

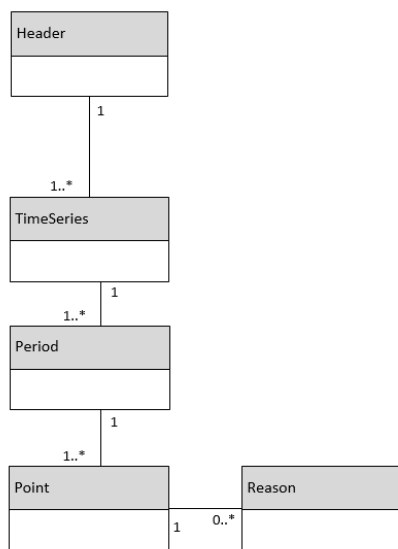
Tehniskās un datu apmaiņas prasības rezervju nodrošināšanas vienībām: pielikumi

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2. Forma patēriņa un ģenerācijas plānu iesniegšanai

| | |
|-----------------------|---|
| Document | IEC 62325-351 Energy Account Market Document |
| Document format | .XML |
| Namespace | urn:iec62325.351:tc57wg16:451-4:energyaccountdocument:4:0 |
| Communication channel | web-service |

DOCUMENT STRUCTURE DIAGRAM



ELEMENT DESCRIPTION

| Tag | Value | Mandatory | Description | Conditions |
|----------------|---------------|-----------|---|---|
| Header | | | | |
| mRID | (1..35 chars) | YES | Unique identification of the document for which the time series data is being supplied. | All additions, modifications, or suppressions for the time series must use the same identification. |
| RevisionNumber | (1..3 chars) | YES | Document version | 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. |

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|--|------------------|-------------|--|--|
| Type | A14 | Y E S | The document type | A14 - Resource provider resource schedule |
| DocStatus | A02 | Y E S | The document status | A02 - Final |
| process.processType | A05 | Y E S | The process type identifies the process to which the information flow is directed. | A05 - Metered data aggregation |
| process.classificationType | A01 | Y E S | A type that is used to classify the document by aggregation or classification | A01 - Detail |
| sender_MarketParticipant.mRID | (1..16 chars) | Y E S | Identification of the party that is the owner of the document | EIC code of the sender |
| sender_MarketParticipant.marketRole.type | A27 | Y E S | Identification of the role that is played by the sender. | A27 - resource provider |
| receiver_MarketParticipant.mRID | 10X1001A1001B54W | Y E S | Identification of the party who is receiving the document | AST EIC code: 10X1001A1001B54W |
| receiver_MarketParticipant.marketRole.type | A04 | Y E S | Identification of the receiver role | A04 - System operator |
| CreatedDateTime | UTC DateTime | Y E S | The date and time that the document was prepared for transmission by the application of the sender | The date and time must be expressed in UTC time zone and in UTC as YYYY-MM-DDTHH:MM:SSZ. |
| period.timeInterval | | | | |
| start | UTC DateTime | Y E S | The beginning date and time of the period covered by the document. | The start date and time must be expressed in UTC time zone and as YYYY-MM-DDTHH:MMZ. period.timeInterval is fixed during 1 day. Full local time day, expressed in UTC. |

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|--------------------|------------------|-------------|--|---|
| end | UTC DateTime | Y E S | Ending date and time of the period covered by the document. | The end date and time must be expressed in UTC time zone and as YYYY-MM-DDTHH:MMZ. Period.timeInterval is fixed during 1 day. |
| Time series | | | | |
| mRID | (1...35 chars) | Y E S | 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 account time series class. This must be unique for the whole document and guarantee the non-duplication of all the attributes of the account time series class. mRID should be provided in following form: EIC_NNNNNNNNNNNNNNNN_M_P_XXXXXXXXX where N's are replaced with EIC of the object within whom the submetering is done (for example: 00Z00EXAMPLE000A) and X's are replaced with measurement point number of corresponding commercial metering point (within the object) under which the sub-metering is done (for example:12345678) Example:EIC_00Z00EXAMP LE000A MP 12345678 |
| BusinessType | A13 | Y E S | The nature of the time series for which the product is handled. | A13 - Load profile |
| Product | 8716867000030 | Y E S | Identification of an energy product such as power, energy, reactive power, transport, capacity, etc. | 8716867000030 - Active energy |
| objectAggregation | A02 | Y E S | Identifies how the object is aggregated | A02 Metering point |
| area_Domain.mRID | 10YLV-1001A00074 | Y E S | The area of concern for the imbalance settlement responsible that the time series addresses | Latvia EIC code: 10YLV-1001A00074 |

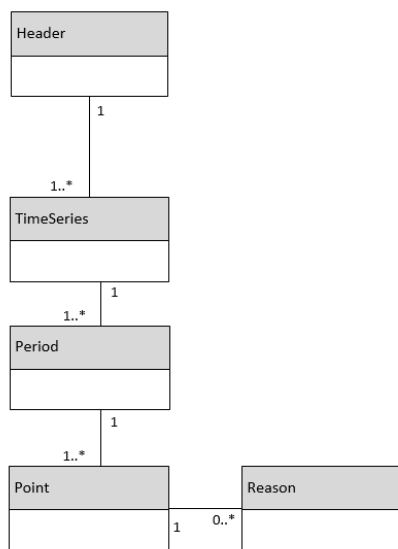
| | | | | |
|----------------------------|----------------------|-------------|---|---|
| marketParticipant.mRID | (1..16 chars) | N O | The party of concern for the time series | In special cases when report data is concerning other market participant, EIC of that said participant should be included here. By default, sender EIC should be used. |
| measure_Unit.name | MWH | Y E S | The unit of measurement used for the quantities expressed within the time series. | Always expressed in megawatt-hours - MWH |
| marketEvaluationPoint.mRID | (1..16 chars) EIC | N O | A point where the calculation of the energy produced or consumed is carried out. | It may be a physical point situated at an extremity of a line; a virtual point that is an agreed position between two connections or an aggregation of physical or virtual points. Baseline (Baseline data for whole portfolio): EIC of BSP |
| Period | | | | |
| TimeInterval | | | | |
| start | UTC DateTime | Y E S | The beginning date and time of the period being reported. | The start date and time must be expressed in UTC time zone and as YYYY-MM-DDTHH:MMZ. timeInterval is same as period.timeInterval for submission on D-1. For Baseline updates during day only MTUs that are available for updates (no later than HH-60min) can be included. YYYY-MM-DDTHH:MMZ. |
| end | UTC DateTime | Y E S | Ending date and time of the period being reported. | The end date and time must be expressed in UTC time zone and as YYYY-MM-DDTHH:MMZ. timeInterval for submission on D-1 is the same as period.timeInterval. For Baseline updates during day only MTUs that are available for updates (no later than HH-60min) can be included. YYYY-MM-DDTHH:MMZ |

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|-----------------------|------------------------|-----|--|--|
| Resolution | PT1H | YES | The resolution defining the number of periods that the time interval is divided. | <p>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. Baseline: PT1H</p> |
| Point | | | | |
| Position | (1...6 chars) | YES | This information provides the relative position of a period. | The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed. |
| in_Quantity.quantity | (1...17 numeric chars) | YES | The quantity of the product that enters the area. | The quantity of the product that enters the area for the position within the account interval in question. Max three decimal positions. |
| out_Quantity.quantity | (1...17 numeric chars) | YES | The quantity of the product that leaves the area. | The quantity of the product that leaves the area. For the position within the account interval in question. Max three decimal positions. |

3. RPS kontrolzskaites datu iesniegšanas forma

| | |
|-----------------------|---|
| Document | IEC 62325-351 Energy Account Market Document |
| Document format | .XML |
| Namespace | urn:iec62325.351:tc57wg16:451-4:energyaccountdocument:4:0 |
| Communication channel | web-service |

DOCUMENT STRUCTURE DIAGRAM



ELEMENT DESCRIPTION

| Tag | Value | Mandatory | Description | Conditions |
|----------------|---------------|-------------|---|---|
| Header | | | | |
| mRID | (1..35 chars) | Y E S | Unique identification of the document for which the time series data is being supplied. | All additions, modifications, or suppressions for the time series and must use the same identification. |
| RevisionNumber | (1..3 chars) | Y E S | Document version | Starts at 1 and increases sequentially if metering data update is necessary. |
| Type | A11 | Y E S | The document type | A11 - Aggregated energy data report |
| DocStatus | A02 | Y E S | The document status | A02 - Final |

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|--|------------------|-------------|--|--|
| process.processType | A05 | Y E S | The process type identifies the process to which the information flow is directed. | A05 - Metered data aggregation |
| process.classificationType | A01 | Y E S | A type that is used to classify the document by aggregation or classification | A01 - Detail |
| sender_MarketParticipant.mRID | (1..16 chars) | Y E S | Identification of the party that is the owner of the document | EIC code of the sender |
| sender_MarketParticipant.marketRole.type | A27 | Y E S | Identification of the role that is played by the sender. | A27 - resource provider |
| receiver_MarketParticipant.mRID | 10X1001A1001B54W | Y E S | Identification of the party who is receiving the document | AST EIC code: 10X1001A1001B54W |
| receiver_MarketParticipant.marketRole.type | A04 | Y E S | Identification of the receiver role | A04 - System operator |
| CreatedDateTime | UTC DateTime | Y E S | The date and time that the document was prepared for transmission by the application of the sender | The date and time must be expressed in UTC time zone and in UTC as YYYY-MM-DDTHH:MM:SSZ. |
| period.timeInterval | | | | |
| start | UTC DateTime | Y E S | The beginning date and time of the period covered by the document. | The start and end date and time must be expressed in UTC time zone and as YYYY-MM-DDTHH:MMZ. Period.timeInterval is one full quarter hour. Possible values for start time: YYYY-MM-DDTHH:00Z; YYYY-MM-DDTHH:15Z; YYYY-MM-DDTHH:30Z; YYYY-MM-DDTHH:45Z. |
| end | UTC DateTime | Y E S | Ending date and time of the period covered by the document. | The start and end date and time must be expressed in UTC time zone and as YYYY-MM-DDTHH:MMZ. Period.timeInterval is one full quarter hour. Corresponding possible values for end time: YYYY-MM-DDTHH:15Z; YYYY-MM-DDTHH:30Z; YYYY-MM-DDTHH:45Z; YYYY-MM-DDTHH:00Z. |

| Time series | | | | |
|-------------------|------------------|-------------|--|---|
| mRID | (1...35 chars) | Y E S | Sender's identification of the time series instance. | <p>This must be unique for the whole document and guarantee the non-duplication of all the attributes of the account time series class.</p> <p>This must be unique for the whole document and guarantee the non-duplication of all the attributes of the account time series class.</p> <p>mRID should be provided in following form: EIC_NNNNNNNNNNNNNNNN_M P_XXXXXXX where N's are replaced with EIC of the object within whom the submetering is done (for example: 00Z00EXAMPLE000A) and X's are replaced with measurement point number of corresponding commercial metering point (within the object) under which the sub-metering is done (for example:12345678) Example:EIC_00Z00EXAMP LE000A_MP_12345678</p> |
| BusinessType | A14 | Y E S | The nature of the time series for which the product is handled. | A14 - Aggregated energy data |
| Product | 8716867000030 | Y E S | Identification of an energy product such as power, energy, reactive power, transport, capacity, etc. | 8716867000030 - Active energy |
| objectAggregation | A02 | Y E S | Identifies how the object is aggregated | A02 Metering point |
| area_Domain.mRID | 10YLV-1001A00074 | Y E S | The area of concern for the imbalance settlement responsible that the time series addresses | Latvia EIC code: 10YLV-1001A00074 |

| | | | | |
|----------------------------|-----------------------|-------------|---|--|
| marketParticipant.mRID | (1..16 chars) | N O | The party of concern for the time series | In special cases when report data is concerning other market participant, EIC of that said participant should be included here. By default, sender EIC should be used. |
| measure_Unit.name | MWH | Y E S | The unit of measurement used for the quantities expressed within the time series. | Always expressed in megawatt-hours - MWH |
| marketEvaluationPoint.mRID | (1..16 chars) | N O | A point where the calculation of the energy produced or consumed is carried out. | It may be a physical point situated at an extremity of a line; a virtual point that is an agreed position between two connections or an aggregation of physical or virtual points. Metering data: EIC of the object within whom the submetering is done. |
| Period | | | | |
| TimeInterval | | | | |
| start | UTC DateTime | Y E S | The beginning date and time of the period being reported. Same as Period.timeInterval | The start date and time must be expressed in UTC time zone and as YYYY-MM-DDTHH:MMZ. Period.timeInterval is one full quarter hour. Possible values for start time: YYYY-MM-DDTHH:00Z; YYYY-MM-DDTHH:15Z; YYYY-MM-DDTHH:30Z; YYYY-MM-DDTHH:45Z. |
| end | UTC DateTime interval | Y E S | Ending date and time of the period being reported. Same as Period.timeInterval | The end date and time must be expressed in UTC time zone and as YYYY-MM-DDTHH:MMZ. Period.timeInterval is one full quarter hour. Corresponding possible values for end time: YYYY-MM-DDTHH:15Z; YYYY-MM-DDTHH:30Z; YYYY-MM-DDTHH:45Z; YYYY-MM-DDTHH:00Z. |

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|--|-----------------------|------------------------|-------------|--|--|
| | Resolution | PT1M | Y E S | The resolution defining the number of periods that the time interval is divided. | <p>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.</p> <p>Metering data: PT1M</p> |
| | Point | | | | |
| | Position | (1...6 chars) | Y E S | This information provides the relative position of a period. | The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed. |
| | in_Quantity.quantity | (1...17 numeric chars) | Y E S | The quantity of the product that enters the area. | The quantity of the product that enters the area for the position within the account interval in question. Six decimal positions should be included. |
| | out_Quantity.quantity | (1...17 numeric chars) | Y E S | The quantity of the product that leaves the area. | The quantity of the product that leaves the area. For the position within the account interval in question. Six decimal positions should be included. |
| | Reason | | | | |
| | Reason Code | A01 A48 | Y E S | The coded motivation of an act. | <p>Metering data: A01 - Message fully accepted A48 - Modification reason After the deadline Metering data modification (with code A48) is allowed only in case of communication or technical problems.</p> |
| | Reason Text | (1...512 chars) | N O | Additional textual information providing an additional explanation of the reason code. | If ReasonCode A48: reason of the modification. |

5. Ziņojumu apmaiņas procesa diagramma

