edi@energy.
Datenformate Strom & Gas

Anwendungstabelle

# ActivationDocument

für den Redispatch 2.0

**Konsolidierte Lesefassung mit Fehlerkorrekturen**
**Stand: 03.06.2021**

| | |
|---|---|
| Version: | 1.0 |
| Ursprüngliches Publikationsdatum: | 01.04.2021 |
| Autor: | BDEW |

| Häufigkeit | Element/ Attribut | SD Prozessschritt von an | Abruf im Aufforderungsfall mit Delta-/Sollwertanweisung | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 | 5 | 6 |
| | | von | NB | DP | EIV | NB | DP | LF |
| | | an | DP | EIV | DP -> NB | DP | LF | BKV |
| optional | *DtdBDEWNachrichtenVersion* | | 1.0 | 1.0 | | 1.0 | 1.0 | 1.0 |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **DocumentIdentification** | | | | | | | |
| required | *v* | | x | x | | x | x | x |
| 1 .. 1 | **DocumentVersion** | | | | | | | |
| required | *v* | | x | x | | x | x | x |
| 1 .. 1 | **DocumentType** | | | | | | | |
| required | *v* | | A96 | A96 | | A96 | A96 | A96 |
| 1 .. 1 | **ProcessType** | | | | | | | |
| required | *v* | | A41 | A41 | | A41 | A41 | A41 |
| 1 .. 1 | **SenderIdentification** | | | | | | | |
| required | *v* | | MP-ID | MP-ID | | MP-ID | MP-ID | MP-ID |
| required | *codingScheme* | | A10\|NDE | A10\|NDE | | A10\|NDE | A10\|NDE | A10\|NDE |
| 1 .. 1 | **SenderRole** | | | | | | | |
| required | *v* | | A18 | A39 | | A18 | A39 | Z01 |
| 1 .. 1 | **ReceiverIdentification** | | | | | | | |
| required | *v* | | MP-ID | MP-ID | | MP-ID | MP-ID | MP-ID |
| required | *codingScheme* | | A10\|NDE | A10\|NDE | | A10\|NDE | A10\|NDE | A10\|NDE |
| 1 .. 1 | **ReceiverRole** | | | | | | | |
| required | *v* | | A39 | A27 | | A39 | Z01 | A08 |
| 1 .. 1 | **CreationDateTime** | | | | | | | |
| required | *v* | | x | x | | x | x | x |
| 1 .. 1 | **ActivationTimeInterval** | | | | | | | |
| required | *v* | | x | x | | x | x | x |
| 0 .. 1 | **OrderIdentification** | | | | | | | |
| required | *v* | | | | | | | |
| 0 .. 1 | **OrderIdentificationVersion** | | | | | | | |
| required | *v* | | | | | | | |
| 1 .. 2 | **ActivationTimeSeries** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **AllocationIdentification** | | | | | | | |
| required | *v* | | x | x | | x | x | x |
| 1 .. 1 | **ResourceProvider** | | | | | | | |
| required | *v* | | MP-ID EIV | MP-ID EIV | | MP-ID EIV | MP-ID EIV | MP-ID EIV |
| required | *codingScheme* | | A10\|NDE | A10\|NDE | | A10\|NDE | A10\|NDE | A10\|NDE |
| 1 .. 1 | **BusinessType** | | | | | | | |
| required | *v* | | A46\|A85 | A46\|A85 | | A46\|A85 | A46\|A85 | A46\|A85 |
| 1 .. 1 | **AcquiringArea** | | | | | | | |
| required | *v* | | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 |
| required | *codingScheme* | | A01 | A01 | | A01 | A01 | A01 |
| 1 .. 1 | **ConnectingArea** | | | | | | | |

**edi@energy.**
Datenformate Strom & Gas

| Häufigkeit | Element/ Attribut | | Abruf im Aufforderungsfall mit Delta-/Sollwertanweisung | | | | | |
|---|---|---|---|---|---|---|---|---|
| **ActivationDocument** | | SD Prozessschritt | 1 | 2 | 3 | 4 | 5 | 6 |
| | | von | NB | DP | EIV | NB | DP | LF |
| | | an | DP | EIV | DP -> NB | DP | LF | BKV |
| required | v | | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 |
| required | codingScheme | | A01 | A01 | | A01 | A01 | A01 |
| 1 .. 1 | **MeasureUnit** | | | | | | | |
| required | v | | MAW\|P1 [2] | MAW\|P1 [2] | | MAW\|P1 [2] | MAW\|P1 [2] | MAW\|P1 [2] |
| 1 .. 1 | **Direction** | | | | | | | |
| required | v | | A01\|A02 | A01\|A02 | | A01\|A02 | A01\|A02 | A01\|A02 |
| 1 .. 1 | **Status** | | | | | | | |
| required | v | | A10 | A10 | | A07 | A07 | A07 |
| 1 .. 1 | **ResourceObject** | | | | | | | |
| required | v | | SR-ID | SR-ID | | SR-ID | SR-ID | SR-ID |
| required | codingScheme | | NDE | NDE | | NDE | NDE | NDE |
| 0 .. 1 | **SendersDocumentIdentification** | | | | | | | |
| | v | | x | x | | | | |
| 0 .. 1 | **SendersDocumentVersion** | | | | | | | |
| required | v | | x | x | | | | |
| 0 .. 1 | **SendersDocumentDateTime** | | | | | | | |
| required | v | | | | | | | |
| 0 .. 1 | **SendersTimeSeriesIdentification** | | | | | | | |
| required | v | | | | | | | |
| 0 .. 1 | **OriginalSenderIdentification** | | | | | | | |
| required | v | | | MP-ID NB | | MP-ID NB | MP-ID NB | MP-ID NB |
| required | codingScheme | | | A10\|NDE | | A10\|NDE | A10\|NDE | A10\|NDE |
| 0 .. 1 | **OriginalDocumentIdentification** | | | | | | | |
| required | v | | | x | | x | x | x |
| 0 .. 1 | **OriginalDocumentVersion** | | | | | | | |
| required | v | | | x | | x | x | x |
| 0 .. 1 | **OriginalDocumentDateTime** | | | | | | | |
| required | v | | | x | | x | x | x |
| 0 .. 1 | **OriginalAllocationIdentification** | | | | | | | |
| required | v | | | x | | x | x | x |
| 1 .. 1 | **Period** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **TimeInterval** | | | | | | | |
| required | v | | x | x | | x | x | x |
| 1 .. 1 | **Resolution** | | | | | | | |
| required | v | | PT15M | PT15M | | PT15M | PT15M | PT15M |
| 92 .. 100 | **Interval** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |

| Häufigkeit | Element/<br>Attribut | SD<br>Prozessschritt<br>von<br>an | Abruf im Aufforderungsfall mit Delta-/Sollwertanweisung | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 | 5 | 6 |
| | | | NB | DP | EIV | NB | DP | LF |
| | | | DP | EIV | DP -> NB | DP | LF | BKV |
| **1 .. 1** | **Pos** | | | | | | | |
| required | | v | x | x | | x | x | x |
| **1 .. 1** | **Qty** | | | | | | | |
| required | | v | x | x | | x | x | x |
| **0 .. 1** | **Reason** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| **1 .. 1** | **ReasonCode** | | | | | | | |
| required | | v | Z05\|Z06\|Z09\|Z10 | Z05\|Z06\|Z09\|Z10 | | Z05\|Z06\|Z09\|Z10 | Z05\|Z06\|Z09\|Z10 | Z05\|Z06\|Z09\|Z10 |
| **0 .. 1** | **ReasonText** | | | | | | | |
| required | | v | | | | | | |
| **0 .. unbounded** | **Reason** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| **1 .. 1** | **ReasonCode** | | | | | | | |
| required | | v | | | | | | |
| **0 .. 1** | **ReasonText** | | | | | | | |
| required | | v | | | | | | |

**ActivationDocument**

edi@energy.
Datenformate Strom & Gas

| ActivationDocument | SD | | Abruf im Duldungsfall mit Sollwertanweisung | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Prozessschritt | 1 | 2 | 3 | 4 | 5 | 6 | |
| Häufigkeit | Element/Attribut von | NB | DP | EIV | EIV | DP | LF | |
| | an | DP | EIV | DP -> NB | BTR | LF | BKV | |
| optional | *DtdBDEWNachrichtenVersion* | 1.0 | 1.0 | | 1.0 | 1.0 | 1.0 | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **DocumentIdentification** | | | | | | | |
| required | *v* | x | x | | x | x | x | |
| 1 .. 1 | **DocumentVersion** | | | | | | | |
| required | *v* | x | x | | x | x | x | |
| 1 .. 1 | **DocumentType** | | | | | | | |
| required | *v* | A96 | A96 | | A96 | A96 | A96 | |
| 1 .. 1 | **ProcessType** | | | | | | | |
| required | *v* | A41 | A41 | | A41 | A41 | A41 | |
| 1 .. 1 | **SenderIdentification** | | | | | | | |
| required | *v* | MP-ID | MP-ID | | MP-ID | MP-ID | MP-ID | |
| required | *codingScheme* | A10\|NDE | A10\|NDE | | A10\|NDE | A10\|NDE | A10\|NDE | |
| 1 .. 1 | **SenderRole** | | | | | | | |
| required | *v* | A18 | A39 | | A27 | A39 | Z01 | |
| 1 .. 1 | **ReceiverIdentification** | | | | | | | |
| required | *v* | MP-ID | MP-ID | | MP-ID | MP-ID | MP-ID | |
| required | *codingScheme* | A10\|NDE | A10\|NDE | | A10\|NDE | A10\|NDE | A10\|NDE | |
| 1 .. 1 | **ReceiverRole** | | | | | | | |
| required | *v* | A39 | A27 | | A21 | Z01 | A08 | |
| 1 .. 1 | **CreationDateTime** | | | | | | | |
| required | *v* | x | x | | x | x | x | |
| 1 .. 1 | **ActivationTimeInterval** | | | | | | | |
| required | *v* | x | x | | x | x | x | |
| 0 .. 1 | **OrderIdentification** | | | | | | | |
| required | *v* | | | | | | | |
| 0 .. 1 | **OrderIdentificationVersion** | | | | | | | |
| required | *v* | | | | | | | |
| 1 .. 2 | **ActivationTimeSeries** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **AllocationIdentification** | | | | | | | |
| required | *v* | x | x | | x | x | x | |
| 1 .. 1 | **ResourceProvider** | | | | | | | |
| required | *v* | MP-ID EIV | MP-ID EIV | | MP-ID EIV | MP-ID EIV | MP-ID EIV | |
| required | *codingScheme* | A10\|NDE | A10\|NDE | | A10\|NDE | A10\|NDE | A10\|NDE | |
| 1 .. 1 | **BusinessType** | | | | | | | |
| required | *v* | A85 | A85 | | A85 | A85 | A85 | |
| 1 .. 1 | **AcquiringArea** | | | | | | | |
| required | *v* | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | |
| required | *codingScheme* | A01 | A01 | | A01 | A01 | A01 | |
| 1 .. 1 | **ConnectingArea** | | | | | | | |

| Häufigkeit | Element/<br>Attribut | SD<br>Prozessschritt | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|
| | | von | NB | DP | EIV | EIV | DP | LF |
| | | an | DP | EIV | DP -> NB | BTR | LF | BKV |
| required | v | | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 |
| required | codingScheme | | A01 | A01 | | A01 | A01 | A01 |
| 1 .. 1 | **MeasureUnit** | | | | | | | |
| required | v | | P1 | P1 | | P1 | P1 | P1 |
| 1 .. 1 | **Direction** | | | | | | | |
| required | v | | A01\|A02 | A01\|A02 | | A01\|A02 | A01\|A02 | A01\|A02 |
| 1 .. 1 | **Status** | | | | | | | |
| required | v | | A07 | A07 | | A07 | A07 | A07 |
| 1 .. 1 | **ResourceObject** | | | | | | | |
| required | v | | SR-ID | SR-ID | | SR-ID | SR-ID | SR-ID |
| required | codingScheme | | NDE | NDE | | NDE | NDE | NDE |
| 0 .. 1 | **SendersDocumentIdentification** | | | | | | | |
| | v | | | | | | | |
| 0 .. 1 | **SendersDocumentVersion** | | | | | | | |
| required | v | | | | | | | |
| 0 .. 1 | **SendersDocumentDateTime** | | | | | | | |
| required | v | | | | | | | |
| 0 .. 1 | **SendersTimeSeriesIdentification** | | | | | | | |
| required | v | | | | | | | |
| 0 .. 1 | **OriginalSenderIdentification** | | | | | | | |
| required | v | | | MP-ID NB | | MP-ID NB | MP-ID NB | MP-ID NB |
| required | codingScheme | | | A10\|NDE | | A10\|NDE | A10\|NDE | A10\|NDE |
| 0 .. 1 | **OriginalDocumentIdentification** | | | | | | | |
| required | v | | | x | | x | x | x |
| 0 .. 1 | **OriginalDocumentVersion** | | | | | | | |
| required | v | | | x | | x | x | x |
| 0 .. 1 | **OriginalDocumentDateTime** | | | | | | | |
| required | v | | | x | | x | x | x |
| 0 .. 1 | **OriginalAllocationIdentification** | | | | | | | |
| required | v | | | x | | x | x | x |
| 1 .. 1 | **Period** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **TimeInterval** | | | | | | | |
| required | v | | x | x | | x | x | x |
| 1 .. 1 | **Resolution** | | | | | | | |
| required | v | | PT15M | PT15M | | PT15M | PT15M | PT15M |
| 92 .. 100 | **Interval** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |

**ActivationDocument** — Abruf im Duldungsfall mit Sollwertanweisung

| Häufigkeit | Element/<br>Attribut | SD | Abruf im Duldungsfall mit Sollwertanweisung | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Prozessschritt | 1 | 2 | 3 | 4 | 5 | 6 |
| | | von | NB | DP | EIV | EIV | DP | LF |
| | | an | DP | EIV | DP -> NB | BTR | LF | BKV |
| 1 .. 1 | **Pos** | | | | | | | |
| required | | *v* | x | x | | x | x | x |
| 1 .. 1 | **Qty** | | | | | | | |
| required | | *v* | x | x | | x | x | x |
| 0 .. 1 | **Reason** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **ReasonCode** | | | | | | | |
| required | | *v* | Z05\|Z06\|Z09\|Z10 | Z05\|Z06\|Z09\|Z10 | | Z05\|Z06\|Z09\|Z10 | Z05\|Z06\|Z09\|Z10 | Z05\|Z06\|Z09\|Z10 |
| 0 .. 1 | **ReasonText** | | | | | | | |
| required | | *v* | | | | | | |
| 0 .. unbounded | **Reason** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **ReasonCode** | | | | | | | |
| required | | *v* | | | | | | |
| 0 .. 1 | **ReasonText** | | | | | | | |
| required | | *v* | | | | | | |

| Häufigkeit | Element/ Attribut | SD / Prozessschritt von / an | Übermittlung des Abrufs einer steuerbaren Ressource an anweisenden NB mit DP | | | | Übermittlung des Abrufs einer steuerbaren Ressource an anweisenden NB ohne DP | |
|---|---|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 | 1 | 2 |
| | | von | NB (anfNB) | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) |
| | | an | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) | NB (anfNB) |
| optional | *DtdBDEWNachrichtenVersion* | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1 .. 1 | xsd:sequence | | | | | | | |
| **1 .. 1** | **DocumentIdentification** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| **1 .. 1** | **DocumentVersion** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| **1 .. 1** | **DocumentType** | | | | | | | |
| required | *v* | | A96 | A96 | A41 | A41 | A96 | A41 |
| **1 .. 1** | **ProcessType** | | | | | | | |
| required | *v* | | A41 | A41 | A41 | A41 | A41 | A41 |
| **1 .. 1** | **SenderIdentification** | | | | | | | |
| required | *v* | | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID |
| required | *codingScheme* | | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE |
| **1 .. 1** | **SenderRole** | | | | | | | |
| required | *v* | | A18 | A39 | A18 | A39 | A18 | A18 |
| **1 .. 1** | **ReceiverIdentification** | | | | | | | |
| required | *v* | | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID |
| required | *codingScheme* | | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE |
| **1 .. 1** | **ReceiverRole** | | | | | | | |
| required | *v* | | A39 | A18 | A39 | A18 | A18 | A18 |
| **1 .. 1** | **CreationDateTime** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| **1 .. 1** | **ActivationTimeInterval** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| **0 .. 1** | **OrderIdentification** | | | | | | | |
| required | *v* | | | | x | x | | x |
| **0 .. 1** | **OrderIdentificationVersion** | | | | | | | |
| required | *v* | | | | x | x | | x |
| **1 .. 2** | **ActivationTimeSeries** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| **1 .. 1** | **AllocationIdentification** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| **1 .. 1** | **ResourceProvider** | | | | | | | |
| required | *v* | | MP-ID EIV | MP-ID EIV | MP-ID EIV | MP-ID EIV | MP-ID EIV | MP-ID EIV |
| required | *codingScheme* | | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE |
| **1 .. 1** | **BusinessType** | | | | | | | |
| required | *v* | | A46\|A85 | A46\|A85 | A46\|A85 | A46\|A85 | A46\|A85 | A46\|A85 |
| **1 .. 1** | **AcquiringArea** | | | | | | | |
| required | *v* | | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 |
| required | *codingScheme* | | A01 | A01 | A01 | A01 | A01 | A01 |
| **1 .. 1** | **ConnectingArea** | | | | | | | |

edi@energy.
Datenformate Strom & Gas

| Häufigkeit | Element/Attribut | SD | Übermittlung des Abrufs einer steuerbaren Ressource an anweisenden NB mit DP | | | | Übermittlung des Abrufs einer steuerbaren Ressource an anweisenden NB ohne DP | |
|---|---|---|---|---|---|---|---|---|
| **ActivationDocument** | | Prozessschritt | 1 | 2 | 3 | 4 | 1 | 2 |
| | | von | NB (anfNB) | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) |
| | | an | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) | NB (anfNB) |
| required | *v* | | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 | 10YDE-VE-------2\|<br>10YDE-RWENET---I\|<br>10YDE-EON------1\|<br>10YDE-ENBW-----N\|<br>10YFLENSBURG---3 |
| required | *codingScheme* | | A01 | A01 | A01 | A01 | A01 | A01 |
| 1 .. 1 | **MeasureUnit** | | | | | | | |
| required | *v* | | MAW\|P1 | MAW\|P1 | MAW\|P1 | MAW\|P1 | MAW\|P1 | MAW\|P1 |
| 1 .. 1 | **Direction** | | | | | | | |
| required | *v* | | A01\|A02 | A01\|A02 | A01\|A02 | A01\|A02 | A01\|A02 | A01\|A02 |
| 1 .. 1 | **Status** | | | | | | | |
| required | *v* | | A10 | A10 | A06 | A06 | A10 | A06 |
| 1 .. 1 | **ResourceObject** | | | | | | | |
| required | *v* | | SR-ID | SR-ID | SR-ID | SR-ID | SR-ID | SR-ID |
| required | *codingScheme* | | NDE | NDE | NDE | NDE | NDE | NDE |
| 0 .. 1 | **SendersDocumentIdentification** | | | | | | | |
| | *v* | | x | x | | | x | |
| 0 .. 1 | **SendersDocumentVersion** | | | | | | | |
| required | *v* | | x | x | | | x | |
| 0 .. 1 | **SendersDocumentDateTime** | | | | | | | |
| required | *v* | | | | | | | |
| 0 .. 1 | **SendersTimeSeriesIdentification** | | | | | | | |
| required | *v* | | | | | | | |
| 0 .. 1 | **OriginalSenderIdentification** | | | | | | | |
| required | *v* | | | MP-ID anf. NB | | MP-ID anw. NB | | |
| required | *codingScheme* | | | A10\|NDE | | A10\|NDE | | |
| 0 .. 1 | **OriginalDocumentIdentification** | | | | | | | |
| required | *v* | | | x | | x | | |
| 0 .. 1 | **OriginalDocumentVersion** | | | | | | | |
| required | *v* | | | x | | x | | |
| 0 .. 1 | **OriginalDocumentDateTime** | | | | | | | |
| required | *v* | | | x | | x | | |
| 0 .. 1 | **OriginalAllocationIdentification** | | | | | | | |
| required | *v* | | | x | | x | | |
| 1 .. 1 | **Period** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **TimeInterval** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| 1 .. 1 | **Resolution** | | | | | | | |
| required | *v* | | PT15M | PT15M | PT15M | PT15M | PT15M | PT15M |
| 92 .. 100 | **Interval** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |

edi@energy.
Datenformate Strom & Gas

| Häufigkeit | Element/ Attribut | SD | Übermittlung des Abrufs einer steuerbaren Ressource an anweisenden NB mit DP | | | | Übermittlung des Abrufs einer steuerbaren Ressource an anweisenden NB ohne DP | |
|---|---|---|---|---|---|---|---|---|
| **ActivationDocument** | | Prozessschritt | 1 | 2 | 3 | 4 | 1 | 2 |
| | | von | NB (anfNB) | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) |
| | | an | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) | NB (anfNB) |
| **1 .. 1** | **Pos** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| **1 .. 1** | **Qty** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| **0 .. 1** | **Reason** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| **1 .. 1** | **ReasonCode** | | | | | | | |
| required | *v* | | Z05\|Z06\|Z09\|Z10 | Z05\|Z06\|Z09\|Z10 | A44\|A95 | A44\|A95 | Z05\|Z06\|Z09\|Z10 | A44\|A95 |
| **0 .. 1** | **ReasonText** | | | | | | | |
| required | *v* | | | | o | o | | o |
| **0 .. unbounded** | **Reason** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| **1 .. 1** | **ReasonCode** | | | | | | | |
| required | *v* | | | | A57\|A95\|A96 | A57\|A95\|A96 | | A57\|A95\|A96 |
| **0 .. 1** | **ReasonText** | | | | | | | |
| required | *v* | | | | | | | o |

edi@energy.
Datenformate Strom & Gas

| Häufigkeit | Element/Attribut | SD Prozessschritt von an | Abruf für eine Cluster-Ressource mit DP | | | | Abruf für eine Cluster-Ressource ohne DP | |
|---|---|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 | 1 | 2 |
| | | von | NB (anfNB) | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) |
| | | an | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) | NB (anfNB) |
| optional | *DtdBDEWNachrichtenVersion* | | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **DocumentIdentification** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| 1 .. 1 | **DocumentVersion** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| 1 .. 1 | **DocumentType** | | | | | | | |
| required | *v* | | A96 | A96 | A41 | A41 | A96 | A41 |
| 1 .. 1 | **ProcessType** | | | | | | | |
| required | *v* | | A41 | A41 | A41 | A41 | A41 | A41 |
| 1 .. 1 | **SenderIdentification** | | | | | | | |
| required | *v* | | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID |
| required | *codingScheme* | | A10|NDE | A10|NDE | A10|NDE | A10|NDE | A10|NDE | A10|NDE |
| 1 .. 1 | **SenderRole** | | | | | | | |
| required | *v* | | A18 | A39 | A18 | A39 | A18 | A18 |
| 1 .. 1 | **ReceiverIdentification** | | | | | | | |
| required | *v* | | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID |
| required | *codingScheme* | | A10|NDE | A10|NDE | A10|NDE | A10|NDE | A10|NDE | A10|NDE |
| 1 .. 1 | **ReceiverRole** | | | | | | | |
| required | *v* | | A39 | A18 | A39 | A18 | A18 | A18 |
| 1 .. 1 | **CreationDateTime** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| 1 .. 1 | **ActivationTimeInterval** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| 0 .. 1 | **OrderIdentification** | | | | | | | |
| required | *v* | | | | x | x | | x |
| 0 .. 1 | **OrderIdentificationVersion** | | | | | | | |
| required | *v* | | | | x | x | | x |
| 1 .. 2 | **ActivationTimeSeries** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **AllocationIdentification** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| 1 .. 1 | **ResourceProvider** | | | | | | | |
| required | *v* | | MP-ID EIV | MP-ID EIV | MP-ID EIV | MP-ID EIV | MP-ID EIV | MP-ID EIV |
| required | *codingScheme* | | A10|NDE | A10|NDE | A10|NDE | A10|NDE | A10|NDE | A10|NDE |
| 1 .. 1 | **BusinessType** | | | | | | | |
| required | *v* | | A46 | A46 | A46 | A46 | A46 | A46 |
| 1 .. 1 | **AcquiringArea** | | | | | | | |
| required | *v* | | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 |
| required | *codingScheme* | | A01 | A01 | A01 | A01 | A01 | A01 |
| 1 .. 1 | **ConnectingArea** | | | | | | | |

| Häufigkeit | Element/Attribut | SD / Prozessschritt / von / an | Abruf für eine Cluster-Ressource mit DP |  |  |  | Abruf für eine Cluster-Ressource ohne DP |  |
|---|---|---|---|---|---|---|---|---|
|  |  | Prozessschritt | 1 | 2 | 3 | 4 | 1 | 2 |
|  |  | von | NB (anfNB) | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) |
|  |  | an | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) | NB (anfNB) |
| required | v |  | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 |
| required | *codingScheme* |  | A01 | A01 | A01 | A01 | A01 | A01 |
| 1 .. 1 | **MeasureUnit** |  |  |  |  |  |  |  |
| required | v |  | MAW | MAW | MAW | MAW | MAW | MAW |
| 1 .. 1 | **Direction** |  |  |  |  |  |  |  |
| required | v |  | A01\|A02 | A01\|A02 | A01\|A02 | A01\|A02 | A01\|A02 | A01\|A02 |
| 1 .. 1 | **Status** |  |  |  |  |  |  |  |
| required | v |  | A10 | A10 | A06 | A06 | A10 | A06 |
| 1 .. 1 | **ResourceObject** |  |  |  |  |  |  |  |
| required | v |  | CR-ID | CR-ID | CR-ID | CR-ID | CR-ID | CR-ID |
| required | *codingScheme* |  | NDE | NDE | NDE | NDE | NDE | NDE |
| 0 .. 1 | **SendersDocumentIdentification** |  |  |  |  |  |  |  |
|  | v |  | x | x |  |  | x |  |
| 0 .. 1 | **SendersDocumentVersion** |  |  |  |  |  |  |  |
| required | v |  | x | x |  |  | x |  |
| 0 .. 1 | **SendersDocumentDateTime** |  |  |  |  |  |  |  |
| required | v |  |  |  |  |  |  |  |
| 0 .. 1 | **SendersTimeSeriesIdentification** |  |  |  |  |  |  |  |
| required | v |  |  |  |  |  |  |  |
| 0 .. 1 | **OriginalSenderIdentification** |  |  |  |  |  |  |  |
| required | v |  |  | MP-ID anf. NB |  | MP-ID anw. NB |  |  |
| required | *codingScheme* |  |  | A10\|NDE |  | A10\|NDE |  |  |
| 0 .. 1 | **OriginalDocumentIdentification** |  |  |  |  |  |  |  |
| required | v |  |  | x |  | x |  |  |
| 0 .. 1 | **OriginalDocumentVersion** |  |  |  |  |  |  |  |
| required | v |  |  | x |  | x |  |  |
| 0 .. 1 | **OriginalDocumentDateTime** |  |  |  |  |  |  |  |
| required | v |  |  | x |  | x |  |  |
| 0 .. 1 | **OriginalAllocationIdentification** |  |  |  |  |  |  |  |
| required | v |  |  | x |  | x |  |  |
| 1 .. 1 | **Period** |  |  |  |  |  |  |  |
| 1 .. 1 | xsd:sequence |  |  |  |  |  |  |  |
| 1 .. 1 | **TimeInterval** |  |  |  |  |  |  |  |
| required | v |  | x | x | x | x | x | x |
| 1 .. 1 | **Resolution** |  |  |  |  |  |  |  |
| required | v |  | PT15M | PT15M | PT15M | PT15M | PT15M | PT15M |
| 92 .. 100 | **Interval** |  |  |  |  |  |  |  |
| 1 .. 1 | xsd:sequence |  |  |  |  |  |  |  |

| Häufigkeit | Element/Attribut | SD | Abruf für eine Cluster-Ressource mit DP | | | | Abruf für eine Cluster-Ressource ohne DP | |
|---|---|---|---|---|---|---|---|---|
| **ActivationDocument** | | Prozessschritt | 1 | 2 | 3 | 4 | 1 | 2 |
| Häufigkeit | Element/Attribut | von | NB (anfNB) | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) |
| | | an | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) | NB (anfNB) |
| **1 .. 1** | **Pos** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| **1 .. 1** | **Qty** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| **0 .. 1** | **Reason** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| **1 .. 1** | **ReasonCode** | | | | | | | |
| required | *v* | | Z05\|Z06\|Z09\|Z10 | Z05\|Z06\|Z09\|Z10 | A44\|A95 | A44\|A95 | Z05\|Z06\|Z09\|Z10 | A44\|A95 |
| **0 .. 1** | **ReasonText** | | | | | | | |
| required | *v* | | | | o | o | | o |
| **0 .. unbounded** | **Reason** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| **1 .. 1** | **ReasonCode** | | | | | | | |
| required | *v* | | | | A57\|A95\|A96 | A57\|A95\|A96 | | A57\|A95\|A96 |
| **0 .. 1** | **ReasonText** | | | | | | | |
| required | *v* | | | | o | o | | o |

| Häufigkeit | Element/ Attribut | Abruf für eine Steuergruppe mit DP | | | | Abruf für eine Steuergruppe ohne DP | |
|---|---|---|---|---|---|---|---|
| **ActivationDocument** | SD Prozessschritt von an | 1 | 2 | 3 | 4 | 1 | 2 |
| | | NB (anfNB) | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) |
| | | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) | NB (anfNB) |
| optional | *DtdBDEWNachrichtenVersion* | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 1 .. 1 | xsd:sequence | | | | | | |
| **1 .. 1** | **DocumentIdentification** | | | | | | |
| required | *v* | x | x | x | x | x | x |
| **1 .. 1** | **DocumentVersion** | | | | | | |
| required | *v* | x | x | x | x | x | x |
| **1 .. 1** | **DocumentType** | | | | | | |
| required | *v* | A96 | A96 | A41 | A41 | A96 | A41 |
| **1 .. 1** | **ProcessType** | | | | | | |
| required | *v* | A41 | A41 | A41 | A41 | A41 | A41 |
| **1 .. 1** | **SenderIdentification** | | | | | | |
| required | *v* | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID |
| required | *codingScheme* | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE |
| **1 .. 1** | **SenderRole** | | | | | | |
| required | *v* | A18 | A39 | A18 | A39 | A18 | A18 |
| **1 .. 1** | **ReceiverIdentification** | | | | | | |
| required | *v* | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID | MP-ID |
| required | *codingScheme* | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE |
| **1 .. 1** | **ReceiverRole** | | | | | | |
| required | *v* | A39 | A18 | A39 | A18 | A18 | A18 |
| **1 .. 1** | **CreationDateTime** | | | | | | |
| required | *v* | x | x | x | x | x | x |
| **1 .. 1** | **ActivationTimeInterval** | | | | | | |
| required | *v* | x | x | x | x | x | x |
| **0 .. 1** | **OrderIdentification** | | | | | | |
| required | *v* | | | x | x | | x |
| **0 .. 1** | **OrderIdentificationVersion** | | | | | | |
| required | *v* | | | x | x | | x |
| **1 .. 2** | **ActivationTimeSeries** | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | |
| **1 .. 1** | **AllocationIdentification** | | | | | | |
| required | *v* | x | x | x | x | x | x |
| **1 .. 1** | **ResourceProvider** | | | | | | |
| required | *v* | MP-ID EIV | MP-ID EIV | MP-ID EIV | MP-ID EIV | MP-ID EIV | MP-ID EIV |
| required | *codingScheme* | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE | A10\|NDE |
| **1 .. 1** | **BusinessType** | | | | | | |
| required | *v* | A46\|A85 | A46\|A85 | A46\|A85 | A46\|A85 | A46\|A85 | A46\|A85 |
| **1 .. 1** | **AcquiringArea** | | | | | | |
| required | *v* | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 | 10YCB-GERMANY--8 |
| required | *codingScheme* | A01 | A01 | A01 | A01 | A01 | A01 |
| **1 .. 1** | **ConnectingArea** | | | | | | |

edi@energy.
Datenformate Strom & Gas

| Häufigkeit | Element/Attribut | ActivationDocument SD | Abruf für eine Steuergruppe mit DP | | | | Abruf für eine Steuergruppe ohne DP | |
|---|---|---|---|---|---|---|---|---|
| | | Prozessschritt | 1 | 2 | 3 | 4 | 1 | 2 |
| | | von | NB (anfNB) | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) |
| | | an | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) | NB (anfNB) |
| required | v | | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 | 10YDE-VE-------2\| 10YDE-RWENET---I\| 10YDE-EON------1\| 10YDE-ENBW-----N\| 10YFLENSBURG---3 |
| required | codingScheme | | A01 | A01 | A01 | A01 | A01 | A01 |
| 1 .. 1 | **MeasureUnit** | | | | | | | |
| required | v | | MAW\|P1 | MAW\|P1 | MAW\|P1 | MAW\|P1 | MAW\|P1 | MAW\|P1 |
| 1 .. 1 | **Direction** | | | | | | | |
| required | v | | A01\|A02 | A01\|A02 | A01\|A02 | A01\|A02 | A01\|A02 | A01\|A02 |
| 1 .. 1 | **Status** | | | | | | | |
| required | v | | A10 | A10 | A06 | A06 | A10 | A06 |
| 1 .. 1 | **ResourceObject** | | | | | | | |
| required | v | | SG-ID | SG-ID | SG-ID | SG-ID | SG-ID | SG-ID |
| required | codingScheme | | NDE | NDE | NDE | NDE | NDE | NDE |
| 0 .. 1 | **SendersDocumentIdentification** | | | | | | | |
| | v | | x | x | | | x | |
| 0 .. 1 | **SendersDocumentVersion** | | | | | | | |
| required | v | | x | x | | | x | |
| 0 .. 1 | **SendersDocumentDateTime** | | | | | | | |
| required | v | | | | | | | |
| 0 .. 1 | **SendersTimeSeriesIdentification** | | | | | | | |
| required | v | | | | | | | |
| 0 .. 1 | **OriginalSenderIdentification** | | | | | | | |
| required | v | | | MP-ID anf. NB | | MP-ID anw. NB | | |
| required | codingScheme | | | A10\|NDE | | A10\|NDE | | |
| 0 .. 1 | **OriginalDocumentIdentification** | | | | | | | |
| required | v | | | x | | x | | |
| 0 .. 1 | **OriginalDocumentVersion** | | | | | | | |
| required | v | | | x | | x | | |
| 0 .. 1 | **OriginalDocumentDateTime** | | | | | | | |
| required | v | | | x | | x | | |
| 0 .. 1 | **OriginalAllocationIdentification** | | | | | | | |
| required | v | | | x | | x | | |
| 1 .. 1 | **Period** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| 1 .. 1 | **TimeInterval** | | | | | | | |
| required | v | | x | x | x | x | x | x |
| 1 .. 1 | **Resolution** | | | | | | | |
| required | v | | PT15M | PT15M | PT15M | PT15M | PT15M | PT15M |
| 92 .. 100 | **Interval** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |

edi@energy.
Datenformate Strom & Gas

| Häufigkeit | Element/Attribut | SD / von / an | Abruf für eine Steuergruppe mit DP | | | | Abruf für eine Steuergruppe ohne DP | |
|---|---|---|---|---|---|---|---|---|
| **ActivationDocument** | | Prozessschritt | 1 | 2 | 3 | 4 | 1 | 2 |
| | | von | NB (anfNB) | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) |
| | | an | DP | NB (anwNB) | DP | NB (anfNB) | NB (anwNB) | NB (anfNB) |
| **1 .. 1** | **Pos** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| **1 .. 1** | **Qty** | | | | | | | |
| required | *v* | | x | x | x | x | x | x |
| **0 .. 1** | **Reason** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| **1 .. 1** | **ReasonCode** | | | | | | | |
| required | *v* | | Z05\|Z06\|Z09\|Z10 | Z05\|Z06\|Z09\|Z10 | A44\|A95 | A44\|A95 | Z05\|Z06\|Z09\|Z10 | A44\|A95 |
| **0 .. 1** | **ReasonText** | | | | | | | |
| required | *v* | | | | o | o | | o |
| **0 .. unbounded** | **Reason** | | | | | | | |
| 1 .. 1 | xsd:sequence | | | | | | | |
| **1 .. 1** | **ReasonCode** | | | | | | | |
| required | *v* | | | | A57\|A95\|A96 | A57\|A95\|A96 | | A57\|A95\|A96 |
| **0 .. 1** | **ReasonText** | | | | | | | |
| required | *v* | | | | o | o | | o |

# Fußnoten

| Fußnote | Hinweis |
|---------|---------|
| [1] | *gelöscht* |
| [2] | Bei der Sollwertanweisung ist nur die MeasureUnit P1 zu verwenden; bei der Deltaanweisung sind beide MeasureUnits MAW und P1 möglich. |