

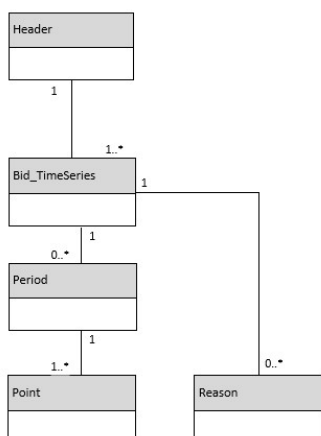
## Tehniskās un datu apmaiņas prasības rezervju nodrošināšanas vienībām: pielikumi

1. Forma regulēšanas produkta solījumam, iesūtīšanai ar tīmekļa pakalpes starpniecību.....	2
2. Forma regulēšanas produkta solījumam, iesūtīšanai ar e-pasta starpniecību.....	7
3. Forma regulēšanas produkta solījuma labošanai pēc solījumu iesniegšanas laika beigām, iesūtīšanai ar tīmekļa pakalpes starpniecību.....	8
4. Forma regulēšanas produkta solījuma labošanai pēc solījumu iesniegšanas laika beigām, iesūtīšanai ar e-pasta starpniecību.....	11
5. AST dispečera dotās regulēšanas produkta solījuma aktivizācijas komandas un aktivizācijas komandas labojumu forma, saziņai ar tīmekļa pakalpes starpniecību .....	12
6. RPS un AST ziņojumu apmaiņas forma regulēšanas produkta solījuma aktivizācijas komandai, aktivizācijas komandas labojuma un komandu apstiprināšanai, saziņai ar e-pasta starpniecību .....	16
7. Formas saņemtās solījuma aktivizācijas komandas un aktivizācijas komandas labojuma apstiprināšanai, saziņai ar tīmekļa pakalpes starpniecību .....	17
8. Forma ziņojuma saņemšanas apstiprināšanas ziņojumam, saziņai ar tīmekļa pakalpes starpniecību .....	21
Apstiprinājuma ziņojuma kļūdu kodi.....	23
9. Forma patēriņa un ģenerācijas plānu iesniegšanai .....	26
10. RPS kontroluzskaites datu iesniegšanas forma .....	31
12. Ziņojumu apmaiņas procesa shēma ziņojumu apmaiņai ar tīmekļa pakalpes starpniecību .....	36

## 1. Forma regulēšanas produkta solījumam, iesūtīšanai ar tīmekļa pakalpes starpniecību

Document	Reserve Bid Document;
Document format	.XML
Namespace	urn:iec62325.351:tc57wg16:451-7:reservebiddocument:7:1
Communication channel	web-service

### DOCUMENT STRUCTURE DIAGRAM



### ELEMENT DESCRIPTION

Tag	Value	Mandatory	Description	Conditions
Header				
mRID	(1..35 chars)	YES	Unique identification of the Bid Document	
revisionNumber	(1...3 chars)	YES	Document version	Initial transmission shall equal "1"
type	A37	YES	Type of the document	A37 - Reserve Bid document
process.processType	A47	NO	The process type identifies the process to which the information flow is directed.	A47 - Manual frequency restoration reserves (mFRR)

Sender_MarketParticipant.mRID	(1...16 chars)	YES	Identification of the party who is sending the document	EIC of party who is sending the document
Sender_MarketParticipant.MarketRoleType	A27	YES	Identification of the role that is played by the sender.	A27 - resource provider
Receiver_MarketParticipant.mRID	10X1001A1001B54W	YES	Identification of the party who is receiving the document	TSO EIC code: 10X1001A1001B54W -AST
Receiver_MarketParticipant.MarketRoleType	A04	YES	Identification of the receiver role	A04 - System operator
CreatedDateTime	UTC DateTime	YES	Date and time of document creation	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
reserveBid_Period.timeInterval				
start	UTC DateTime	YES	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.
end	UTC DateTime	YES	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.
domain.mRID	10YLV-1001A00074	YES	EIC of area covered by sender	EIC code of Latvia: 10YLV-1001A00074
subject_MarketParticipant.mRID	10X1001A1001B54W	YES	EIC of the transmitting TSO	TSO EIC code: 10X1001A1001B54W -AST
subject_MarketParticipant.MarketRoleType	A04	YES	Identification of the transmitting TSO role	A04 - System operator
<b>Bid_TimeSeries</b>				
mRID	(1..35 chars)	YES	Unique identification of the bid assigned by BSP	

auction.mRID	BalticCoBA	Y E S	A unique identification assigned by the Reserve Allocator of the set of specifications that clearly defines the auction to which the tender is addressed. For general reference purposes only	Constant value: Baltic CoBA
businessType	Z54	Y E S	The nature of the time series for which the product is handled.	Regulation offers: Z54 - Volume for mFRR standard product;
acquiring_Domain.mRID	10YLV-1001A00074	Y E S	The EIC identification of the scheduling area where the energy is going	Equal to connecting_Domain.mRID EIC code of Latvia: 10YLV-1001A00074
connecting_Domain.mRID	10YLV-1001A00074	Y E S	The area where the energy is coming from	EIC code of Latvia: 10YLV-1001A00074
provider_MarketParticipant.mRID	(1..16 chars)	N O	A unique identification of the Resource Provider responsible for reserve bid	EIC of the BSP
quantity_Measure_Unit.name	MAW	Y E S	The unit of measurement used for the quantities expressed within the time series.	Always expressed in megawatts - MAW
currency_Unit.name	EUR	N O	The currency in which the monetary amount is expressed.	Constant value: EUR
price_Measure_Unit.name	MWH	N O	The unit if measurement used for the price of energy expressed within the time series	Constant value: MWH
Divisible	A01 A02	Y E S	The indication of whether or not the tender may be reduced to the MinimumActivationQuantity in increments compliant with the StepIncrementQuantity.	A01 - Yes (divisible) A02 - No (not divisible)
BlockBid	A02	N O	The indication that all the time intervals in the time series are to be considered as a whole and that they cannot be subdivided. The default value for this attribute is A02: "No".	A02 - No
LinkedBidIdentification	(1..35 chars)	N O	The identification used to associate bids that are to be linked together. If the bid is not linked then the attribute is not used.	Example: Bid B is linked with bid A. Bid B can be activated only after bid A is activated. Bid B need to have bid A ID.
status	A06 A11	N O	The status of the bid.	The following Status codes permitted: A06 - Available A11 - Unavailable

registeredResource.mRID	(1...18 chars)	N O	Identification of the resource that will be used to supply the energy	EIC code of Resource Object. For example specific power generating module or demand unit or group qualified by TSO.
flowDirection.direction	A01 A02	Y E S	This identifies the direction of the energy flow.	A01 - UP; A02 - DOWN.
original_MarketProduct.marketProductType	A02	N O	Used when the bid refers to a specific product or a specific product that has been converted into a standard product	A02 - Specific product
validity_Period.timeInterval	UTC DateTime interval	N O	The period when the bid can be activated	The start and end date and time must be expressed in UTC time zone and in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
<b>Period</b>				
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.
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.
Resolution	PT60M	Y E S	The resolution defining the number of periods that the time interval is divided.	Time resolution for bid is equal to MTU in compliance with following format: PnYnMnDnHnMnS.
<b>Point</b>				
Pos	(1...6 chars)	Y E S	Position within the time interval	
quantity.quantity	(1...17 numeric chars) Min = 1MW, resolution 1MW	Y E S	Quantity offered	That is expressed in the Measurement Unit Quantity, two decimal positions should be included.
Energy_Price.amount	(1...17 numeric chars)	N O	The price of the energy	Two decimal positions should be included.
<b>Reason</b>				
ReasonCode	(1...3 chars)	Y E S	Refer to the ENTSO-E reason codelist for appropriate codes	This class is strictly associated with the status attribute that has the value of All = no longer available. If status = All: B16 - A tender that has been requested is no longer available in the MOL.

Tag	Value	Mandatory	Description	Conditions
				If status = A06: empty (tag is removed from XML)

## 2. Forma regulēšanas produkta solījumam, iesūtīšanai ar e-pasta starpniecību

### Reserve Bid Document form

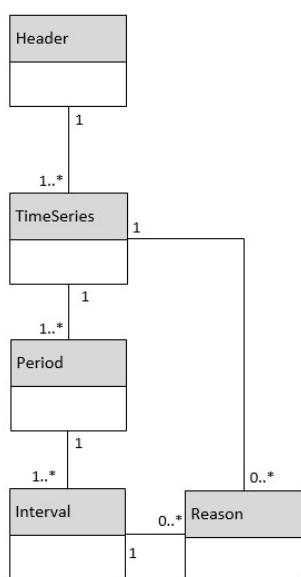
E-mail subject: "RPS"\_Regulesana // File name: "RPS"\_Reg\_DD.MM.YYYY.xlsx

Message					
Document Identification					A unique identification of Document
Document version	1				1 and up
Document type	A37				A37
Process type	A47				A47
Sender and role		A27			EIC of BSP   A27 - BSP
Receiver And role	10X1001A1001B54W	A04			EIC of AST   A04 - TSO
Creation Date Time	2021-11-01T00:00Z				UTC date time expressed as YYYY-MM-DDTHH:MMZ
Reserve Bid Time Interval	2021-11-01T22:00Z	2021-11-02T22:00Z			UTC date time expressed as YYYY-MM-DDTHH:MMZ
Domain	10YLV-1001A00074				EIC of area covered by sender, LV -- 10YLV-1001A00074
Subject Party and role					Empty
Time series					(Add two columns for each sepeare bid)
Reserve Bid Identification	BID_ID_1	BID_ID_1	BID_ID_2	BID_ID_2	Unique identification of the bid assigned by BSP
Auction Identification	BalticCoBA		BalticCoBA		BalticCoBA
Business type	Z54		Z54		Z54 - Volume for mFRR standard product
Acquiring Area	10YLV-1001A00074		10YLV-1001A00074		LV --10YLV-1001A00074
Connecting Area	10YLV-1001A00074		10YLV-1001A00074		LV --10YLV-1001A00074
provider_MarketParticipant.mRID					A unique identification of the Resource Provider responsible for reserve bid (EIC)
Measure Unit Quantity	MAW		MAW		MAW
Currency		EUR		EUR	EUR
Measure Unit Price	MWH		MWH		MWH
Divisible	A01		A02		A01 - divisible, A02 - indivisible
Linked Bid Identification					Linked bid ID
Block bid status	A02		A02		A02 - No
	A06		A06		A06 - Available, A11 - Unavailable
Reserve Object					EIC code of Resource Object
Direction	A01		A02		A01- Up, A02 - Down
Resolution	PT60M		PT60M		PT60M
Time series Data	Volume	Price	Volume	Price	
	1				Volume and price for each period
	2				[..]
	...				
	24				

### 3. Forma regulēšanas produkta solījuma labošanai pēc solījumu iesniegšanas laika beigām, iesūtīšanai ar tīmekļa pakalpes starpniecību

Document	ERRP Activation Document;
Document format	.XML
Namespace	urn:entsoe.eu:wgedi:errp:cobaactivatondocument:5:0
Communication channel	web-service

#### DOCUMENT STRUCTURE DIAGRAM



#### ELEMENT DESCRIPTION

Tag	Value	Mandatory	Description	Conditions
<b>Header</b>				
DocumentIdentification	(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 activation period must use the same identification.
DocumentVersion	(1..3 chars)	Y E S	Document version	Starts at 1 and increases sequentially.
DocumentType	A42	Y E S	Type of the document	A42 - Tender reduction
ProcessType	A30	N O	The process type identifies the process to which the information flow is directed.	A30 - Tertiary reserve process
SenderIdentification	(1..16 chars)	Y E S	Identification of the party that is	EIC of party who is sending the document.



			the owner of the document	
SenderRole	A27	YES	Identification of the role that is played by the sender.	A27 - resource provider
ReceiverIdentification	10X1001A1001B54W	YES	Identification of the party who is receiving the document	10X1001A1001B54W -AST
ReceiverRole	A04	YES	Identification of the receiver role	A04 - System operator
CreationDateTime	UTC DateTime	YES	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 as YYYY-MM-DDTHH:MM:SSZ.
ActivationTimeInterval	UTC DateTime interval	YES	This information provides the start and end date and time of the activation period	The start and end date and time must be expressed in UTC time zone and as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ. Period should contain only future MTU (currently 1 hour) or period till end of current MTU if the Tender reductions is done after start of the corresponding MTU.
ActivationTimeSeries				
AllocationIdentification	(1...35 chars)	YES	The identification of the allocation that was established with the Resource Provider to provide reserves.	mRID of Bid TimeSeries (Reserve Bid Document).
ResourceProvider	(1...16 chars)	YES	A unique identification of the Resource Provider responsible for reserve activation	BSP EIC code
BusinessType	Z54	YES	The nature of the time series for which the product is handled.	Z54 - Volume for mFRR standard product;
ConnectingArea	10YLV-1001A00074	YES	The area where the energy is coming from	EIC code. 10YLV-1001A00074 -Latvia
MeasureUnit	MAW (1...3 chars)	YES	The unit of measurement used for the quantities expressed within the time series.	Always expressed in megawatts -MAW
Direction	A01 A02	YES	This identifies the direction of the energy flow.	A01 = UP, this signifies that the available power can be used by the Acquiring area to increase energy. A02 = DOWN, this signifies that the available power can be

				used by the Acquiring area to decrease energy.
Status	All	Y E S	The status of the specific activation request.	All = Unavailable - the quantities in the time series are unavailable.
ResourceObject	(1...18 chars)	N O	Identification of the resource that is used to supply energy capabilities to the System Operator.	EIC code A Resource Object is only used if a specific Resource Object is to be activated.
<b>Period</b>				
TimeInterval	UTC DateTime interval	Y E S	This information provides the start and end date and time of the period being reported.	The start and end date and time must be expressed in UTC time zone and in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ. Period should contain only future MTU (currently 1 hour) or period till end of current MTU if the Tender reductions is done after start of the corresponding MTU.
Resolution	PTnM	Y E S	The resolution defining the number of periods that the time interval is divided.	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.
<b>Interval</b>				
Pos	(1...6 chars)	Y E S	This information provides the relative position of a period within an activation interval	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed.
Qty	(1...17 numeric chars) Min = 1MW, resolution 1MW	Y E S	This information defines the quantity that is to be activated for the interval in question and that is expressed in the Measurement Unit Quantity.	If the document type is Tender reduction, then quantity for which the volume decreases.

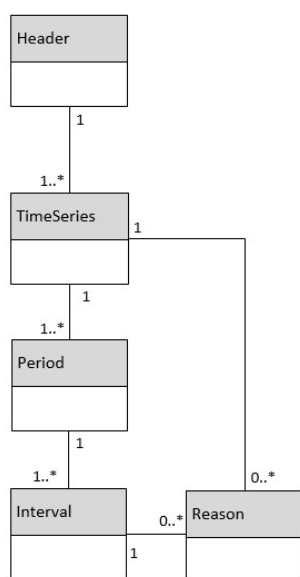
#### 4. Forma regulēšanas produkta solījuma labošanai pēc solījumu iesniegšanas laika beigām, iesūtīšanai ar e-pasta starpniecību

<b>Message</b>			
<b>Document Identification</b>			A unique identification of document
<b>Document version</b>	1		1 and up
<b>Document type</b>	A42		A42
<b>Process type</b>	A30		A30
<b>Sender and role</b>	EIC of BSP	A27	EIC of BSP   A27 - BSP
<b>Receiver And role</b>	10X1001A1001A55Y	A04	EIC of AST   A04
<b>Creation Date Time</b>	2021-11-01T00:00Z		UTC date time expressed as YYYY-MM-DDTHH:MMZ
<b>Activation Time Interval</b>	2021-11-01T00:00Z	2021-11-01T01:00Z	UTC date time expressed as YYYY-MM-DDTHH:MMZ Only future (after GCT) or current MTU (after start of MTU)
<b>Time series</b>			
<b>Reserve Bid Identification</b>	BID_ID_1		Bid ID
<b>provider_MarketParticipant.mRID</b>			EIC of the BSP
<b>Business type</b>	Z54		Z54 - Volume for mFRR standard product
<b>Acquiring Area</b>	10YLV-1001A00074		LV --10YLV-1001A00074
<b>Connecting Area</b>	10YLV-1001A00074		LV --10YLV-1001A00074
<b>Measure Unit Quantity</b>	MAW		MAW
<b>Direction</b>	A01		A01- Up, A02 - Down
<b>Status</b>	A11		A11 - Unavailable
<b>Reserve Object</b>			EIC code of Resource Object
<b>Resolution</b>	PT60M		PT60M or less (if the MTU has started)
<b>Time series Data</b>	Volume		
	1		the quantity for which the available volume decreases.

## 5. AST dispečera dotās regulēšanas produkta solījuma aktivizācijas komandas un aktivizācijas komandas labojumu forma, saziņai ar tīmekļa pakalpes starpniecību

Document	ERRP Activation Document;
Document format	.XML
Namespace	urn:entsoe.eu:wgedi:errp:cobaactivatondocument:5:0
Communication channel	web-service

### DOCUMENT STRUCTURE DIAGRAM



### ELEMENT DESCRIPTION

Activation document from TSO				
Tag	Value	Mandatory	Description	Conditions
<b>Header</b>				
DocumentIdentification	(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 and activation period must use the same identification.
DocumentVersion	(1..3 chars)	YES	Document version	Starts at 1 and increases sequentially.
DocumentType	A40	YES	Type of the document	A40 - Activation order
ProcessType	A30	NO	The process type identifies the process to which the information flow is directed.	A30 -Tertiary reserve process

SenderIdentification	10X1001A1001B54W	YES	Identification of the party that is the owner of the document	10X1001A1001B54W -AST
SenderRole	A04	YES	Identification of the role that is played by the sender.	A04 - System operator
ReceiverIdentification	(1...16 chars)	YES	Identification of the party who is receiving the document	EIC of the receiver
ReceiverRole	A27	YES	Identification of the receiver role	A27 - resource provider
CreationDateTime	UTC DateTime	YES	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 as YYYY-MM-DDTHH:MM:SSZ.
ActivationTimeInterval	UTC DateTime interval	YES	This information provides the start and end date and time of the activation period	The start and end date and time must be expressed in UTC time zone and as YYYY-MM-DDTHH:MMZ/YYY-MM-DDTHH:MMZ.
<b>ActivationTimeSeries</b>				
AllocationIdentification	(1..35 chars)	YES	The identification of the allocation that was established with the Resource Provider to provide reserves.	mRID of Bid_TimeSeries of the Reserve Bid Document.
ResourceProvider	(1...16 chars)	YES	A unique identification of the Resource Provider responsible for reserve activation	BSP EIC code
BusinessType	Z54	YES	The nature of the time series for which the product is handled.	Z54 - Volume for mFRR standard product
AcquiringArea	(1...16 chars)	YES	The area where the reserve is contracted for use (destined)	EIC code. For normal activation: 10Y1001A1001A94A - Synchronous area of Baltic states  For special activation: 10YLV-1001A00074 -Latvia 10Y1001A1001A39I - Estonia 10YLT-1001A0008Q - Lithuania 10YFI-1-----U - Finland 10YSE-1-----K - Sweden 10YPL-AREA-----S -Poland 10Y1001A1001A49F - Russian area 10Y1001A1001A51S - Belarus area

ConnectingArea	10YLV-1001A00074	Y E S	The area where the energy is coming from	EIC code. 10YLV-1001A00074 -Latvia
MeasureUnit	MAW	Y E S	The unit of measurement used for the quantities expressed within the time series.	Always expressed in megawatts -MAW
Direction	A01 A02	Y E S	This identifies the direction of the energy flow.	A01 = UP, this signifies that the available power can be used by the Acquiring area to increase energy. A02 = DOWN, this signifies that the available power can be used by the Acquiring area to decrease energy.
Status	A08	Y E S	The status of the specific activation request.	A08 = In process - the quantities in the time series are requested for activation.
ResourceObject	(1...18 chars)	N O	Identification of the resource that is used to supply energy capabilities to the System Operator.	EIC code A Resource Object is only used if a specific Resource Object is to be activated.

<b>Period</b>				
TimeInterval	UTC DateTime interval	Y E S	This information provides the start and end date and time of the period being reported.	The start and end date and time must be expressed in UTC time zone and in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
Resolution	PTnM	Y E S	The resolution defining the number of periods that the time interval is divided.	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.
<b>Interval</b>				
Pos	(1...6 chars)	Y E S	This information provides the relative position of a period within an activation interval	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed.
Qty	(1...17 numeric chars)	Y E S	This information defines the quantity that is to be activated for the interval in question and that is expressed in the Measurement Unit Quantity.	

<b>Reason</b>				
ReasonCode	(1...3 chars)	Y E S	Reason codes for activation	A37 - Balancing Z01 - Countertrade

				Z02 - Countertrade Z03 - Countertrade Z04 - Countertrade Z05 - Countertrade A46 - System services
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## 6. RPS un AST ziņojumu apmaiņas forma regulēšanas produkta solījuma aktivizācijas komandai, aktivizācijas komandas labojuma un komandu apstiprināšanai, saziņai ar e-pasta starpniecību

### I. Forma regulēšanas jaudas aktivizācijas komandai

Formas piemērā attēlots pieprasījums elektroenerģijas tirgus dalībniekam aktivizēt regulējošo jaudu uz noslodzi 10 MW apmērā 2016.gada 2.novembrī no 13:00 līdz 14:00.

From: "AST\_dispeceri" <dispeceri@ast.lv>  
To: [elektroenerģijas tirgus dalībnieka e-pasta adrese]  
Date: 02.11.2016 13:00  
Subject: (02-11-2016 h 13 - 14 Regulēšana uz noslodzi, pakalpojuma pieprasījums ETD->AST

02-11-2016 h 13 - 14 Aktivēt regulējošo jaudu uz noslodzi ETD->AST

**10MW sākot no 13:00 līdz 13:60**, kur ETD - elektroenerģijas tirgus dalībnieka saīsināts nosaukums.

### II. Forma saņemtās jaudas aktivizācijas komandas apstiprināšanai:

From: [elektroenerģijas tirgus dalībnieka e-pasta adrese]  
To: dispeceri@ast.lv, ast.plan@ast.lv  
Date: 02.11.2016 13:00  
Subject: Re:(02-11-2016 h 13 - 14 Regulēšana uz noslodzi, pakalpojuma pieprasījums ETD->AST ACCEPTED

Apstiprinu saņemto dispečera komandu.

02-11-2016 h 13 - 14 Aktivēt regulējošo jaudu uz noslodzi ETD->AST

**10MW sākot no 13:00 līdz 13:60**

### III. Forma regulēšanas jaudas dezaktivizācijas komandai

From: "AST\_dispeceri" <dispeceri@ast.lv>  
To: [elektroenerģijas tirgus dalībnieka e-pasta adrese]  
Date: 02.11.2016 13:30  
Subject: (02-11-2016 h 13 – 13:30 Regulēšana uz noslodzi, pakalpojuma pieprasījums ETD->AST

02-11-2016 h 13 - 14 Aktivēt regulējošo jaudu uz noslodzi ETD->AST

**10MW sākot no 13:00 līdz 13:30,**

### IV. Forma saņemtās jaudas dezaktivizācijas komandas apstiprināšanai:

From: [elektroenerģijas tirgus dalībnieka e-pasta adrese]  
To: dispeceri@ast.lv, ast.plan@ast.lv  
Date: 02.11.2016 13:30  
Subject: Re:(02-11-2016 h 13 – 13:30 Regulēšana uz noslodzi, pakalpojuma pieprasījums ETD->AST ACCEPTED

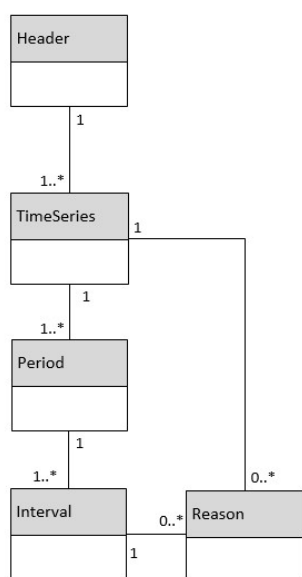
Apstiprinu saņemto dispečera komandu.



## 7. Formas saņemtās solījuma aktivizācijas komandas un aktivizācijas komandas labojuma apstiprināšanai, saziņai ar tīmekļa pakalpes starpniecību

Document	ERRP Activation Document;
Document format	.XML
Namespace	urn:entsoe.eu:wgedi:errp:cobaactivatondocument:5:0
Communication channel	web-service

### DOCUMENT STRUCTURE DIAGRAM



### ELEMENT DESCRIPTION

Activation response from BSP				
Tag	Value	Mandatory	Description	Conditions
<b>Header</b>				
DocumentIdentification	(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 and activation period must use the same identification.
DocumentVersion	(1..3 chars)	YES	Document version	Starts at 1 and increases sequentially.
DocumentType	A41	YES	Type of the document	A41 Activation response
ProcessType	A30	NO	The process type identifies the process to which the information flow is directed.	A30 -Tertiary reserve process

SenderIdentification	(1...16 chars)	Y E S	Identification of the party that is the owner of the document	EIC of the sender
SenderRole	A27	Y E S	Identification of the role that is played by the sender.	A27 - resource provider
ReceiverIdentification	10X1001A1001B54W	Y E S	Identification of the party who is receiving the document	10X1001A1001B54W -AST
ReceiverRole	A04	Y E S	Identification of the receiver role	A04 - System operator
CreationDateTime	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 in UTC time zone and as YYYY-MM-DDTHH:MM:SSZ.
ActivationTimeInterval	UTC DateTime interval	Y E S	This information provides the start and end date and time of the activation period	The start and end date and time must be expressed in UTC time zone and as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
OrderIdentification	(1...35 chars)	N o	The identification of the Activation Order that is being acknowledged by Activation response	Is mandatory for A41 = Activation Response. DocumentIdentification of Activation document from TSO
OrderIdentificationVersion	(1...3 chars)	N o	The version of the Activation Order that is being acknowledged by Activation response	Is mandatory for A41 = Activation Response. DocumentVersion of Activation document from TSO
ActivationTimeSeries				
AllocationIdentification	(1...35 chars)	Y E S	The identification of the allocation that was established with the Resource Provider to provide reserves.	mRID of Bid TimeSeries (Reserve Bid Document).
ResourceProvider	(1...16 chars)	Y E S	A unique identification of the Resource Provider responsible for reserve activation	BSP EIC code
BusinessType	Z54	Y E S	The nature of the time series for which the product is handled.	Z54 - Volume for mFRR standard product;
AcquiringArea	(1...16 chars)	Y E S	The area where the reserve is contracted for use (destined)	EIC code. For normal activation: 10Y1001A1001A94A - Synchronous area of Baltic states  For special activation: 10YLV-1001A00074 -Latvia 10Y1001A1001A39I -Estonia 10YLT-1001A0008Q - Lithuania

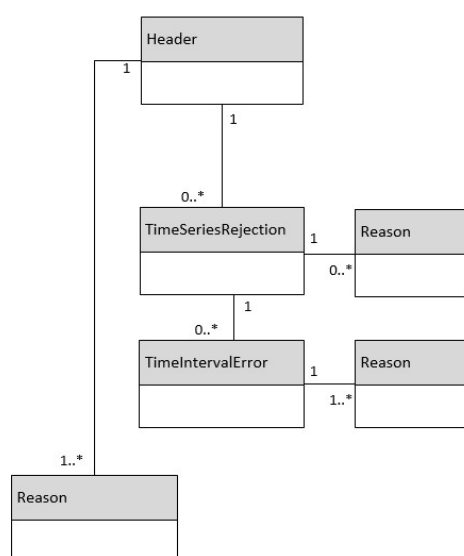
				10YFI-1-----U - Finland 10YSE-1-----K - Sweden 10YPL-AREA-----S -Poland 10Y1001A1001A49F -Russian area 10Y1001A1001A51S -Belarus area
ConnectingArea	10YLV-1001A00074	YES	The area where the energy is coming from	EIC code. 10YLV-1001A00074 -Latvia
MeasureUnit	MAW	YES	The unit of measurement used for the quantities expressed within the time series.	Always expressed in megawatts - MAW
Direction	A01 A02	YES	This identifies the direction of the energy flow.	A01 = UP, this signifies that the available power can be used by the Acquiring area to increase energy. A02 = DOWN, this signifies that the available power can be used by the Acquiring area to decrease energy.
Status	A07 A09	YES	The status of the specific activation request.	Activation Response: A07 = Activated - the quantities in the time series have been activated (accepted) A09 = Cancelled - the activation proposal quantities in the time series are rejected.
ResourceObject	(1...18 chars)	NO	Identification of the resource that is used to supply energy capabilities to the System Operator.	EIC code  A Resource Object is only used if a specific Resource Object is to be activated.
	<b>Period</b>			
	TimeInterval	YES	This information provides the start and end date and time of the period being reported.	The start and end date and time must be expressed in UTC time zone and in compliance with the following format: YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
	Resolution	YES	The resolution defining the number of periods that the time interval is divided.	PnYnMnDnHnMnS. 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.
	<b>Interval</b>			

Pos	(1..6 chars)	Y E S	This information provides the relative position of a period within an activation interval	The relative position must be expressed as a numeric integer value beginning with 1. All leading zeros must be suppressed.
Qty	(1..17 numeric chars)	Y E S	This information defines the quantity that is to be activated for the interval in question and that is expressed in the Measurement Unit Quantity.	
<b>Reason</b>				
Reason	(1..3 chars)	Y E S	Reason codes for activation	A37 - Balancing Z01 - Countertrade Z02 - Countertrade Z03 - Countertrade Z04 - Countertrade Z05 - Countertrade A46 - System services

## 8. Forma ziņojuma saņemšanas apstiprināšanas ziņojumam, saīņai ar tīmekļa pakalpes starpniecību

Document	IEC 62325-351 Acknowledgement
Document format	.XML
Namespace	urn:entsoe.eu:wgedi:acknowledgement:acknowledgementdocument:6:0
Communication channel	web-service

### Document structure diagram



### ELEMENT DESCRIPTION

Tag	Value	Mandatory	Description	Conditions
<b>Header</b>				
DocumentIdentification	(1..35 chars)	YES	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
DocumentDateAndTime	UTC DateTime	YES	Date and time of transmission of the acknowledgement.	The date and time that the document was prepared for transmission by the sender. The date and time must be expressed in CET time zone and in UTC as YYYY-MM-DDTHH:MM:SSZ
SenderIdentification	(1..16 chars)	YES	Identification of the party that is the owner of the document	EIC code of the sender
SenderRole	A27	YES	Identification of the role that is	A27 - resource provider

			played by the sender.	
ReceiverIdentification	10X1001A1001B54W	YES	Identification of the party who is receiving the document	EIC code of TSO: 10X1001A1001B54W -AST
ReceiverRole	A04	YES	Identification of the receiver role	A04 - System operator
ReceivingDocumentIdentification	(1...35 chars)	YES	Unique identification of the document that has been received.	This information identifies the document that has been received by the receiving party. The identification is extracted from the received document.
ReceivingDocumentVersion	(1...3 chars)	YES	The version of the document that has been received.	The document version must be provided for all documents being acknowledged that have a document version attribute.
ReceivingDocumentType	(1...3 chars)	YES	The document type is used to identify the type of document being acknowledged.	The document type is mandatory in contexts where there is potential ambiguity about the document being acknowledged.
<b>TimeSeriesRejection</b>		NO		
SendersTimeSeriesIdentification	(1..35 chars)	YES	The identification code provided in the document being acknowledged to identify a time series with error.	
ReasonCode	(1...3 chars)	NO	A code providing the acknowledgement status at Time Series Level.	Reason codes are described in the table below.
ReasonText	(1...150 chars)	NO	Textual description of a rejection.	Reason Title from table below should be used as ReasonText.
<b>TimeIntervalError</b>		NO		
QuantityTimeInterval	UTC DateTime	YES	The start and end date and time of the time period in error. This information is used to identify the time interval that has been identified as being in error.	This is a calculated value using the position in question, the resolution and the start of the time interval of the period. The date and time must be expressed in in CET time zone and UTC as YYYY-MM-DDTHH:MM:SSZ
ReasonCode	(1...3 chars)	YES	A code providing the acknowledgement status at Interval level.	Reason codes are described in the table below.
ReasonText	(1...150 chars)	YES	Textual description of a rejection.	Reason Title from table below should be used as ReasonText.
<b>Reason</b>		YES		
ReasonCode	(1...3 chars)	YES	A code providing the acknowledgement status.	Reason codes are described in the table below.
ReasonText	(1...150 chars)	YES	Textual description of a rejection.	Reason Title from table below should be used as ReasonText.

#### ACKNOWLEDGMENT XML MESSAGE DATA MAPPING

XML elements group	Data entity
Acknowledgment header elements	Documents
TimeSeriesRejection elements	Document validation errors. In this case field <i>Reference to Time Series ID</i> are mandatory.
TimeIntervalError elements	Document validation errors. In this case fields <i>Reference to Time Series ID</i> and <i>Reference to Interval ID</i> are mandatory.
Reason	Document validation errors

#### Apstiprinājuma ziņojuma kļūdu kodi

The following codes are used to indicate validation errors in the incoming messages.

Reason code	Reason Title	Meaning
<b>Header level</b>		
A01	Message Fully Accepted	Message is accepted.
A02	Message Fully Rejected	Message is not accepted.
A03	Message contains errors at the time series level	It is necessary to look at the time series level to determine the time series that contain errors.
A04	Schedule time interval incorrect	The schedule time interval is not within the contractual agreement or the period does not agree with the schedule time interval.
A51	Message identification or version conflict	Message version number conflict. The message identification is already in the receiving system or a higher version already exists.
A53	Receiving party incorrect	The receiving party or receiving role code is incorrect. The receiver party or role doesn't correspond to the current document type. Message rejected.
A78	Sender identification and/or role invalid	The sender party or sender role code is incorrect. The sender party or role doesn't correspond to the current document type. Message rejected.
A79	Process type invalid	The process type does not figure in the list of valid process types for this document.
A80	Invalid domain	The domain does not found in the list of valid domains for this document and process.
<b>Time Series level.</b> <i>These errors are shown in acknowledgment TimeSeriesRejection block.</i>		

A09	Time series not matching	Time series mismatches. In Cobra use when the particular bid's describing information (business type, Resource provider, Direction etc.) in the CMOL and AO doesn't match.
A22	In party/Out party invalid	In Party or Out Party EIC code on the data file is faulty. Also will be shown in which Time Series (by Time series ID) the faulty code was discovered.
A23	Area invalid	In Area or Out Area EIC code on the data file is faulty. Also will be shown in which Time Series (by Time series ID) the faulty code was discovered.
A55	Time series identification conflict	The identification of the time series is duplicated or incorrect. Time series and message will be rejected.
A57	Deadline limit exceeded/Gate not open	The deadline for receiving schedule messages has passed. Message rejected. Message is sent either too soon (before Gate Open time) or too late (after Gate Close time).
A62	Invalid business type	The business type does not belong to the valid set of business types for the process in question.
B09	Bid not accepted	The bid in question has NOT been accepted (bid is not divisible, etc.) This code will be used in following discrepancies as well: <ul style="list-style-type: none"> <li>Specified energy price does not correspond to minimum and maximum values defined for bid product in the product configuration</li> </ul>
A81	Matching period invalid	The period is not within the expected limits (for example, doesn't correspond to minimum and maximum activation duration). The one time series periods overlap. Message rejected.
<b>Interval level</b> <i>These errors are shown in acknowledgment TimeIntervalError block.</i>		
A41	Resolution inconsistency	The resolution is not coherent with the time interval, or resolution not valid – for example is zero for the first activation order version
A42	Quantity inconsistency	The quantity is not coherent. For example a time period with the same version number but different quantities or a not permitted number of digits after the decimal point, etc. Digits after the decimal dot are more than permitted. All data must be presented with accuracy one digit after the decimal dot. This code will be used in following discrepancies as well: <ul style="list-style-type: none"> <li>Specified tendered quantity (BidQty) does not correspond to minimum and maximum values defined for bid product in the product configuration</li> </ul>

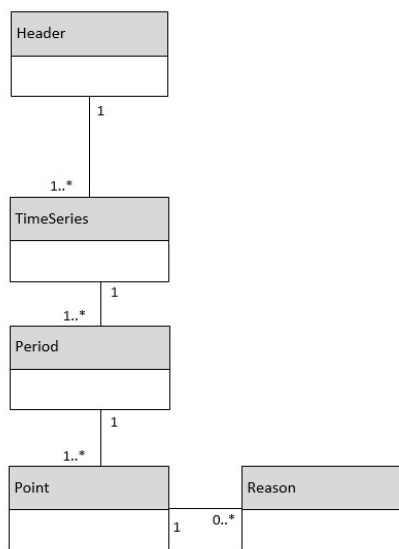


		<ul style="list-style-type: none"> <li>Specified minimum activation quantity exceeds minimum value defined for bid product in the product configuration</li> <li>Specified minimum step increment quantity does not correspond to minimum and maximum values defined for bid product in the product configuration</li> </ul>
A46	Quantities must not be signed Values	On the form there must be no signed values: consumption or production must not be negative values; for the fixed deliveries there is a separate column for each direction – negative numbers are not used.
A49	Position inconsistency	A position is missing or too many.
A71	Linked bid rejected due to associated bid unsuccessful	The bid in question has been rejected because an associated bid has been unsuccessful or is not activated yet.

## 9. 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.

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.

end	UTC DateTime	YES	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.
<b>Time series</b>				
mRID	(1...35 chars)	YES	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_00Z00EXAMPLE000A MP 12345678
BusinessType	A13	YES	The nature of the time series for which the product is handled.	A13 - Load profile
Product	8716867000030	YES	Identification of an energy product such as power, energy, reactive power, transport, capacity, etc.	8716867000030 - Active energy
objectAggregation	A02	YES	Identifies how the object is aggregated	A02 Metering point
area_Domain.mRID	10YLV-1001A00074	YES	The area of concern for the imbalance settlement responsible that the time series addresses	Latvia EIC code: 10YLV-1001A00074

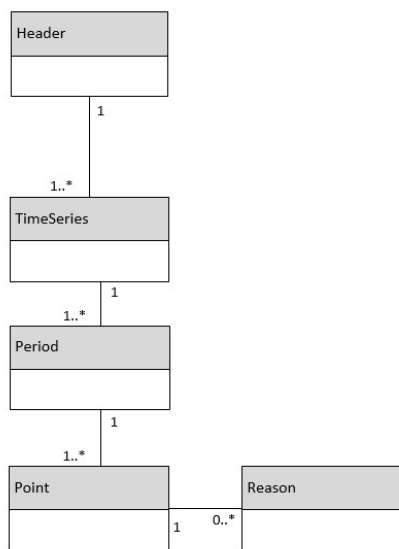
marketParticipant.mRID	(1..16 chars)	N O	The party of concern for the time series	In special cases when report data is concerning other market participant, EIC of that said participant should be included here. By default, sender EIC should be used.
measure_Unit.name	MWH	Y E S	The unit of measurement 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
<b>Period</b>				
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

Resolution	PT1H	Y E S	The resolution defining the number of periods that the time interval is divided.	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
<b>Point</b>				
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. Max three decimal positions.
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. Max three decimal positions.

## 10. RPS kontroluzskaites 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

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.



<b>Time series</b>				
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_XXXXXXXX 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	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.

<b>Period</b>				
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.

	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>
	<b>Point</b>				
	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.
	<b>Reason</b>				
	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.

## 12. Ziņojumu apmaiņas procesa shēma ziņojumu apmaiņai ar tīmekļa pakalpes starpniecību

