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CLASSIFICATION

C1: Public Information

DATE

June 12, 2020

VERSION

V 3

VERSION DATE

June 12, 2020

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FCR allocation message

Wijzigingshistorie

Versie	Datum	Toelichting
1.0	29-08-2013	Initiële versie
1.1	18-11-2013	<p>Aanpassingen naar aanleiding van de inloopsessie van 22 oktober in Papendal</p> <ul style="list-style-type: none"> - Uitbreiding paragraaf 1.2.1 - The allocation message process (acknowledgement & anomalies) - Toevoeging paragraaf 1.2.4.3 - Specific local market requirements (portfolio moet per dag aangeleverd worden, het totaal moet symmetrisch zijn, updates vervangen de complete dag en het verleden mag niet gewijzigd worden) - Toevoeging van paragraaf 1.2.4.4 - Times and Time intervals (uitleg UTC) - Toevoeging van paragraaf 1.2.4.5 - Interval resolution (uitleg XML duration formaat) - Verwijdering van Up/Down-beperking voor onafhankelijke technische eenheden – asymmetrie is toegestaan (paragraaf 1.2.6.3 en 1.2.7.3) - ResourceProvider betreft altijd de oorspronkelijke leverancier die de Primaire reserve op de veiling gewonnen heeft – ook in het bericht van de SubstituteResourceProvider (paragraaf 1.2.6.7) - Aanpassing CapacityAgreementIdentification – Teruggebracht tot startdatum van geveilde periode (paragraaf 1.2.6.10 en 1.2.7.10) - MeasurementUnit = MAW in plaats van MWT (paragraaf 1.2.6.11, paragraaf 1.2.7.11 was wel correct) - SubstituteResourceProvider optioneel gemaakt (paragraaf 1.2.7.7) - Toevoeging 1 decimaal en verwijderen grenswaarden voor Droop Ratio (paragraaf 1.2.10.2) - Toevoeging resultaatberichten, Acknowledgement en Anomaly Report (vanaf paragraaf 1.3)
1.2	28-03-2014	<p>Aanpassingen naar aanleiding van software implementatie</p> <ul style="list-style-type: none"> - Aanpassing paragraaf 5.4.3.1 – Duidelijker onderscheid tussen standaard ENTSO-E spec en lokale (TenneT) specificatie voor terugkoppeling in Anomaly Report - Toevoeging aan paragraaf 5.2.4.4 – Times and Time intervals Tijdsintervallen starten altijd op klokkwartieren - Aanpassing attribuuttabellen voor Direction, Acquiring Area, Capacity Contract Type en Capacity Agreement Identification "This information is mandatory in accordance with local market rules" - Aanpassing titel van paragraaf 5.2.5.10 in "Time Period Covered (exactly 1 execution day)" - Aanpassing inleiding paragraaf 5.2.10 Exclusief gebruik van Reason in allocatiebericht voor Droop ratio - Aanpassing paragraaf 5.2.1.2 – The external consistency check ReasonCode A02 in plaats van A66 bij ontbrekende allocatie
2.3	04-06-2019	<p>Changes due to FCR 2019 (daily auctions, textual adaptations) Download location of ENTSO-e ERRP changed. Added annex 1: examples transfer of obligation 1.1 phrase changed: Total allocation including transfers but excluding allocation on behalf of other providers shall always be equal to the total volume acquired (exact allocation) 1.2.4.3 phrase changed: Old: Primary reserve that is acquired at an auction by a Resource Provider and transferred to a Substitute Resource Provider may not be transferred from the substitute Resource Provider to a third Resource Provider. Replaced by: Primary reserve that is acquired at an auction by a Resource Provider and transferred to a Substitute Resource Provider may not be transferred from the substitute Resource Provider to a third Resource Provider. 1.2.4.3 change: asymmetrical transfers are not allowed: The total quantity in the portfolio shall be symmetrical (up=down), including unavailable and transferred quantities 1.2.6.9 change: daily auction instead of weekly auction. CapacityContractType = A01 1.2.6.10 CapacityAgreementIdentification adapted to specific day of the daily auction. 1.2.7 Rules governing the Unavailable Reserves Time Series class: explanations added on subcontracting. 1.2.7.3 change: asymmetrical transfers are not allowed: The total quantity in the portfolio shall be symmetrical (up=down), including unavailable and transferred quantities 1.2.7.9 CapacityContractType changed into A01 (Daily Auction) 1.2.7.10 CapacityAgreementIdentification changed into 'day of the auction in YYYYMMDD' instead of first day of (this was for weekly auctions). Annex 1.5: examples adapted to new version (2.3) of converter</p>
3.0	12-06-2020	<p>Introduction 1.1, last phrase adapted: warning on 4h blocks added. 1.2.1 Process scheme adapted. 1.2.1.2. External consistency check has been changed from every hour to every 15 minutes as from D-1 14:00h 1.2.4.3 Remark on intervals and resolutions added (advise to stick to one resolution PT15M only). 1.5 Annex 1: examples removed to manual converter 1.2.8.2 Remark on PT15M resolution added.</p>

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1. FCR allocation message

1.1 Introduction

As according to the new Dutch grid code, Primary reserve will be contracted from the market starting January 2014, Dutch Reserve Resource Providers may acquire Primary reserve at the Regelleistung platform. In order to be able to monitor the actual delivery of Primary reserve by the Reserve Resource Providers, TenneT TSO requires an allocation message from the Reserve Resource Providers which indicates how the total acquired Primary reserves of an auction are assigned to the respective Reserve Resource Objects (generators).

If a Reserve Resource Supplier is not able to cover the (entire) contracted Primary reserves by its own Reserve Resource Objects, the part of the obligation that cannot be covered may be subcontracted to another Reserve Resource Provider. This substitution has to be reported within the allocation message. In case a Reserve Resource Provider in such a situation is unable to come to an agreement with a qualified substitute resource provider, the part that cannot be covered still has to be reported in the message and thus will be recorded as not available.

Even though the Regelleistung platform will provide the auction results in 4 h blocks (except in case of a clock-change), for every PTU, the grand total of the planned resource time series excluding the volume allocated for another provider, but including the unavailable reserves time series¹, shall always be equal to the volume acquired at the relevant auctions at the Regelleistung platform.

1.2 The allocation message

The allocation message follows the ENTSO-E ERRP:PRS standard version 5.0. This version can be downloaded from:

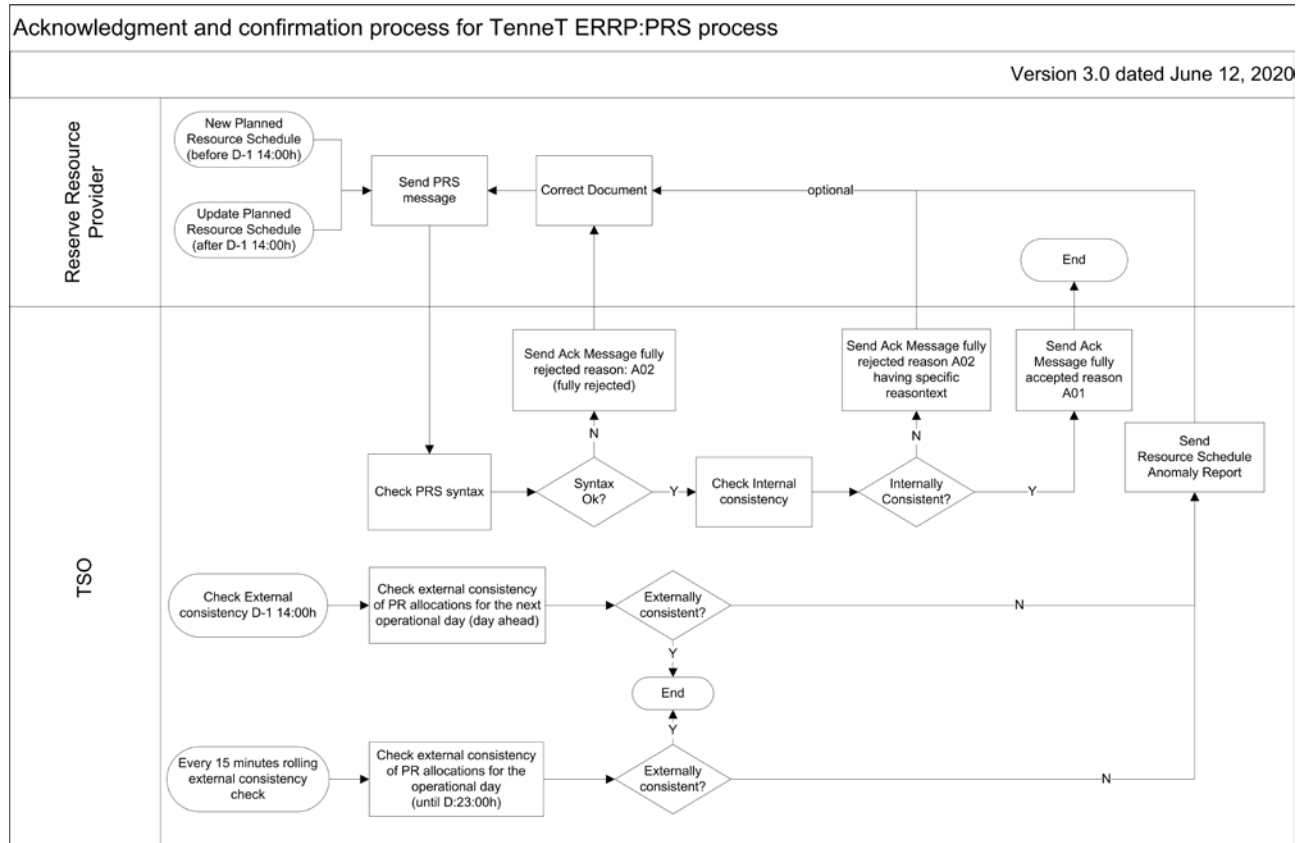
https://www.entsoe.eu/Documents/EDI/Library/cim_based/archive/ERRP%20V5%20and%20older.zip

The allocation message uses the ERRP:PRS message format. This Planned Resource Schedule format is defined as an XML message containing time series to specify the quantity of Primary Reserve allocated to prequalified Resource Objects during specific time periods.

The following text does not replace the text as provided by ENTSO-E, but contains the actual implementation of the standard to the process as defined by TenneT TSO BV.

¹ The unavailable reserve time series consists of the transferred obligation(s) and the actual unavailabilities which have not or could not be transferred.

1.2.1 The allocation message process



1.2.1.1 The internal consistency check

The Planned Resource Schedule message is sent to TenneT by the Resource Provider. TenneT processes the message and either accepts or rejects the allocation message, depending on the syntax validation and the consistency of the content. In any case a general ENTSO-E Acknowledgement message is returned to the sending Resource Provider. See paragraph 1.3 - Acknowledgement.

In case the allocation message is rejected, the Acknowledgement message will contain the reason(s) for the rejection. The Resource Provider can then correct the allocation message accordingly and send it in as a new version of the document.

1.2.1.2 The external consistency check

At set times in the planning process, TenneT evaluates the completeness of the provided portfolio sets and their mutual consistency.

- On the day before the execution date, triggered by a configured timestamp list, starting before 14:00h, for all time units of the execution day.
- After 14:00h at D-1 every 15 minutes of the day D.

This mutual consistency check consists of two separate validations:

- Missing portfolios
- Inconsistencies in transferred primary reserves time series

In both cases, the Resource Providers concerned will receive a Resource Schedule Anomaly Report. This message contains one or more ReasonCode and ReasonText elements, specifying the inconsistencies in the evaluated schedules.

For a missing portfolio, the Resource Schedule Anomaly Report contains a single ReasonCode A02 (Fully Rejected) and ReasonText "No valid Allocation message available for supplier =EIC= for delivery date =DeliveryDate=".

For portfolios containing primary reserves that are transferred from the originating Resource Provider to a substitute Resource Provider, inconsistencies are reported in a Resource Schedule Anomaly Report that is sent to both parties. See paragraph 1.4 - Resource Schedule Anomaly Report.

1.2.2 The Planned Resource Schedule model

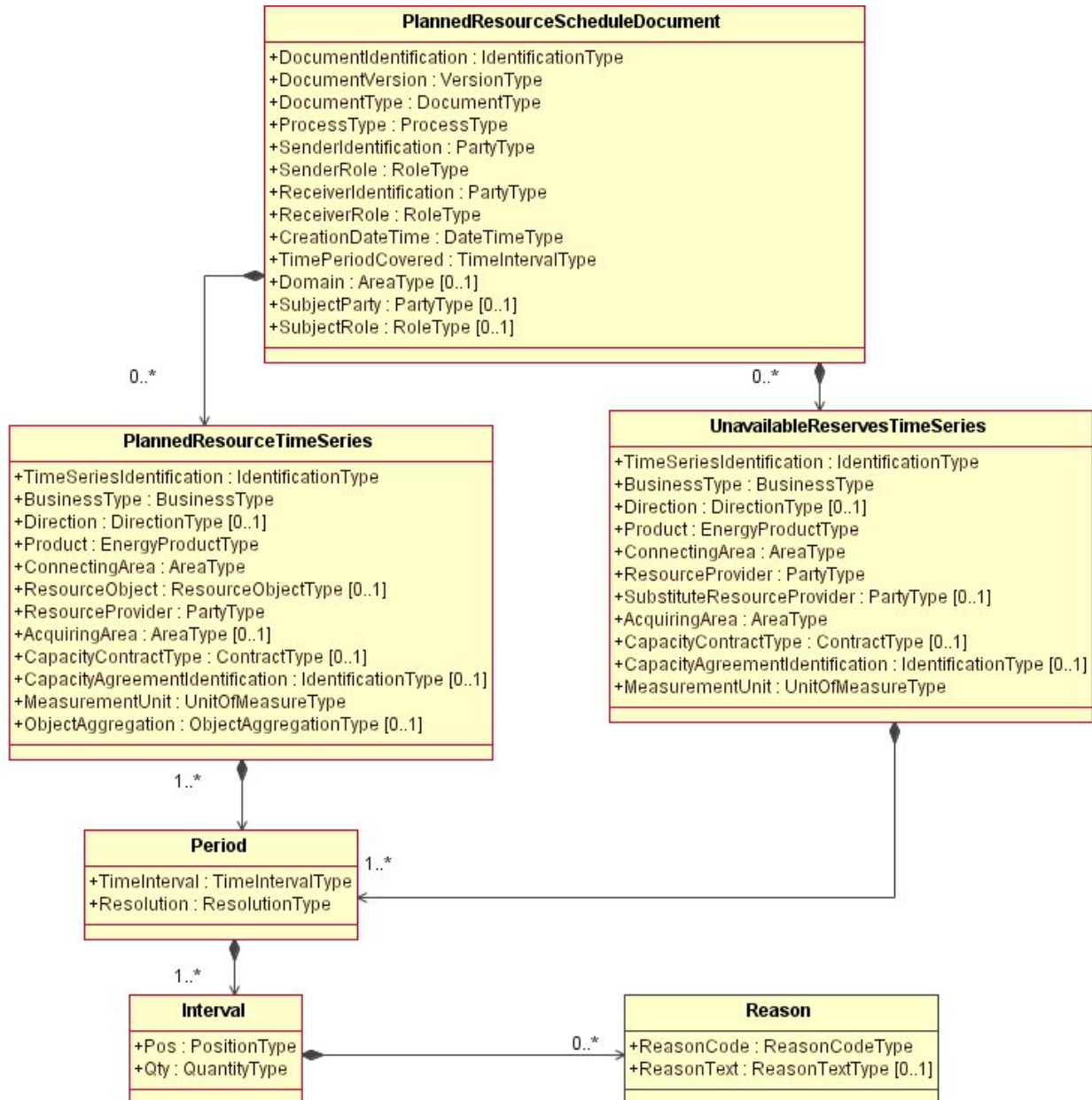


FIGURE 1: PLANNED RESOURCE SCHEDULE INFORMATION MODEL

The Planned Resource Schedule is used for the transmission of the reserve plans of all Reserve Objects for primary reserve that have been qualified for primary reserve use within the Dutch area.

1.2.3 Contents of the Planned Resource Schedule

There are two types of Time Series that can be sent in a Planned Resource Schedule document:

1. The Planned Resource Time Series that provides per auction per reserve resource object the amount of primary reserve planned to be delivered by that reserve resource object per time interval.
2. The Unavailable Reserves Time Series, lists the primary reserves that the Resource Provider cannot allocate on its own Reserve Resource objects (assets). This volume may be transferred to one or more Substitute Resource Providers. In case of a transfer, the Substitute Resource Provider identification is mandatory. If no Substitute Resource Provider is specified, the Primary Reserve is not available and not transferred. When a volume is transferred to another Substitute Resource Provider, this Substitute Resource Provider shall list this volume in its own allocation message as a separate time series where the Resource Provider attribute will contain the identification of the Resource Provider *being* substituted.

An example based on the excel convertor of how transferred obligations should be registered in the message is in the "Primary Reserve Portfolio Converter Manual". To be found in the convertor zip file "FCR Portfolio converter" on the TenneT website.

At least one of these Time Series (Planned Resource Time Series or Unavailable Reserves Time Series or both) must be sent in a Planned Resource Schedule Document.

1.2.4 General rules governing document content

1.2.4.1 Document version numbers

A Planned Resource Schedule document is identified by its type, given by the "Document Type" for a set of time series, given by the "Time Period covered". The document shall provide the complete position of the party responsible. It is important to stress that the procedure requires that only one document is received for a given role. Each document has a unique identification. If there are additions, modifications or suppressions to the set of time series within the document, the identification is complemented by a version number.

The initial transmission of a document should generally have a version number of "1". However, in specific circumstances this may be different, but the initial transmission of a document should always have the lowest version number for that document. For each transmission of the document the version number is incremented. The receiver shall ensure that a retransmitted document has a version number strictly higher to the previous version number. The document version number does not have to be in strict sequential order.

Each retransmission of the document shall include **all** the time series associated with the document in question. This principle allows all markets to transmit documents in a compatible fashion even though market rules may differ.

1.2.4.2 Document acceptance and rejection criteria

The Planned Resource Schedule document is composed of four levels:

1. The document header providing the basic document identification, the identification of involved parties, and the time period covered.

2. The time series header level providing all the information that is necessary to uniquely identify a time series (planned resources or unavailable reserves). It also provides some information relative to the time interval such as the measurement unit.
3. The period level that defines the time interval period and resolution that covers the quantities being reported.
4. The interval level that provides the time interval position (time interval period / resolution) and the quantity for the position in question.

In each of these cases an error condition may occur which either can cause the rejection of the document or the time series or the time interval quantities. Local market rules will define the specific reactions to errors at the different levels within the document (Document header, time series header, period or interval).

1.2.4.3 Specific local market requirements

- TenneT requires that the Planned Resource Schedule document contains the allocations covering the total quantity that the Resource Provider has acquired for all applicable auctions for one day (attribute TimePeriodCovered).
- For every PTU, the total quantity in the portfolio shall be symmetrical (up=down), including unavailable and transferred quantities.
- Updates result in new versions of the complete portfolio message.
- Quantities allocated to Resource Objects may not be changed for passed or already started time units. However, an interval that has already begun *can* be modified, but only if the allocation change applies to time units in the future.
- This can be done by splitting the interval at some time in the future in a new version of the Planned Resource Schedule message. Please keep in mind that the following example is based on the 'old' situation still permitted by the current software. Take note of the remark in the next bullet.

Example

Version 1 is sent in at 14:00h on D-1.

It contains:

- A Time Series for Resource Object A, covering the whole day in one Period with one Interval for 5MW up & down. The Interval Resolution is PT24H.

On delivery day D some situation occurs, preventing Resource Object A to provide any Primary Reserve after 10:20h. The Resource Provider reallocates 5MW Primary Reserve from Resource Object A to Resource Object B, starting at 10:15h.

Version 2 is sent in at 10:12h on the delivery day D.

It contains:

- A Time Series for Resource Object A, covering one Period from 00:00h until 10:15h with one Interval for 5MW up & down. The Interval Resolution is PT10H15M
- A Time Series for Resource Object B, covering one Period from 10:15h until 00:00h with one Interval for 5MW up & down. The Interval Resolution is PT13H45M (24 hours minus 10 hours and 15 minutes)

- **Remark on intervals and resolutions:**

ENTSO-e standards allow for multiple resolutions and intervals which will e.g. allow that an asset having the same volume for the whole period D, may be indicated with just one interval having one value and a resolution of PT24H. This however highly adds to the complexity of the processing software. This is why TenneT has decided to allow only a resolution of PT15M which means that every PTU of 15 minutes has to be provided. PTUs on which an asset has not been allocated, will just contain zero values. Those BSPs that have already implemented other resolutions than PT15M will not be forced to change their software before July 1st 2020 as this would be far from reasonable. Mind however, that in future a change will become necessary. BSPs that start implementing their own software solution are strongly advised to stick to the PT15M.

- Primary reserve that is acquired at an auction by a Resource Provider and transferred to a Substitute Resource Provider may be transferred from the substitute Resource Provider to a third Resource Provider.

If the substitute Resource Provider cannot deliver, it shall cancel the transfer from the original Resource Provider by adjusting its Planned Resource Schedule accordingly. The original Resource Provider has to transfer its unavailable Primary Reserves to another substitute Resource Provider.

1.2.4.4 Times and Time intervals

All the times in the document are expressed in Coordinated Universal Time (the acronym of which is UTC) in compliance with ISO 8601. This is restricted to YYYY-MM-DDTHH:MM:SSZ in order to remain in conformity with XML schema requirements.

All the time intervals in the documents are expressed in compliance with ISO 8601 This is restricted to YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ. The time interval has an inclusive start time and an exclusive end time and is expressed in minutes.

Local Central European Time converts to UTC as follows

Winter time: CET = UTC + 1 hour

Summer time: CEST = UTC + 2 hours

Examples of 1 day intervals from local midnight to local midnight as used in the ERRP-PRS element TimePeriodCovered within the CET region:

Regular time (winter time)

Mon jan-13: `<TimePeriodCovered v="2014-01-12T23:00Z/2014-01-13T23:00Z"/>` (24 hours)

Regular time to Daylight savings time (winter time to summer time transition)

Sun mar-30: `<TimePeriodCovered v="2014-03-30T23:00Z/2014-01-13T22:00Z"/>` (23 hours)

Daylight savings time (summer time)

Tue jul-8: `<TimePeriodCovered v="2014-07-07T22:00Z/2014-07-08T22:00Z"/>` (24 hours)

Daylight savings time to Regular time (summer time to winter time transition)

Sun oct-26: `<TimePeriodCovered v="2014-10-25T22:00Z/2014-10-26T23:00Z"/>` (25 hours)

Time intervals shall start at the top of the hour or at 15, 30 or 45 minutes after the hour.

Remark on clock changes in awarded auction volumes reported by Regelleistung:

Clock changes have the following effect in the awarded auction volumes reported by Regelleistung.net:

Period (genau eine Period pro ReserveBidTimeSeries)		
TimeInterval	v="YYYY-MM-DDThh:00Z/YY-MM-DDThh:00Z"	Delivery period in UTC Examples: Change to summer time: „2020-03-28T23:00Z/2020-03-29T02:00Z“ Change to winter time: „2020-10-24T22:00Z/2020-10-25T03:00Z“
Resolution	v="PT4H	According to ISO 8601: PnYnMnDTnHnMnS Exemption for „00_04“ Change to summer time: PT3H Change to winter time: PT5H

Keep this in mind when assigning the assets to the proper volume and PTU.

1.2.4.5 Interval resolution

Resolution elements in the ERRP-PRS message are specified in a standard XML-format for duration. The resolution is expressed in compliance with ISO 8601 in the following format:

PnYnMnDTnHnMnS

where nY expresses a number of years, nM a number of months, nD a number of days. The letter "T" separates the date expression from the time expression and after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds.

The portfolio is specified in intervals of a multiple of 15 minute time units. In the portfolio message the interval duration is reflected by the Resolution element in the Period class. According to the format definition explained above, the minimum interval duration is specified as <Resolution v="PT15M"/>. Other examples are (please take note of the remark stated in paragraph 1.2.4.3) :

- PT1H for a resolution of 1 hour
- PT6H30M for a resolution of 6 hours and 30 minutes
- P1DT1H for a resolution of 25 hours (only possible for summer time to winter time transition day)
- PT23H for the maximum resolution of the winter time to summer time transition day

1.2.5 Rules governing the Planned Resource Schedule Header class

1.2.5.1 Document Identification

ACTION	DESCRIPTION
Definition of element	Unique identification of the document for which the time series data is being supplied.
Description	<p>A Planned Resource Schedule for a given set of time series and a given time period must have a unique identification assigned by the sender of the document for all transmissions to the receiver.</p> <p>All additions, modifications, or suppressions for the time series and time period must use the same identification.</p>
Size	The identification of a document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.5.2 Document Version

ACTION	DESCRIPTION
Definition of element	Version of the document being sent. A document may be sent several times, each transmission being identified by a different version number that starts at 1 and increases sequentially.
Description	<p>The document version is used to identify a given version of a time series set for a given time period.</p> <p>The first version number for a given document identification shall normally be 1.</p> <p>The document version number must be incremented for each retransmission of a document that contains changes to the previous version.</p> <p>The receiving system should ensure that the version number for a document is superior to the previous version number received.</p>
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.5.3 Document Type

ACTION	DESCRIPTION
Definition of element	The coded type of the document being sent.
Description	The document type identifies the information flow characteristics. DocumentType = A14 (Resource Provider Resource Schedule)
Size	The document type value must be exactly 3 alphanumeric characters (no blanks).
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.5.4 Process Type

ACTION	DESCRIPTION
Definition of element	The nature of the process that the document is directed at.
Description	The process type identifies the process to which the information flow is directed. ProcessType = A14 (Forecast)
Size	The process type value must be exactly 3 alphanumeric characters (no blanks).
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.5.5 Sender Identification – Coding Scheme

ACTION	DESCRIPTION
Definition of element	Identification of the party that is the owner of the document and is responsible for its content.
Description	<p>The unique coded identification of the sender of the document that is known to the receiver of the document. This code identifies the party that is the owner of the information being transmitted in the document and is responsible for its content.</p> <p>In the case of Resource Provider Reserve Schedules it shall identify the Resource Provider.</p> <p>CodingScheme = A01 (EIC)</p> <p>SenderIdentification = Sender's EIC code as used at the Regelleistung platform</p>
Size	<p>The maximum length of a sender's identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

1.2.5.6 Sender Role

ACTION	DESCRIPTION
Definition of element	Identification of the role that is played by the sender.
Description	<p>The sender role, which identifies the role of the sender within the document.</p> <p>SenderRole = A27 (Resource Provider)</p>
Size	The maximum length of a sender role is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.5.7 Receiver Identification – Coding Scheme

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	<p>The receiver of the document is identified by a unique coded identification.</p> <p>In the case of Resource Provider or Acquiring System Operator Reserve Schedules it shall identify the Connecting System Operator.</p> <p>CodingScheme = A01 (EIC)</p> <p>ReceiverIdentification = 10X1001A1001A361 (TenneT)</p>
Size	<p>The maximum length of a receiver's identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

1.2.5.8 Receiver Role

ACTION	DESCRIPTION
Definition of element	Identification of the role played by the receiver.
Description	<p>The receiver role, which identifies the role of the receiver within the document.</p> <p>ReceiverRole = A04 (TSO)</p>
Size	The maximum length of a receiver role is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.5.9 Creation Date Time

ACTION	DESCRIPTION
Definition of element	Date and time of creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the sender.
Size	The date and time must be expressed in UTC 0 as: YYYY-MM-DDTHH:MM:SSZ.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.5.10 Time Period Covered (exactly 1 execution day)

ACTION	DESCRIPTION
Definition of element	The beginning and ending date and time of the period covered by the document.
Description	This information provides the start and end date and time of the time period. This period will cover one calendar day. The receiver will discard any time intervals outside the time period indicated.
Size	The start and end date and time must be expressed as: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.5.11 Domain - codingScheme

ACTION	DESCRIPTION
Definition of element	The domain covered within the Document.
Description	The identification of the domain that is covered in the document. This element is <i>not</i> used.
Size	The maximum length of a domain identification is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is conditional.
Dependence requirements	The information is conditional in order to maintain ERRP backwards compatibility.

1.2.5.12 SubjectParty - codingScheme

ACTION	DESCRIPTION
Definition of element	The Party for whom the schedule is being submitted.
Description	This element is <i>not</i> used. Parties will not introduce schedules on behalf of other Parties.
Size	The maximum length of this information is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is conditional.
Dependence requirements	The information is conditional in order to maintain ERRP backwards compatibility.

1.2.5.13 Subject Role

ACTION	DESCRIPTION
Definition of element	The role of the Subject Party.
Description	This element is <i>not</i> used.
Size	The maximum length of a receiver role is 3 alphanumeric characters.
Applicability	This information is conditional.
Dependence requirements	The information is conditional in order to maintain ERBP backwards compatibility.

1.2.6 Rules governing the Planned Resource Time Series class

A party may transmit as many time series as necessary to establish his position for a given time period and document type.

The sender assigns a unique identification to each occurrence of the Business Type, Direction, Product, Reserve Object, Connecting Area, Acquiring Area, Capacity Contract Type, Capacity Agreement Identification, Measurement Unit and Resource Provider for the document.

A time series shall contain one or more periods that will cover the complete time period as expressed in the header. The period shall also indicate the resolution of the periods within the time interval. The time interval must be completely covered by a whole multiple of the resolution.

If a time series is suppressed in a later transmission the time series will be re-sent with all the periods containing a zero value quantity.

1.2.6.1 Time Series Identification

ACTION	DESCRIPTION
Definition of element	Sender's identification of the time series instance. This must be unique for the whole document and guarantee the non-duplication of all the attributes of the time series class.
Description	A unique identification within the document assigned by the sender.
Size	The maximum size of a time series identification is 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.6.2 Business type

ACTION	DESCRIPTION
Definition of element	Identifies the nature of a time series.
Description	The nature of the time series for which the product is handled. BusinessType = A11 (Primary Control)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.6.3 Direction

ACTION	DESCRIPTION
Definition of element	Identifies how the energy flow is to be seen from the perspective of the Acquiring System Operator's area.
Description	This identifies the direction of the energy flow. For every PTU, the total quantity in the portfolio shall be symmetrical (up=down), including unavailable and transferred quantities, <i>Permitted codes are:</i> A01 = UP A02 = DOWN A03 = UP and DOWN
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory in accordance with local market rules.
Dependence requirements	None

1.2.6.4 Product

ACTION	DESCRIPTION
Definition of element	Identification of a product such as power, energy, reactive power, transport capacity, etc.
Description	This identifies the product for which the time series is reporting. Product = 8716867000016 (Active power)
Size	The maximum length of this information is 13 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.6.5 Connecting Area – Coding Scheme

ACTION	DESCRIPTION
Definition of element	The area where the Resource Object is located.
Description	<p>The identification of the connecting area where the Resource Object is located.</p> <p>CodingScheme = A01 (EIC)</p> <p>ConnectingArea = 10YNL-----L (Dutch connecting area)</p>
Size	<p>The maximum length of the area code is 18 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.6.6 Resource Object –Coding Scheme

ACTION	DESCRIPTION
Definition of element	Identification of the resource that is used to supply energy capabilities to the System Operator.
Description	<p>This identifies the Reserve Object managed by the Resource Provider that is used to supply the reserve.</p> <p>CodingScheme = NNL (Dutch coding is EAN)</p> <p>ResourceObject = EAN18 code identifying the Resource Object.</p>
Size	The maximum length of this information is 18 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

1.2.6.7 Resource Provider – Coding Scheme

ACTION	DESCRIPTION
Definition of element	Identification of the party on behalf of whom the resources are provided.
Description	<p>The Resource Provider is identified by a unique coded identification.</p> <p>CodingScheme = A01 (EIC)</p> <p>If the corresponding time series refers to a quantity of primary reserve acquired by the Sender at the Regelleistung Platform then: ResourceProvider = EIC code identical to the SenderIdentification</p> <p>If the corresponding time series refers to a quantity of primary reserve acquired by another ResourceProvider for which Sender has been assigned as SubstituteResourceProvider then: ResourceProvider = EIC code of the original ResourceProvider</p> <p>Example:</p> <p>Suppliers A and B agree that supplier A transfers part of its portfolio to supplier B.</p> <p>Supplier A specifies this transferred part in its portfolio message in an UnavailableReservesTimeSeries and specifies supplier B as the SubstituteResourceProvider.</p> <p>Supplier B adds a PlannedResourceTimeSeries for the transferred part to its own portfolio message and specifies supplier A as the ResourceProvider.</p>
Size	<p>The maximum length of a Resource Provider identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

1.2.6.8 Acquiring Area – Coding Scheme

ACTION	DESCRIPTION
Definition of element	The area where the reserve is contracted for use.
Description	The identification of the Acquiring area that the reserve is contracted for use. CodingScheme = A01 (EIC) AcquiringArea = 10YNL-----L (Dutch acquiring area)
Size	The maximum length of the area code is 18 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	None

1.2.6.9 Capacity Contract Type

ACTION	DESCRIPTION
Definition of element	The contract type defines the conditions under which the capacity was allocated and handled. CapacityContractType = A01 (daily auction)
Description	This information defines the conditions under which the capacity was allocated and handled.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory in accordance with local market rules.
Dependence requirements	None

1.2.6.10 Capacity Agreement Identification

ACTION	DESCRIPTION
Definition of element	The identification of a capacity agreement.
Description	<p>This provides the identification of the capacity agreement that is relative to the time series. The Capacity Agreement Identification is defined as follows:</p> <p>YYYYMMDD = date of the period covered by the corresponding auction.</p> <p>YYYY = year in 4 numeric positions MM = month in 2 numeric positions DD = day in 2 numeric positions</p>
Size	The length of this information is 8 alpha-numeric characters.
Applicability	This information is mandatory in accordance with local market rules.
Dependence requirements	None

1.2.6.11 Measurement Unit

ACTION	DESCRIPTION
Definition of element	The unit of measure that is applied to the quantities in which the time series is expressed.
Description	<p>The unit of measurement used for the quantities expressed within the time series.</p> <p>MeasurementUnit = MAW (Megawatt)</p>
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.6.12 Object Aggregation

ACTION	DESCRIPTION
Definition of element	Identifies how the object is aggregated.
Description	This element is <i>not</i> used.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	The Object Aggregation is required when market rule dictate its use. If absent the Object Aggregation is the Resource Object.

1.2.7 Rules governing the Unavailable Reserves Time Series class

Whenever a Resource Provider is unable to provide the contracted amount of power to the Acquiring System Operator, he must provide a Time Series indicating the quantity of power that is not available. This enables the Connecting System Operator to correctly match the amounts provided by the Acquiring System Operator and thus avoids an anomaly condition. The Resource Provider can subcontract primary reserves that he cannot supply to other qualified providers by specifying the EIC code of that party for the Substitute Resource Provider in the Unavailable Reserves Time Series. If the Substitute Resource Provider is not specified in the Unavailable Reserves Time Series, the primary reserve cannot be supplied or subcontracted. The Substitute Resource Provider shall mention the received obligation in his message as a separate time serie having the **original** Resource Provider as Resource Provider. Resource Provider may subcontract to multiple Substitute Resource Providers, all specified in their own time series.

1.2.7.1 Time Series Identification

ACTION	DESCRIPTION
Definition of element	Sender's identification of the time series instance. This must be unique for the whole document and guarantee the non-duplication of all the attributes of the time series class.
Description	A unique identification within the document assigned by the sender.
Size	The maximum size of a time series identification is 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.7.2 Business type

ACTION	DESCRIPTION
Definition of element	Identifies the nature of a time series.
Description	The nature of the time series for which the product is handled. BusinessType = A11 (Primary Control)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.7.3 Direction

ACTION	DESCRIPTION
Definition of element	Identifies how the energy flow is to be seen from the perspective of the Acquiring System Operator's area.
Description	<p>This identifies the direction of the energy flow. Per PTU, the total quantity (including unavailable and transferred volumes) in the portfolio shall be symmetrical (up=down)</p> <p><i>Permitted codes are:</i></p> <p>A01 = UP</p> <p>A02 = DOWN</p> <p>A03 = UP and DOWN</p>
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory in accordance with local market rules.
Dependence requirements	None

1.2.7.4 Product

ACTION	DESCRIPTION
Definition of element	Identification of a product such as power, energy, reactive power, transport capacity, etc.
Description	<p>This identifies the product for which the time series is reporting. There is a different time series for each product.</p> <p>Product = 8716867000016 (Active power)</p>
Size	The maximum length of this information is 13 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.7.5 Connecting Area – Coding Scheme

ACTION	DESCRIPTION
Definition of element	The area where the Resource Object is located.
Description	<p>The identification of the connecting area where the Resource Object is located.</p> <p>CodingScheme = A01 (EIC)</p> <p>ConnectingArea = 10YNL-----L (Dutch connecting area)</p>
Size	<p>The maximum length of the area code is 18 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.7.6 Resource Provider – Coding Scheme

ACTION	DESCRIPTION
Definition of element	Identification of the party that is providing the resources.
Description	<p>The Resource Provider is identified by a unique coded identification.</p> <p>CodingScheme = A01 (EIC)</p> <p>ResourceProvider = EIC-code identifying the Resource Provider at the Regelleistung platform</p>
Size	<p>The maximum length of a Resource Provider identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

1.2.7.7 Substitute Resource Provider – Coding Scheme

ACTION	DESCRIPTION
Definition of element	Identification of the party that is acting as a substitute to the Resource Provider.
Description	<p>The Substitute Resource Provider is identified by a unique coded identification. The Substitute Resource Provider represents the party that is acting on behalf of the Resource Provider in order to honour his contractual engagements.</p> <p>CodingScheme = A01 (EIC)</p> <p>SubstituteResourceProvider = EIC-code identifying the Resource Provider at the Regelleistung platform</p>
Size	<p>The maximum length of a Substitute Resource Provider identification is 16 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	Both the identification and the coding scheme are dependent.
Dependence requirements	SubstituteResourceProvider is optional. If omitted, the Primary reserve is unavailable and the resource provider cannot transfer this part of its portfolio to another prequalified resource provider.

1.2.7.8 Acquiring Area – Coding Scheme

ACTION	DESCRIPTION
Definition of element	The area where the reserve is contracted for use.
Description	<p>The identification of the Acquiring area that the reserve is contracted for use.</p> <p>CodingScheme = A01 (EIC)</p> <p>AcquiringArea = 10YNL-----L (Dutch acquiring area)</p>
Size	<p>The maximum length of the area code is 18 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	This information is mandatory in accordance with local market rules.
Dependence requirements	None

1.2.7.9 Capacity Contract Type

ACTION	DESCRIPTION
Definition of element	The contract type defines the conditions under which the capacity was allocated and handled.
Description	This information defines the conditions under which the capacity was allocated and handled. CapacityContractType = A01 (Daily auction)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory in accordance with local market rules.
Dependence requirements	None

1.2.7.10 Capacity Agreement Identification

ACTION	DESCRIPTION
Definition of element	The identification of a capacity agreement.
Description	This provides the identification of the capacity agreement that is relative to the time series. The Capacity Agreement Identification is defined as follows: YYYYMMDD = date of the period covered by the corresponding auction. YYYY = year in 4 numeric positions MM = month in 2 numeric positions DD = day in 2 numeric positions
Size	The length of this information is 8 alpha-numeric characters.
Applicability	This information is mandatory in accordance with local market rules.
Dependence requirements	None

1.2.7.11 Measurement Unit

ACTION	DESCRIPTION
Definition of element	The unit of measure that is applied to the quantities in which the time series is expressed.
Description	The unit of measurement used for the quantities expressed within the time series. MeasurementUnit = MAW (Megawatt)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.8 Rules governing the Period class

There may be several period classes for a time series.

The overall time interval covered by the period shall cover the complete time period.

The number of periods within a time series as characterized by the resolution must completely cover the period's time interval.

A time series is suppressed by zeroing out all the interval quantities.

A sender's minimal resolution must respect market rules.

1.2.8.1 Time Interval.

ACTION	DESCRIPTION
Definition of element	The start and end date and time of the time interval of the period in question.
Description	This information provides the start and end date and time of the period being reported.
Size	The start and end date and time must be expressed in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.8.2 Resolution

ACTION	DESCRIPTION
Definition of element	The resolution defining the number of periods that the time interval is divided.
Description	This information defines the resolution of a single period. The time interval must contain a whole number of periods as expressed by the resolution.
Size	<p>The resolution is expressed in compliance with ISO 8601 in the following format:</p> <p style="text-align: center;">PnYnMnDTnHnMnS.</p> <p>Where nY expresses a number of years, nM a number of months, nD a number of days.</p> <p>The letter "T" separates the date expression from the time expression and after it nH identifies a number of hours, nM a number of minutes and nS a number of seconds.</p> <p>For example PT15M expresses a 15 minute resolution. Remind that in future only PT15M will be allowed (see paragraph 1.2.4.3 bullet 6).</p>
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.9 Rules governing the Interval class

The interval class contains the relative position within a time interval period and the quantity associated with that position.

The position must begin with 1 and increment by 1 for each subsequent position forming a series of contiguous numbers covering the complete range of the period.

Any leading zeros in a position shall be suppressed.

Negative values are not allowed in time series quantities.

Zero value periods must be sent.

Leading zeros in a quantity shall be suppressed before transmission.

1.2.9.1 Pos

ACTION	DESCRIPTION
Definition of element	The relative position of a period within a time interval.
Description	This information provides the relative position of a period within a time interval.
Size	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed. The maximum number of characters is 6.
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.9.2 Qty

ACTION	DESCRIPTION
Definition of element	The quantity of the product scheduled for the position within the time interval in question.
Description	<p>This information defines the quantity of energy scheduled for the position within the time interval period.</p> <p>A decimal point value may be used to express values that are inferior to the defined unit of measurement.</p> <p>The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period (".").</p> <p>All quantities shall be non-signed.</p>
Size	<p>The maximum length of this information is 17 numeric characters (decimal mark included).</p> <p>The number of decimal places identifying the fractional part of the quantity depends on local market rules and will be fixed on one (1).</p>
Applicability	This information is mandatory.
Dependence requirements	None.

1.2.10 Rules governing the Reason class

Generally, in an ERRP-PRS message, the Reason class may be used to provide specific local market information, such as the status of the quantity, as well as diagnostic information.

In the Primary reserve allocation message in specific, the Reason element is used to specify the droop ratio together with the allocated Primary reserve. Per interval in a PlannedResourceTimeSeries Period element, exactly 1 Reason element is specified, following the local market specifications in this paragraph. Other Reason elements are not allowed in the PlannedResourceTimeSeries and will cause the whole message to be rejected. So will Reason elements elsewhere in the allocation message.

1.2.10.1 Reason code

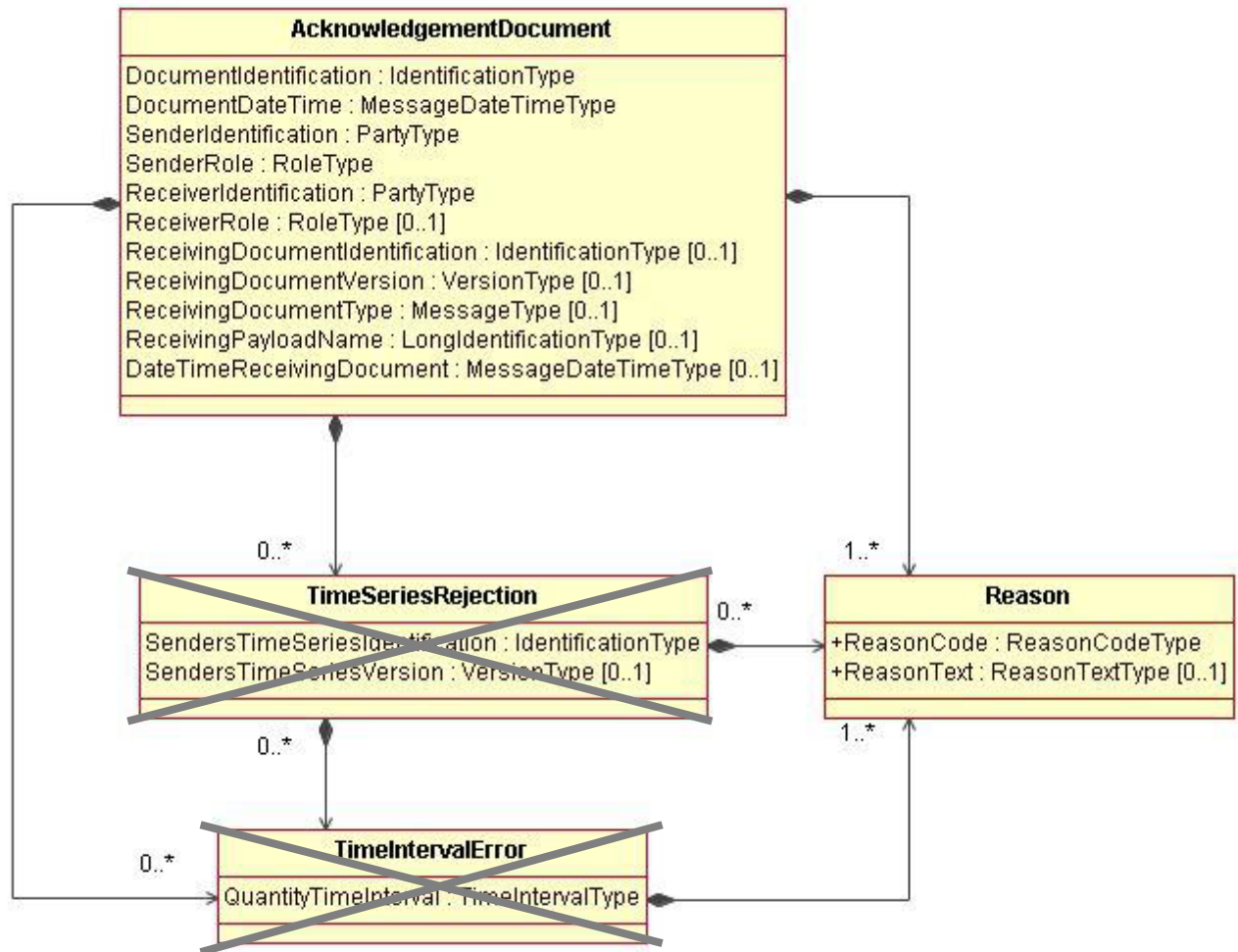
ACTION	DESCRIPTION
	The reason code provides status or diagnostic information concerning the quantity in the interval
Description	The reason code will be used to get additional information on the droop ratio (Dutch: statiek) ReasonCode = A95 (complementary information)
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is dependent on local market rules.

1.2.10.2 Reason Text

ACTION	DESCRIPTION
Definition of element	Complementary textual information concerning the status or diagnostic.
Description	Text will be used to report the Droop Ratio together with the quantity as "Droop:nn.n" where nn.n is the droop ratio as a percentage. The decimal mark that separates the digits forming the integral part of a number from those forming the fractional part (ISO 6093) shall always be a period ("."). Local market rules prescribe that a maximum of 1 decimal may be specified.
Size	The maximum length of the Reason Text is 512 alphanumeric characters. However, when specifying the Droop Ratio as described, the maximum length is 10 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is dependent on local market rules.

1.3 Acknowledgement

1.3.1 The Acknowledgement model



Note that the optional classes for **TimeSeriesRejection** and **TimeIntervalError** are not used in the local market implementation. An Acknowledgement Document in this implementation only contains an AcknowledgementDocument header and one or more Reason elements at that level. Consequently, the paragraphs detailing the rules for the **TimeSeriesRejection** and **TimeIntervalError** classes are omitted.

1.3.2 Rules governing the Acknowledgement Document class

1.3.2.1 Document Identification

ACTION	DESCRIPTION
Definition of element	Unique identification of the acknowledgement of a document that has been received.
Description	An acknowledgement document is sent in reply to the receipt of a document. This identification is assigned by the party who is acknowledging the application reception of a document. An acknowledgement is sent for the receipt of every document in the information flow as requiring an acknowledgement.
Size	The acknowledgement identification may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.3.2.2 Document Date and Time

ACTION	DESCRIPTION
Definition of element	Date and time of transmission of the acknowledgement.
Description	The date and time that the document was prepared for transmission by the sender.
Size	The date and time must be expressed in UTC 0 as: YYYY-MM-DDTHH:MM:SSZ.
Applicability	This information is mandatory.
Dependence requirements	None.

1.3.2.3 Sender Identification – Coding Scheme

ACTION	DESCRIPTION
Definition of element	Identification of the party that is the originator of the acknowledgement.
Description	The originator of the acknowledgement is identified by a unique coded identification. This value should be the same as that found in the receiver identification of the document being acknowledged. CodingScheme = A01 (EIC) SenderIdentification = 10X1001A1001A361 (TenneT)
Size	The maximum length of a sender's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

1.3.2.4 Sender Role

ACTION	DESCRIPTION
Definition of element	Identification of the role that is played by the sender.
Description	The sender role, which identifies the role of the sender within the document. SenderRole = A04 (TSO)
Size	The maximum length of a sender role is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.3.2.5 Receiver Identification – Coding Scheme

ACTION	DESCRIPTION
Definition of element	Identification of the party who is the recipient of the acknowledgement.
Description	The recipient of the document is identified by a unique coded identification. CodingScheme = A01 (EIC) ReceiverIdentification = EIC of Resource Provider
Size	The maximum length of a receiver's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

1.3.2.6 Receiver Role

ACTION	DESCRIPTION
Definition of element	Identification of the role played by the receiver.
Description	The receiver role, which identifies the role of the receiver within the document. ReceiverRole = A27 (Resource Provider role)
Size	The maximum length of a receiver role is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.3.2.7 Receiving Document Identification

ACTION	DESCRIPTION
Definition of element	Unique identification of the document that has been received.
Description	This information identifies the document that this acknowledgement concerns. The identification is extracted from that document.
Size	A receiving document code identification may not exceed 35 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	If the received document cannot be successfully processed, this information may not be available. (f.e. in case of invalid xml)

1.3.2.8 Receiving Document Version

ACTION	DESCRIPTION
Definition of element	Version of the document received.
Description	The version of the document that has been received.
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is dependent.
Dependence requirements	The document version must be provided for all documents being acknowledged that have a document version attribute.

1.3.2.9 Receiving Document Type

ACTION	DESCRIPTION
Definition of element	Type of the document received.
Description	The document type is used to identify the type of document being acknowledged. DocumentType = A14 (Resource Provider Resource Schedule)
Size	A document type may not exceed 3 alpha-numeric characters.
Applicability	This information is dependent.
Dependence requirements	The document type is mandatory in contexts where there is potential ambiguity about the document being acknowledged.

1.3.2.10 Receiving Payload Name

ACTION	DESCRIPTION
Definition of element	The name of the file or the payload identification that contains the document that cannot be processed.
Description	A document can be received via an FTP server, or a Mime payload. Whenever it cannot be processed, this field is used by the technical acknowledgement to identify the container of the document for facilitate the sender in identifying it. This element is <i>not</i> used.
Size	The Receiving Payload Name may not exceed 150 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	This information is only provided in the case where an electronic document cannot be processed due to a content error by the receiving system.

1.3.2.11 Date Time Receiving Document

ACTION	DESCRIPTION
Definition of element	Date and time of reception of the electronic document.
Description	The date and time that the document was received by the receiving system.
Size	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
Applicability	This information is dependent.
Dependence requirements	This information is provided only if it has been agreed between the two parties.

1.3.3 Rules governing the Reason class

1.3.3.1 Introduction

If the acknowledgement of a document is without error, only one reason element is necessary at the acknowledgement header level. However, if there are errors then there may be as many “reason” elements as are necessary to describe any errors discovered in the received document.

At least one reason element must appear associated with the header part of the document.

1.3.3.2 Reason Code

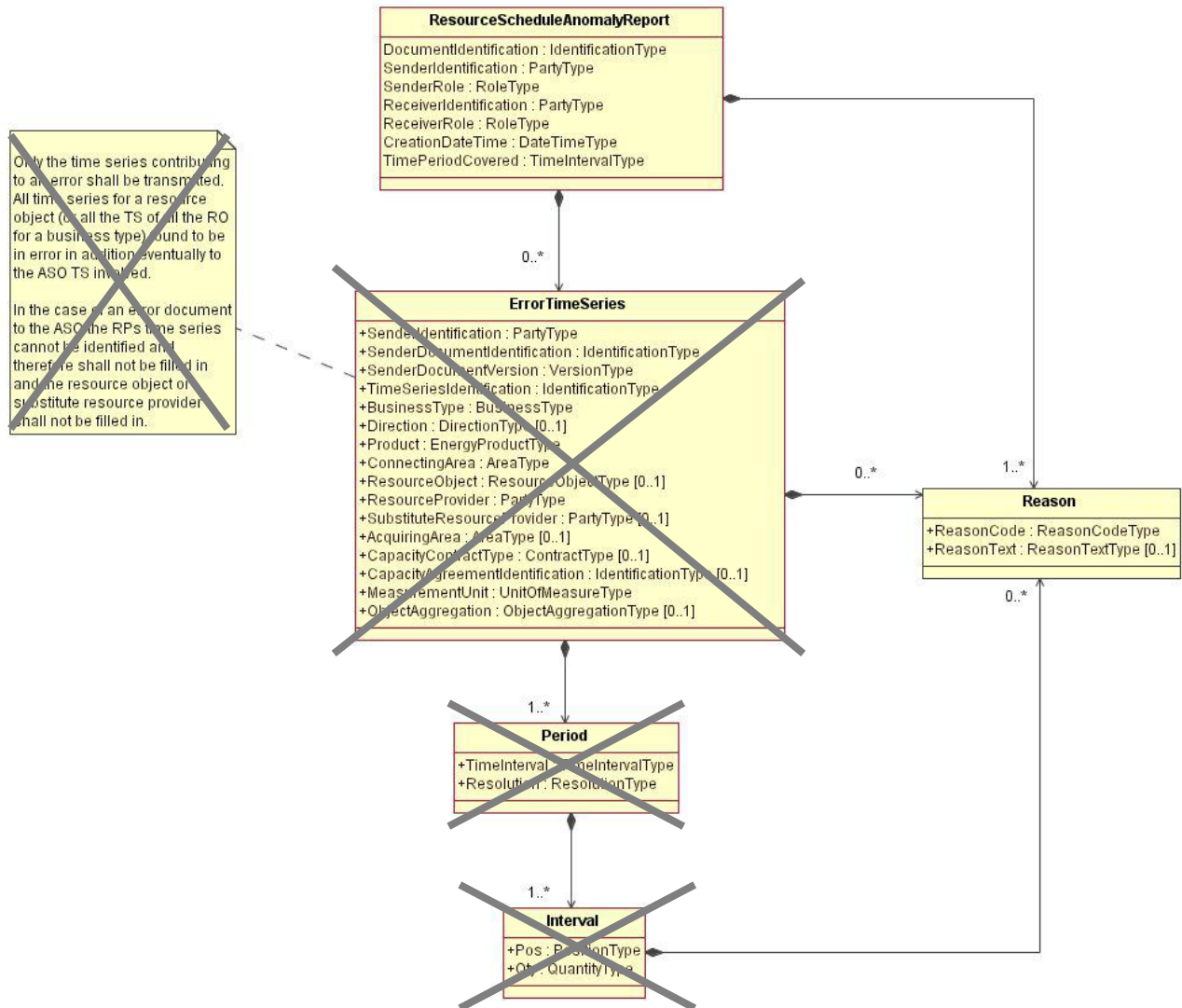
ACTION	DESCRIPTION
Definition of element	<p>A code providing the acknowledgement status. Currently the following statuses have been identified:</p> <p>At the document level</p> <p>A01 = Message fully accepted A02 = Message fully rejected A03 = Message contains errors at the time series level A04 = Schedule time interval incorrect A51 = Message identification or version conflict A52 = Time series missing from new version of message A53 = Receiving party incorrect A59 = Not compliant with local market rules A94 = Document cannot be processed by receiving system</p> <p>At the time series level</p> <p>A20 = Time series fully rejected A21 = Time series accepted with specific time interval errors A41 = Resolution inconsistency A50 = Senders time series version conflict A55 = Time series identification conflict A56 = Corresponding time series not netted A57 = Deadline limit exceeded A59 = Not compliant with local market rules</p> <p>Note: Other codes defined in the ENTSO-E Code List of Reason Codes are NOT ALLOWED according to the current local market rules.</p>
Description	The reason code provides the status of the acknowledgement. If the receiving document is fully accepted then there is simply a reason code (A01) at the header part of the acknowledgement. For errors as many reason elements as necessary may be used.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.3.3.3 Reason Text

ACTION	DESCRIPTION
Definition of element	Textual description of a rejection
Description	If the code does not provide all the information to clearly identify an error the reason text may be used
Size	The maximum length of this information is 512 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	Used only if the reason code is insufficient to identify an error. (A02)

1.4 Resource Schedule Anomaly Report

1.4.1 The Anomaly Report model



RESOURCE SCHEDULE ANOMALY REPORT INFORMATION MODEL

Note that the optional classes for ErrorTimeSeries, Periods and Intervals are not used in the local market implementation. A Resource Schedule Anomaly Report for this implementation only contains a ResourceScheduleAnomalyReport header and one or more Reason elements at that level. Consequently, the paragraphs detailing the rules for the ErrorTimeSeries, Period and Interval classes are omitted.

1.4.2 Rules governing the Resource Schedule Anomaly Report Header class

1.4.2.1 Document Identification

ACTION	DESCRIPTION
Definition of element	Unique identification of the document for which the anomaly data is being supplied.
Description	A Resource Schedule Anomaly Report concerning a Planned Resource Schedule must have a unique identification assigned by the Connecting System Operator (the Sender of the document) for all transmissions to the receiver. Each Anomaly Report shall have a unique identification.
Size	The identification of a document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.4.2.2 Sender Identification – Coding Scheme

ACTION	DESCRIPTION
Definition of element	Identification of the party that is the owner of the document and is responsible for its content.
Description	The unique coded identification of the sender of the document that is known to the receiver of the document. This code identifies the party that is the owner of the information being transmitted in the document and is responsible for its content. In the case of Resource Schedule Anomaly Reports it identifies the TSO. CodingScheme = A01 (EIC) SenderIdentification = 10X1001A1001A361 (TenneT)
Size	The maximum length of a sender's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

1.4.2.3 Sender Role

ACTION	DESCRIPTION
Definition of element	Identification of the role that is played by the sender.
Description	The sender role, which identifies the role of the sender within the document. SenderRole = A04 (TSO)
Size	The maximum length of a sender role is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.4.2.4 Receiver Identification – Coding Scheme

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	The receiver of the document is identified by a unique coded identification. In this case it identifies the Resource Provider's EIC code as used at the Regelleistung platform CodingScheme = A01 (EIC) ReceiverIdentification = EIC of the Resource Provider
Size	The maximum length of a receiver's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

1.4.2.5 Receiver Role

ACTION	DESCRIPTION
Definition of element	Identification of the role played by the receiver.
Description	The receiver role, which identifies the role of the receiver within the document. ReceiverRole = A27 (Resource Provider)
Size	The maximum length of a receiver role is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

1.4.2.6 Creation Date Time

ACTION	DESCRIPTION
Definition of element	Date and time of creation of the document.
Description	The date and time that the document was prepared for transmission by the application of the sender.
Size	The date and time must be expressed in UTC as: YYYY-MM-DDTHH:MM:SSZ.
Applicability	This information is mandatory.
Dependence requirements	None.

1.4.2.7 Time Period Covered

ACTION	DESCRIPTION
Definition of element	The beginning and ending date and time of the period covered by the document.
Description	This information provides the start and end date and time of the time period. This period will cover one week from Monday to Monday The receiver will discard any time intervals outside the time period indicated.
Size	The start and end date and time must be expressed as: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
Applicability	This information is mandatory.
Dependence requirements	None.

1.4.3 Rules governing the Reason class

1.4.3.1 Introduction

According to general ENTSO-E regulations, errors in an anomaly report are globally identified at the report header level and detailed at the time series or interval levels to identify the anomalies that have occurred. However, following local market regulations, the Resource Schedule Anomaly Report that is returned to the Resource Provider by TenneT will report anomalies at the report header level only. Only Reasons with ReasonCode A02 will occur.

In general the Reason Text can be used to explain clearly the motivation for the rejection.

1.4.3.2 Reason Code

ACTION	DESCRIPTION
Definition of element	<p>A code providing the status of the anomaly. Currently the following statuses have been identified:</p> <p>At the document level</p> <p>A02 = Message fully rejected</p> <p>A03:= Message contains errors at the time series level.</p> <p>A57 = Deadline limit exceeded (version 1 after 17:00h at day ahead)</p> <p>A60 = Inter-area transit schedule exceeds nominated schedule</p> <p>At the timeseries level</p> <p>A09 = Time series not matching</p> <p>A27 = Cross border capacity exceeded</p> <p>A28 = Counterpart time series missing</p> <p>A29 = Counterpart time series quantity differences.</p> <p>A65 = Reserve Technical limits exceeded</p> <p>A66 = Planned reserves do not correspond with contractual data</p> <p>A67 = Limit data is not available</p> <p>A68 = Reserve Object not qualified for reserve type</p> <p>Note: Other codes defined in the ENTSO-E Code List of Reason Codes are NOT ALLOWED according to the current local market rules.</p>
Description	The reason code provides the status of the anomaly. As many reason elements as necessary may be used.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is mandatory
Dependence requirements	None.

1.4.3.3 Reason Text

ACTION	DESCRIPTION
Definition of element	Textual rejection of an anomaly.
Description	The actual reason for the rejection. This text may provide references to time series (TimeSeriesIdentification), periods (TimeInterval) and/or intervals (Pos) in the original PRS-message.
Size	The maximum length of this information is 512 alphanumeric characters.
Applicability	This information is mandatory
Dependence requirements	None.