <xsd:documentation>
3529             <CodeDescription>
3530                 <Title>France National coding scheme</Title>
3531                 <Definition>The National coding scheme of the country in question.</Definition>
3532             </CodeDescription>
3533         </xsd:documentation>
3534     </xsd:annotation>
3535 </xsd:enumeration>
3536 <xsd:enumeration value="NGE">
3537     <xsd:annotation>
3538         <xsd:documentation>
3539             <CodeDescription>
3540                 <Title>Georgia National coding scheme</Title>
3541                 <Definition>The National coding scheme of the country in question.</Definition>
3542             </CodeDescription>
3543         </xsd:documentation>
3544     </xsd:annotation>
3545 </xsd:enumeration>
3546 <xsd:enumeration value="NDE">
3547     <xsd:annotation>
3548         <xsd:documentation>
3549             <CodeDescription>
3550                 <Title>Germany National coding scheme</Title>
3551                 <Definition>The National coding scheme of the country in question.</Definition>
3552             </CodeDescription>
3553         </xsd:documentation>
3554     </xsd:annotation>
3555 </xsd:enumeration>
3556 <xsd:enumeration value="NGI">
3557     <xsd:annotation>
3558         <xsd:documentation>
3559             <CodeDescription>
3560                 <Title>Gibraltar National coding scheme</Title>
3561                 <Definition>The National coding scheme of the country in question.</Definition>
3562             </CodeDescription>
3563         </xsd:documentation>
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3564         </xsd:annotation>
3565     </xsd:enumeration>
3566     <xsd:enumeration value="NGR">
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3571                     <Definition>The National coding scheme of the country in question.</Definition>
3572                 </CodeDescription>
3573             </xsd:documentation>
3574         </xsd:annotation>
3575     </xsd:enumeration>
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3577         <xsd:annotation>
3578             <xsd:documentation>
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3581                     <Definition>The National coding scheme of the country in question.</Definition>
3582                 </CodeDescription>
3583             </xsd:documentation>
3584         </xsd:annotation>
3585     </xsd:enumeration>
3586     <xsd:enumeration value="NIE">
3587         <xsd:annotation>
3588             <xsd:documentation>
3589                 <CodeDescription>
3590                     <Title>Ireland National coding scheme</Title>
3591                     <Definition>The National coding scheme of the country in question.</Definition>
3592                 </CodeDescription>
3593             </xsd:documentation>
3594         </xsd:annotation>
3595     </xsd:enumeration>
3596     <xsd:enumeration value="NIT">
3597         <xsd:annotation>
3598             <xsd:documentation>
3599                 <CodeDescription>
3600                     <Title>Italy National coding scheme</Title>
3601                     <Definition>The National coding scheme of the country in question.</Definition>
3602                 </CodeDescription>
3603             </xsd:documentation>
3604         </xsd:annotation>
3605     </xsd:enumeration>
3606     <xsd:enumeration value="NKZ">
3607         <xsd:annotation>
3608             <xsd:documentation>
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3610                     <Title>Kazakhstan National coding scheme</Title>
3611                     <Definition>The National coding scheme of the country in question.</Definition>
3612                 </CodeDescription>
3613             </xsd:documentation>
3614         </xsd:annotation>
3615     </xsd:enumeration>
3616     <xsd:enumeration value="NKG">
3617         <xsd:annotation>
3618             <xsd:documentation>
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3621                     <Definition>The National coding scheme of the country in question.</Definition>
3622                 </CodeDescription>
3623             </xsd:documentation>
3624         </xsd:annotation>
3625     </xsd:enumeration>
3626     <xsd:enumeration value="NLV">
3627         <xsd:annotation>
3628             <xsd:documentation>
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3630                     <Title>Latvia National coding scheme</Title>
3631                     <Definition>The National coding scheme of the country in question.</Definition>
3632                 </CodeDescription>
3633             </xsd:documentation>
3634         </xsd:annotation>
3635     </xsd:enumeration>
3636     <xsd:enumeration value="NLI">
3637         <xsd:annotation>
3638             <xsd:documentation>
3639                 <CodeDescription>
3640                     <Title>Liechtenstein National coding scheme</Title>
3641                     <Definition>The National coding scheme of the country in question.</Definition>
3642                 </CodeDescription>
3643             </xsd:documentation>
3644         </xsd:annotation>
3645     </xsd:enumeration>
3646     <xsd:enumeration value="NLT">
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3648             <xsd:documentation>
3649                 <CodeDescription>
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3651                     <Definition>The National coding scheme of the country in question.</Definition>
3652                 </CodeDescription>
3653             </xsd:documentation>
3654         </xsd:annotation>
3655     </xsd:enumeration>
3656     <xsd:enumeration value="NLU">
3657         <xsd:annotation>
3658             <xsd:documentation>
3659                 <CodeDescription>
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3660         <Title>Luxembourg National coding scheme</Title>
3661         <Definition>The National coding scheme of the country in question.</Definition>
3662         </CodeDescription>
3663     </xsd:documentation>
3664 </xsd:annotation>
3665 </xsd:enumeration>
3666 <xsd:enumeration value="NMK">
3667     <xsd:annotation>
3668         <xsd:documentation>
3669             <CodeDescription>
3670                 <Title>Macedonia National coding scheme</Title>
3671                 <Definition>The National coding scheme of the country in question.</Definition>
3672             </CodeDescription>
3673         </xsd:documentation>
3674     </xsd:annotation>
3675 </xsd:enumeration>
3676 <xsd:enumeration value="NMD">
3677     <xsd:annotation>
3678         <xsd:documentation>
3679             <CodeDescription>
3680                 <Title>Moldovia National coding scheme</Title>
3681                 <Definition>The National coding scheme of the country in question.</Definition>
3682             </CodeDescription>
3683         </xsd:documentation>
3684     </xsd:annotation>
3685 </xsd:enumeration>
3686 <xsd:enumeration value="NMA">
3687     <xsd:annotation>
3688         <xsd:documentation>
3689             <CodeDescription>
3690                 <Title>Morocco National coding scheme</Title>
3691                 <Definition>The National coding scheme of the country in question.</Definition>
3692             </CodeDescription>
3693         </xsd:documentation>
3694     </xsd:annotation>
3695 </xsd:enumeration>
3696 <xsd:enumeration value="NNL">
3697     <xsd:annotation>
3698         <xsd:documentation>
3699             <CodeDescription>
3700                 <Title>Netherlands National coding scheme</Title>
3701                 <Definition>The National coding scheme of the country in question.</Definition>
3702             </CodeDescription>
3703         </xsd:documentation>
3704     </xsd:annotation>
3705 </xsd:enumeration>
3706 <xsd:enumeration value="NNO">
3707     <xsd:annotation>
3708         <xsd:documentation>
3709             <CodeDescription>
3710                 <Title>Norway National coding scheme</Title>
3711                 <Definition>The National coding scheme of the country in question.</Definition>
3712             </CodeDescription>
3713         </xsd:documentation>
3714     </xsd:annotation>
3715 </xsd:enumeration>
3716 <xsd:enumeration value="NPL">
3717     <xsd:annotation>
3718         <xsd:documentation>
3719             <CodeDescription>
3720                 <Title>Poland National coding scheme</Title>
3721                 <Definition>The National coding scheme of the country in question.</Definition>
3722             </CodeDescription>
3723         </xsd:documentation>
3724     </xsd:annotation>
3725 </xsd:enumeration>
3726 <xsd:enumeration value="NPT">
3727     <xsd:annotation>
3728         <xsd:documentation>
3729             <CodeDescription>
3730                 <Title>Portugal National coding scheme</Title>
3731                 <Definition>The National coding scheme of the country in question.</Definition>
3732             </CodeDescription>
3733         </xsd:documentation>
3734     </xsd:annotation>
3735 </xsd:enumeration>
3736 <xsd:enumeration value="NRO">
3737     <xsd:annotation>
3738         <xsd:documentation>
3739             <CodeDescription>
3740                 <Title>Romania National coding scheme</Title>
3741                 <Definition>The National coding scheme of the country in question.</Definition>
3742             </CodeDescription>
3743         </xsd:documentation>
3744     </xsd:annotation>
3745 </xsd:enumeration>
3746 <xsd:enumeration value="NRU">
3747     <xsd:annotation>
3748         <xsd:documentation>
3749             <CodeDescription>
3750                 <Title>Russian Federation National coding scheme</Title>
3751                 <Definition>The National coding scheme of the country in question.</Definition>
3752             </CodeDescription>
3753         </xsd:documentation>
3754     </xsd:annotation>
3755 </xsd:enumeration>
```

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3756         <xsd:enumeration value="NCS">
3757             <xsd:annotation>
3758                 <xsd:documentation>
3759                     <CodeDescription>
3760                         <Title>Serbia and Montenegro National coding scheme</Title>
3761                         <Definition>The National coding scheme of the country in question.</Definition>
3762                     </CodeDescription>
3763                 </xsd:documentation>
3764             </xsd:annotation>
3765         </xsd:enumeration>
3766         <xsd:enumeration value="NSK">
3767             <xsd:annotation>
3768                 <xsd:documentation>
3769                     <CodeDescription>
3770                         <Title>Slovakia National coding scheme</Title>
3771                         <Definition>The National coding scheme of the country in question.</Definition>
3772                     </CodeDescription>
3773                 </xsd:documentation>
3774             </xsd:annotation>
3775         </xsd:enumeration>
3776         <xsd:enumeration value="NSI">
3777             <xsd:annotation>
3778                 <xsd:documentation>
3779                     <CodeDescription>
3780                         <Title>Slovenia National coding scheme</Title>
3781                         <Definition>The National coding scheme of the country in question.</Definition>
3782                     </CodeDescription>
3783                 </xsd:documentation>
3784             </xsd:annotation>
3785         </xsd:enumeration>
3786         <xsd:enumeration value="NES">
3787             <xsd:annotation>
3788                 <xsd:documentation>
3789                     <CodeDescription>
3790                         <Title>Spain National coding scheme</Title>
3791                         <Definition>The National coding scheme of the country in question.</Definition>
3792                     </CodeDescription>
3793                 </xsd:documentation>
3794             </xsd:annotation>
3795         </xsd:enumeration>
3796         <xsd:enumeration value="NSE">
3797             <xsd:annotation>
3798                 <xsd:documentation>
3799                     <CodeDescription>
3800                         <Title>Sweden National coding scheme</Title>
3801                         <Definition>The National coding scheme of the country in question.</Definition>
3802                     </CodeDescription>
3803                 </xsd:documentation>
3804             </xsd:annotation>
3805         </xsd:enumeration>
3806         <xsd:enumeration value="NCH">
3807             <xsd:annotation>
3808                 <xsd:documentation>
3809                     <CodeDescription>
3810                         <Title>Switzerland National coding scheme</Title>
3811                         <Definition>The National coding scheme of the country in question.</Definition>
3812                     </CodeDescription>
3813                 </xsd:documentation>
3814             </xsd:annotation>
3815         </xsd:enumeration>
3816         <xsd:enumeration value="NTR">
3817             <xsd:annotation>
3818                 <xsd:documentation>
3819                     <CodeDescription>
3820                         <Title>Turkey National coding scheme</Title>
3821                         <Definition>The National coding scheme of the country in question.</Definition>
3822                     </CodeDescription>
3823                 </xsd:documentation>
3824             </xsd:annotation>
3825         </xsd:enumeration>
3826         <xsd:enumeration value="NUA">
3827             <xsd:annotation>
3828                 <xsd:documentation>
3829                     <CodeDescription>
3830                         <Title>Ukraine National coding scheme</Title>
3831                         <Definition>The National coding scheme of the country in question.</Definition>
3832                     </CodeDescription>
3833                 </xsd:documentation>
3834             </xsd:annotation>
3835         </xsd:enumeration>
3836         <xsd:enumeration value="NGB">
3837             <xsd:annotation>
3838                 <xsd:documentation>
3839                     <CodeDescription>
3840                         <Title>United Kingdom National coding scheme</Title>
3841                         <Definition>The National coding scheme of the country in question.</Definition>
3842                     </CodeDescription>
3843                 </xsd:documentation>
3844             </xsd:annotation>
3845         </xsd:enumeration>
3846         <xsd:enumeration value="NNN">
3847             <xsd:annotation>
3848                 <xsd:documentation>
3849                     <CodeDescription>
3850                         <Title>Nordic Regional coding scheme</Title>
3851                         <Definition>The coding scheme of the Nordic region which covers Norway, Sweden, Denmark and
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3852 Finland.</Definition>
3853         </CodeDescription>
3854     </xsd:documentation>
3855     </xsd:annotation>
3856 </xsd:enumeration>
3857 </xsd:restriction>
3858 </xsd:simpleType>
3859 <!-- ContractTypeList -->
3860 <xsd:simpleType name="ContractTypeList">
3861     <xsd:annotation>
3862         <xsd:documentation>
3863             <UId>ET0010</UId>
3864             <Definition>The contract type defines the conditions under which the capacity is allocated and handled. EG:
3865             daily auction, weekly auction, monthly auction, yearly auction, etc. The significance of this type is dependent on area
3866             specific coded working methods</Definition>
3867         </xsd:documentation>
3868     </xsd:annotation>
3869     <xsd:restriction base="xsd:NMTOKEN">
3870         <xsd:enumeration value="A01">
3871             <xsd:annotation>
3872                 <xsd:documentation>
3873                     <CodeDescription>
3874                         <Title>Daily</Title>
3875                         <Definition>The condition under which capacity is allocated and handled is by daily auction or a
3876             daily transmission allocation procedure.</Definition>
3877                     </CodeDescription>
3878                 </xsd:documentation>
3879             </xsd:annotation>
3880         </xsd:enumeration>
3881         <xsd:enumeration value="A02">
3882             <xsd:annotation>
3883                 <xsd:documentation>
3884                     <CodeDescription>
3885                         <Title>Weekly</Title>
3886                         <Definition>The condition under which capacity is allocated and handled is by weekly auction or a
3887             weekly transmission allocation procedure.</Definition>
3888                     </CodeDescription>
3889                 </xsd:documentation>
3890             </xsd:annotation>
3891         </xsd:enumeration>
3892         <xsd:enumeration value="A03">
3893             <xsd:annotation>
3894                 <xsd:documentation>
3895                     <CodeDescription>
3896                         <Title>Monthly</Title>
3897                         <Definition>The condition under which capacity is allocated and handled is by monthly auction or a
3898             monthly transmission allocation procedure.</Definition>
3899                     </CodeDescription>
3900                 </xsd:documentation>
3901             </xsd:annotation>
3902         </xsd:enumeration>
3903         <xsd:enumeration value="A04">
3904             <xsd:annotation>
3905                 <xsd:documentation>
3906                     <CodeDescription>
3907                         <Title>Yearly</Title>
3908                         <Definition>The condition under which capacity is allocated and handled is by yearly auction or a
3909             yearly transmission allocation procedure.</Definition>
3910                     </CodeDescription>
3911                 </xsd:documentation>
3912             </xsd:annotation>
3913         </xsd:enumeration>
3914         <xsd:enumeration value="A05">
3915             <xsd:annotation>
3916                 <xsd:documentation>
3917                     <CodeDescription>
3918                         <Title>Total</Title>
3919                         <Definition>This is the sum of all capacity contract types for the period covered.</Definition>
3920                     </CodeDescription>
3921                 </xsd:documentation>
3922             </xsd:annotation>
3923         </xsd:enumeration>
3924         <xsd:enumeration value="A06">
3925             <xsd:annotation>
3926                 <xsd:documentation>
3927                     <CodeDescription>
3928                         <Title>Long term contract</Title>
3929                         <Definition>The condition under which capacity is allocated and handled is by long term trade
3930             agreements according to European regulations. (EU Directive 1228/2003).</Definition>
3931                     </CodeDescription>
3932                 </xsd:documentation>
3933             </xsd:annotation>
3934         </xsd:enumeration>
3935         <xsd:enumeration value="A07">
3936             <xsd:annotation>
3937                 <xsd:documentation>
3938                     <CodeDescription>
3939                         <Title>Intraday contract</Title>
3940                         <Definition>The condition under which the capacity is allocated and handled is through an intraday
3941             auction and allocation process.</Definition>
3942                     </CodeDescription>
3943                 </xsd:documentation>
3944             </xsd:annotation>
3945         </xsd:enumeration>
3946         <xsd:enumeration value="A08">
3947             <xsd:annotation>

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3948         <xsd:documentation>
3949             <CodeDescription>
3950                 <Title>Quarter yearly</Title>
3951                 <Definition>The condition under which capacity is allocated and handled is by quarter yearly
3952 auction or a quarter yearly transmission allocation procedure.</Definition>
3953             </CodeDescription>
3954         </xsd:documentation>
3955     </xsd:annotation>
3956 </xsd:enumeration>
3957 <xsd:enumeration value="A09">
3958     <xsd:annotation>
3959         <xsd:documentation>
3960             <CodeDescription>
3961                 <Title>Semestrial</Title>
3962                 <Definition>The condition under which capacity is allocated and handled is by half yearly auction
3963 or a half yearly transmission allocation procedure.</Definition>
3964             </CodeDescription>
3965         </xsd:documentation>
3966     </xsd:annotation>
3967 </xsd:enumeration>
3968 <xsd:enumeration value="A10">
3969     <xsd:annotation>
3970         <xsd:documentation>
3971             <CodeDescription>
3972                 <Title>Multiple year</Title>
3973                 <Definition>The condition under which capacity is allocated and handled is by multiple year
3974 auctions.</Definition>
3975             </CodeDescription>
3976         </xsd:documentation>
3977     </xsd:annotation>
3978 </xsd:enumeration>
3979 <xsd:enumeration value="A11">
3980     <xsd:annotation>
3981         <xsd:documentation>
3982             <CodeDescription>
3983                 <Title>Intraday balancing mechanism</Title>
3984                 <Definition>The condition under which the capacity is allocated and handled is through intraday
3985 energy balancing services.</Definition>
3986             </CodeDescription>
3987         </xsd:documentation>
3988     </xsd:annotation>
3989 </xsd:enumeration>
3990 <xsd:enumeration value="A12">
3991     <xsd:annotation>
3992         <xsd:documentation>
3993             <CodeDescription>
3994                 <Title>Historical contract</Title>
3995                 <Definition>A Contract established before the EU directive that are valid until the term of the
3996 contract.</Definition>
3997             </CodeDescription>
3998         </xsd:documentation>
3999     </xsd:annotation>
4000 </xsd:enumeration>
4001 </xsd:restriction>
4002 </xsd:simpleType>
4003 <!-- CurrencyTypeList -->
4004 <xsd:simpleType name="CurrencyTypeList">
4005     <xsd:annotation>
4006         <xsd:documentation>
4007             <UId>ET0024 </UId>
4008             <Definition>The coded identification of legal tender using ISO 4217 3 alpha codes</Definition>
4009         </xsd:documentation>
4010     </xsd:annotation>
4011     <xsd:restriction base="xsd:NMTOKEN">
4012         <xsd:enumeration value="EUR">
4013             <xsd:annotation>
4014                 <xsd:documentation>
4015                     <CodeDescription>
4016                         <Title>EURO</Title>
4017                         <Definition>The European legal tender</Definition>
4018                     </CodeDescription>
4019                 </xsd:documentation>
4020             </xsd:annotation>
4021 </xsd:enumeration>
4022 <xsd:enumeration value="USD">
4023             <xsd:annotation>
4024                 <xsd:documentation>
4025                     <CodeDescription>
4026                         <Title>US Dollar</Title>
4027                         <Definition>The legal tender of the USA</Definition>
4028                     </CodeDescription>
4029                 </xsd:documentation>
4030             </xsd:annotation>
4031 </xsd:enumeration>
4032 <xsd:enumeration value="DKK">
4033             <xsd:annotation>
4034                 <xsd:documentation>
4035                     <CodeDescription>
4036                         <Title>Danish Kroner </Title>
4037                         <Definition>The Legal tender of Denmark.</Definition>
4038                     </CodeDescription>
4039                 </xsd:documentation>
4040             </xsd:annotation>
4041 </xsd:enumeration>
4042 <xsd:enumeration value="NOK">
4043             <xsd:annotation>

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4044         <xsd:documentation>
4045             <CodeDescription>
4046                 <Title>Norwegian Kroner </Title>
4047                 <Definition>The Legal tender of Norway.</Definition>
4048             </CodeDescription>
4049         </xsd:documentation>
4050     </xsd:annotation>
4051 </xsd:enumeration>
4052 <xsd:enumeration value="CHF">
4053     <xsd:annotation>
4054         <xsd:documentation>
4055             <CodeDescription>
4056                 <Title>Swiss Franc</Title>
4057                 <Definition>The Legal tender of Switzerland.</Definition>
4058             </CodeDescription>
4059         </xsd:documentation>
4060     </xsd:annotation>
4061 </xsd:enumeration>
4062 <xsd:enumeration value="GBP">
4063     <xsd:annotation>
4064         <xsd:documentation>
4065             <CodeDescription>
4066                 <Title>Pound Sterling</Title>
4067                 <Definition>The Legal tender of the United Kingdom.</Definition>
4068             </CodeDescription>
4069         </xsd:documentation>
4070     </xsd:annotation>
4071 </xsd:enumeration>
4072 <xsd:enumeration value="SEK">
4073     <xsd:annotation>
4074         <xsd:documentation>
4075             <CodeDescription>
4076                 <Title>Swedish kroner</Title>
4077                 <Definition>The Legal tender of Sweden.</Definition>
4078             </CodeDescription>
4079         </xsd:documentation>
4080     </xsd:annotation>
4081 </xsd:enumeration>
4082 <xsd:enumeration value="PLN">
4083     <xsd:annotation>
4084         <xsd:documentation>
4085             <CodeDescription>
4086                 <Title>Polish zloty</Title>
4087                 <Definition>The Legal tender of Poland.</Definition>
4088             </CodeDescription>
4089         </xsd:documentation>
4090     </xsd:annotation>
4091 </xsd:enumeration>
4092 <xsd:enumeration value="CZK">
4093     <xsd:annotation>
4094         <xsd:documentation>
4095             <CodeDescription>
4096                 <Title>Czech Koruna</Title>
4097                 <Definition>The legal tender of the Czech Republic</Definition>
4098             </CodeDescription>
4099         </xsd:documentation>
4100     </xsd:annotation>
4101 </xsd:enumeration>
4102 <xsd:enumeration value="SKK">
4103     <xsd:annotation>
4104         <xsd:documentation>
4105             <CodeDescription>
4106                 <Title>Slovak Koruna</Title>
4107                 <Definition>The legal tender of Slovakia</Definition>
4108             </CodeDescription>
4109         </xsd:documentation>
4110     </xsd:annotation>
4111 </xsd:enumeration>
4112 <xsd:enumeration value="HRK">
4113     <xsd:annotation>
4114         <xsd:documentation>
4115             <CodeDescription>
4116                 <Title>Croatian kuna</Title>
4117                 <Definition>The legal tender of Croatia</Definition>
4118             </CodeDescription>
4119         </xsd:documentation>
4120     </xsd:annotation>
4121 </xsd:enumeration>
4122 <xsd:enumeration value="HUF">
4123     <xsd:annotation>
4124         <xsd:documentation>
4125             <CodeDescription>
4126                 <Title>Hungarian Forint</Title>
4127                 <Definition>The Legal tender of Hungary.</Definition>
4128             </CodeDescription>
4129         </xsd:documentation>
4130     </xsd:annotation>
4131 </xsd:enumeration>
4132 <xsd:enumeration value="TRY">
4133     <xsd:annotation>
4134         <xsd:documentation>
4135             <CodeDescription>
4136                 <Title>New Turkish Lira</Title>
4137                 <Definition>The Legal tender of Turkey.</Definition>
4138             </CodeDescription>
4139         </xsd:documentation>
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4140         </xsd:annotation>
4141     </xsd:enumeration>
4142 </xsd:restriction>
4143 </xsd:simpleType>
4144 <!-- CurveTypeList -->
4145 <xsd:simpleType name="CurveTypeList">
4146     <xsd:annotation>
4147         <xsd:documentation>
4148             <UId>ET0042</UId>
4149             <Definition>The type of curve being defined in the time series.</Definition>
4150         </xsd:documentation>
4151     </xsd:annotation>
4152     <xsd:restriction base="xsd:NMTOKEN">
4153         <xsd:enumeration value="A01">
4154             <xsd:annotation>
4155                 <xsd:documentation>
4156                     <CodeDescription>
4157                         <Title>Sequential fixed size block</Title>
4158                         <Definition>The curve is made of successive Intervals of time (Blocks) of constant duration
4159 (size), where the size of the Blocks is equal to the Resolution of the Period.</Definition>
4160                     </CodeDescription>
4161                 </xsd:documentation>
4162             </xsd:annotation>
4163         </xsd:enumeration>
4164         <xsd:enumeration value="A02">
4165             <xsd:annotation>
4166                 <xsd:documentation>
4167                     <CodeDescription>
4168                         <Title>Point</Title>
4169                         <Definition>The curve is made of successive instants of time (Points).</Definition>
4170                     </CodeDescription>
4171                 </xsd:documentation>
4172             </xsd:annotation>
4173         </xsd:enumeration>
4174         <xsd:enumeration value="A03">
4175             <xsd:annotation>
4176                 <xsd:documentation>
4177                     <CodeDescription>
4178                         <Title>Variable sized Block</Title>
4179                         <Definition>The curve is made of successive Intervals of time (Blocks) of variable duration
4180 (size), where the end date and end time of each Block are equal to the start date and start time of the next Interval. For
4181 the last Block the end date and end time of the last Interval would be equal to EndDateTime of TimeInterval.</Definition>
4182                     </CodeDescription>
4183                 </xsd:documentation>
4184             </xsd:annotation>
4185         </xsd:enumeration>
4186         <xsd:enumeration value="A04">
4187             <xsd:annotation>
4188                 <xsd:documentation>
4189                     <CodeDescription>
4190                         <Title>Overlapping breakpoint</Title>
4191                         <Definition>The curve is made of successive Intervals of time of variable duration (size), where
4192 the end date and end time of each interval are equal to the start date and start time of the next Interval.</Definition>
4193                     </CodeDescription>
4194                 </xsd:documentation>
4195             </xsd:annotation>
4196         </xsd:enumeration>
4197         <xsd:enumeration value="A05">
4198             <xsd:annotation>
4199                 <xsd:documentation>
4200                     <CodeDescription>
4201                         <Title>Non-overlapping breakpoint</Title>
4202                         <Definition>This curve is a restriction of the curve type A04, i.e. overlapping breakpoints. The
4203 restriction is that a single Period is allowed.</Definition>
4204                     </CodeDescription>
4205                 </xsd:documentation>
4206             </xsd:annotation>
4207         </xsd:enumeration>
4208     </xsd:restriction>
4209 </xsd:simpleType>
4210 <!-- DirectionTypeList -->
4211 <xsd:simpleType name="DirectionTypeList">
4212     <xsd:annotation>
4213         <xsd:documentation>
4214             <UId>ET0026</UId>
4215             <Definition>The Coded identification of the direction of energy flow</Definition>
4216         </xsd:documentation>
4217     </xsd:annotation>
4218     <xsd:restriction base="xsd:NMTOKEN">
4219         <xsd:enumeration value="A01">
4220             <xsd:annotation>
4221                 <xsd:documentation>
4222                     <CodeDescription>
4223                         <Title>UP</Title>
4224                         <Definition>Up signifies that the available power can be used by the Purchasing area to increase
4225 energy.</Definition>
4226                     </CodeDescription>
4227                 </xsd:documentation>
4228             </xsd:annotation>
4229         </xsd:enumeration>
4230         <xsd:enumeration value="A02">
4231             <xsd:annotation>
4232                 <xsd:documentation>
4233                     <CodeDescription>
4234                         <Title>DOWN</Title>
4235                         <Definition>Down signifies that the available power can be used by the Purchasing area to decrease

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4236 energy.</Definition>
4237         </CodeDescription>
4238     </xsd:documentation>
4239     </xsd:annotation>
4240 </xsd:enumeration>
4241 <xsd:enumeration value="A03">
4242     <xsd:annotation>
4243         <xsd:documentation>
4244             <CodeDescription>
4245                 <Title>UP and DOWN</Title>
4246                 <Definition>Up and Down signifies that the UP and Down values are equal.</Definition>
4247             </CodeDescription>
4248         </xsd:documentation>
4249     </xsd:annotation>
4250 </xsd:enumeration>
4251 <xsd:enumeration value="A04">
4252     <xsd:annotation>
4253         <xsd:documentation>
4254             <CodeDescription>
4255                 <Title>Stable</Title>
4256                 <Definition>The direction at a given instant in time is considered to be stable.</Definition>
4257             </CodeDescription>
4258         </xsd:documentation>
4259     </xsd:annotation>
4260 </xsd:enumeration>
4261 </xsd:restriction>
4262 </xsd:simpleType>
4263 <!-- EnergyProductTypeList -->
4264 <xsd:simpleType name="EnergyProductTypeList">
4265     <xsd:annotation>
4266         <xsd:documentation>
4267             <UId>ET0008 </UId>
4268             <Definition>The identification of the nature of an energy product such as Power, energy, reactive power,
4269 etc.</Definition>
4270         </xsd:documentation>
4271     </xsd:annotation>
4272     <xsd:restriction base="xsd:NMTOKEN">
4273         <xsd:enumeration value="8716867000016">
4274             <xsd:annotation>
4275                 <xsd:documentation>
4276                     <CodeDescription>
4277                         <Title>Active power</Title>
4278                         <Definition>The product of voltage and the in-phase component of alternating current measured in
4279 units of watts and standard multiples thereof.</Definition>
4280                     </CodeDescription>
4281                 </xsd:documentation>
4282             </xsd:annotation>
4283         </xsd:enumeration>
4284         <xsd:enumeration value="8716867000023">
4285             <xsd:annotation>
4286                 <xsd:documentation>
4287                     <CodeDescription>
4288                         <Title>Reactive power</Title>
4289                         <Definition>The product of voltage and current and the sine of the phase angle between them,
4290 measured in units of voltamperes reactive and standard multiples thereof. (not used for planned schedules).</Definition>
4291                     </CodeDescription>
4292                 </xsd:documentation>
4293             </xsd:annotation>
4294         </xsd:enumeration>
4295         <xsd:enumeration value="8716867000030">
4296             <xsd:annotation>
4297                 <xsd:documentation>
4298                     <CodeDescription>
4299                         <Title>Active energy</Title>
4300                         <Definition>The electrical energy produced, flowing or supplied by an electrical circuit during a
4301 time interval, being the integral with respect to time of instantaneous active power, measured in units of watt-hours, or
4302 standard multiples thereof.</Definition>
4303                     </CodeDescription>
4304                 </xsd:documentation>
4305             </xsd:annotation>
4306         </xsd:enumeration>
4307         <xsd:enumeration value="8716867000047">
4308             <xsd:annotation>
4309                 <xsd:documentation>
4310                     <CodeDescription>
4311                         <Title>Reactive energy</Title>
4312                         <Definition>The integral with respect to time of reactive power. (not used for planned
4313 schedules).</Definition>
4314                     </CodeDescription>
4315                 </xsd:documentation>
4316             </xsd:annotation>
4317         </xsd:enumeration>
4318         <xsd:enumeration value="8716867000139">
4319             <xsd:annotation>
4320                 <xsd:documentation>
4321                     <CodeDescription>
4322                         <Title>Capacitive Reactive energy</Title>
4323                         <Definition>Refer to the ETSO document "Energy product types Active - Reactive - Inductive -
4324 Capacitive"</Definition>
4325                     </CodeDescription>
4326                 </xsd:documentation>
4327             </xsd:annotation>
4328         </xsd:enumeration>
4329         <xsd:enumeration value="8716867000146">
4330             <xsd:annotation>
4331                 <xsd:documentation>

```

```

4332         <CodeDescription>
4333         <Title>Inductive Reactive energy</Title>
4334         <Definition>Refer to the ETSO document "Energy product types Active - Reactive - Inductive -
4335 Capacitive"</Definition>
4336         </CodeDescription>
4337     </xsd:documentation>
4338 </xsd:annotation>
4339 </xsd:enumeration>
4340 <xsd:enumeration value="8716867009911">
4341     <xsd:annotation>
4342         <xsd:documentation>
4343             <CodeDescription>
4344             <Title>Water</Title>
4345             <Definition>For hydro power stations, this enables the identification of the quantity of water
4346 stored behind a dam (volume, head level, etc.), or the constraints in the flow of water.</Definition>
4347             </CodeDescription>
4348         </xsd:documentation>
4349     </xsd:annotation>
4350 </xsd:enumeration>
4351 </xsd:restriction>
4352 </xsd:simpleType>
4353 <!-- EicTypeList -->
4354 <xsd:simpleType name="EicTypeList">
4355     <xsd:annotation>
4356         <xsd:documentation>
4357             <UId>ET0028</UId>
4358             <Definition>The coded identification of the type of an EIC code.</Definition>
4359         </xsd:documentation>
4360     </xsd:annotation>
4361     <xsd:restriction base="xsd:NMTOKEN">
4362         <xsd:enumeration value="T">
4363             <xsd:annotation>
4364                 <xsd:documentation>
4365                     <CodeDescription>
4366                     <Title>Tieline</Title>
4367                     <Definition>An EIC code to identify tielines.</Definition>
4368                     </CodeDescription>
4369                 </xsd:documentation>
4370             </xsd:annotation>
4371         </xsd:enumeration>
4372         <xsd:enumeration value="V">
4373             <xsd:annotation>
4374                 <xsd:documentation>
4375                     <CodeDescription>
4376                     <Title>Location</Title>
4377                     <Definition>An EIC code to identify locations.</Definition>
4378                     </CodeDescription>
4379                 </xsd:documentation>
4380             </xsd:annotation>
4381         </xsd:enumeration>
4382         <xsd:enumeration value="W">
4383             <xsd:annotation>
4384                 <xsd:documentation>
4385                     <CodeDescription>
4386                     <Title>Resource Object</Title>
4387                     <Definition>An EIC code to identify resource objects.</Definition>
4388                     </CodeDescription>
4389                 </xsd:documentation>
4390             </xsd:annotation>
4391         </xsd:enumeration>
4392         <xsd:enumeration value="X">
4393             <xsd:annotation>
4394                 <xsd:documentation>
4395                     <CodeDescription>
4396                     <Title>Party</Title>
4397                     <Definition>An EIC code to identify parties.</Definition>
4398                     </CodeDescription>
4399                 </xsd:documentation>
4400             </xsd:annotation>
4401         </xsd:enumeration>
4402         <xsd:enumeration value="Y">
4403             <xsd:annotation>
4404                 <xsd:documentation>
4405                     <CodeDescription>
4406                     <Title>Area or Domain</Title>
4407                     <Definition>An EIC code to identify areas or domains.</Definition>
4408                     </CodeDescription>
4409                 </xsd:documentation>
4410             </xsd:annotation>
4411         </xsd:enumeration>
4412         <xsd:enumeration value="Z">
4413             <xsd:annotation>
4414                 <xsd:documentation>
4415                     <CodeDescription>
4416                     <Title>Measurement point</Title>
4417                     <Definition>An EIC code to identify measurement points.</Definition>
4418                     </CodeDescription>
4419                 </xsd:documentation>
4420             </xsd:annotation>
4421         </xsd:enumeration>
4422     </xsd:restriction>
4423 </xsd:simpleType>
4424 <!-- IndicatorTypeList -->
4425 <xsd:simpleType name="IndicatorTypeList">
4426     <xsd:annotation>
4427         <xsd:documentation>

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4428         <Uid>ET0029</Uid>
4429         <Definition>A boolean indicator to express Yes or No or True or False</Definition>
4430     </xsd:documentation>
4431 </xsd:annotation>
4432 <xsd:restriction base="xsd:NMTOKEN">
4433     <xsd:enumeration value="A01">
4434         <xsd:annotation>
4435             <xsd:documentation>
4436                 <CodeDescription>
4437                     <Title>YES</Title>
4438                     <Definition>A positive indication</Definition>
4439                 </CodeDescription>
4440             </xsd:documentation>
4441         </xsd:annotation>
4442     </xsd:enumeration>
4443     <xsd:enumeration value="A02">
4444         <xsd:annotation>
4445             <xsd:documentation>
4446                 <CodeDescription>
4447                     <Title>NO</Title>
4448                     <Definition>A negative indication.</Definition>
4449                 </CodeDescription>
4450             </xsd:documentation>
4451         </xsd:annotation>
4452     </xsd:enumeration>
4453 </xsd:restriction>
4454 </xsd:simpleType>
4455 <!-- _____ MessageTypeIdList _____ -->
4456 <xsd:simpleType name="MessageTypeIdList">
4457     <xsd:annotation>
4458         <xsd:documentation>
4459             <Uid>ET0003 </Uid>
4460             <Definition> (Synonym "Document Type") The coded type of a document. The document type describes the principal
4461 characteristic of a document</Definition>
4462         </xsd:documentation>
4463     </xsd:annotation>
4464     <xsd:restriction base="xsd:NMTOKEN">
4465         <xsd:enumeration value="A01">
4466             <xsd:annotation>
4467                 <xsd:documentation>
4468                     <CodeDescription>
4469                         <Title>Balance responsible schedule</Title>
4470                         <Definition>A schedule which has been prepared by a balance responsible party providing planned
4471 schedule information.</Definition>
4472                     </CodeDescription>
4473                 </xsd:documentation>
4474             </xsd:annotation>
4475         </xsd:enumeration>
4476         <xsd:enumeration value="A02">
4477             <xsd:annotation>
4478                 <xsd:documentation>
4479                     <CodeDescription>
4480                         <Title>Allocated capacity schedule</Title>
4481                         <Definition>A schedule which has been prepared by a capacity allocator providing allocated
4482 capacity.</Definition>
4483                     </CodeDescription>
4484                 </xsd:documentation>
4485             </xsd:annotation>
4486         </xsd:enumeration>
4487         <xsd:enumeration value="A03">
4488             <xsd:annotation>
4489                 <xsd:documentation>
4490                     <CodeDescription>
4491                         <Title>Balance area schedule</Title>
4492                         <Definition>A schedule that provides the planned schedule information for a balance
4493 area.</Definition>
4494                     </CodeDescription>
4495                 </xsd:documentation>
4496             </xsd:annotation>
4497         </xsd:enumeration>
4498         <xsd:enumeration value="A04">
4499             <xsd:annotation>
4500                 <xsd:documentation>
4501                     <CodeDescription>
4502                         <Title>System Operator area schedule</Title>
4503                         <Definition>A compilation of all external schedules concerning two System Operator areas of all
4504 balance responsible parties.</Definition>
4505                     </CodeDescription>
4506                 </xsd:documentation>
4507             </xsd:annotation>
4508         </xsd:enumeration>
4509         <xsd:enumeration value="A05">
4510             <xsd:annotation>
4511                 <xsd:documentation>
4512                     <CodeDescription>
4513                         <Title>Control block area schedule</Title>
4514                         <Definition>A compilation of all the exchange programs of all control areas for one control block
4515 with all neighbouring control areas of a neighbouring control block.</Definition>
4516                     </CodeDescription>
4517                 </xsd:documentation>
4518             </xsd:annotation>
4519         </xsd:enumeration>
4520         <xsd:enumeration value="A06">
4521             <xsd:annotation>
4522                 <xsd:documentation>
4523                     <CodeDescription>

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4524         <Title>Coordination center area schedule</Title>
4525         <Definition>A compilation of the exchange programs of all exchange blocks divided into UCTE south
4526 and north.</Definition>
4527         </CodeDescription>
4528         </xsd:documentation>
4529         </xsd:annotation>
4530     </xsd:enumeration>
4531     <xsd:enumeration value="A07">
4532         <xsd:annotation>
4533             <xsd:documentation>
4534                 <CodeDescription>
4535                     <Title>Intermediate confirmation report</Title>
4536                     <Definition>An intermediate confirmation report that may be produced between final
4537 cutoffs.</Definition>
4538                 </CodeDescription>
4539                 </xsd:documentation>
4540             </xsd:annotation>
4541         </xsd:enumeration>
4542     <xsd:enumeration value="A08">
4543         <xsd:annotation>
4544             <xsd:documentation>
4545                 <CodeDescription>
4546                     <Title>Final confirmation report</Title>
4547                     <Definition>A final confirmation report that is produced after a final cutoff.</Definition>
4548                 </CodeDescription>
4549             </xsd:documentation>
4550         </xsd:annotation>
4551     </xsd:enumeration>
4552     <xsd:enumeration value="A09">
4553         <xsd:annotation>
4554             <xsd:documentation>
4555                 <CodeDescription>
4556                     <Title>Finalised schedule</Title>
4557                     <Definition>A compilation of a set of schedules that have been finalized after a given
4558 cutoff.</Definition>
4559                 </CodeDescription>
4560                 </xsd:documentation>
4561             </xsd:annotation>
4562         </xsd:enumeration>
4563     <xsd:enumeration value="A10">
4564         <xsd:annotation>
4565             <xsd:documentation>
4566                 <CodeDescription>
4567                     <Title>Regulation data report</Title>
4568                     <Definition>A compilation of the time series employed on a given day to ensure the balance of the
4569 system.</Definition>
4570                 </CodeDescription>
4571                 </xsd:documentation>
4572             </xsd:annotation>
4573         </xsd:enumeration>
4574     <xsd:enumeration value="A11">
4575         <xsd:annotation>
4576             <xsd:documentation>
4577                 <CodeDescription>
4578                     <Title>Aggregated energy data report</Title>
4579                     <Definition>A compilation of the time series of all the meter readings or their equivalent for a
4580 given period.</Definition>
4581                 </CodeDescription>
4582                 </xsd:documentation>
4583             </xsd:annotation>
4584         </xsd:enumeration>
4585     <xsd:enumeration value="A12">
4586         <xsd:annotation>
4587             <xsd:documentation>
4588                 <CodeDescription>
4589                     <Title>Imbalance report</Title>
4590                     <Definition>The report containing the complete situation of a given period for a party and
4591 including the schedules, regulation data and actual or calculated readings.</Definition>
4592                 </CodeDescription>
4593             </xsd:documentation>
4594         </xsd:annotation>
4595     </xsd:enumeration>
4596     <xsd:enumeration value="A13">
4597         <xsd:annotation>
4598             <xsd:documentation>
4599                 <CodeDescription>
4600                     <Title>Interconnection Capacity</Title>
4601                     <Definition>Document for cross-border capacity exchanges</Definition>
4602                 </CodeDescription>
4603             </xsd:documentation>
4604         </xsd:annotation>
4605     </xsd:enumeration>
4606     <xsd:enumeration value="A14">
4607         <xsd:annotation>
4608             <xsd:documentation>
4609                 <CodeDescription>
4610                     <Title>Resource Provider Resource Schedule</Title>
4611                     <Definition>A document providing the schedules for resource objects submitted by a resource
4612 provider</Definition>
4613                 </CodeDescription>
4614                 </xsd:documentation>
4615             </xsd:annotation>
4616         </xsd:enumeration>
4617     <xsd:enumeration value="A15">
4618         <xsd:annotation>
4619             <xsd:documentation>

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4620         <CodeDescription>
4621             <Title>Acquiring System Operator Reserve Schedule</Title>
4622             <Definition>A document providing reserve purchases submitted by an Acquiring System
4623 Operator</Definition>
4624         </CodeDescription>
4625     </xsd:documentation>
4626 </xsd:annotation>
4627 </xsd:enumeration>
4628 <xsd:enumeration value="A16">
4629     <xsd:annotation>
4630         <xsd:documentation>
4631             <CodeDescription>
4632                 <Title>Anomaly Report</Title>
4633                 <Definition>A document providing anomaly information for the receiving party to
4634 correct.</Definition>
4635             </CodeDescription>
4636         </xsd:documentation>
4637     </xsd:annotation>
4638 </xsd:enumeration>
4639 <xsd:enumeration value="A17">
4640     <xsd:annotation>
4641         <xsd:documentation>
4642             <CodeDescription>
4643                 <Title>Acknowledgement Document</Title>
4644                 <Definition>A document providing acknowledgement information.</Definition>
4645             </CodeDescription>
4646         </xsd:documentation>
4647     </xsd:annotation>
4648 </xsd:enumeration>
4649 <xsd:enumeration value="A18">
4650     <xsd:annotation>
4651         <xsd:documentation>
4652             <CodeDescription>
4653                 <Title>Confirmation report</Title>
4654                 <Definition>A document providing confirmation information.</Definition>
4655             </CodeDescription>
4656         </xsd:documentation>
4657     </xsd:annotation>
4658 </xsd:enumeration>
4659 <xsd:enumeration value="A19">
4660     <xsd:annotation>
4661         <xsd:documentation>
4662             <CodeDescription>
4663                 <Title>Capacity for Resale</Title>
4664                 <Definition>A document providing information about capacity for resale</Definition>
4665             </CodeDescription>
4666         </xsd:documentation>
4667     </xsd:annotation>
4668 </xsd:enumeration>
4669 <xsd:enumeration value="A20">
4670     <xsd:annotation>
4671         <xsd:documentation>
4672             <CodeDescription>
4673                 <Title>Approved Capacity Transfer</Title>
4674                 <Definition>A document to approve a capacity transfer</Definition>
4675             </CodeDescription>
4676         </xsd:documentation>
4677     </xsd:annotation>
4678 </xsd:enumeration>
4679 <xsd:enumeration value="A21">
4680     <xsd:annotation>
4681         <xsd:documentation>
4682             <CodeDescription>
4683                 <Title>Capacity transfer notification</Title>
4684                 <Definition>A document notifying a capacity transfer</Definition>
4685             </CodeDescription>
4686         </xsd:documentation>
4687     </xsd:annotation>
4688 </xsd:enumeration>
4689 <xsd:enumeration value="A22">
4690     <xsd:annotation>
4691         <xsd:documentation>
4692             <CodeDescription>
4693                 <Title>Transmission rights portfolio</Title>
4694                 <Definition>A document providing the portfolio of the transmission capacity rights of a market
4695 participant</Definition>
4696             </CodeDescription>
4697         </xsd:documentation>
4698     </xsd:annotation>
4699 </xsd:enumeration>
4700 <xsd:enumeration value="A23">
4701     <xsd:annotation>
4702         <xsd:documentation>
4703             <CodeDescription>
4704                 <Title>Allocations</Title>
4705                 <Definition>A document providing the capacity allocations for a border</Definition>
4706             </CodeDescription>
4707         </xsd:documentation>
4708     </xsd:annotation>
4709 </xsd:enumeration>
4710 <xsd:enumeration value="A24">
4711     <xsd:annotation>
4712         <xsd:documentation>
4713             <CodeDescription>
4714                 <Title>Bid document</Title>
4715                 <Definition>A document providing bid information</Definition>

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4716         </CodeDescription>
4717     </xsd:documentation>
4718 </xsd:annotation>
4719 </xsd:enumeration>
4720 <xsd:enumeration value="A25">
4721     <xsd:annotation>
4722         <xsd:documentation>
4723             <CodeDescription>
4724                 <Title>Allocation result document</Title>
4725                 <Definition>A document providing the allocation results of an auction</Definition>
4726             </CodeDescription>
4727         </xsd:documentation>
4728     </xsd:annotation>
4729 </xsd:enumeration>
4730 <xsd:enumeration value="A26">
4731     <xsd:annotation>
4732         <xsd:documentation>
4733             <CodeDescription>
4734                 <Title>Capacity document</Title>
4735                 <Definition>A document providing capacity information</Definition>
4736             </CodeDescription>
4737         </xsd:documentation>
4738     </xsd:annotation>
4739 </xsd:enumeration>
4740 <xsd:enumeration value="A27">
4741     <xsd:annotation>
4742         <xsd:documentation>
4743             <CodeDescription>
4744                 <Title>Rights document</Title>
4745                 <Definition>A document providing transmission capacity rights information</Definition>
4746             </CodeDescription>
4747         </xsd:documentation>
4748     </xsd:annotation>
4749 </xsd:enumeration>
4750 <xsd:enumeration value="A28">
4751     <xsd:annotation>
4752         <xsd:documentation>
4753             <CodeDescription>
4754                 <Title>Generation availability schedule</Title>
4755                 <Definition>This document contains information related to energy availability.</Definition>
4756             </CodeDescription>
4757         </xsd:documentation>
4758     </xsd:annotation>
4759 </xsd:enumeration>
4760 <xsd:enumeration value="A30">
4761     <xsd:annotation>
4762         <xsd:documentation>
4763             <CodeDescription>
4764                 <Title>Cross border schedule</Title>
4765                 <Definition>This document contains the cross border schedules for all the borders of a given
4766 country where energy is exchanged.</Definition>
4767             </CodeDescription>
4768         </xsd:documentation>
4769     </xsd:annotation>
4770 </xsd:enumeration>
4771 <xsd:enumeration value="A31">
4772     <xsd:annotation>
4773         <xsd:documentation>
4774             <CodeDescription>
4775                 <Title>Agreed capacity</Title>
4776                 <Definition>The capacity agreed between parties</Definition>
4777             </CodeDescription>
4778         </xsd:documentation>
4779     </xsd:annotation>
4780 </xsd:enumeration>
4781 <xsd:enumeration value="A32">
4782     <xsd:annotation>
4783         <xsd:documentation>
4784             <CodeDescription>
4785                 <Title>Proposed capacity</Title>
4786                 <Definition>The capacity proposed for agreement between parties</Definition>
4787             </CodeDescription>
4788         </xsd:documentation>
4789     </xsd:annotation>
4790 </xsd:enumeration>
4791 <xsd:enumeration value="A33">
4792     <xsd:annotation>
4793         <xsd:documentation>
4794             <CodeDescription>
4795                 <Title>System vertical load</Title>
4796                 <Definition>The sum of all flows out of the transmission grid via directly connected transformers
4797 and lines to distribution grids and end consumers as known by the System Operator.</Definition>
4798             </CodeDescription>
4799         </xsd:documentation>
4800     </xsd:annotation>
4801 </xsd:enumeration>
4802 <xsd:enumeration value="A34">
4803     <xsd:annotation>
4804         <xsd:documentation>
4805             <CodeDescription>
4806                 <Title>Escalation document</Title>
4807                 <Definition>A document which requesting the escalation of a situation</Definition>
4808             </CodeDescription>
4809         </xsd:documentation>
4810     </xsd:annotation>
4811 </xsd:enumeration>

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4812         <xsd:enumeration value="A35">
4813             <xsd:annotation>
4814                 <xsd:documentation>
4815                     <CodeDescription>
4816                         <Title>Trouble shooting document</Title>
4817                         <Definition>A document providing trouble shooting information for the resolution of a
4818 problem</Definition>
4819                     </CodeDescription>
4820                 </xsd:documentation>
4821             </xsd:annotation>
4822         </xsd:enumeration>
4823         <xsd:enumeration value="A36">
4824             <xsd:annotation>
4825                 <xsd:documentation>
4826                     <CodeDescription>
4827                         <Title>Deactivation document</Title>
4828                         <Definition>The capacity proposed for agreement between parties</Definition>
4829                     </CodeDescription>
4830                 </xsd:documentation>
4831             </xsd:annotation>
4832         </xsd:enumeration>
4833         <xsd:enumeration value="A37">
4834             <xsd:annotation>
4835                 <xsd:documentation>
4836                     <CodeDescription>
4837                         <Title>Reserve tender document</Title>
4838                         <Definition>The document that is used for the tendering for reserves within the ERRP
4839 process</Definition>
4840                     </CodeDescription>
4841                 </xsd:documentation>
4842             </xsd:annotation>
4843         </xsd:enumeration>
4844         <xsd:enumeration value="A38">
4845             <xsd:annotation>
4846                 <xsd:documentation>
4847                     <CodeDescription>
4848                         <Title>Reserve Allocation Result Document</Title>
4849                         <Definition>The document used to provide the results of a Reserve auction.</Definition>
4850                     </CodeDescription>
4851                 </xsd:documentation>
4852             </xsd:annotation>
4853         </xsd:enumeration>
4854         <xsd:enumeration value="A39">
4855             <xsd:annotation>
4856                 <xsd:documentation>
4857                     <CodeDescription>
4858                         <Title>SATCR activation</Title>
4859                         <Definition>The document is used to provide the activation of reserves through the SATCR
4860 process.</Definition>
4861                     </CodeDescription>
4862                 </xsd:documentation>
4863             </xsd:annotation>
4864         </xsd:enumeration>
4865         <xsd:enumeration value="A40">
4866             <xsd:annotation>
4867                 <xsd:documentation>
4868                     <CodeDescription>
4869                         <Title>DATCR activation</Title>
4870                         <Definition>The document is used to provide the activation of reserves through the DATCR
4871 process.</Definition>
4872                     </CodeDescription>
4873                 </xsd:documentation>
4874             </xsd:annotation>
4875         </xsd:enumeration>
4876         <xsd:enumeration value="A41">
4877             <xsd:annotation>
4878                 <xsd:documentation>
4879                     <CodeDescription>
4880                         <Title>Activation response</Title>
4881                         <Definition>The document is used to provide a response to a request to activate
4882 reserves.</Definition>
4883                     </CodeDescription>
4884                 </xsd:documentation>
4885             </xsd:annotation>
4886         </xsd:enumeration>
4887         <xsd:enumeration value="A42">
4888             <xsd:annotation>
4889                 <xsd:documentation>
4890                     <CodeDescription>
4891                         <Title>Tender reduction</Title>
4892                         <Definition>The document is used to provide information concerning the reduction of a previously
4893 submitted tender</Definition>
4894                     </CodeDescription>
4895                 </xsd:documentation>
4896             </xsd:annotation>
4897         </xsd:enumeration>
4898         <xsd:enumeration value="A43">
4899             <xsd:annotation>
4900                 <xsd:documentation>
4901                     <CodeDescription>
4902                         <Title>MOL Document</Title>
4903                         <Definition>The document is used to provide Merit Order List information.</Definition>
4904                     </CodeDescription>
4905                 </xsd:documentation>
4906             </xsd:annotation>
4907         </xsd:enumeration>

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4908         <xsd:enumeration value="A44">
4909             <xsd:annotation>
4910                 <xsd:documentation>
4911                     <CodeDescription>
4912                         <Title>Price Document</Title>
4913                         <Definition>The document is used to provide market spot price information.</Definition>
4914                     </CodeDescription>
4915                 </xsd:documentation>
4916             </xsd:annotation>
4917         </xsd:enumeration>
4918         <xsd:enumeration value="A45">
4919             <xsd:annotation>
4920                 <xsd:documentation>
4921                     <CodeDescription>
4922                         <Title>Measurement Value Document</Title>
4923                         <Definition>The document is used to provide measurement information from measurement
4924 devices.</Definition>
4925                     </CodeDescription>
4926                 </xsd:documentation>
4927             </xsd:annotation>
4928         </xsd:enumeration>
4929         <xsd:enumeration value="A46">
4930             <xsd:annotation>
4931                 <xsd:documentation>
4932                     <CodeDescription>
4933                         <Title>SOAM Document</Title>
4934                         <Definition>The document is used to provide system operator accounting data for
4935 matching.</Definition>
4936                     </CodeDescription>
4937                 </xsd:documentation>
4938             </xsd:annotation>
4939         </xsd:enumeration>
4940         <xsd:enumeration value="A47">
4941             <xsd:annotation>
4942                 <xsd:documentation>
4943                     <CodeDescription>
4944                         <Title>SOVA Document</Title>
4945                         <Definition>The document is used to provide system operator validated accounting
4946 data.</Definition>
4947                     </CodeDescription>
4948                 </xsd:documentation>
4949             </xsd:annotation>
4950         </xsd:enumeration>
4951         <xsd:enumeration value="A48">
4952             <xsd:annotation>
4953                 <xsd:documentation>
4954                     <CodeDescription>
4955                         <Title>CCVA Document</Title>
4956                         <Definition>The document is used to provide coordination center validated accounting
4957 data.</Definition>
4958                     </CodeDescription>
4959                 </xsd:documentation>
4960             </xsd:annotation>
4961         </xsd:enumeration>
4962         <xsd:enumeration value="A49">
4963             <xsd:annotation>
4964                 <xsd:documentation>
4965                     <CodeDescription>
4966                         <Title>Daily settlement document</Title>
4967                         <Definition>The document is used to provide daily settlement information.</Definition>
4968                     </CodeDescription>
4969                 </xsd:documentation>
4970             </xsd:annotation>
4971         </xsd:enumeration>
4972         <xsd:enumeration value="A50">
4973             <xsd:annotation>
4974                 <xsd:documentation>
4975                     <CodeDescription>
4976                         <Title>Weekly settlement document</Title>
4977                         <Definition>The document is used to provide weekly settlement information.</Definition>
4978                     </CodeDescription>
4979                 </xsd:documentation>
4980             </xsd:annotation>
4981         </xsd:enumeration>
4982         <xsd:enumeration value="A51">
4983             <xsd:annotation>
4984                 <xsd:documentation>
4985                     <CodeDescription>
4986                         <Title>Capacity Auction Specification Document</Title>
4987                         <Definition>The document is used to provide capacity auction specification
4988 information.</Definition>
4989                     </CodeDescription>
4990                 </xsd:documentation>
4991             </xsd:annotation>
4992         </xsd:enumeration>
4993         <xsd:enumeration value="A52">
4994             <xsd:annotation>
4995                 <xsd:documentation>
4996                     <CodeDescription>
4997                         <Title>Market Coupling Results Document</Title>
4998                         <Definition>The document is used to provide the results of a market coupling auction.</Definition>
4999                     </CodeDescription>
5000                 </xsd:documentation>
5001             </xsd:annotation>
5002         </xsd:enumeration>
5003         <xsd:enumeration value="A53">

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5004         <xsd:annotation>
5005             <xsd:documentation>
5006                 <CodeDescription>
5007                     <Title>Outage publication Document</Title>
5008                     <Definition>The document is used to provide the outage information for publication.</Definition>
5009                 </CodeDescription>
5010             </xsd:documentation>
5011         </xsd:annotation>
5012     </xsd:enumeration>
5013     <xsd:enumeration value="A54">
5014         <xsd:annotation>
5015             <xsd:documentation>
5016                 <CodeDescription>
5017                     <Title>Forced generation outage Document</Title>
5018                     <Definition>A document providing information on forced generation outages.</Definition>
5019                 </CodeDescription>
5020             </xsd:documentation>
5021         </xsd:annotation>
5022     </xsd:enumeration>
5023     <xsd:enumeration value="A55">
5024         <xsd:annotation>
5025             <xsd:documentation>
5026                 <CodeDescription>
5027                     <Title>Summarised Market Schedule</Title>
5028                     <Definition>A compilation of all external schedules concerning two Market Balance Areas of all
5029 balance responsible parties.</Definition>
5030                 </CodeDescription>
5031             </xsd:documentation>
5032         </xsd:annotation>
5033     </xsd:enumeration>
5034     <xsd:enumeration value="A56">
5035         <xsd:annotation>
5036             <xsd:documentation>
5037                 <CodeDescription>
5038                     <Title>Compensation Program Schedule</Title>
5039                     <Definition>A schedule that provides the schedule information for the compensation of unintended
5040 deviation.</Definition>
5041                 </CodeDescription>
5042             </xsd:documentation>
5043         </xsd:annotation>
5044     </xsd:enumeration>
5045     <xsd:enumeration value="A57">
5046         <xsd:annotation>
5047             <xsd:documentation>
5048                 <CodeDescription>
5049                     <Title>Load Frequency Control Program Schedule</Title>
5050                     <Definition>A schedule that provides the schedule information for the Load Frequency Control
5051 Program of a Control Area or a Control Block.</Definition>
5052                 </CodeDescription>
5053             </xsd:documentation>
5054         </xsd:annotation>
5055     </xsd:enumeration>
5056     <xsd:enumeration value="A58">
5057         <xsd:annotation>
5058             <xsd:documentation>
5059                 <CodeDescription>
5060                     <Title>Timeframe Independent Schedule</Title>
5061                     <Definition>A compilation of all external Timeframe Independent Schedules concerning two System
5062 Operators.</Definition>
5063                 </CodeDescription>
5064             </xsd:documentation>
5065         </xsd:annotation>
5066     </xsd:enumeration>
5067     <xsd:enumeration value="A59">
5068         <xsd:annotation>
5069             <xsd:documentation>
5070                 <CodeDescription>
5071                     <Title>Status request for a status within a process</Title>
5072                     <Definition>A status request being made concerning the status of information within the context of
5073 a specific ongoing process.</Definition>
5074                 </CodeDescription>
5075             </xsd:documentation>
5076         </xsd:annotation>
5077     </xsd:enumeration>
5078     <xsd:enumeration value="A60">
5079         <xsd:annotation>
5080             <xsd:documentation>
5081                 <CodeDescription>
5082                     <Title>status request for a position independently from a specific process</Title>
5083                     <Definition>A status request concerning the position of an object independently of any ongoing
5084 processes.</Definition>
5085                 </CodeDescription>
5086             </xsd:documentation>
5087         </xsd:annotation>
5088     </xsd:enumeration>
5089     <xsd:enumeration value="A61">
5090         <xsd:annotation>
5091             <xsd:documentation>
5092                 <CodeDescription>
5093                     <Title>Estimated Net Transfer Capacity</Title>
5094                     <Definition>The estimated net transfer capacity for a given border.</Definition>
5095                 </CodeDescription>
5096             </xsd:documentation>
5097         </xsd:annotation>
5098     </xsd:enumeration>
5099     <xsd:enumeration value="A62">

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5100         <xsd:annotation>
5101             <xsd:documentation>
5102                 <CodeDescription>
5103                     <Title>Compensation rights</Title>
5104                     <Definition>The capacity rights that have been allocated as compensation.</Definition>
5105                 </CodeDescription>
5106             </xsd:documentation>
5107         </xsd:annotation>
5108     </xsd:enumeration>
5109     <xsd:enumeration value="A63">
5110         <xsd:annotation>
5111             <xsd:documentation>
5112                 <CodeDescription>
5113                     <Title>Redispatch notice</Title>
5114                     <Definition>A notice to confirm the actions agreed between System Operators to resolve a
5115 congestion situation through redispatch.</Definition>
5116                 </CodeDescription>
5117             </xsd:documentation>
5118         </xsd:annotation>
5119     </xsd:enumeration>
5120     <xsd:enumeration value="A64">
5121         <xsd:annotation>
5122             <xsd:documentation>
5123                 <CodeDescription>
5124                     <Title>Reduction response</Title>
5125                     <Definition>A response to a tender reduction request that provides corrections to the initial
5126 document.</Definition>
5127                 </CodeDescription>
5128             </xsd:documentation>
5129         </xsd:annotation>
5130     </xsd:enumeration>
5131     <xsd:enumeration value="A65">
5132         <xsd:annotation>
5133             <xsd:documentation>
5134                 <CodeDescription>
5135                     <Title>System total load</Title>
5136                     <Definition>Total load', including losses without power used for energy storage, is equal to
5137 generation deducted with exports, added with imports and deducted with power used for energy storage.</Definition>
5138                 </CodeDescription>
5139             </xsd:documentation>
5140         </xsd:annotation>
5141     </xsd:enumeration>
5142 </xsd:restriction>
5143 </xsd:simpleType>
5144 <!-- ObjectAggregationTypeList ----- -->
5145 <xsd:simpleType name="ObjectAggregationTypeList">
5146     <xsd:annotation>
5147         <xsd:documentation>
5148             <Uid>ET0018</Uid>
5149             <Definition>The identification of the domain that is the common dominator used to aggregate a time
5150 series.</Definition>
5151         </xsd:documentation>
5152     </xsd:annotation>
5153     <xsd:restriction base="xsd:NMTOKEN">
5154         <xsd:enumeration value="A01">
5155             <xsd:annotation>
5156                 <xsd:documentation>
5157                     <CodeDescription>
5158                         <Title>Area</Title>
5159                         <Definition>The object being described concerns an area.</Definition>
5160                     </CodeDescription>
5161                 </xsd:documentation>
5162             </xsd:annotation>
5163         </xsd:enumeration>
5164         <xsd:enumeration value="A02">
5165             <xsd:annotation>
5166                 <xsd:documentation>
5167                     <CodeDescription>
5168                         <Title>Metering point</Title>
5169                         <Definition>The object being described concerns a metering point.</Definition>
5170                     </CodeDescription>
5171                 </xsd:documentation>
5172             </xsd:annotation>
5173         </xsd:enumeration>
5174         <xsd:enumeration value="A03">
5175             <xsd:annotation>
5176                 <xsd:documentation>
5177                     <CodeDescription>
5178                         <Title>Party</Title>
5179                         <Definition>The object being described concerns a party.</Definition>
5180                     </CodeDescription>
5181                 </xsd:documentation>
5182             </xsd:annotation>
5183         </xsd:enumeration>
5184         <xsd:enumeration value="A04">
5185             <xsd:annotation>
5186                 <xsd:documentation>
5187                     <CodeDescription>
5188                         <Title>Agreement Identification</Title>
5189                         <Definition>The object being described concerns an agreement identification</Definition>
5190                     </CodeDescription>
5191                 </xsd:documentation>
5192             </xsd:annotation>
5193         </xsd:enumeration>
5194         <xsd:enumeration value="A05">
5195             <xsd:annotation>

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5196         <xsd:documentation>
5197             <CodeDescription>
5198                 <Title>Accounting point</Title>
5199                 <Definition>The object being described concerns an accounting point</Definition>
5200             </CodeDescription>
5201         </xsd:documentation>
5202     </xsd:annotation>
5203 </xsd:enumeration>
5204 <xsd:enumeration value="A06">
5205     <xsd:annotation>
5206         <xsd:documentation>
5207             <CodeDescription>
5208                 <Title>Resource Object</Title>
5209                 <Definition>The object being described concerns a resource object</Definition>
5210             </CodeDescription>
5211         </xsd:documentation>
5212     </xsd:annotation>
5213 </xsd:enumeration>
5214 <xsd:enumeration value="A07">
5215     <xsd:annotation>
5216         <xsd:documentation>
5217             <CodeDescription>
5218                 <Title>Tieline</Title>
5219                 <Definition>The object being described concerns a tieline</Definition>
5220             </CodeDescription>
5221         </xsd:documentation>
5222     </xsd:annotation>
5223 </xsd:enumeration>
5224 </xsd:restriction>
5225 </xsd:simpleType>
5226 <!-- PaymentTermsTypeList -->
5227 <xsd:simpleType name="PaymentTermsTypeList">
5228     <xsd:annotation>
5229         <xsd:documentation>
5230             <UId>ET0041</UId>
5231             <Definition>The identification of the domain that is the common dominator used to aggregate a time
5232 series.</Definition>
5233         </xsd:documentation>
5234     </xsd:annotation>
5235     <xsd:restriction base="xsd:NMTOKEN">
5236         <xsd:enumeration value="A01">
5237             <xsd:annotation>
5238                 <xsd:documentation>
5239                     <CodeDescription>
5240                         <Title>Pay as bid</Title>
5241                         <Definition>The amount to be paid shall correspond to the amount bid.</Definition>
5242                     </CodeDescription>
5243                 </xsd:documentation>
5244             </xsd:annotation>
5245 </xsd:enumeration>
5246 <xsd:enumeration value="A02">
5247             <xsd:annotation>
5248                 <xsd:documentation>
5249                     <CodeDescription>
5250                         <Title>Pay as cleared</Title>
5251                         <Definition>The amount to be paid shall correspond to the amount calculated for
5252 clearing.</Definition>
5253                     </CodeDescription>
5254                 </xsd:documentation>
5255             </xsd:annotation>
5256 </xsd:enumeration>
5257 <xsd:enumeration value="A03">
5258             <xsd:annotation>
5259                 <xsd:documentation>
5260                     <CodeDescription>
5261                         <Title>No payment terms</Title>
5262                         <Definition>There are no payment terms to be used.</Definition>
5263                     </CodeDescription>
5264                 </xsd:documentation>
5265             </xsd:annotation>
5266 </xsd:enumeration>
5267 </xsd:restriction>
5268 </xsd:simpleType>
5269 <!-- Price Category -->
5270 <xsd:simpleType name="PriceCategoryTypeList">
5271     <xsd:annotation>
5272         <xsd:documentation>
5273             <UId>ET0048</UId>
5274             <Definition>Indicates the category of the calculation to be applied to a price.</Definition>
5275         </xsd:documentation>
5276     </xsd:annotation>
5277     <xsd:restriction base="xsd:NMTOKEN">
5278         <xsd:enumeration value="A01">
5279             <xsd:annotation>
5280                 <xsd:documentation>
5281                     <CodeDescription>
5282                         <Title>Category 1</Title>
5283                         <Definition>A category one price calculation is to be applied.</Definition>
5284                     </CodeDescription>
5285                 </xsd:documentation>
5286             </xsd:annotation>
5287 </xsd:enumeration>
5288 <xsd:enumeration value="A02">
5289             <xsd:annotation>
5290                 <xsd:documentation>
5291                     <CodeDescription>

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5292         <Title>Category 2</Title>
5293         <Definition>A category two price calculation is to be applied.</Definition>
5294     </CodeDescription>
5295 </xsd:documentation>
5296 </xsd:annotation>
5297 </xsd:enumeration>
5298 <xsd:enumeration value="A03">
5299     <xsd:annotation>
5300         <xsd:documentation>
5301             <CodeDescription>
5302                 <Title>Category 3</Title>
5303                 <Definition>A category three price calculation is to be applied.</Definition>
5304             </CodeDescription>
5305         </xsd:documentation>
5306     </xsd:annotation>
5307 </xsd:enumeration>
5308 </xsd:restriction>
5309 </xsd:simpleType>
5310 <!-- _____ PriceDirectionTypeList _____ -->
5311 <xsd:simpleType name="PriceDirectionTypeList">
5312     <xsd:annotation>
5313         <xsd:documentation>
5314             <UId>ET0049</UId>
5315             <Definition>The nature of a price (i.e.an Impacted Area System Operator pays to internal Market Parties or
5316 inverse).</Definition>
5317         </xsd:documentation>
5318     </xsd:annotation>
5319     <xsd:restriction base="xsd:NMTOKEN">
5320         <xsd:enumeration value="A01">
5321             <xsd:annotation>
5322                 <xsd:documentation>
5323                     <CodeDescription>
5324                         <Title>Expenditure.</Title>
5325                         <Definition>Expenditure (i.e. the Impacted Area System Operator pays to the internal Market
5326 Parties).</Definition>
5327                     </CodeDescription>
5328                 </xsd:documentation>
5329             </xsd:annotation>
5330         </xsd:enumeration>
5331         <xsd:enumeration value="A02">
5332             <xsd:annotation>
5333                 <xsd:documentation>
5334                     <CodeDescription>
5335                         <Title>Income.</Title>
5336                         <Definition>Income (i.e. The Impacted Area System Operator receives from the internal Market
5337 Parties).</Definition>
5338                     </CodeDescription>
5339                 </xsd:documentation>
5340             </xsd:annotation>
5341         </xsd:enumeration>
5342     </xsd:restriction>
5343 </xsd:simpleType>
5344 <!-- _____ ProcessTypeList _____ -->
5345 <xsd:simpleType name="ProcessTypeList">
5346     <xsd:annotation>
5347         <xsd:documentation>
5348             <UId>ET0020</UId>
5349             <Definition>Indicates the nature of process that the document addresses.</Definition>
5350         </xsd:documentation>
5351     </xsd:annotation>
5352     <xsd:restriction base="xsd:NMTOKEN">
5353         <xsd:enumeration value="A01">
5354             <xsd:annotation>
5355                 <xsd:documentation>
5356                     <CodeDescription>
5357                         <Title>Day ahead</Title>
5358                         <Definition>The information provided concerns a day ahead schedule.</Definition>
5359                     </CodeDescription>
5360                 </xsd:documentation>
5361             </xsd:annotation>
5362         </xsd:enumeration>
5363         <xsd:enumeration value="A02">
5364             <xsd:annotation>
5365                 <xsd:documentation>
5366                     <CodeDescription>
5367                         <Title>Intra day incremental</Title>
5368                         <Definition>The information provided concerns an intra day schedule.</Definition>
5369                     </CodeDescription>
5370                 </xsd:documentation>
5371             </xsd:annotation>
5372         </xsd:enumeration>
5373         <xsd:enumeration value="A03">
5374             <xsd:annotation>
5375                 <xsd:documentation>
5376                     <CodeDescription>
5377                         <Title>Inter-area transit</Title>
5378                         <Definition>The information provided concerns an inter area transit schedule. The rules governing
5379 this process are market dependent.</Definition>
5380                     </CodeDescription>
5381                 </xsd:documentation>
5382             </xsd:annotation>
5383         </xsd:enumeration>
5384         <xsd:enumeration value="A04">
5385             <xsd:annotation>
5386                 <xsd:documentation>
5387                     <CodeDescription>

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5388         <Title>System operation closure</Title>
5389         <Definition>The information provided concerns the closure of a given period of both scheduled and
5390 regulation information</Definition>
5391         </CodeDescription>
5392         </xsd:documentation>
5393     </xsd:annotation>
5394 </xsd:enumeration>
5395 <xsd:enumeration value="A05">
5396     <xsd:annotation>
5397         <xsd:documentation>
5398             <CodeDescription>
5399                 <Title>Metered data aggregation</Title>
5400                 <Definition>The information provided concerns the aggregation process of metered
5401 information</Definition>
5402             </CodeDescription>
5403             </xsd:documentation>
5404         </xsd:annotation>
5405     </xsd:enumeration>
5406 <xsd:enumeration value="A06">
5407     <xsd:annotation>
5408         <xsd:documentation>
5409             <CodeDescription>
5410                 <Title>Imbalance settlement</Title>
5411                 <Definition>The information provided concerns the imbalance settlement for a given period for a
5412 balance responsible party or parties </Definition>
5413             </CodeDescription>
5414             </xsd:documentation>
5415         </xsd:annotation>
5416     </xsd:enumeration>
5417 <xsd:enumeration value="A07">
5418     <xsd:annotation>
5419         <xsd:documentation>
5420             <CodeDescription>
5421                 <Title>Capacity allocation</Title>
5422                 <Definition>The information provided concerns the capacity allocation process </Definition>
5423             </CodeDescription>
5424             </xsd:documentation>
5425         </xsd:annotation>
5426     </xsd:enumeration>
5427 <xsd:enumeration value="A08">
5428     <xsd:annotation>
5429         <xsd:documentation>
5430             <CodeDescription>
5431                 <Title>Central reconciliation</Title>
5432                 <Definition>The process carried out to finalise the imbalance settlement based on actual metered
5433 values against provisional values from profiled metering points </Definition>
5434             </CodeDescription>
5435             </xsd:documentation>
5436         </xsd:annotation>
5437     </xsd:enumeration>
5438 <xsd:enumeration value="A09">
5439     <xsd:annotation>
5440         <xsd:documentation>
5441             <CodeDescription>
5442                 <Title>Released capacity allocation</Title>
5443                 <Definition>The process concerns the notification of capacity rights that are being released
5444 </Definition>
5445             </CodeDescription>
5446             </xsd:documentation>
5447         </xsd:annotation>
5448     </xsd:enumeration>
5449 <xsd:enumeration value="A10">
5450     <xsd:annotation>
5451         <xsd:documentation>
5452             <CodeDescription>
5453                 <Title>Proposed capacity allocation</Title>
5454                 <Definition>The process concerns the proposed capacity to be allocated for a given
5455 border</Definition>
5456             </CodeDescription>
5457             </xsd:documentation>
5458         </xsd:annotation>
5459     </xsd:enumeration>
5460 <xsd:enumeration value="A11">
5461     <xsd:annotation>
5462         <xsd:documentation>
5463             <CodeDescription>
5464                 <Title>Agreed capacity allocation</Title>
5465                 <Definition>The process concerns the capacity that has been agreed for allocation for a
5466 border</Definition>
5467             </CodeDescription>
5468             </xsd:documentation>
5469         </xsd:annotation>
5470     </xsd:enumeration>
5471 <xsd:enumeration value="A12">
5472     <xsd:annotation>
5473         <xsd:documentation>
5474             <CodeDescription>
5475                 <Title>Long term</Title>
5476                 <Definition>The process concerns scheduling all schedules except daily and intraday
5477 contracts.</Definition>
5478             </CodeDescription>
5479             </xsd:documentation>
5480         </xsd:annotation>
5481     </xsd:enumeration>
5482 <xsd:enumeration value="A13">
5483     <xsd:annotation>

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5484         <xsd:documentation>
5485             <CodeDescription>
5486                 <Title>Post scheduling adjustment</Title>
5487                 <Definition>The process concerns the adjustments made to previous schedules after the period of
5488 execution</Definition>
5489             </CodeDescription>
5490         </xsd:documentation>
5491     </xsd:annotation>
5492 </xsd:enumeration>
5493 <xsd:enumeration value="A14">
5494     <xsd:annotation>
5495         <xsd:documentation>
5496             <CodeDescription>
5497                 <Title>Forecast</Title>
5498                 <Definition>The data contained in the document are to be handled in short, medium, long term
5499 forecasting process.</Definition>
5500             </CodeDescription>
5501         </xsd:documentation>
5502     </xsd:annotation>
5503 </xsd:enumeration>
5504 <xsd:enumeration value="A15">
5505     <xsd:annotation>
5506         <xsd:documentation>
5507             <CodeDescription>
5508                 <Title>Capacity determination</Title>
5509                 <Definition>The process of determining the capacity for use</Definition>
5510             </CodeDescription>
5511         </xsd:documentation>
5512     </xsd:annotation>
5513 </xsd:enumeration>
5514 <xsd:enumeration value="A16">
5515     <xsd:annotation>
5516         <xsd:documentation>
5517             <CodeDescription>
5518                 <Title>Realised</Title>
5519                 <Definition>The process for the treatment of realised data as opposed to forecast
5520 data</Definition>
5521             </CodeDescription>
5522         </xsd:documentation>
5523     </xsd:annotation>
5524 </xsd:enumeration>
5525 <xsd:enumeration value="A17">
5526     <xsd:annotation>
5527         <xsd:documentation>
5528             <CodeDescription>
5529                 <Title>Schedule day</Title>
5530                 <Definition>The process concerns the day ahead, intraday and eventually ex-post scheduling in a
5531 single document. The schedule will be transferred within the total position including historic information</Definition>
5532             </CodeDescription>
5533         </xsd:documentation>
5534     </xsd:annotation>
5535 </xsd:enumeration>
5536 <xsd:enumeration value="A18">
5537     <xsd:annotation>
5538         <xsd:documentation>
5539             <CodeDescription>
5540                 <Title>Intraday total</Title>
5541                 <Definition>This process concerns an intraday schedule which contains the accumulated day ahead
5542 and intraday current position.</Definition>
5543             </CodeDescription>
5544         </xsd:documentation>
5545     </xsd:annotation>
5546 </xsd:enumeration>
5547 <xsd:enumeration value="A19">
5548     <xsd:annotation>
5549         <xsd:documentation>
5550             <CodeDescription>
5551                 <Title>Intraday accumulated</Title>
5552                 <Definition>This process concerns a single intraday process where only intraday evolutions occur
5553 through version changes.</Definition>
5554             </CodeDescription>
5555         </xsd:documentation>
5556     </xsd:annotation>
5557 </xsd:enumeration>
5558 <xsd:enumeration value="A20">
5559     <xsd:annotation>
5560         <xsd:documentation>
5561             <CodeDescription>
5562                 <Title>SOMA process</Title>
5563                 <Definition> System Operator meter alignment process.</Definition>
5564             </CodeDescription>
5565         </xsd:documentation>
5566     </xsd:annotation>
5567 </xsd:enumeration>
5568 <xsd:enumeration value="A21">
5569     <xsd:annotation>
5570         <xsd:documentation>
5571             <CodeDescription>
5572                 <Title>SOVM process</Title>
5573                 <Definition> System Operator validated measurement process.</Definition>
5574             </CodeDescription>
5575         </xsd:documentation>
5576     </xsd:annotation>
5577 </xsd:enumeration>
5578 <xsd:enumeration value="A22">
5579     <xsd:annotation>

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5580         <xsd:documentation>
5581             <CodeDescription>
5582                 <Title>RGCE accounting process</Title>
5583                 <Definition>The document provides ENTSO-E Regional Group Continental Europe accounting process
5584 information.</Definition>
5585             </CodeDescription>
5586         </xsd:documentation>
5587     </xsd:annotation>
5588 </xsd:enumeration>
5589 <xsd:enumeration value="A23">
5590     <xsd:annotation>
5591         <xsd:documentation>
5592             <CodeDescription>
5593                 <Title>CCSR RGCE Settlement </Title>
5594                 <Definition>The process concerns the control center settlement report for the whole of the ENTSO-E
5595 Regional Group Continental Europe.</Definition>
5596             </CodeDescription>
5597         </xsd:documentation>
5598     </xsd:annotation>
5599 </xsd:enumeration>
5600 <xsd:enumeration value="A24">
5601     <xsd:annotation>
5602         <xsd:documentation>
5603             <CodeDescription>
5604                 <Title>CCSR Settlement </Title>
5605                 <Definition>The process concerns the control block settlement report.</Definition>
5606             </CodeDescription>
5607         </xsd:documentation>
5608     </xsd:annotation>
5609 </xsd:enumeration>
5610 <xsd:enumeration value="A25">
5611     <xsd:annotation>
5612         <xsd:documentation>
5613             <CodeDescription>
5614                 <Title>CASR Settlement </Title>
5615                 <Definition>The process concerns the control area settlement report.</Definition>
5616             </CodeDescription>
5617         </xsd:documentation>
5618     </xsd:annotation>
5619 </xsd:enumeration>
5620 <xsd:enumeration value="A26">
5621     <xsd:annotation>
5622         <xsd:documentation>
5623             <CodeDescription>
5624                 <Title>Outage information</Title>
5625                 <Definition>The process concerns TSO publication of outages on its power system.</Definition>
5626             </CodeDescription>
5627         </xsd:documentation>
5628     </xsd:annotation>
5629 </xsd:enumeration>
5630 </xsd:restriction>
5631 </xsd:simpleType>
5632 <!-- QualityTypeList -->
5633 <xsd:simpleType name="QualityTypeList">
5634     <xsd:annotation>
5635         <xsd:documentation>
5636             <UId>ET0036</UId>
5637             <Definition>The quality of an object.</Definition>
5638         </xsd:documentation>
5639     </xsd:annotation>
5640     <xsd:restriction base="xsd:NMTOKEN">
5641         <xsd:enumeration value="A01">
5642             <xsd:annotation>
5643                 <xsd:documentation>
5644                     <CodeDescription>
5645                         <Title>Adjusted</Title>
5646                         <Definition>The contents of the object have been adjusted</Definition>
5647                     </CodeDescription>
5648                 </xsd:documentation>
5649             </xsd:annotation>
5650 </xsd:enumeration>
5651 <xsd:enumeration value="A02">
5652             <xsd:annotation>
5653                 <xsd:documentation>
5654                     <CodeDescription>
5655                         <Title>Not available</Title>
5656                         <Definition>The contents of the object are not available</Definition>
5657                     </CodeDescription>
5658                 </xsd:documentation>
5659             </xsd:annotation>
5660 </xsd:enumeration>
5661 <xsd:enumeration value="A03">
5662             <xsd:annotation>
5663                 <xsd:documentation>
5664                     <CodeDescription>
5665                         <Title>Estimated</Title>
5666                         <Definition>The contents of the object are estimated</Definition>
5667                     </CodeDescription>
5668                 </xsd:documentation>
5669             </xsd:annotation>
5670 </xsd:enumeration>
5671 <xsd:enumeration value="A04">
5672             <xsd:annotation>
5673                 <xsd:documentation>
5674                     <CodeDescription>
5675                         <Title>As provided</Title>

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5676         <Definition>The contents of the object are as provided</Definition>
5677     </CodeDescription>
5678 </xsd:documentation>
5679 </xsd:annotation>
5680 </xsd:enumeration>
5681 </xsd:restriction>
5682 </xsd:simpleType>
5683 <!-- ReasonCodeTypeList -->
5684 <xsd:simpleType name="ReasonCodeTypeList">
5685     <xsd:annotation>
5686         <xsd:documentation>
5687             <UId>ET0015 </UId>
5688             <Definition>The coded motivation of an act.</Definition>
5689         </xsd:documentation>
5690     </xsd:annotation>
5691     <xsd:restriction base="xsd:NMTOKEN">
5692         <xsd:enumeration value="A01">
5693             <xsd:annotation>
5694                 <xsd:documentation>
5695                     <CodeDescription>
5696                         <Title>Message fully accepted</Title>
5697                         <Definition>The message has been fully accepted for application processing</Definition>
5698                     </CodeDescription>
5699                 </xsd:documentation>
5700             </xsd:annotation>
5701         </xsd:enumeration>
5702         <xsd:enumeration value="A02">
5703             <xsd:annotation>
5704                 <xsd:documentation>
5705                     <CodeDescription>
5706                         <Title>Message fully rejected </Title>
5707                         <Definition>No part of the message has been accepted for application processing. For example:
5708 Global position incomplete</Definition>
5709                     </CodeDescription>
5710                 </xsd:documentation>
5711             </xsd:annotation>
5712         </xsd:enumeration>
5713         <xsd:enumeration value="A03">
5714             <xsd:annotation>
5715                 <xsd:documentation>
5716                     <CodeDescription>
5717                         <Title>Message contains errors at the time series level </Title>
5718                         <Definition>Part of the message contents (i.e. certain time series) has been accepted for
5719 application processing. It is necessary to look at the time series level to determine the time series that have been
5720 rejected. The time series is excluded from the global position.</Definition>
5721                     </CodeDescription>
5722                 </xsd:documentation>
5723             </xsd:annotation>
5724         </xsd:enumeration>
5725         <xsd:enumeration value="A04">
5726             <xsd:annotation>
5727                 <xsd:documentation>
5728                     <CodeDescription>
5729                         <Title>Time interval incorrect </Title>
5730                         <Definition>The schedule time interval is not within the contractual agreement or the period does
5731 not agree with the schedule time interval.</Definition>
5732                     </CodeDescription>
5733                 </xsd:documentation>
5734             </xsd:annotation>
5735         </xsd:enumeration>
5736         <xsd:enumeration value="A05">
5737             <xsd:annotation>
5738                 <xsd:documentation>
5739                     <CodeDescription>
5740                         <Title>Sender without valid contract </Title>
5741                         <Definition>The sender has no current valid contract with the TSO. The message consequently will
5742 be fully rejected</Definition>
5743                     </CodeDescription>
5744                 </xsd:documentation>
5745             </xsd:annotation>
5746         </xsd:enumeration>
5747         <xsd:enumeration value="A06">
5748             <xsd:annotation>
5749                 <xsd:documentation>
5750                     <CodeDescription>
5751                         <Title>Schedule accepted </Title>
5752                         <Definition>The schedule of the recipient as presented has been completely accepted</Definition>
5753                     </CodeDescription>
5754                 </xsd:documentation>
5755             </xsd:annotation>
5756         </xsd:enumeration>
5757         <xsd:enumeration value="A07">
5758             <xsd:annotation>
5759                 <xsd:documentation>
5760                     <CodeDescription>
5761                         <Title>Schedule partially accepted </Title>
5762                         <Definition>The schedule of the recipient as presented has been partially accepted. It is
5763 necessary to look at the time series level to determine the changes (time series rejected, modified etc.)</Definition>
5764                     </CodeDescription>
5765                 </xsd:documentation>
5766             </xsd:annotation>
5767         </xsd:enumeration>
5768         <xsd:enumeration value="A08">
5769             <xsd:annotation>
5770                 <xsd:documentation>
5771                     <CodeDescription>

```

```

5772         <Title>Schedule rejected </Title>
5773         <Definition>The schedule of the recipient as presented has been totally rejected. The cause could
5774 be the non presentation of a counter part for the involved trades</Definition>
5775         </CodeDescription>
5776     </xsd:documentation>
5777 </xsd:annotation>
5778 </xsd:enumeration>
5779 <xsd:enumeration value="A09">
5780     <xsd:annotation>
5781         <xsd:documentation>
5782             <CodeDescription>
5783                 <Title>Time series not matching</Title>
5784                 <Definition>Time series mismatches. </Definition>
5785             </CodeDescription>
5786         </xsd:documentation>
5787     </xsd:annotation>
5788 </xsd:enumeration>
5789 <xsd:enumeration value="A10">
5790     <xsd:annotation>
5791         <xsd:documentation>
5792             <CodeDescription>
5793                 <Title>Credit limit exceeded </Title>
5794                 <Definition>The contractual credit limit has been exceeded and as such the message has been
5795 rejected.</Definition>
5796             </CodeDescription>
5797         </xsd:documentation>
5798     </xsd:annotation>
5799 </xsd:enumeration>
5800 <xsd:enumeration value="A20">
5801     <xsd:annotation>
5802         <xsd:documentation>
5803             <CodeDescription>
5804                 <Title>Time series fully rejected </Title>
5805                 <Definition>The time series has been fully rejected. In the case of a confirmation report, this
5806 reason code is used in conjunction with either A26 or A30.</Definition>
5807             </CodeDescription>
5808         </xsd:documentation>
5809     </xsd:annotation>
5810 </xsd:enumeration>
5811 <xsd:enumeration value="A21">
5812     <xsd:annotation>
5813         <xsd:documentation>
5814             <CodeDescription>
5815                 <Title>Time series accepted with specific time interval errors </Title>
5816                 <Definition>The time series has been accepted but some time interval quantities have been
5817 rectified or zeroed out</Definition>
5818             </CodeDescription>
5819         </xsd:documentation>
5820     </xsd:annotation>
5821 </xsd:enumeration>
5822 <xsd:enumeration value="A22">
5823     <xsd:annotation>
5824         <xsd:documentation>
5825             <CodeDescription>
5826                 <Title>In party/Out party invalid</Title>
5827                 <Definition>There is no contract for the parties indicated or the rules for cross border
5828 nominations are not being respected. The time series has been rejected</Definition>
5829             </CodeDescription>
5830         </xsd:documentation>
5831     </xsd:annotation>
5832 </xsd:enumeration>
5833 <xsd:enumeration value="A23">
5834     <xsd:annotation>
5835         <xsd:documentation>
5836             <CodeDescription>
5837                 <Title>Area invalid</Title>
5838                 <Definition>The area is unknown or not allowed. The time series has been rejected.</Definition>
5839             </CodeDescription>
5840         </xsd:documentation>
5841     </xsd:annotation>
5842 </xsd:enumeration>
5843 <xsd:enumeration value="A24">
5844     <xsd:annotation>
5845         <xsd:documentation>
5846             <CodeDescription>
5847                 <Title/>
5848                 <Definition>This code is no longer applicable</Definition>
5849             </CodeDescription>
5850         </xsd:documentation>
5851     </xsd:annotation>
5852 </xsd:enumeration>
5853 <xsd:enumeration value="A25">
5854     <xsd:annotation>
5855         <xsd:documentation>
5856             <CodeDescription>
5857                 <Title/>
5858                 <Definition>This code is no longer applicable</Definition>
5859             </CodeDescription>
5860         </xsd:documentation>
5861     </xsd:annotation>
5862 </xsd:enumeration>
5863 <xsd:enumeration value="A26">
5864     <xsd:annotation>
5865         <xsd:documentation>
5866             <CodeDescription>
5867                 <Title>Default time series applied </Title>

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5868         <Definition>The time series has been rejected and replaced with a default time series profile.
5869 This reason code may not be used in conjunction with A30.</Definition>
5870     </CodeDescription>
5871 </xsd:documentation>
5872 </xsd:annotation>
5873 </xsd:enumeration>
5874 <xsd:enumeration value="A27">
5875     <xsd:annotation>
5876         <xsd:documentation>
5877             <CodeDescription>
5878                 <Title>Cross border capacity exceeded </Title>
5879                 <Definition>The cross border capacity has been exceeded. The time series has been rejected or
5880 adjusted</Definition>
5881             </CodeDescription>
5882         </xsd:documentation>
5883     </xsd:annotation>
5884 </xsd:enumeration>
5885 <xsd:enumeration value="A28">
5886     <xsd:annotation>
5887         <xsd:documentation>
5888             <CodeDescription>
5889                 <Title>Counterpart time series missing </Title>
5890                 <Definition>This provides an indication that the time series has not got a counterpart time
5891 series. In the case of an Intermediate Confirmation Report this is advising the recipient that the time series may be
5892 rejected at nomination closure if the counterpart time series is not received. In the case of a Final Confirmation Report
5893 this is informing the recipient that the time series has been rejected because the counterpart time series has not been
5894 forthcoming. </Definition>
5895             </CodeDescription>
5896         </xsd:documentation>
5897     </xsd:annotation>
5898 </xsd:enumeration>
5899 <xsd:enumeration value="A29">
5900     <xsd:annotation>
5901         <xsd:documentation>
5902             <CodeDescription>
5903                 <Title>Counterpart time series quantity differences </Title>
5904                 <Definition>The time series has been rejected as it does not match that of the counterpart who is
5905 considered by market rules to be correct</Definition>
5906             </CodeDescription>
5907         </xsd:documentation>
5908     </xsd:annotation>
5909 </xsd:enumeration>
5910 <xsd:enumeration value="A30">
5911     <xsd:annotation>
5912         <xsd:documentation>
5913             <CodeDescription>
5914                 <Title>Imposed Time series from nominated party's time series (party identified in reason
5915 text)</Title>
5916                 <Definition>The nominated party's time series has replaced the current time series. This reason
5917 code may not be used in conjunction with A26.</Definition>
5918             </CodeDescription>
5919         </xsd:documentation>
5920     </xsd:annotation>
5921 </xsd:enumeration>
5922 <xsd:enumeration value="A41">
5923     <xsd:annotation>
5924         <xsd:documentation>
5925             <CodeDescription>
5926                 <Title>Resolution inconsistency </Title>
5927                 <Definition>The resolution is not coherent with the time interval, or resolution not
5928 valid</Definition>
5929             </CodeDescription>
5930         </xsd:documentation>
5931     </xsd:annotation>
5932 </xsd:enumeration>
5933 <xsd:enumeration value="A42">
5934     <xsd:annotation>
5935         <xsd:documentation>
5936             <CodeDescription>
5937                 <Title>Quantity inconsistency </Title>
5938                 <Definition>The quantity is not coherent. For example a time period with the same version number
5939 but different quantities or a non permitted number of digits after the decimal point, etc.</Definition>
5940             </CodeDescription>
5941         </xsd:documentation>
5942     </xsd:annotation>
5943 </xsd:enumeration>
5944 <xsd:enumeration value="A43">
5945     <xsd:annotation>
5946         <xsd:documentation>
5947             <CodeDescription>
5948                 <Title>Quantity increased </Title>
5949                 <Definition>The quantity has been increased in order to satisfy minimum constraints</Definition>
5950             </CodeDescription>
5951         </xsd:documentation>
5952     </xsd:annotation>
5953 </xsd:enumeration>
5954 <xsd:enumeration value="A44">
5955     <xsd:annotation>
5956         <xsd:documentation>
5957             <CodeDescription>
5958                 <Title>Quantity decreased </Title>
5959                 <Definition>The quantity has been decreased in order to satisfy congestion
5960 constraints</Definition>
5961             </CodeDescription>
5962         </xsd:documentation>
5963     </xsd:annotation>

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5964         </xsd:enumeration>
5965         <xsd:enumeration value="A45">
5966             <xsd:annotation>
5967                 <xsd:documentation>
5968                     <CodeDescription>
5969                         <Title>Default quantity applied </Title>
5970                         <Definition>The default quantity has been applied as the current quantity does not satisfy
contractual obligations</Definition>
5971                     </CodeDescription>
5972                 </xsd:documentation>
5973             </xsd:annotation>
5974         </xsd:enumeration>
5975         <xsd:enumeration value="A46">
5976             <xsd:annotation>
5977                 <xsd:documentation>
5978                     <CodeDescription>
5979                         <Title>Quantities must not be signed values</Title>
5980                         <Definition>The quantity proposed is illegal since signed values are only permitted in specific
circumstances</Definition>
5981                     </CodeDescription>
5982                 </xsd:documentation>
5983             </xsd:annotation>
5984         </xsd:enumeration>
5985         <xsd:enumeration value="A47">
5986             <xsd:annotation>
5987                 <xsd:documentation>
5988                     <CodeDescription>
5989                         <Title>
5990                         <Definition>This code is no longer applicable</Definition>
5991                     </CodeDescription>
5992                 </xsd:documentation>
5993             </xsd:annotation>
5994         </xsd:enumeration>
5995         <xsd:enumeration value="A48">
5996             <xsd:annotation>
5997                 <xsd:documentation>
5998                     <CodeDescription>
5999                         <Title>Modification reason</Title>
6000                         <Definition>In an intra day transmission, the reason for the modification is as follows (in the
reason text).</Definition>
6001                     </CodeDescription>
6002                 </xsd:documentation>
6003             </xsd:annotation>
6004         </xsd:enumeration>
6005         <xsd:enumeration value="A49">
6006             <xsd:annotation>
6007                 <xsd:documentation>
6008                     <CodeDescription>
6009                         <Title>Position inconsistency</Title>
6010                         <Definition>A position is missing or too many.</Definition>
6011                     </CodeDescription>
6012                 </xsd:documentation>
6013             </xsd:annotation>
6014         </xsd:enumeration>
6015         <xsd:enumeration value="A50">
6016             <xsd:annotation>
6017                 <xsd:documentation>
6018                     <CodeDescription>
6019                         <Title>Senders time series version conflict</Title>
6020                         <Definition>There is an error in the senders time series version. (i.e. it could be superior to
the message version or is inconsistent with the existing data). The time series has been rejected.</Definition>
6021                     </CodeDescription>
6022                 </xsd:documentation>
6023             </xsd:annotation>
6024         </xsd:enumeration>
6025         <xsd:enumeration value="A51">
6026             <xsd:annotation>
6027                 <xsd:documentation>
6028                     <CodeDescription>
6029                         <Title>Message identification or version conflict</Title>
6030                         <Definition>The message identification is already in the receiving system. Or a higher version
already exists. Message rejected</Definition>
6031                     </CodeDescription>
6032                 </xsd:documentation>
6033             </xsd:annotation>
6034         </xsd:enumeration>
6035         <xsd:enumeration value="A52">
6036             <xsd:annotation>
6037                 <xsd:documentation>
6038                     <CodeDescription>
6039                         <Title>Time series missing from new version of message</Title>
6040                         <Definition>A time series is not contained in a new version of the message. Message
rejected</Definition>
6041                     </CodeDescription>
6042                 </xsd:documentation>
6043             </xsd:annotation>
6044         </xsd:enumeration>
6045         <xsd:enumeration value="A53">
6046             <xsd:annotation>
6047                 <xsd:documentation>
6048                     <CodeDescription>
6049                         <Title>Receiving party incorrect</Title>
6050                         <Definition>The receiving party is incorrect. Message rejected</Definition>
6051                     </CodeDescription>
6052                 </xsd:documentation>
6053             </xsd:annotation>
6054         </xsd:enumeration>
6055     </xsd:annotation>
6056 </xsd:documentation>
6057 </CodeDescription>
6058 </xsd:documentation>
6059 </xsd:annotation>

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6060         </xsd:enumeration>
6061         <xsd:enumeration value="A54">
6062             <xsd:annotation>
6063                 <xsd:documentation>
6064                     <CodeDescription>
6065                         <Title>Global position not in balance</Title>
6066                         <Definition>The message does not balance out to zero. Market rules might require that the message
6067 is rejected.</Definition>
6068                     </CodeDescription>
6069                 </xsd:documentation>
6070             </xsd:annotation>
6071         </xsd:enumeration>
6072         <xsd:enumeration value="A55">
6073             <xsd:annotation>
6074                 <xsd:documentation>
6075                     <CodeDescription>
6076                         <Title>Time series identification conflict</Title>
6077                         <Definition>The identification of the time series is duplicated or incorrect. Time series will be
6078 rejected</Definition>
6079                     </CodeDescription>
6080                 </xsd:documentation>
6081             </xsd:annotation>
6082         </xsd:enumeration>
6083         <xsd:enumeration value="A56">
6084             <xsd:annotation>
6085                 <xsd:documentation>
6086                     <CodeDescription>
6087                         <Title>Corresponding Time series not netted</Title>
6088                         <Definition>All corresponding time series must be netted. Time series rejected.</Definition>
6089                     </CodeDescription>
6090                 </xsd:documentation>
6091             </xsd:annotation>
6092         </xsd:enumeration>
6093         <xsd:enumeration value="A57">
6094             <xsd:annotation>
6095                 <xsd:documentation>
6096                     <CodeDescription>
6097                         <Title>Deadline limit exceeded/Gate not open</Title>
6098                         <Definition>The deadline for receiving schedule messages has passed. Message or time series
6099 rejected.</Definition>
6100                     </CodeDescription>
6101                 </xsd:documentation>
6102             </xsd:annotation>
6103         </xsd:enumeration>
6104         <xsd:enumeration value="A58">
6105             <xsd:annotation>
6106                 <xsd:documentation>
6107                     <CodeDescription>
6108                         <Title>One to one nomination inconsistency</Title>
6109                         <Definition>There is a one to one nomination inconsistency with the in/out parties or areas. Time
6110 series rejected</Definition>
6111                     </CodeDescription>
6112                 </xsd:documentation>
6113             </xsd:annotation>
6114         </xsd:enumeration>
6115         <xsd:enumeration value="A59">
6116             <xsd:annotation>
6117                 <xsd:documentation>
6118                     <CodeDescription>
6119                         <Title>Not compliant to local market rules</Title>
6120                         <Definition>The level in which this is identified is not in compliance with local market rules.
6121 The level in question has been rejected.</Definition>
6122                     </CodeDescription>
6123                 </xsd:documentation>
6124             </xsd:annotation>
6125         </xsd:enumeration>
6126         <xsd:enumeration value="A60">
6127             <xsd:annotation>
6128                 <xsd:documentation>
6129                     <CodeDescription>
6130                         <Title>Inter-area transit schedule exceeds nominated schedule</Title>
6131                         <Definition>The inter-area transit schedule exceeds the nominated schedule for the same time
6132 interval. The inter-area transit schedule is rejected.</Definition>
6133                     </CodeDescription>
6134                 </xsd:documentation>
6135             </xsd:annotation>
6136         </xsd:enumeration>
6137         <xsd:enumeration value="A61">
6138             <xsd:annotation>
6139                 <xsd:documentation>
6140                     <CodeDescription>
6141                         <Title>Currency invalid</Title>
6142                         <Definition>The currency is not in compliance with ISO 4217.</Definition>
6143                     </CodeDescription>
6144                 </xsd:documentation>
6145             </xsd:annotation>
6146         </xsd:enumeration>
6147         <xsd:enumeration value="A62">
6148             <xsd:annotation>
6149                 <xsd:documentation>
6150                     <CodeDescription>
6151                         <Title>Invalid business type</Title>
6152                         <Definition>The business type does not belong to the valid set of business types for the process
6153 in question.</Definition>
6154                     </CodeDescription>
6155                 </xsd:documentation>

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6156         </xsd:annotation>
6157     </xsd:enumeration>
6158     <xsd:enumeration value="A63">
6159         <xsd:annotation>
6160             <xsd:documentation>
6161                 <CodeDescription>
6162                     <Title>Time Series modified</Title>
6163                     <Definition>The time series has been modified.</Definition>
6164                 </CodeDescription>
6165             </xsd:documentation>
6166         </xsd:annotation>
6167     </xsd:enumeration>
6168     <xsd:enumeration value="A64">
6169         <xsd:annotation>
6170             <xsd:documentation>
6171                 <CodeDescription>
6172                     <Title>Resource Object Invalid</Title>
6173                     <Definition>The Resource Object defined in the document is not valid</Definition>
6174                 </CodeDescription>
6175             </xsd:documentation>
6176         </xsd:annotation>
6177     </xsd:enumeration>
6178     <xsd:enumeration value="A65">
6179         <xsd:annotation>
6180             <xsd:documentation>
6181                 <CodeDescription>
6182                     <Title>Reserve object Technical limits exceeded</Title>
6183                     <Definition>Reserve objects aggregated values are not within technical/prequalified
6184 limits</Definition>
6185                 </CodeDescription>
6186             </xsd:documentation>
6187         </xsd:annotation>
6188     </xsd:enumeration>
6189     <xsd:enumeration value="A66">
6190         <xsd:annotation>
6191             <xsd:documentation>
6192                 <CodeDescription>
6193                     <Title>Planned reserves do not correspond with contractual data</Title>
6194                     <Definition>Planned reserves do not correspond with contractual data</Definition>
6195                 </CodeDescription>
6196             </xsd:documentation>
6197         </xsd:annotation>
6198     </xsd:enumeration>
6199     <xsd:enumeration value="A67">
6200         <xsd:annotation>
6201             <xsd:documentation>
6202                 <CodeDescription>
6203                     <Title>Limit Data is not available</Title>
6204                     <Definition>Limit Data is not available</Definition>
6205                 </CodeDescription>
6206             </xsd:documentation>
6207         </xsd:annotation>
6208     </xsd:enumeration>
6209     <xsd:enumeration value="A68">
6210         <xsd:annotation>
6211             <xsd:documentation>
6212                 <CodeDescription>
6213                     <Title>Reserve Object not qualified for reserve type</Title>
6214                     <Definition>Reserve Object is not qualified for reserve type</Definition>
6215                 </CodeDescription>
6216             </xsd:documentation>
6217         </xsd:annotation>
6218     </xsd:enumeration>
6219     <xsd:enumeration value="A69">
6220         <xsd:annotation>
6221             <xsd:documentation>
6222                 <CodeDescription>
6223                     <Title>Mandatory attributes missing</Title>
6224                     <Definition>Mandatory attributes missing.</Definition>
6225                 </CodeDescription>
6226             </xsd:documentation>
6227         </xsd:annotation>
6228     </xsd:enumeration>
6229     <xsd:enumeration value="A70">
6230         <xsd:annotation>
6231             <xsd:documentation>
6232                 <CodeDescription>
6233                     <Title>Curtailement</Title>
6234                     <Definition>The capacity in question has been curtailed</Definition>
6235                 </CodeDescription>
6236             </xsd:documentation>
6237         </xsd:annotation>
6238     </xsd:enumeration>
6239     <xsd:enumeration value="A71">
6240         <xsd:annotation>
6241             <xsd:documentation>
6242                 <CodeDescription>
6243                     <Title>Linked bid rejected due to associated bid unsuccessful</Title>
6244                     <Definition>The bid in question has been rejected because an associated bid has been
6245 unsuccessful.</Definition>
6246                 </CodeDescription>
6247             </xsd:documentation>
6248         </xsd:annotation>
6249     </xsd:enumeration>
6250     <xsd:enumeration value="A72">
6251         <xsd:annotation>

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6252         <xsd:documentation>
6253             <CodeDescription>
6254                 <Title>Original bid divided to permit acceptance</Title>
6255                 <Definition>The original bid quantity has been divided to enable it to be accepted</Definition>
6256             </CodeDescription>
6257         </xsd:documentation>
6258     </xsd:annotation>
6259 </xsd:enumeration>
6260 <xsd:enumeration value="A73">
6261     <xsd:annotation>
6262         <xsd:documentation>
6263             <CodeDescription>
6264                 <Title>Bid accepted</Title>
6265                 <Definition>The bid in question has been accepted</Definition>
6266             </CodeDescription>
6267         </xsd:documentation>
6268     </xsd:annotation>
6269 </xsd:enumeration>
6270 <xsd:enumeration value="A74">
6271     <xsd:annotation>
6272         <xsd:documentation>
6273             <CodeDescription>
6274                 <Title>Auction Status</Title>
6275                 <Definition>The information in the Reason Text provides auction status information</Definition>
6276             </CodeDescription>
6277         </xsd:documentation>
6278     </xsd:annotation>
6279 </xsd:enumeration>
6280 <xsd:enumeration value="A75">
6281     <xsd:annotation>
6282         <xsd:documentation>
6283             <CodeDescription>
6284                 <Title>Right status information</Title>
6285                 <Definition>The information in the Reason Text provides status information concerning the
6286 transmission rights in question</Definition>
6287             </CodeDescription>
6288         </xsd:documentation>
6289     </xsd:annotation>
6290 </xsd:enumeration>
6291 <xsd:enumeration value="A76">
6292     <xsd:annotation>
6293         <xsd:documentation>
6294             <CodeDescription>
6295                 <Title>Agreement identification inconsistency</Title>
6296                 <Definition>There is an inconsistency between the contract type and the agreement
6297 identification</Definition>
6298             </CodeDescription>
6299         </xsd:documentation>
6300     </xsd:annotation>
6301 </xsd:enumeration>
6302 <xsd:enumeration value="A77">
6303     <xsd:annotation>
6304         <xsd:documentation>
6305             <CodeDescription>
6306                 <Title>Dependency matrix not respected</Title>
6307                 <Definition>There is an inconsistency between the document contents and the dependency
6308 matrix</Definition>
6309             </CodeDescription>
6310         </xsd:documentation>
6311     </xsd:annotation>
6312 </xsd:enumeration>
6313 <xsd:enumeration value="A78">
6314     <xsd:annotation>
6315         <xsd:documentation>
6316             <CodeDescription>
6317                 <Title>Sender identification and/or role invalid</Title>
6318                 <Definition>The identification of the sender or the sender/role combination is
6319 invalid</Definition>
6320             </CodeDescription>
6321         </xsd:documentation>
6322     </xsd:annotation>
6323 </xsd:enumeration>
6324 <xsd:enumeration value="A79">
6325     <xsd:annotation>
6326         <xsd:documentation>
6327             <CodeDescription>
6328                 <Title>Process type invalid</Title>
6329                 <Definition>The process type does not figure in the list of valid process types for this
6330 document</Definition>
6331             </CodeDescription>
6332         </xsd:documentation>
6333     </xsd:annotation>
6334 </xsd:enumeration>
6335 <xsd:enumeration value="A80">
6336     <xsd:annotation>
6337         <xsd:documentation>
6338             <CodeDescription>
6339                 <Title>Domain invalid</Title>
6340                 <Definition>The domain does not figure in the list of valid domains for this document and
6341 process</Definition>
6342             </CodeDescription>
6343         </xsd:documentation>
6344     </xsd:annotation>
6345 </xsd:enumeration>
6346 <xsd:enumeration value="A81">
6347     <xsd:annotation>

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6348         <xsd:documentation>
6349             <CodeDescription>
6350                 <Title>Matching period invalid</Title>
6351                 <Definition>The period is not within the expected limits</Definition>
6352             </CodeDescription>
6353         </xsd:documentation>
6354     </xsd:annotation>
6355 </xsd:enumeration>
6356 <xsd:enumeration value="A82">
6357     <xsd:annotation>
6358         <xsd:documentation>
6359             <CodeDescription>
6360                 <Title>In/Out area inconsistent with domain</Title>
6361                 <Definition>The in and out area does not figure within the domain specified</Definition>
6362             </CodeDescription>
6363         </xsd:documentation>
6364     </xsd:annotation>
6365 </xsd:enumeration>
6366 <xsd:enumeration value="A83">
6367     <xsd:annotation>
6368         <xsd:documentation>
6369             <CodeDescription>
6370                 <Title>Disagree with matching results</Title>
6371                 <Definition>The matching results provided are not consistent</Definition>
6372             </CodeDescription>
6373         </xsd:documentation>
6374     </xsd:annotation>
6375 </xsd:enumeration>
6376 <xsd:enumeration value="A84">
6377     <xsd:annotation>
6378         <xsd:documentation>
6379             <CodeDescription>
6380                 <Title>Confirmation ignored due to higher version already received</Title>
6381                 <Definition>The report has been ignored since a higher version has been received</Definition>
6382             </CodeDescription>
6383         </xsd:documentation>
6384     </xsd:annotation>
6385 </xsd:enumeration>
6386 <xsd:enumeration value="A85">
6387     <xsd:annotation>
6388         <xsd:documentation>
6389             <CodeDescription>
6390                 <Title>Confirmation without adjustment (time series have been matched without change)</Title>
6391                 <Definition>The report has been successfully matched without any changes</Definition>
6392             </CodeDescription>
6393         </xsd:documentation>
6394     </xsd:annotation>
6395 </xsd:enumeration>
6396 <xsd:enumeration value="A86">
6397     <xsd:annotation>
6398         <xsd:documentation>
6399             <CodeDescription>
6400                 <Title>Confirmation with adjustment (time series have been modified)</Title>
6401                 <Definition>The report has been matched but required adjustment</Definition>
6402             </CodeDescription>
6403         </xsd:documentation>
6404     </xsd:annotation>
6405 </xsd:enumeration>
6406 <xsd:enumeration value="A87">
6407     <xsd:annotation>
6408         <xsd:documentation>
6409             <CodeDescription>
6410                 <Title>For action (only in intermediate confirmation - time series need mutual agreement and
6411 action)</Title>
6412                 <Definition>The report in question is only for action in an intermediate stage</Definition>
6413             </CodeDescription>
6414         </xsd:documentation>
6415     </xsd:annotation>
6416 </xsd:enumeration>
6417 <xsd:enumeration value="A88">
6418     <xsd:annotation>
6419         <xsd:documentation>
6420             <CodeDescription>
6421                 <Title>Time series matched</Title>
6422                 <Definition>The time series has been successfully matched</Definition>
6423             </CodeDescription>
6424         </xsd:documentation>
6425     </xsd:annotation>
6426 </xsd:enumeration>
6427 <xsd:enumeration value="A89">
6428     <xsd:annotation>
6429         <xsd:documentation>
6430             <CodeDescription>
6431                 <Title>Time series ignored (note: this can only apply to time series that are set to zero - see
6432 matching principles)</Title>
6433                 <Definition>The time series has been ignored and not matched since it does not figure in a
6434 counterparty transmission. All are correctly equal to zero.</Definition>
6435             </CodeDescription>
6436         </xsd:documentation>
6437     </xsd:annotation>
6438 </xsd:enumeration>
6439 <xsd:enumeration value="A90">
6440     <xsd:annotation>
6441         <xsd:documentation>
6442             <CodeDescription>
6443                 <Title>Modification proposal (intermediate confirmation)</Title>

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6444         <Definition>The document is a proposal for change before finalization</Definition>
6445     </CodeDescription>
6446 </xsd:documentation>
6447 </xsd:annotation>
6448 </xsd:enumeration>
6449 <xsd:enumeration value="A91">
6450 <xsd:annotation>
6451 <xsd:documentation>
6452 <CodeDescription>
6453 <Title>Expected document not received</Title>
6454 <Definition>The document that is expected has not been received within the expected
6455 timeframe</Definition>
6456 </CodeDescription>
6457 </xsd:documentation>
6458 </xsd:annotation>
6459 </xsd:enumeration>
6460 <xsd:enumeration value="A92">
6461 <xsd:annotation>
6462 <xsd:documentation>
6463 <CodeDescription>
6464 <Title>Not possible to send document on time, but estimated delivery time is provided</Title>
6465 <Definition>The document that is due cannot be transmitted within the required timeframe. An
6466 estimated time of transmission is provided</Definition>
6467 </CodeDescription>
6468 </xsd:documentation>
6469 </xsd:annotation>
6470 </xsd:enumeration>
6471 <xsd:enumeration value="A93">
6472 <xsd:annotation>
6473 <xsd:documentation>
6474 <CodeDescription>
6475 <Title>Not possible to send document on time, and further more no expected time of return to
6476 normal situation</Title>
6477 <Definition>The document that is due cannot be transmitted within the required timeframe. The time
6478 of transmission of the document is unknown.</Definition>
6479 </CodeDescription>
6480 </xsd:documentation>
6481 </xsd:annotation>
6482 </xsd:enumeration>
6483 <xsd:enumeration value="A94">
6484 <xsd:annotation>
6485 <xsd:documentation>
6486 <CodeDescription>
6487 <Title>Document cannot be processed by receiving system</Title>
6488 <Definition>The receiving system cannot process that document in question</Definition>
6489 </CodeDescription>
6490 </xsd:documentation>
6491 </xsd:annotation>
6492 </xsd:enumeration>
6493 <xsd:enumeration value="A95">
6494 <xsd:annotation>
6495 <xsd:documentation>
6496 <CodeDescription>
6497 <Title>Complementary information</Title>
6498 <Definition>Additional text is provided in order to further explain a condition (for example to
6499 provide details of an outage)</Definition>
6500 </CodeDescription>
6501 </xsd:documentation>
6502 </xsd:annotation>
6503 </xsd:enumeration>
6504 <xsd:enumeration value="A96">
6505 <xsd:annotation>
6506 <xsd:documentation>
6507 <CodeDescription>
6508 <Title>Technical constraint</Title>
6509 <Definition>A technical constraint has been applied</Definition>
6510 </CodeDescription>
6511 </xsd:documentation>
6512 </xsd:annotation>
6513 </xsd:enumeration>
6514 <xsd:enumeration value="A97">
6515 <xsd:annotation>
6516 <xsd:documentation>
6517 <CodeDescription>
6518 <Title>Force majeure curtailment</Title>
6519 <Definition>Curtailment due to Force Majeure. A code that enables the identification of the
6520 curtailment reason for settlement purposes
6521 </Definition>
6522 </CodeDescription>
6523 </xsd:documentation>
6524 </xsd:annotation>
6525 </xsd:enumeration>
6526 <xsd:enumeration value="A98">
6527 <xsd:annotation>
6528 <xsd:documentation>
6529 <CodeDescription>
6530 <Title>Network security curtailment</Title>
6531 <Definition>Curtailment due to network security reasons A code that enables the identification of
6532 the curtailment reason for settlement purposes
6533 </Definition>
6534 </CodeDescription>
6535 </xsd:documentation>
6536 </xsd:annotation>
6537 </xsd:enumeration>
6538 <xsd:enumeration value="A99">
6539 <xsd:annotation>

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6540         <xsd:documentation>
6541             <CodeDescription>
6542                 <Title>Auction cancelled</Title>
6543                 <Definition>The auction has been cancelled</Definition>
6544             </CodeDescription>
6545         </xsd:documentation>
6546     </xsd:annotation>
6547 </xsd:enumeration>
6548 <xsd:enumeration value="B01">
6549     <xsd:annotation>
6550         <xsd:documentation>
6551             <CodeDescription>
6552                 <Title>Incomplete document</Title>
6553                 <Definition>The document is incomplete and cannot be processed</Definition>
6554             </CodeDescription>
6555         </xsd:documentation>
6556     </xsd:annotation>
6557 </xsd:enumeration>
6558 <xsd:enumeration value="B02">
6559     <xsd:annotation>
6560         <xsd:documentation>
6561             <CodeDescription>
6562                 <Title>Accounting Point (tie-line) Time Series missing</Title>
6563                 <Definition>The document is incomplete as a time series for an accounting point is
6564 missing</Definition>
6565             </CodeDescription>
6566         </xsd:documentation>
6567     </xsd:annotation>
6568 </xsd:enumeration>
6569 <xsd:enumeration value="B03">
6570     <xsd:annotation>
6571         <xsd:documentation>
6572             <CodeDescription>
6573                 <Title>Meter data Time series missing</Title>
6574                 <Definition>The document is incomplete as a time series for meter data is missing</Definition>
6575             </CodeDescription>
6576         </xsd:documentation>
6577     </xsd:annotation>
6578 </xsd:enumeration>
6579 <xsd:enumeration value="B04">
6580     <xsd:annotation>
6581         <xsd:documentation>
6582             <CodeDescription>
6583                 <Title>Estimated values not allowed in first transmission</Title>
6584                 <Definition>The document is in its initial form and estimated values are not allowed</Definition>
6585             </CodeDescription>
6586         </xsd:documentation>
6587     </xsd:annotation>
6588 </xsd:enumeration>
6589 <xsd:enumeration value="B05">
6590     <xsd:annotation>
6591         <xsd:documentation>
6592             <CodeDescription>
6593                 <Title>No quantity values allowed for a quality that is not available</Title>
6594                 <Definition>No quantity values are allowed for a quality that is not available.</Definition>
6595             </CodeDescription>
6596         </xsd:documentation>
6597     </xsd:annotation>
6598 </xsd:enumeration>
6599 <xsd:enumeration value="B06">
6600     <xsd:annotation>
6601         <xsd:documentation>
6602             <CodeDescription>
6603                 <Title>Time series accepted</Title>
6604                 <Definition>Time series accepted for processing but not yet matched with counterparty and/or not
6605 yet verified against capacity.</Definition>
6606             </CodeDescription>
6607         </xsd:documentation>
6608     </xsd:annotation>
6609 </xsd:enumeration>
6610 <xsd:enumeration value="B07">
6611     <xsd:annotation>
6612         <xsd:documentation>
6613             <CodeDescription>
6614                 <Title>Auction without bids being entered</Title>
6615                 <Definition>The auction has terminated without any bids being submitted. The ReasonText may
6616 provide the identification of the auction in question.</Definition>
6617             </CodeDescription>
6618         </xsd:documentation>
6619     </xsd:annotation>
6620 </xsd:enumeration>
6621 <xsd:enumeration value="B08">
6622     <xsd:annotation>
6623         <xsd:documentation>
6624             <CodeDescription>
6625                 <Title>Data not yet available</Title>
6626                 <Definition>It is not possible to perform the necessary action since the required data for this
6627 action is not yet available.</Definition>
6628             </CodeDescription>
6629         </xsd:documentation>
6630     </xsd:annotation>
6631 </xsd:enumeration>
6632 <xsd:enumeration value="B09">
6633     <xsd:annotation>
6634         <xsd:documentation>
6635             <CodeDescription>

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6636         <Title>Bid not accepted</Title>
6637         <Definition>The bid in question has NOT been accepted.</Definition>
6638     </CodeDescription>
6639 </xsd:documentation>
6640 </xsd:annotation>
6641 </xsd:enumeration>
6642 <xsd:enumeration value="B10">
6643     <xsd:annotation>
6644         <xsd:documentation>
6645             <CodeDescription>
6646                 <Title>Initiator area problem</Title>
6647                 <Definition>The problem concerns the initiator area.</Definition>
6648             </CodeDescription>
6649         </xsd:documentation>
6650     </xsd:annotation>
6651 </xsd:enumeration>
6652 <xsd:enumeration value="B11">
6653     <xsd:annotation>
6654         <xsd:documentation>
6655             <CodeDescription>
6656                 <Title>Cooperating area problem</Title>
6657                 <Definition>The problem concerns the cooperating area.</Definition>
6658             </CodeDescription>
6659         </xsd:documentation>
6660     </xsd:annotation>
6661 </xsd:enumeration>
6662 <xsd:enumeration value="B12">
6663     <xsd:annotation>
6664         <xsd:documentation>
6665             <CodeDescription>
6666                 <Title>Communication status currently active</Title>
6667                 <Definition>The status within the system indicates that the communication capability is currently
6668 active.</Definition>
6669             </CodeDescription>
6670         </xsd:documentation>
6671     </xsd:annotation>
6672 </xsd:enumeration>
6673 <xsd:enumeration value="B13">
6674     <xsd:annotation>
6675         <xsd:documentation>
6676             <CodeDescription>
6677                 <Title>Communication status currently inactive</Title>
6678                 <Definition>The status within the system indicates that the communication capability is currently
6679 inactive.</Definition>
6680             </CodeDescription>
6681         </xsd:documentation>
6682     </xsd:annotation>
6683 </xsd:enumeration>
6684 <xsd:enumeration value="B14">
6685     <xsd:annotation>
6686         <xsd:documentation>
6687             <CodeDescription>
6688                 <Title>Communication status currently restricted</Title>
6689                 <Definition>The status within the system indicates that the communication capability is currently
6690 restricted.</Definition>
6691             </CodeDescription>
6692         </xsd:documentation>
6693     </xsd:annotation>
6694 </xsd:enumeration>
6695 <xsd:enumeration value="B15">
6696     <xsd:annotation>
6697         <xsd:documentation>
6698             <CodeDescription>
6699                 <Title>Problem associated with both areas</Title>
6700                 <Definition>The problem concerns both areas.</Definition>
6701             </CodeDescription>
6702         </xsd:documentation>
6703     </xsd:annotation>
6704 </xsd:enumeration>
6705 <xsd:enumeration value="999">
6706     <xsd:annotation>
6707         <xsd:documentation>
6708             <CodeDescription>
6709                 <Title>Errors not specifically identified </Title>
6710                 <Definition>This code is used to identify errors that have not been specifically addressed in the
6711 Reason code list. It can be used at any level and refers to the level for which it has been identified.</Definition>
6712             </CodeDescription>
6713         </xsd:documentation>
6714     </xsd:annotation>
6715 </xsd:enumeration>
6716 </xsd:restriction>
6717 </xsd:simpleType>
6718 <!-- RightsTypeList -->
6719 <xsd:simpleType name="RightsTypeList">
6720     <xsd:annotation>
6721         <xsd:documentation>
6722             <UId>ET0938</UId>
6723             <Definition>The rights of use that is accorded to what is acquired in an auction.</Definition>
6724         </xsd:documentation>
6725     </xsd:annotation>
6726     <xsd:restriction base="xsd:NMTOKEN">
6727         <xsd:enumeration value="A01">
6728             <xsd:annotation>
6729                 <xsd:documentation>
6730                     <CodeDescription>
6731                         <Title>Use It Or Lose It</Title>

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6732         <Definition>Any rights not nominated shall be lost.</Definition>
6733     </CodeDescription>
6734 </xsd:documentation>
6735 </xsd:annotation>
6736 </xsd:enumeration>
6737 <xsd:enumeration value="A02">
6738     <xsd:annotation>
6739         <xsd:documentation>
6740             <CodeDescription>
6741                 <Title>Use It Or Sell It</Title>
6742                 <Definition>Any rights that are not nominated shall be sold</Definition>
6743             </CodeDescription>
6744         </xsd:documentation>
6745     </xsd:annotation>
6746 </xsd:enumeration>
6747 <xsd:enumeration value="A03">
6748     <xsd:annotation>
6749         <xsd:documentation>
6750             <CodeDescription>
6751                 <Title>Allocation curtailment possible</Title>
6752                 <Definition>Rights acquired may be curtailed</Definition>
6753             </CodeDescription>
6754         </xsd:documentation>
6755     </xsd:annotation>
6756 </xsd:enumeration>
6757 <xsd:enumeration value="A04">
6758     <xsd:annotation>
6759         <xsd:documentation>
6760             <CodeDescription>
6761                 <Title>Nomination curtailment possible</Title>
6762                 <Definition>Rights acquired may be curtailed at nomination.</Definition>
6763             </CodeDescription>
6764         </xsd:documentation>
6765     </xsd:annotation>
6766 </xsd:enumeration>
6767 <xsd:enumeration value="A05">
6768     <xsd:annotation>
6769         <xsd:documentation>
6770             <CodeDescription>
6771                 <Title>Resale possible</Title>
6772                 <Definition>Acquired rights may be resold.</Definition>
6773             </CodeDescription>
6774         </xsd:documentation>
6775     </xsd:annotation>
6776 </xsd:enumeration>
6777 <xsd:enumeration value="A06">
6778     <xsd:annotation>
6779         <xsd:documentation>
6780             <CodeDescription>
6781                 <Title>Transfer possible</Title>
6782                 <Definition>Acquired rights may be transferred.</Definition>
6783             </CodeDescription>
6784         </xsd:documentation>
6785     </xsd:annotation>
6786 </xsd:enumeration>
6787 </xsd:restriction>
6788 </xsd:simpleType>
6789 <!-- RoleTypeList -->
6790 <xsd:simpleType name="RoleTypeList">
6791     <xsd:annotation>
6792         <xsd:documentation>
6793             <UId>ET0005</UId>
6794             <Definition>Identification of the role played by a party.</Definition>
6795         </xsd:documentation>
6796     </xsd:annotation>
6797     <xsd:restriction base="xsd:NMTOKEN">
6798         <xsd:enumeration value="A01">
6799             <xsd:annotation>
6800                 <xsd:documentation>
6801                     <CodeDescription>
6802                         <Title>Trade responsible party</Title>
6803                         <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6804 Document</Definition>
6805                     </CodeDescription>
6806                 </xsd:documentation>
6807             </xsd:annotation>
6808 </xsd:enumeration>
6809 <xsd:enumeration value="A02">
6810     <xsd:annotation>
6811         <xsd:documentation>
6812             <CodeDescription>
6813                 <Title>Consumption responsible party</Title>
6814                 <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6815 Document</Definition>
6816             </CodeDescription>
6817         </xsd:documentation>
6818     </xsd:annotation>
6819 </xsd:enumeration>
6820 <xsd:enumeration value="A03">
6821     <xsd:annotation>
6822         <xsd:documentation>
6823             <CodeDescription>
6824                 <Title>Combined power exchange (not to be used)</Title>
6825                 <Definition>This role is no longer in the ENTSO-E Harmonised Role Model Document</Definition>
6826             </CodeDescription>
6827         </xsd:documentation>

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6828         </xsd:annotation>
6829     </xsd:enumeration>
6830     <xsd:enumeration value="A04">
6831         <xsd:annotation>
6832             <xsd:documentation>
6833                 <CodeDescription>
6834                     <Title>System operator</Title>
6835                     <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6836 Document</Definition>
6837                 </CodeDescription>
6838             </xsd:documentation>
6839         </xsd:annotation>
6840     </xsd:enumeration>
6841     <xsd:enumeration value="A05">
6842         <xsd:annotation>
6843             <xsd:documentation>
6844                 <CodeDescription>
6845                     <Title>Imbalance settlement responsible</Title>
6846                     <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6847 Document</Definition>
6848                 </CodeDescription>
6849             </xsd:documentation>
6850         </xsd:annotation>
6851     </xsd:enumeration>
6852     <xsd:enumeration value="A06">
6853         <xsd:annotation>
6854             <xsd:documentation>
6855                 <CodeDescription>
6856                     <Title>Production responsible party</Title>
6857                     <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6858 Document</Definition>
6859                 </CodeDescription>
6860             </xsd:documentation>
6861         </xsd:annotation>
6862     </xsd:enumeration>
6863     <xsd:enumeration value="A07">
6864         <xsd:annotation>
6865             <xsd:documentation>
6866                 <CodeDescription>
6867                     <Title>Transmission capacity allocator</Title>
6868                     <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6869 Document</Definition>
6870                 </CodeDescription>
6871             </xsd:documentation>
6872         </xsd:annotation>
6873     </xsd:enumeration>
6874     <xsd:enumeration value="A08">
6875         <xsd:annotation>
6876             <xsd:documentation>
6877                 <CodeDescription>
6878                     <Title>Balance responsible party</Title>
6879                     <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6880 Document</Definition>
6881                 </CodeDescription>
6882             </xsd:documentation>
6883         </xsd:annotation>
6884     </xsd:enumeration>
6885     <xsd:enumeration value="A09">
6886         <xsd:annotation>
6887             <xsd:documentation>
6888                 <CodeDescription>
6889                     <Title>Metered data aggregator</Title>
6890                     <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6891 Document</Definition>
6892                 </CodeDescription>
6893             </xsd:documentation>
6894         </xsd:annotation>
6895     </xsd:enumeration>
6896     <xsd:enumeration value="A10">
6897         <xsd:annotation>
6898             <xsd:documentation>
6899                 <CodeDescription>
6900                     <Title>Billing agent</Title>
6901                     <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6902 Document</Definition>
6903                 </CodeDescription>
6904             </xsd:documentation>
6905         </xsd:annotation>
6906     </xsd:enumeration>
6907     <xsd:enumeration value="A11">
6908         <xsd:annotation>
6909             <xsd:documentation>
6910                 <CodeDescription>
6911                     <Title>Market operator</Title>
6912                     <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6913 Document</Definition>
6914                 </CodeDescription>
6915             </xsd:documentation>
6916         </xsd:annotation>
6917     </xsd:enumeration>
6918     <xsd:enumeration value="A12">
6919         <xsd:annotation>
6920             <xsd:documentation>
6921                 <CodeDescription>
6922                     <Title>Balance supplier</Title>
6923                     <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model

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6924 Document</Definition>
6925     </CodeDescription>
6926     </xsd:documentation>
6927     </xsd:annotation>
6928 </xsd:enumeration>
6929 <xsd:enumeration value="A13">
6930     <xsd:annotation>
6931         <xsd:documentation>
6932             <CodeDescription>
6933                 <Title>Consumer</Title>
6934                 <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6935 Document</Definition>
6936     </CodeDescription>
6937     </xsd:documentation>
6938     </xsd:annotation>
6939 </xsd:enumeration>
6940 <xsd:enumeration value="A14">
6941     <xsd:annotation>
6942         <xsd:documentation>
6943             <CodeDescription>
6944                 <Title>Control area operator</Title>
6945                 <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6946 Document</Definition>
6947     </CodeDescription>
6948     </xsd:documentation>
6949     </xsd:annotation>
6950 </xsd:enumeration>
6951 <xsd:enumeration value="A15">
6952     <xsd:annotation>
6953         <xsd:documentation>
6954             <CodeDescription>
6955                 <Title>Control block operator</Title>
6956                 <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6957 Document</Definition>
6958     </CodeDescription>
6959     </xsd:documentation>
6960     </xsd:annotation>
6961 </xsd:enumeration>
6962 <xsd:enumeration value="A16">
6963     <xsd:annotation>
6964         <xsd:documentation>
6965             <CodeDescription>
6966                 <Title>Coordination center operator</Title>
6967                 <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6968 Document</Definition>
6969     </CodeDescription>
6970     </xsd:documentation>
6971     </xsd:annotation>
6972 </xsd:enumeration>
6973 <xsd:enumeration value="A17">
6974     <xsd:annotation>
6975         <xsd:documentation>
6976             <CodeDescription>
6977                 <Title>Grid access provider</Title>
6978                 <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6979 Document</Definition>
6980     </CodeDescription>
6981     </xsd:documentation>
6982     </xsd:annotation>
6983 </xsd:enumeration>
6984 <xsd:enumeration value="A18">
6985     <xsd:annotation>
6986         <xsd:documentation>
6987             <CodeDescription>
6988                 <Title>Grid operator</Title>
6989                 <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
6990 Document</Definition>
6991     </CodeDescription>
6992     </xsd:documentation>
6993     </xsd:annotation>
6994 </xsd:enumeration>
6995 <xsd:enumeration value="A19">
6996     <xsd:annotation>
6997         <xsd:documentation>
6998             <CodeDescription>
6999                 <Title>Meter administrator</Title>
7000                 <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7001 Document</Definition>
7002     </CodeDescription>
7003     </xsd:documentation>
7004     </xsd:annotation>
7005 </xsd:enumeration>
7006 <xsd:enumeration value="A20">
7007     <xsd:annotation>
7008         <xsd:documentation>
7009             <CodeDescription>
7010                 <Title>Party connected to grid</Title>
7011                 <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7012 Document</Definition>
7013     </CodeDescription>
7014     </xsd:documentation>
7015     </xsd:annotation>
7016 </xsd:enumeration>
7017 <xsd:enumeration value="A21">
7018     <xsd:annotation>
7019         <xsd:documentation>

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7020         <CodeDescription>
7021         <Title>Producer</Title>
7022         <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7023 Document</Definition>
7024         </CodeDescription>
7025     </xsd:documentation>
7026 </xsd:annotation>
7027 </xsd:enumeration>
7028 <xsd:enumeration value="A22">
7029     <xsd:annotation>
7030         <xsd:documentation>
7031             <CodeDescription>
7032             <Title>Profile maintenance party</Title>
7033             <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7034 Document</Definition>
7035             </CodeDescription>
7036         </xsd:documentation>
7037     </xsd:annotation>
7038 </xsd:enumeration>
7039 <xsd:enumeration value="A23">
7040     <xsd:annotation>
7041         <xsd:documentation>
7042             <CodeDescription>
7043             <Title>Meter operator</Title>
7044             <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7045 Document</Definition>
7046             </CodeDescription>
7047         </xsd:documentation>
7048     </xsd:annotation>
7049 </xsd:enumeration>
7050 <xsd:enumeration value="A24">
7051     <xsd:annotation>
7052         <xsd:documentation>
7053             <CodeDescription>
7054             <Title>Metered data collector</Title>
7055             <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7056 Document</Definition>
7057             </CodeDescription>
7058         </xsd:documentation>
7059     </xsd:annotation>
7060 </xsd:enumeration>
7061 <xsd:enumeration value="A25">
7062     <xsd:annotation>
7063         <xsd:documentation>
7064             <CodeDescription>
7065             <Title>Metered data responsible</Title>
7066             <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7067 Document</Definition>
7068             </CodeDescription>
7069         </xsd:documentation>
7070     </xsd:annotation>
7071 </xsd:enumeration>
7072 <xsd:enumeration value="A26">
7073     <xsd:annotation>
7074         <xsd:documentation>
7075             <CodeDescription>
7076             <Title>Metering point administrator</Title>
7077             <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7078 Document</Definition>
7079             </CodeDescription>
7080         </xsd:documentation>
7081     </xsd:annotation>
7082 </xsd:enumeration>
7083 <xsd:enumeration value="A27">
7084     <xsd:annotation>
7085         <xsd:documentation>
7086             <CodeDescription>
7087             <Title>Resource Provider</Title>
7088             <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7089 Document</Definition>
7090             </CodeDescription>
7091         </xsd:documentation>
7092     </xsd:annotation>
7093 </xsd:enumeration>
7094 <xsd:enumeration value="A28">
7095     <xsd:annotation>
7096         <xsd:documentation>
7097             <CodeDescription>
7098             <Title>Scheduling coordinator</Title>
7099             <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7100 Document</Definition>
7101             </CodeDescription>
7102         </xsd:documentation>
7103     </xsd:annotation>
7104 </xsd:enumeration>
7105 <xsd:enumeration value="A29">
7106     <xsd:annotation>
7107         <xsd:documentation>
7108             <CodeDescription>
7109             <Title>Capacity Trader</Title>
7110             <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7111 Document</Definition>
7112             </CodeDescription>
7113         </xsd:documentation>
7114     </xsd:annotation>
7115 </xsd:enumeration>

```

```

7116         <xsd:enumeration value="A30">
7117             <xsd:annotation>
7118                 <xsd:documentation>
7119                     <CodeDescription>
7120                         <Title>Interconnection Trade Responsible</Title>
7121                         <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7122 Document</Definition>
7123                     </CodeDescription>
7124                 </xsd:documentation>
7125             </xsd:annotation>
7126         </xsd:enumeration>
7127         <xsd:enumeration value="A31">
7128             <xsd:annotation>
7129                 <xsd:documentation>
7130                     <CodeDescription>
7131                         <Title>Nomination Validator</Title>
7132                         <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model
7133 Document</Definition>
7134                     </CodeDescription>
7135                 </xsd:documentation>
7136             </xsd:annotation>
7137         </xsd:enumeration>
7138         <xsd:enumeration value="A32">
7139             <xsd:annotation>
7140                 <xsd:documentation>
7141                     <CodeDescription>
7142                         <Title>Market information aggregator</Title>
7143                         <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model Document. A party
7144 that collects information from different sources and assembles it to provide a summary of the market</Definition>
7145                     </CodeDescription>
7146                 </xsd:documentation>
7147             </xsd:annotation>
7148         </xsd:enumeration>
7149         <xsd:enumeration value="A33">
7150             <xsd:annotation>
7151                 <xsd:documentation>
7152                     <CodeDescription>
7153                         <Title>Information receiver</Title>
7154                         <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model Document. A
7155 party, not necessarily a market participant, that receives information about the market</Definition>
7156                     </CodeDescription>
7157                 </xsd:documentation>
7158             </xsd:annotation>
7159         </xsd:enumeration>
7160         <xsd:enumeration value="A34">
7161             <xsd:annotation>
7162                 <xsd:documentation>
7163                     <CodeDescription>
7164                         <Title>Reserve Allocator</Title>
7165                         <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model Document. A party
7166 that informs the market of reserve requirements, receives tenders against the requirements and in compliance with the
7167 prequalification criteria, determines what tenders meet requirements and assigns tenders.</Definition>
7168                     </CodeDescription>
7169                 </xsd:documentation>
7170             </xsd:annotation>
7171         </xsd:enumeration>
7172         <xsd:enumeration value="A35">
7173             <xsd:annotation>
7174                 <xsd:documentation>
7175                     <CodeDescription>
7176                         <Title>MOL Responsible</Title>
7177                         <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model Document. A party
7178 that informs the market of reserve requirements, receives tenders against the requirements and in compliance with the
7179 prequalification criteria, determines what tenders meet requirements and assigns tenders.</Definition>
7180                     </CodeDescription>
7181                 </xsd:documentation>
7182             </xsd:annotation>
7183         </xsd:enumeration>
7184         <xsd:enumeration value="A36">
7185             <xsd:annotation>
7186                 <xsd:documentation>
7187                     <CodeDescription>
7188                         <Title>Capacity Coordinator</Title>
7189                         <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model Document. A
7190 party, acting on behalf of the SOs involved, responsible for establishing a coordinated Offered Capacity and/or NTC and/or
7191 ATC between several Market Balance Areas.</Definition>
7192                     </CodeDescription>
7193                 </xsd:documentation>
7194             </xsd:annotation>
7195         </xsd:enumeration>
7196         <xsd:enumeration value="A37">
7197             <xsd:annotation>
7198                 <xsd:documentation>
7199                     <CodeDescription>
7200                         <Title>Reconciliation Accountable</Title>
7201                         <Definition>Refer to role model definitions in the ENTSO-E Harmonised Role Model Document. A party
7202 that is financially accountable for the reconciled volume of energy products for a profiled local metering
7203 point.</Definition>
7204                     </CodeDescription>
7205                 </xsd:documentation>
7206             </xsd:annotation>
7207         </xsd:enumeration>
7208         <xsd:enumeration value="A38">
7209             <xsd:annotation>
7210                 <xsd:documentation>
7211                     <CodeDescription>

```

```

7212         <Title>Reconciliation Responsible</Title>
7213         <Definition>A party that is responsible for reconciling, within a metering grid area, the volumes
7214         used in the imbalance settlement process for profiled metering points and the actual metered quantities.</Definition>
7215         </CodeDescription>
7216         </xsd:documentation>
7217     </xsd:annotation>
7218     </xsd:enumeration>
7219 </xsd:restriction>
7220 </xsd:simpleType>
7221 <!-- StatusTypeList -->
7222 <xsd:simpleType name="StatusTypeList">
7223     <xsd:annotation>
7224         <xsd:documentation>
7225             <UId>ET0025</UId>
7226             <Definition>The condition or position of an object with regard to its standing.</Definition>
7227         </xsd:documentation>
7228     </xsd:annotation>
7229     <xsd:restriction base="xsd:NMTOKEN">
7230         <xsd:enumeration value="A01">
7231             <xsd:annotation>
7232                 <xsd:documentation>
7233                     <CodeDescription>
7234                         <Title>Intermediate</Title>
7235                         <Definition>The document is in a non finalized state.</Definition>
7236                     </CodeDescription>
7237                 </xsd:documentation>
7238             </xsd:annotation>
7239         </xsd:enumeration>
7240         <xsd:enumeration value="A02">
7241             <xsd:annotation>
7242                 <xsd:documentation>
7243                     <CodeDescription>
7244                         <Title>Final</Title>
7245                         <Definition>The document is in a definitive state.</Definition>
7246                     </CodeDescription>
7247                 </xsd:documentation>
7248             </xsd:annotation>
7249         </xsd:enumeration>
7250         <xsd:enumeration value="A03">
7251             <xsd:annotation>
7252                 <xsd:documentation>
7253                     <CodeDescription>
7254                         <Title>Deactivated</Title>
7255                         <Definition>The object being reported has been deactivated</Definition>
7256                     </CodeDescription>
7257                 </xsd:documentation>
7258             </xsd:annotation>
7259         </xsd:enumeration>
7260         <xsd:enumeration value="A04">
7261             <xsd:annotation>
7262                 <xsd:documentation>
7263                     <CodeDescription>
7264                         <Title>Reactivated</Title>
7265                         <Definition>The object being reported has been reactivated</Definition>
7266                     </CodeDescription>
7267                 </xsd:documentation>
7268             </xsd:annotation>
7269         </xsd:enumeration>
7270         <xsd:enumeration value="A05">
7271             <xsd:annotation>
7272                 <xsd:documentation>
7273                     <CodeDescription>
7274                         <Title>Active</Title>
7275                         <Definition>The object being reported is currently active</Definition>
7276                     </CodeDescription>
7277                 </xsd:documentation>
7278             </xsd:annotation>
7279         </xsd:enumeration>
7280         <xsd:enumeration value="A06">
7281             <xsd:annotation>
7282                 <xsd:documentation>
7283                     <CodeDescription>
7284                         <Title>Available</Title>
7285                         <Definition>The tender indicated in the time series has the indicated quantities
7286         available.</Definition>
7287                     </CodeDescription>
7288                 </xsd:documentation>
7289             </xsd:annotation>
7290         </xsd:enumeration>
7291         <xsd:enumeration value="A07">
7292             <xsd:annotation>
7293                 <xsd:documentation>
7294                     <CodeDescription>
7295                         <Title>Activated</Title>
7296                         <Definition>The quantities in the time series have been activated.</Definition>
7297                     </CodeDescription>
7298                 </xsd:documentation>
7299             </xsd:annotation>
7300         </xsd:enumeration>
7301         <xsd:enumeration value="A08">
7302             <xsd:annotation>
7303                 <xsd:documentation>
7304                     <CodeDescription>
7305                         <Title>In process</Title>
7306                         <Definition>The quantities in the time series are in the process of activation (an activation
7307         request has been made).</Definition>

```

```

7308         </CodeDescription>
7309     </xsd:documentation>
7310 </xsd:annotation>
7311 </xsd:enumeration>
7312 <xsd:enumeration value="A09">
7313     <xsd:annotation>
7314         <xsd:documentation>
7315             <CodeDescription>
7316                 <Title>Cancelled</Title>
7317                 <Definition>The tender indicated in the time series has been completely cancelled. In this case
7318 the resources are no longer available to all Acquiring System Operators</Definition>
7319             </CodeDescription>
7320         </xsd:documentation>
7321     </xsd:annotation>
7322 </xsd:enumeration>
7323 <xsd:enumeration value="A10">
7324     <xsd:annotation>
7325         <xsd:documentation>
7326             <CodeDescription>
7327                 <Title>Ordered</Title>
7328                 <Definition>The quantities in the time series are to be activated.</Definition>
7329             </CodeDescription>
7330         </xsd:documentation>
7331     </xsd:annotation>
7332 </xsd:enumeration>
7333 <xsd:enumeration value="A11">
7334     <xsd:annotation>
7335         <xsd:documentation>
7336             <CodeDescription>
7337                 <Title>No longer available</Title>
7338                 <Definition>The tender indicated in the time series is no longer available (in the case where this
7339 is in an activation response document the resources are no longer available to the Acquiring System Operator).</Definition>
7340             </CodeDescription>
7341         </xsd:documentation>
7342     </xsd:annotation>
7343 </xsd:enumeration>
7344 <xsd:enumeration value="A12">
7345     <xsd:annotation>
7346         <xsd:documentation>
7347             <CodeDescription>
7348                 <Title>RGCE agreed</Title>
7349                 <Definition>The information has been agreed within the ENTSO-E Regional Group Continental Europe
7350 process.</Definition>
7351             </CodeDescription>
7352         </xsd:documentation>
7353     </xsd:annotation>
7354 </xsd:enumeration>
7355 </xsd:restriction>
7356 </xsd:simpleType>
7357 <!-- TariffTypeTypeList -->
7358 <xsd:simpleType name="TariffTypeTypeList">
7359     <xsd:annotation>
7360         <xsd:documentation>
7361             <UId>ET0039</UId>
7362             <Definition>The standard tariff types as defined in the UCTE policies.</Definition>
7363         </xsd:documentation>
7364     </xsd:annotation>
7365     <xsd:restriction base="xsd:NMTOKEN">
7366         <xsd:enumeration value="A01">
7367             <xsd:annotation>
7368                 <xsd:documentation>
7369                     <CodeDescription>
7370                         <Title>Winter HT</Title>
7371                         <Definition>Winter HT tariff.</Definition>
7372                     </CodeDescription>
7373                 </xsd:documentation>
7374             </xsd:annotation>
7375         </xsd:enumeration>
7376         <xsd:enumeration value="A02">
7377             <xsd:annotation>
7378                 <xsd:documentation>
7379                     <CodeDescription>
7380                         <Title>Winter HHT</Title>
7381                         <Definition>Winter HHT tariff.</Definition>
7382                     </CodeDescription>
7383                 </xsd:documentation>
7384             </xsd:annotation>
7385         </xsd:enumeration>
7386         <xsd:enumeration value="A03">
7387             <xsd:annotation>
7388                 <xsd:documentation>
7389                     <CodeDescription>
7390                         <Title>Winter NT</Title>
7391                         <Definition>Winter NT tariff.</Definition>
7392                     </CodeDescription>
7393                 </xsd:documentation>
7394             </xsd:annotation>
7395         </xsd:enumeration>
7396         <xsd:enumeration value="A04">
7397             <xsd:annotation>
7398                 <xsd:documentation>
7399                     <CodeDescription>
7400                         <Title>Summer HT</Title>
7401                         <Definition>Summer HT tariff.</Definition>
7402                     </CodeDescription>
7403                 </xsd:documentation>

```

```

7404         </xsd:annotation>
7405     </xsd:enumeration>
7406     <xsd:enumeration value="A05">
7407         <xsd:annotation>
7408             <xsd:documentation>
7409                 <CodeDescription>
7410                     <Title>Summer HHT1</Title>
7411                     <Definition>Summer HHT1 tariff.</Definition>
7412                 </CodeDescription>
7413             </xsd:documentation>
7414         </xsd:annotation>
7415     </xsd:enumeration>
7416     <xsd:enumeration value="A06">
7417         <xsd:annotation>
7418             <xsd:documentation>
7419                 <CodeDescription>
7420                     <Title>Summer HHT2</Title>
7421                     <Definition>Summer HHT2 tariff.</Definition>
7422                 </CodeDescription>
7423             </xsd:documentation>
7424         </xsd:annotation>
7425     </xsd:enumeration>
7426     <xsd:enumeration value="A07">
7427         <xsd:annotation>
7428             <xsd:documentation>
7429                 <CodeDescription>
7430                     <Title>Summer NT</Title>
7431                     <Definition>Summer NT tariff.</Definition>
7432                 </CodeDescription>
7433             </xsd:documentation>
7434         </xsd:annotation>
7435     </xsd:enumeration>
7436 </xsd:restriction>
7437 </xsd:simpleType>
7438 <!-- _____ -->
7439 <xsd:simpleType name="UnitOfMeasureTypeList">
7440     <xsd:annotation>
7441         <xsd:documentation>
7442             <UId>ET0011</UId>
7443             <Definition>(synonym MeasurementUnit) The unit of measure that is applied to a quantity. The measurement units
7444 shall be in compliance with UN/ECE Recommendation 20.</Definition>
7445         </xsd:documentation>
7446     </xsd:annotation>
7447     <xsd:restriction base="xsd:NMTOKEN">
7448         <xsd:enumeration value="MWH">
7449             <xsd:annotation>
7450                 <xsd:documentation>
7451                     <CodeDescription>
7452                         <Title>Mega watt hours </Title>
7453                         <Definition>The total amount of bulk energy transferred or consumed.</Definition>
7454                     </CodeDescription>
7455                 </xsd:documentation>
7456             </xsd:annotation>
7457         </xsd:enumeration>
7458         <xsd:enumeration value="MAW">
7459             <xsd:annotation>
7460                 <xsd:documentation>
7461                     <CodeDescription>
7462                         <Title>Mega watt </Title>
7463                         <Definition>A unit of bulk power flow, which can be defined as the rate of energy transfer
7464 /consumption when a current of 1000 amperes flows due to a potential of 1000 volts at unity power factor expressed in
7465 millions of a watt</Definition>
7466                     </CodeDescription>
7467                 </xsd:documentation>
7468             </xsd:annotation>
7469         </xsd:enumeration>
7470         <xsd:enumeration value="MAH">
7471             <xsd:annotation>
7472                 <xsd:documentation>
7473                     <CodeDescription>
7474                         <Title>Mega volt ampere reactive hours </Title>
7475                         <Definition>Total amount of reactive power across a power system.</Definition>
7476                     </CodeDescription>
7477                 </xsd:documentation>
7478             </xsd:annotation>
7479         </xsd:enumeration>
7480         <xsd:enumeration value="MAR">
7481             <xsd:annotation>
7482                 <xsd:documentation>
7483                     <CodeDescription>
7484                         <Title>Mega volt ampere reactive </Title>
7485                         <Definition>A unit of electrical reactive power represented by a current of one thousand amperes
7486 flowing due to a potential difference of one thousand volts where the sine of the phase angle between them is 1.</Definition>
7487                     </CodeDescription>
7488                 </xsd:documentation>
7489             </xsd:annotation>
7490         </xsd:enumeration>
7491         <xsd:enumeration value="KWT">
7492             <xsd:annotation>
7493                 <xsd:documentation>
7494                     <CodeDescription>
7495                         <Title>kilo watt</Title>
7496                         <Definition>A unit of bulk power flow, which can be defined as the rate of energy transfer
7497 /consumption when a current of 1000 amperes flows due to a potential of 1000 volts at unity power factor expressed in
7498 thousands of a watt</Definition>
7499                     </CodeDescription>

```

```

7500         </xsd:documentation>
7501     </xsd:annotation>
7502 </xsd:enumeration>
7503 <xsd:enumeration value="KWH">
7504     <xsd:annotation>
7505         <xsd:documentation>
7506             <CodeDescription>
7507                 <Title>kilo watt hour</Title>
7508                 <Definition>A total amount of electrical energy transferred or consumed in one hour</Definition>
7509             </CodeDescription>
7510         </xsd:documentation>
7511     </xsd:annotation>
7512 </xsd:enumeration>
7513 <xsd:enumeration value="P1">
7514     <xsd:annotation>
7515         <xsd:documentation>
7516             <CodeDescription>
7517                 <Title>Percent</Title>
7518                 <Definition>A unit of proportion equal to 0.01.</Definition>
7519             </CodeDescription>
7520         </xsd:documentation>
7521     </xsd:annotation>
7522 </xsd:enumeration>
7523 <xsd:enumeration value="MTQ">
7524     <xsd:annotation>
7525         <xsd:documentation>
7526             <CodeDescription>
7527                 <Title>Cubic metre</Title>
7528                 <Definition>A Cubic metre</Definition>
7529             </CodeDescription>
7530         </xsd:documentation>
7531     </xsd:annotation>
7532 </xsd:enumeration>
7533 <xsd:enumeration value="MQS">
7534     <xsd:annotation>
7535         <xsd:documentation>
7536             <CodeDescription>
7537                 <Title>Cubic metres per second</Title>
7538                 <Definition>The volume flow rate of cubic metres per second</Definition>
7539             </CodeDescription>
7540         </xsd:documentation>
7541     </xsd:annotation>
7542 </xsd:enumeration>
7543 <xsd:enumeration value="MTR">
7544     <xsd:annotation>
7545         <xsd:documentation>
7546             <CodeDescription>
7547                 <Title>Metre</Title>
7548                 <Definition>The length of a metre</Definition>
7549             </CodeDescription>
7550         </xsd:documentation>
7551     </xsd:annotation>
7552 </xsd:enumeration>
7553 <xsd:enumeration value="HMQ">
7554     <xsd:annotation>
7555         <xsd:documentation>
7556             <CodeDescription>
7557                 <Title>Cubic hectometres</Title>
7558                 <Definition>A unit of volume equal to one million cubic metres.</Definition>
7559             </CodeDescription>
7560         </xsd:documentation>
7561     </xsd:annotation>
7562 </xsd:enumeration>
7563 </xsd:restriction>
7564 </xsd:simpleType>
7565 <!--
7566 </xsd:schema>
7567
7568
7569
7570

```

7.2 IEC 62325-451-1

7.2.1 ACKNOWLEDGEMENT SCHEMA

```

7571 <?xml version="1.0" encoding="utf-8"?>
7572 <xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:sawsdl="http://www.w3.org/ns/sawsdl"
7573     xmlns:cl="urn:entsoe.eu:wgedi:codelists" xmlns="urn:IEC62325.351:wg16:acknowledgementdocument:5:1"
7574     targetNamespace="urn:IEC62325.351:wg16:acknowledgementdocument:5:1" elementFormDefault="qualified"
7575     attributeFormDefault="unqualified">
7576     <xs:import namespace="urn:entsoe.eu:wgedi:codelists" schemaLocation="wgedi-codelists.xsd"/>
7577     <xs:element name="Acknowledgement_MarketDocument" type="Acknowledgement_MarketDocument"/>
7578     <xs:simpleType name="ID_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7579         <xs:restriction base="xs:string">
7580             <xs:maxLength value="35"/>
7581         </xs:restriction>
7582     </xs:simpleType>
7583     <xs:simpleType name="Message_DateTime" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#DateTime">
7584         <xs:restriction base="xs:dateTime">

```

```
7585     <xs:pattern value="[2][0][0-9][0-9][\-\ ][0-1][0-9][\-\ ][0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-9][Z]" />
7586   </xs:restriction>
7587 </xs:simpleType>
7588 <xs:simpleType name="VersionCode_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7589   <xs:restriction base="xs:string">
7590     <xs:pattern value="[1-9]([0-9]){0,2}" />
7591   </xs:restriction>
7592 </xs:simpleType>
7593 <xs:simpleType name="MessageKind_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7594   <xs:restriction base="cl:MessageTypeList" />
7595 </xs:simpleType>
7596 <xs:simpleType name="PartyID_String-base" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7597   <xs:restriction base="xs:string">
7598     <xs:maxLength value="16" />
7599   </xs:restriction>
7600 </xs:simpleType>
7601 <xs:complexType name="PartyID_String" mixed="false">
7602 sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7603   <xs:simpleContent>
7604     <xs:extension base="PartyID_String-base">
7605       <xs:attribute name="codingScheme" type="cl:CodingSchemeTypeList" use="required" />
7606     </xs:extension>
7607   </xs:simpleContent>
7608 </xs:complexType>
7609 <xs:simpleType name="MarketRoleKind_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7610   <xs:restriction base="cl:RoleTypeList" />
7611 </xs:simpleType>
7612 <xs:complexType name="Acknowledgement_MarketDocument">
7613 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7614 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Acknowledgement_MarketDocument">
7615   <xs:sequence>
7616     <xs:element name="aliasName" type="ID_String"
7617 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7618 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Acknowledgement_MarketDocument.aliasName" />
7619     <xs:element name="createdDateTime" type="Message_DateTime"
7620 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7621 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Acknowledgement_MarketDocument.createdDateTime" />
7622     <xs:element name="sender_MarketParticipant.aliasName" type="PartyID_String"
7623 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7624 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Sender_MarketParticipant.aliasName" />
7625     <xs:element name="sender_MarketParticipant.marketRole.type" type="MarketRoleKind_String"
7626 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7627 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Sender_MarketParticipant.marketRole.type" />
7628     <xs:element name="receiver_MarketParticipant.aliasName" type="PartyID_String"
7629 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7630 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Receiver_MarketParticipant.aliasName" />
7631     <xs:element name="receiver_MarketParticipant.marketRole.type" type="MarketRoleKind_String" minOccurs="0"
7632 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7633 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Receiver_MarketParticipant.marketRole.type" />
7634     <xs:element name="received_MarketDocument.aliasName" type="ID_String" minOccurs="0"
7635 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7636 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Received_MarketDocument.aliasName" />
7637     <xs:element name="received_MarketDocument.revisionNumber" type="VersionCode_String" minOccurs="0"
7638 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7639 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Received_MarketDocument.revisionNumber" />
7640     <xs:element name="received_MarketDocument.type" type="MessageKind_String" minOccurs="0"
7641 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7642 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Received_MarketDocument.type" />
7643     <xs:element name="received_MarketDocument.title" type="ID_String" minOccurs="0"
7644 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7645 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Received_MarketDocument.title" />
7646     <xs:element name="received_MarketDocument.createdDateTime" type="Message_DateTime" minOccurs="0"
7647 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7648 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Received_MarketDocument.createdDateTime" />
7649     <xs:element name="Rejected_TimeSeries" type="TimeSeries" minOccurs="0" maxOccurs="unbounded"
7650 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7651 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#MarketDocument.Rejected_TimeSeries" />
7652     <xs:element name="Reason" type="Reason" maxOccurs="unbounded"
7653 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7654 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#MarketDocument.Reason" />
7655     <xs:element name="InError_Period" type="Time_Period" minOccurs="0" maxOccurs="unbounded"
7656 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7657 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#MarketDocument.InError_Period" />
7658   </xs:sequence>
7659   <xs:attribute name="schemaVersion" type="xs:string" use="required" />
7660   <xs:attribute name="schemaRelease" type="xs:string" use="required" />
7661 </xs:complexType>
7662 <xs:simpleType name="ReasonCode_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7663   <xs:restriction base="cl:ReasonCodeTypeList" />
7664 </xs:simpleType>
7665 <xs:simpleType name="ReasonText_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7666   <xs:restriction base="xs:string">
7667     <xs:maxLength value="512" />
7668   </xs:restriction>
7669 </xs:simpleType>
7670 <xs:complexType name="Reason">
7671 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7672 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Reason">
7673   <xs:sequence>
7674     <xs:element name="code" type="ReasonCode_String"
7675 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7676 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Reason.code" />
7677     <xs:element name="text" type="ReasonText_String" minOccurs="0"
7678 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7679 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Reason.text" />
7680   </xs:sequence>
```



```

7681     </xs:complexType>
7682     <xs:complexType name="DateTimeInterval"
7683     sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#DateTimeInterval">
7684       <xs:sequence>
7685         <xs:element name="end" type="Message_DateTime"
7686         sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ESMP_Libraries/ESMPDataTypes#DateTimeInterval.end"/>
7687         <xs:element name="start" type="Message_DateTime"
7688         sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ESMP_Libraries/ESMPDataTypes#DateTimeInterval.start"/>
7689       </xs:sequence>
7690     </xs:complexType>
7691     <xs:complexType name="Time_Period"
7692     sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknowledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#Time_Period">
7693       <xs:sequence>
7694         <xs:element name="timeInterval" type="DateTimeInterval"
7695         sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknowledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#Time_Period.timeInterval"/>
7696         <xs:element name="Reason" type="Reason" maxOccurs="unbounded"
7697         sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknowledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#Time_Period.Reason"/>
7698       </xs:sequence>
7699     </xs:complexType>
7700     <xs:complexType name="TimeSeries"
7701     sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknowledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#TimeSeries">
7702       <xs:sequence>
7703         <xs:element name="aliasName" type="ID_String"
7704         sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknowledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#TimeSeries.aliasName"/>
7705         <xs:element name="version" type="VersionCode_String" minOccurs="0"
7706         sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknowledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#TimeSeries.version"/>
7707         <xs:element name="InError_Period" type="Time_Period" minOccurs="0" maxOccurs="unbounded"
7708         sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknowledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#TimeSeries.InError_Period"/>
7709         <xs:element name="Reason" type="Reason" minOccurs="0" maxOccurs="unbounded"
7710         sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknowledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#TimeSeries.Reason"/>
7711       </xs:sequence>
7712     </xs:complexType>
7713   </xs:schema>

```

7724

7725 7.2.2 CODELIST

7726 The IEC codelist is identical to the ENTSO-E codelist except for the name of codingScheme
7727 codelist changed from "CodingSchemeType" to "CodingSchemeTypeList".

7728 The ENTSO-E codelist line:

7729 `<xsd:simpleType name="CodingSchemeType">`

7730 is changed into the following line:

7731 `<xsd:simpleType name="CodingSchemeTypeList">`

7732 7.2.3 MODIFIED PATTERN FOR ACKNOWLEDGEMENT SCHEMA

7733 In order to handle the milliseconds (as optional) in the information for the creation of the
7734 document, the following schema was generated:

```

7735 <?xml version="1.0" encoding="utf-8"?>
7736 <!-- edited with XMLSpy v2011 rel. 2 (http://www.altova.com) by RTE (RTE) -->
7737 <xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:sawsdl="http://www.w3.org/ns/sawsdl"
7738 xmlns:cl="urn:entsoe.eu:wgedi:codelists" xmlns="urn:IEC62325.351:wgl6:acknowledgementdocument:5:1"
7739 targetNamespaces="urn:IEC62325.351:wgl6:acknowledgementdocument:5:1" elementFormDefault="qualified"
7740 attributeFormDefault="unqualified">
7741   <xs:import namespace="urn:entsoe.eu:wgedi:codelists" schemaLocation="wgedi-codelists.xsd"/>
7742   <xs:element name="Acknowledgement_MarketDocument" type="Acknowledgement_MarketDocument"/>
7743   <xs:simpleType name="ID_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7744     <xs:restriction base="xs:string">
7745       <xs:maxLength value="35"/>
7746     </xs:restriction>
7747   </xs:simpleType>
7748   <xs:simpleType name="Message_DateTime" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#DateTime">
7749     <xs:restriction base="xs:dateTime">
7750       <xs:pattern value="[2][0][0-9][0-9][\-\:]?[0-1][0-9][\-\:]?[0-3][0-9][T][0-2][0-9][:][0-5][0-9][:][0-5][0-9][\(\.][0-9][0-9][0-9][\)]{0,1}[Z]" />
7751     </xs:restriction>

```



```

7752     </xs:restriction>
7753   </xs:simpleType>
7754   <xs:simpleType name="VersionCode_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7755     <xs:restriction base="xs:string">
7756       <xs:pattern value="[1-9]{0-9}[0,2]"/>
7757     </xs:restriction>
7758   </xs:simpleType>
7759   <xs:simpleType name="MessageKind_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7760     <xs:restriction base="cl:MessageTypeList"/>
7761   </xs:simpleType>
7762   <xs:simpleType name="PartyID_String-base" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7763     <xs:restriction base="xs:string">
7764       <xs:maxLength value="16"/>
7765     </xs:restriction>
7766   </xs:simpleType>
7767   <xs:complexType name="PartyID_String" mixed="false"
7768 sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7769     <xs:simpleContent>
7770       <xs:extension base="PartyID_String-base">
7771         <xs:attribute name="codingScheme" type="cl:CodingSchemeTypeList" use="required"/>
7772       </xs:extension>
7773     </xs:simpleContent>
7774   </xs:complexType>
7775   <xs:simpleType name="MarketRoleKind_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7776     <xs:restriction base="cl:RoleTypeList"/>
7777   </xs:simpleType>
7778   <xs:complexType name="Acknowledgement_MarketDocument"
7779 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7780 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Acknowledgement_MarketDocument">
7781     <xs:sequence>
7782       <xs:element name="aliasName" type="ID_String"
7783 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7784 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Acknowledgement_MarketDocument.aliasName"/>
7785       <xs:element name="createdDateTime" type="Message_DateTime"
7786 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7787 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Acknowledgement_MarketDocument.createdDateTime"/>
7788       <xs:element name="sender_MarketParticipant.aliasName" type="PartyID_String"
7789 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7790 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Sender_MarketParticipant.aliasName"/>
7791       <xs:element name="sender_MarketParticipant.marketRole.type" type="MarketRoleKind_String"
7792 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7793 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Sender_MarketParticipant.marketRole.type"/>
7794       <xs:element name="receiver_MarketParticipant.aliasName" type="PartyID_String"
7795 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7796 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Receiver_MarketParticipant.aliasName"/>
7797       <xs:element name="receiver_MarketParticipant.marketRole.type" type="MarketRoleKind_String" minOccurs="0"
7798 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7799 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Receiver_MarketParticipant.marketRole.type"/>
7800       <xs:element name="received_MarketDocument.aliasName" type="ID_String" minOccurs="0"
7801 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7802 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Received_MarketDocument.aliasName"/>
7803       <xs:element name="received_MarketDocument.revisionNumber" type="VersionCode_String" minOccurs="0"
7804 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7805 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Received_MarketDocument.revisionNumber"/>
7806       <xs:element name="received_MarketDocument.type" type="MessageKind_String" minOccurs="0"
7807 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7808 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Received_MarketDocument.type"/>
7809       <xs:element name="received_MarketDocument.title" type="ID_String" minOccurs="0"
7810 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7811 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Received_MarketDocument.title"/>
7812       <xs:element name="received_MarketDocument.createdDateTime" type="Message_DateTime" minOccurs="0"
7813 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7814 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Received_MarketDocument.createdDateTime"/>
7815       <xs:element name="Rejected_TimeSeries" type="TimeSeries" minOccurs="0" maxOccurs="unbounded"
7816 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7817 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#MarketDocument.Rejected_TimeSeries"/>
7818       <xs:element name="Reason" type="Reason" maxOccurs="unbounded"
7819 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7820 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#MarketDocument.Reason"/>
7821       <xs:element name="InError_Period" type="Time_Period" minOccurs="0" maxOccurs="unbounded"
7822 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7823 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#MarketDocument.InError_Period"/>
7824     </xs:sequence>
7825     <xs:attribute name="schemaVersion" type="xs:string" use="required"/>
7826     <xs:attribute name="schemaRelease" type="xs:string" use="required"/>
7827   </xs:complexType>
7828   <xs:simpleType name="ReasonCode_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7829     <xs:restriction base="cl:ReasonCodeTypeList"/>
7830   </xs:simpleType>
7831   <xs:simpleType name="ReasonText_String" sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#String">
7832     <xs:restriction base="xs:string">
7833       <xs:maxLength value="512"/>
7834     </xs:restriction>
7835   </xs:simpleType>
7836   <xs:complexType name="Reason"
7837 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7838 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Reason">
7839     <xs:sequence>
7840       <xs:element name="code" type="ReasonCode_String"
7841 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7842 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Reason.code"/>
7843       <xs:element name="text" type="ReasonText_String" minOccurs="0"
7844 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7845 ledgement Process/Acknowledgement Document/Acknowledgement Contextual Model#Reason.text"/>
7846     </xs:sequence>
7847   </xs:complexType>

```

```
7848     <xs:complexType name="DateTimeInterval">
7849 sawsdl:modelReference="http://iec.ch/tc57/TC57CIM/IEC61970/Domain#DateTimeInterval">
7850     <xs:sequence>
7851         <xs:element name="end" type="Message_DateTime">
7852 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ESMP_Libraries/ESMPDataTyp
7853 es#DateTimeInterval.end"/>
7854         <xs:element name="start" type="Message_DateTime">
7855 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ESMP_Libraries/ESMPDataTyp
7856 es#DateTimeInterval.start"/>
7857     </xs:sequence>
7858 </xs:complexType>
7859 <xs:complexType name="Time_Period">
7860 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7861 ledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#Time_Period">
7862     <xs:sequence>
7863         <xs:element name="timeInterval" type="DateTimeInterval">
7864 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7865 ledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#Time_Period.timeInterval"/>
7866         <xs:element name="Reason" type="Reason" maxOccurs="unbounded">
7867 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7868 ledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#Time_Period.Reason"/>
7869     </xs:sequence>
7870 </xs:complexType>
7871 <xs:complexType name="TimeSeries">
7872 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7873 ledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#TimeSeries">
7874     <xs:sequence>
7875         <xs:element name="aliasName" type="ID_String">
7876 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7877 ledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#TimeSeries.aliasName"/>
7878         <xs:element name="version" type="VersionCode_String" minOccurs="0">
7879 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7880 ledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#TimeSeries.version"/>
7881         <xs:element name="InError_Period" type="Time_Period" minOccurs="0" maxOccurs="unbounded">
7882 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7883 ledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#TimeSeries.InError_Period"/>
7884         <xs:element name="Reason" type="Reason" minOccurs="0" maxOccurs="unbounded">
7885 sawsdl:modelReference="http://iec.ch/tc57/TC57Profiles/IEC62325Profiles/EuropeanStyleMarketProfile/ContextualDocuments/Acknow
7886 ledgement_Process/Acknowledgement_Document/Acknowledgement_Contextual_Model#TimeSeries.Reason"/>
7887     </xs:sequence>
7888 </xs:complexType>
7889 </xs:schema>
```