Version 1.2.3

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ENERGINET

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IMPLEMENTATION GUIDE - MFRR EAM

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1. Revision history

Version	Date	Changed by	Commen	ts
1.0.0	20.06.2022		First publ	lished version of the guide
		Søndergaard	1	ç
		Larsen (TSL)		
1.0.1	25.01.2023		Added:	
		Søndergaard		Added revision history chapter
		Larsen (TSL)		Added short paragraph on slower
				essources in chapter 4.1.1. Added min (5 MW) and max (50 MW)
				imits in the description of attribute quan-
				ity.quantity.
			Changed:	
			- N	Noved energy_Price.amount to after
				ninimum_Quantity.quantity in Re-
				erveBid_MarketDocument
				Changed maximum price from 5.000
				EUR/MW to 10.000 EUR/MW in the bid haracteristics table in chapter 4.1.1.
				Changed allowed minimum quantity for
				livisible bids from 0 MW to 5 MW (in
				ttribute minimum_Quantity.quantity)
				uantity_Measurement_Unit.name
				Changed go-live date from «12 th of April
			2	.023» to «April 2023».
			Corrected	4.
				Corrected spelling error in attribute
				neasurement Unit.name.
1.1.0	16.03.2023	Tage	Added:	_
		Søndergaard		Added section 4.2 which details the
		Larsen (TSL)		hanges to the activation report to the
1.2.0	04 00 2022		E Added:	3RPs.
1.2.0	04.09.2023	I age Søndergaard		Added support for mandatory geotags
		Larsen (TSL)		succe support for manuatory geolags
			Changed:	<u>. </u>
				Jpdated the timeline in chapter 4 to re-
			f	lect the changed nordic go-live date for
				NBM mFRR EAM.
				Small change to the definition of MTU in
1.2.1	11.00.2022	Taga		hapter 3.
1.2.1	11.09.2023	I age Søndergaard	Changed:	Added 400kV and 220kV substations to
		Larsen (TSL)		he description of the attribute registere-
		()		Resource.mRID in ReserveBid Market-
				Document.
1.2.2	16.10.2023		Added:	
		Søndergaard		Added new optional attribute Note in Re-
		Larsen (TSL)		erveBid_MarketDocument and Activa-
			tı	ion_MarketDocument.
			Changed:	
		l	Changeu.	

		 Changed the schema version for Re- serveBid_MarketDocument in chapter 5.1 from 7:4 to 7:4:1.
1.2.3	Tage Søndergaard Larsen (TSL)	Changed: - Changed the description of geotags to al- low an empty geotag list in the attribute registeredResource.mRID.

2. Scope

This document aims to clarify and describe the business processes for submitting bids and receiving activation orders for the mFRR Energy Activation Market for balance responsible parties (BRPs) operating in the Danish electricity market.

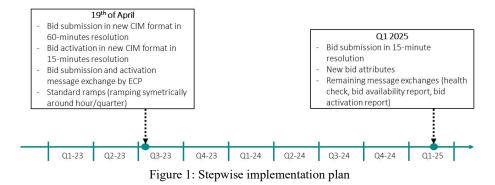
The processes in this guide will be valid from April 2023 and represents the first step towards the NBM mFRR Energy Activation Market – which will be fully implemented in October/November 2023.

3. Terms and definitions

Acronym	Term	Definition
BRP	Balance Responsible Party	A market participant or its chosen representa- tive responsible for its imbalances
BSP	Balancing Services Pro- vider	A market participant with reserve-providing units or reserve-providing groups able to pro- vide balancing services to TSOs
CIM	IEC Common Infor- mation Model	A standard for describing information about an electrical network. The European style market profile is a profile derivation from the CIM to harmonize the energy market data exchanges in Europe.
FAT	Full Activation Time	The period between the activation request by the connecting TSO and the corresponding full delivery of the concerned product.
ECP	Energy Communication Platform	Reference implementation of MADES stand- ard.
MOL	Merit Order List	A list of balancing energy bids sorted in order of their bid prices, used for the activation of those bids
MTU	Market Time Unit	The period for which the market price is estab- lished. MTU is always 60 minutes in this docu- ment.
TSO	Transmission System Operator	A party that is responsible for a stable power system operation (including the organisation of physical balance) through a transmission grid in a geographical area. In the Nordic synchronous area, there are four TSOs: Svenska kraftnät, Fingrid, Energinet.dk and Statnett.

4. Business context

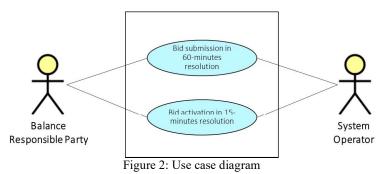
When NBM mFRR EAM is fully implemented in Q1 2025 bid submission and bid activation will be in 15 minutes resolution. At the same time complex bid attributes will be introduced, all messages will be in ENTSO-E CIM format and ECP will be used for message delivery. This is a major change to the mFRR Energy Activation Market and therefore the change will be introduced in 2 steps as shown below.



This guide describes the changes introduced in April 2023. The full set of changes introduced when NBM mFRR EAM goes live in Q1 2025 is described in the common Nordic Implementation guide for mFRR EAM which can be found at the NBM homepage https://nordicbalancingmodel.net/.

4.1 Business processes

The two relevant business processes described in this guide is *Bid submission in 60minutes resolution* and *Bid activation in 15-minutes resolution* as shown in the use case diagram below.



Sequence diagram for the message flow is shown in figure 2. The System Operator receives the bids in 60 minutes resolution from the BRPs. The bids are then split into 15 minutes resolution before they are added to the Merit Order List. An activation is for a 15-minute period and must only continue into the next quarter if the BRP receives a new activation message. The balancing timeframe is still 60 minutes so the BRP will in most cases be activated for all quarters in a given hour – but situations will occur, where activations will be for only one, two or three quarters in the hour. The bid submission and bid activation processes will be further detailed in the next two sections.

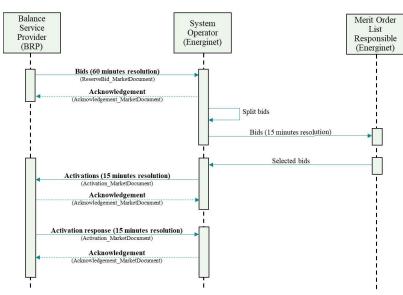


Figure 3: Sequence diagram

4.1.1 Bid submission in 60-minutes resolution

Gate closure for bid submission is 45 minutes before the hour. EUR is the only currency accepted – all other bid characteristics will remain unchanged. They are shown below for easy reference:

Currency	EUR
Maximum price	10.000 EUR/MWh
Price granularity	0.01 EUR
Minimum bid size	5 MW
Maximum bid size	50 MW
Bid granularity	1 MW
Activation granularity	1 MW
Bid time resolution	60 minutes

Bid submission will use the ENTSO-E CIM *ReserveBid_MarketDocument* and will be in 60-minutes resolution.

Each bid must be identified by a globally unique identifier (*mRID*). Two bids are not allowed to share the same bid ID. Bids can be either divisible or indivisible (governed by the *Divisible* attribute). An indivisible bid must be fully activated while a divisible bid can be activated partly (lower bound is set by the attribute *minimum_Quantity.quantity*).

The FAT¹ is described by the attribute *activation_ConstraintDuration.duration* and is expected to be symmetrical around the hour shift². *Start gradient, stop gradient* and *dead time* will no longer be used and will not be supported in the new CIM format. A FAT longer than 15 minutes indicates a bid - delivered by a so called slower ressource - that does not fulfill the standard requirements for mFRR EAM bids.

So called *geotags* will be mandatory from 1st of December 2023. A geotag refers to a 400kV, 220kV, 150kV (DK1) or 132kV (DK2) substation and is used by the BRP to indicate where the bid feeds into the grid. If a bid feeds into a substation on a lower

¹ Full Activation Time. Includes time for both preparation and ramping.

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² Quarter shift in the case of a 15-minute activation.

voltage level (50kV/60kV) the coresponding 150kV/132kV substation must be used as geotag.

Geotags are used by the TSO when handling local congestions in the grid. A bid must have at least one geotag but can have as many geotags as needed – to support portfolio-based bidding. Adding geotags to a bid is done by providing a comma separated list of substations in the attribute *registeredResource.mRID*. Providing an empty list of geotags will be interpreted as "all geotags".

A complete list of valid substations will be available as download together with this guide.

Description of all the attributes used in the bid submission message can be found in section 5.1.

4.1.1.1 Update and cancellation of bids

To update or cancel bids previously sent a new ReserveBid_MarketDocument is sent with the following information:

- A new unique document mRID (document identification)
- Fixed revision number (always equal to '1')
- A newer created date-time than the previously sent document

Updates are done by sending the affected time series with new data. Cancellation of time series is done by sending value 0 for quantity. To ensure update of the correct time series the bid identification of the original time series must be used. When updating or cancelling bids only the updated bids should be sent in a new bid

message. There is no need to resend unchanged bids.

It is not allowed to include bids for MTUs which are closed for bidding in a bid message.

4.1.1.2 Bid acknowledgement

When a BRP submits a Reserve bid document to the TSO the TSO will return an Acknowledgement document.

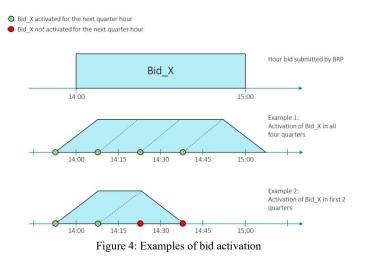
If all bids in the bid document are valid a positive Acknowledgement will be returned. If one or more of the bids in the bid document are invalid, a negative Acknowledgment will be returned and all bids in the document will be rejected. The negative Acknowledgement will contain error codes and text that indicate the reason for why the bids are not valid.

4.1.2 Bid activation in 15-minutes resolution

Each 60-minute bid submitted by the BRP is split into four 15 minutes bids by the System Operator.

 $7\frac{1}{2}$ minutes before the quarter hour the BRP receives an activation order with activated bids for the next quarter. Each activation contains a reference to the original 60-minute bid. The BRP is then expected to ramp to full activation in less than 15 minutes (including preparation time) and with a symmetrical ramp around the quarter hour shift.

Figure 4 shows two different examples of possible activations of a 60-minute bid.



In the first example Bid_X is activated for all 4 quarters. The BRP receives an activation message with a reference to Bid_X in all four quarters. In the second example Bid_X is only activated for the first two quarters of the hour.

4.1.2.1 Activation message

The TSO orders activation of bids by sending an Activation_MarketDocument to the BRP. An activation document may contain activation orders for multiple bids. The BRP sends an Acknowledgement_MarketDocument to the TSO to confirm that the activation order document has been received.

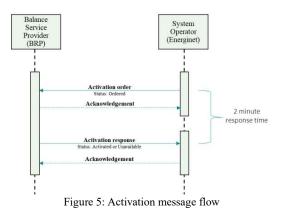
Description of all the attributes used in the activation message can be found in section 5.2.

4.1.2.2 Activation response message

The BRP then sends an activation response message to the TSO to confirm that each of the activation orders will be fulfilled - or cannot be fulfilled if the resource has become unavailable for activation.

The activation response message is sent as an Activation_MarketDocument where all the activation order time series from the activation order document are included. For each activation order time series that will be fulfilled the *Status* attribute must be set to "Activated". If an activation order time series cannot be fulfilled the *Status* must be "Unavailable" and a reason should be provided in the *Reason*-element.

The BRP is required to return the activation response message to the TSO within 2 minutes, measured from the time the activation order document is sent from the TSO until the time the response message is received by the TSO – as shown in figure 5.



The TSO sends an Acknowledgement_MarketDocument to the BRP to confirm that the activation response message has been received.

If the TSO receives an activation response message with status "Unavailable" within the response time limit and the reason for unavailability is acceptable, the BRP is not accountable for the activation.

The BRP may within the time limit send an updated activation response message to change status of one or more time series from "Activated" to "Unavailable", but not vice versa.

If the TSO receives an activation response later than the required 2 minutes, the response will be rejected by a negative Acknowledgement. If late responses happen regularly, the BRP must take measures to improve the timeliness of activation responses to comply with the response time requirement.

The BRP is accountable for the activation unless the BRP has responded with status "Unavailable" within the response time limit.

Description of all the attributes used in the activation response message can be found in section 5.3.

4.2 Activation report

In the current mFRR energy activation market, Energinet sends a message containing all activations for the previous day to the BRP, for settlement purposes³. The BRP will continue to receive that message also after the April release. The message will be unchanged – apart from the following:

- 1. The activation prices will change from DKR to EURO. DKR will no longer be supported.
- 2. EIC codes will be used for SenderIdentification and ReceiverIdentification. GLN codes will no longer be supported.

The message will continue to be in hourly resolution, so the 15 minute activations will be summarized per hour in the message.

BRService will continue to be the communication mechanism (ECP will not be used), and the BRPs receiving the message in PDF format will continue to do so after the April release.

4.3 Energy Communication Platform

Apart from the activation report described in section 4.2 all messages described in this implementation guide will use the Energy Communication Platform (ECP).

Information about ECP – including implementation guides – can be found here <u>https://energinet.dk/El/Elmarkedet/Saadan-kommer-du-i-gang-med-ECP</u>.

5. Document attributes and dependencies

This chapter provides the attributes and dependencies for the documents discussed in this guide.

The following classification is used for the attributes:

- M Must be used
- D-Must be used if a defined condition is met
- O Optional, can be used

5.1 Bid document – Attributes and dependencies

NOTICE: In the latest schema version (7:4:1) the *Note* attribute was added and the attribute registeredResource.mRID was changed to allow 2000 characters instead of the original 60 characters. If these changes are not needed by the BRP, then the old version (7:4) can still be used.

ReserveBid_MarketDocument		urn:ediel.org:7:reservebiddocument:7:4:1
		Unique identification of the document.
		Proper UUID is required.
revisionNumber	M	Constant value of 1
Туре	M	A37 - Reserve bid document
process.processType	M	A47 – Manual frequency restoration reserve
sender_MarketParticipant.mRID	M	EIC code of the BRP sending the document.
sender_MarketParticipant.market-	M	A46 - Balancing Service Provider (BSP)
Role.type		(The BRP act as BSP and must use the BSP role)
receiver_MarketParticipant.mRID	M	10X1001A1001A248
		(EIC code for Energinet)
receiver_MarketParticipant.market-	M	A34 – Reserve Allocator
Role.type		
createdDateTime	M	Date and time of document creation (in ISO 8601 UTC
		format)
		YYYY-MM-DDTHH:MM:SSZ
reserveBid_Period.timeInterval	M	F
		UTC format)
		Start: YYYY-MM-DDTHH:MMZ
		End: YYYY-MM-DDTHH:MMZ
domain.mRID	M	EIC identification of the Control Area
		10Y1001A1001A796 (Denmark)
subject_MarketParticipant.mRID	Μ	EIC code of the BRP sending the document.
subject_MarketParticipant.market-	Μ	A46 - Balancing Service Provider (BSP)
Role.type		(The BRP act as BSP and must use the BSP role)
BidTimeSeries		
mRID	M	Unique identification of the bid.
		Proper UUID is required.
auction.mRID	0	Constant value of
		MFRR_ENERGY_ACTIVATION_MARKET
businessType	M	B74–Offer
acquiring_Domain.mRID	М	EIC identification of market area.

		10Y1001A1001A91G (Nordic Market Area)
connecting_Domain.mRID	Μ	The EIC identification of the bidding zone where the
		resource is located.
		10YDK-1W (DK1)
		10YDK-2M (DK2)
quantity_Measurement_Unit.name	Μ	MAW – megawatt
currency_Unit.name	Μ	EUR – euro
Divisible	Μ	A01 = Yes - quantity may be reduced to the minimum
		bid size by increments of 1 MW. When bid is divisible
		minimum_Quantity.quantity must be set to indicate the
		minimum allowed bid size.
		A02 = No - no reduction possible on the quantity, the
		bid is indivisible.
Status	Μ	A06 – Available
registeredResource.mRID	Μ	List of geotags indicating where the bid feeds into the
		grid.
		Comma separated list of 400kV, 220kV, 150kV (DK1)
		or 132kV (DK2) substations. If the bid feeds into dif-
		ferent points in the grid (as with portfolio-based bids),
		all relevant substations must be provided.
		All substations in the list must be in the same bidding
		zone as the bid itself.
		An empty geotag list (an empty string) is allowed and
		will be interpreted as "all geotags".
flowDirection.direction	М	A01 – Up
		A02 – Down
energyPrice_Measure_Unit.name	Μ	MWH - Megawatt hours.
activation_ConstraintDuration.duration	Μ	Activation time - time for full activation of the physi-
		cal resource including preparation time and ramping
		time.
		E.g.
		PT15M – if full activation time is 15 minutes.
		PT10M -if full activation time is 10 minutes.
standard_MarketProduct.mar-	Μ	A05 – Standard mFRR product eligible for scheduled
ketProductType		activation only.
mktPSRType.psrType	M	Production type
		B16 - Solar
		B18 – Wind Offshore
		B19 – Wind Onshore
		B20 - Other
Note	0	Custom text attribute for BRP usage only. The attribute
		will not be evaluated or used by the TSO.
		The value received will be copied unchanged to the
		Note attribute in the Activation_MarketDocument if
		the bid is activated.
Series_Period – exactly one instance per E	BidTim	neSeries

timeInterval	M	Period covered (in ISO 8601 UTC format). Must be exactly 60 minutes. There must be one, and only one, period for each Bid_TimeSeries.
		Start: YYYY-MM-DDTHH:MMZ End: YYYY-MM-DDTHH:MMZ
Resolution	М	The time resolution – must be PT60M
Point – exactly one instance per Series_Per	iod	
Position	Μ	Position is always 1
quantity.quantity	M	Offered quantity – must be between 5 and 50 MW (or
		0 if bid is canceled)
minimum_Quantity.quantity	D	The minimum quantity of energy that can be activated at a given time position.
		It must be used for divisible bids and cannot be less
		than 5 MW.
		Not allowed for indivisible bids.
energy_Price.amount	Μ	The price of the product offered

5.2 Activation document – Attributes and dependencies

Document used by the TSO to send activation orders to the BRPs.

NOTICE: The Activation Response message is also using the Activation_MarketDocument. See section 5.3 for details on the Activation Response message.

Activation_MarketDocument		ec62325-451-7-activationdocument – version 6.2
mRID	M	Unique identification of the document.
		Proper UUID is required.
revisionNumber	Μ	Constant value of 1
Туре	Μ	A39 – SATCR activation (Scheduled activation)
process.processType	Μ	A47 – Manual frequency restoration reserve
sender_MarketParticipant.mRID	Μ	10X1001A1001A248
		(EIC code for Energinet)
sender_MarketParticipant.market-	Μ	A04 – System Operator
Role.type		
receiver_MarketParticipant.mRID	Μ	EIC code of the BRP receiving the document.
receiver_MarketParticipant.market-	Μ	A46 - Balancing Service Provider (BSP)
Role.type		(The BRP act as BSP and must use the BSP role)
createdDateTime	Μ	Date and time of document creation (in ISO 8601 UTC
		format)
		YYYY-MM-DDTHH:MM:SSZ
activation_Time_Period.timeInterval	Μ	The period covered by the document (in ISO 8601
		UTC format)
		Start: YYYY-MM-DDTHH:MMZ
		End: YYYY-MM-DDTHH:MMZ
		Period covered must be 15 minutes.
domain.mRID	Μ	EIC identification of the Control Area
		10Y1001A1001A796 (Denmark)
subject_MarketParticipant.mRID	M	EIC code of the BRP receiving the document.
subject_MarketParticipant.market-	Μ	A46 - Balancing Service Provider (BSP)
Role.type		(The BRP act as BSP and must use the BSP role)
order_MarketDocument.mRID	Μ	Unique identification (proper UUID) of the activation
		order. The same order id is used in the request and the
		response.
order_MarketDocument.revisonNumber	Μ	The version of the activation order. Incremented with
		one for each transmission of the document from the
		System Operator. The same version is used in the re-
		quest and the response.
TimeSeries – one or more instances		
mRID	Μ	Reference to the bid to be activated.
		Proper UUID.
resourceProvider_MarketPartici-	Μ	EIC code of the BRP receiving the document.
pant.mRID		
businessType	Μ	A97 – Manual frequency restoration reserve.
acquiring_Domain.mRID	Μ	EIC identification of market area.
	1	10Y1001A1001A91G (Nordic Market Area)

M	The EIC identification of the bidding zone where the
	resource is located.
	10YDK-1W (DK1)
	10YDK-2M (DK2)
Μ	MAW – megawatt
Μ	A01 – Up
	A02 – Down
Μ	A10 – Ordered
Μ	Comma separated list of substations (see description of
	attribute in chapter 5.1)
0	Custom text attribute for BRP usage only.
	Contains a copy of the text received in the Note attrib-
	ute in the ReserveBid_MarketDocument. The attribute
	will only be present if the Note attribute in the Re-
	serveBid_MarketDocument where present and con-
	tained a value different than the empty string.
imeSe	pries
M	The start and end date and time of the time interval of
	the period of activation. Interval must be 15 minutes.
	Start: YYYY-MM-DDTHH:MMZ
	End: YYYY-MM-DDTHH:MMZ
Μ	The time resolution is always the difference between
	the Time Interval End and the Time Interval Start.
	PT15M – 15 minutes.
iod	
M	Position is always 1
Μ	Activated quantity
·	·
0	B22 – System regulation
	B49 – Balancing
0	Reason text
	M M M M O O

5.3 Activation Response document – Attributes and dependencies

Document used by the BRP to accept or decline activations.

NOTICE: The Activation message is also using the Activation_MarketDocument. See section 5.2 for details on the Activation message.

Activation_MarketDocument		ec62325-451-7-activationdocument - version 6.2
mRID	Μ	Unique identification of the document.
		Proper UUID is required.
revisionNumber	Μ	Constant value of 1
Туре	Μ	A41 – Activation response
process.processType	Μ	A47 – Manual frequency restoration reserve
sender_MarketParticipant.mRID	Μ	EIC code of the BRP sending the document.
sender_MarketParticipant.marke-	Μ	A46 - Balancing Service Provider (BSP)
tRole.type		(The BRP act as BSP and must use the BSP role)
receiver_MarketParticipant.mRID	Μ	10X1001A1001A248
		(EIC code for Energinet)
receiver_MarketParticipant.marke-	Μ	A04 – System Operator
tRole.type		
createdDateTime	Μ	Date and time of document creation (in ISO 8601 UTC
		format)
		YYYY-MM-DDTHH:MM:SSZ
activation_Time_Period.timeInterval	Μ	The period covered by the document (in ISO 8601
		UTC format)
		Start: YYYY-MM-DDTHH:MMZ
		End: YYYY-MM-DDTHH:MMZ
		Period covered must be 15 minutes.
domain.mRID	Μ	EIC identification of the Control Area
		10Y1001A1001A796 (Denmark)
subject_MarketParticipant.mRID	Μ	EIC code of the BRP sending the document.
subject_MarketParticipant.marke-	M	A46 - Balancing Service Provider (BSP)
tRole.type		(The BRP act as BSP and must use the BSP role)
order_MarketDocument.mRID	M	Unique identification (proper UUID) of the activation
		order. The same order id is used in the request and the
		response.
order_MarketDocument.revisonNumber	M	The version of the activation order. Incremented with
		one for each transmission of the document from the
		System Operator. The same version is used in the re-
		quest and the response.
TimeSeries – one or more instances		
mRID	Μ	Reference to the bid to be activated.
		Proper UUID.
resourceProvider_MarketPartici-	M	EIC code of the BRP receiving the document.
pant.mRID		
businessType	M	A97 – Manual frequency restoration reserve.
acquiring_Domain.mRID	Μ	EIC identification of market area.
		10Y1001A1001A91G (Nordic Market Area)

connecting_Domain.mRID	M	The EIC identification of the bidding zone where the
		resource is located.
		10YDK-1W (DK1)
		10YDK-2M (DK2)
measurement_Unit.name	M	MAW – megawatt
flowDirection.direction	M	A01 – Up
		A02 – Down
marketObjectStatus.status	M	A07 – Activated (confirmation that the quantity in the
		time series will be activated)
		A11 – Unavailable (the quantity in the time series will
		<u>not</u> be activated)
registeredResource.mRID	M	Comma separated list of substations (see description of
		attribute in chapter 5.1).
Series_Period - exactly one instance	per Time	Series
timeInterval	M	The start and end date and time of the time interval of
		the period of activation. Interval must be 15 minutes.
		Start: YYYY-MM-DDTHH:MMZ
		End: YYYY-MM-DDTHH:MMZ
Resolution	M	The time resolution is always the difference between
		the Time Interval End and the Time Interval Start.
		PT15M – 15 minutes.
Point – exactly one instance per Serie	es_Period	l
Position	Μ	Position is always 1
quantity.quantity	Μ	Activated quantity
Reason		
Code	D	To be used to provide a reason when marketObjectSta-
		tus.status is A11 – Unavailable.
		B59 – Unavailability of reserve providing unit
		999 – Errors not specifically identified
Text	D	For activation response with status Unavailable a rea-
		son for the unavailability should be provided in free
		text format.

5.4 Acknowledgement document – Attributes and dependencies

Acknowlegdement_MarketDocument		iec62325-451-1-acknowledgement.xsd –version 8.1
mRID	M	Unique identification of the document.
createdDateTime	М	Date and time of document creation (in ISO 8601 UTC format) YYYY-MM-DDTHH:MM:SSZ
sender_MarketParticipant.mRID	М	EIC identification of the party sending the document.
sender_MarketParticipant.marke- tRole.type	М	<i>One of:</i> A04 – System Operator A46 – Balancing Service Provider (BSP)
receiver_MarketParticipant.mRID	M	EIC identification of the party receiving the document.
receiver_MarketParticipant.marke- tRole.type	М	<i>One of:</i> A04 – System Operator A46 – Balancing Service Provider (BSP)
received_MarketDocument.mRID	M	The unique identification of the received document.
received_MarketDocument.revisionNum- ber	М	The revision of the received document.
received_MarketDocument.type	М	The type of the received document.
received_MarketDocument.process.pro- cessType	М	The processType of the received document.
received_MarketDocument.createdDate- Time	М	The date and time of the creation of the received document.
Reason – one or more instances		
code	М	 A01 – Message fully accepted A02 – Message fully rejected More specific error codes may be used.
text	0	May be populated to provide additional explanation in free text format.