



UTILTS

Utilities time series message

Danish EDI Message Implementation Guide

October 2011

Version 3.0

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		Ove Nesvik	CCO	JHH		NAME
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		Ove Nesvik	CCO	MEH		NAME
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1. Change log

Date	Description of change	Version	Changed by
02-06-2010	Draft document, changes not traced	1.0	Ove Nesvik
10-06-2010	<ul style="list-style-type: none"> • Updated of class diagram (overview) <ul style="list-style-type: none"> ◦ <i>Metering Grid area</i> is removed from the <i>Time series class</i> • <i>In- and Out Area</i> are removed • <i>Imbalance settlement responsible</i> (DDX) is added • <i>Metered data aggregator, central</i> (Z04) is removed • Product code <i>Fuel</i> (code to be found) is added • New codes for <i>Type of MP</i> added • Market Balance Area (price area) is added as Aggregation criteria 	1.0	Ove Nesvik
11-06-2011	<ul style="list-style-type: none"> • Updated of class diagram (overview) • Addition of SG10/CUX • New <i>Measure unit codes</i> • New <i>Business Reason codes</i> 	1.0	Ove Nesvik
02-01-2011	Usage of ISO 8601 for duration in SG5/DTM	2.0	Ove Nesvik
23-02-2011	Update of Figure 1: common data model for UTILTS	2.0	Ove Nesvik
01-10-2011	Updated in accordance with the RSM document	3.0	Christian Odgaard
11-10-2011	Updated class diagram and correction of errors	3.0	Ove Nesvik

2. Introduction and general principles

This document is an Implementation Guide (IG) for the Utilities time series message, to be used in the energy industry. The IG describes the EDIFACT-message UTILTS (the Utilities time series message) in detail. The message is sent between parties in the energy industry. The message can be used for sending time series related to planned and metered data, e.g. for planning, settlement, reconciliation etc.

The EDIFACT specification in the following chapters is based on the UN/EDIFACT directory, D.09B, <http://www.unece.org/trade/untdid/welcome.htm> [1].

Detailed explanations of the individual segments are not provided in this specification, but are to be found in the above-mentioned document. Danish restrictions and validations can be found in paragraph 4 of the RSM document (ref 5)

In *chapter 9, Mapping table for UTILTS*, an occurrence is stated for each segment, showing the cardinality for the segment. E.g. a cardinality of [1] means that the segment is required once, a cardinality of [0..1] means that the segment is optional once and a cardinality of [1..*] means that the segment is required at least once.

If a segment is repeated within a segment group there are no requirements for a specific sequence of the segments.

3. General description of the UTILTS message

3.1. Functional Definition

The Utilities time series message is sent between responsible parties in a utilities infrastructure for the purpose of reporting time series and connected technical and/or administrative information.

3.2. Field of application

The Utilities time series message may be used for both national and international applications. It is based on universal practice related to administration, commerce and transport, and is not dependent on the type of business or industry.

3.3. Principles

The Utilities time series message may contain time series for metered values, forecasts, estimates, prices, etc. Connected to each time series there may be technical and administrative information, such as characteristics of a meter, exchange rates, etc. Each time series will be identified by the companies and/or locations that are reported, the product and the validity time period. The message may be an initial message and does not require a response.

3.4. Message terms and definitions

Time series:

A sequence of observations of a single process often taken at equal time intervals.

4. References

This Implementation guide is based on the following documents.

- [1] UN/EDIFACT directory, D.09B, <http://www.unece.org/trade/untdid/welcome.htm>
- [2] ebIX common rules and recommendations, <http://www.ebix.org>
- [3] ebIX Business information models for Measure, www.ebix.org
- [4] ebIX Code list, www.ebix.org
- [5] EDI transaktioner i det danske elmarked (EDI guide - RSM'erne)

5. Precedence

If there should be any conflict regarding this Implementation guide or between this Implementation guide and other documents, the following precedence shall be used:

- 1 UN/EDIFACT directory, D.09B [1]
- 2 The ebIX common rules and recommendations [2]
- 3 This Implementation guide.

In this Implementation guide the EDIFACT message type is described in different ways. If there should be any conflict regarding the different descriptions, the detailed description in the last chapter should be used.

6. Quality assurance

This document is written by Ove Nesvik, EdiSys AS on behalf of Energinet.dk.

6.1. Version number

The Implementation Guide will have 2 levels of version numbering. This will be Version and Release. In addition there will be a Revision number.

- The Version number (first number) will be updated when there have been major changes like new versions of the message type.
- The Release number will be updated when there have been small changes to the IG, like adding new segments, new data elements etc. within the EDIFACT directory. These changes shall not influence existing implementations.
- The Revision number will be updated when there have been minor changes, like correction of examples, adding new codes etc. These changes shall not influence existing implementations.

6.2. Coded values

The following principles are used for codes and qualifiers:

- Codes defined and maintained by ebIX will have a preceding E or Z, e.g. E05 or Z14
- Codes defined and maintained by Denmark will have a preceding D, e.g. D02

If ebIX codes (Enn or Znn codes) are used the code list responsible agency 260 (*ebIX*) shall be used in the related data element 3055. If Danish codes (Dnn) are used the code list DK (*Danish ebIX group*) shall be used in related data element 1131 in addition.

7. Data model for UTILTS

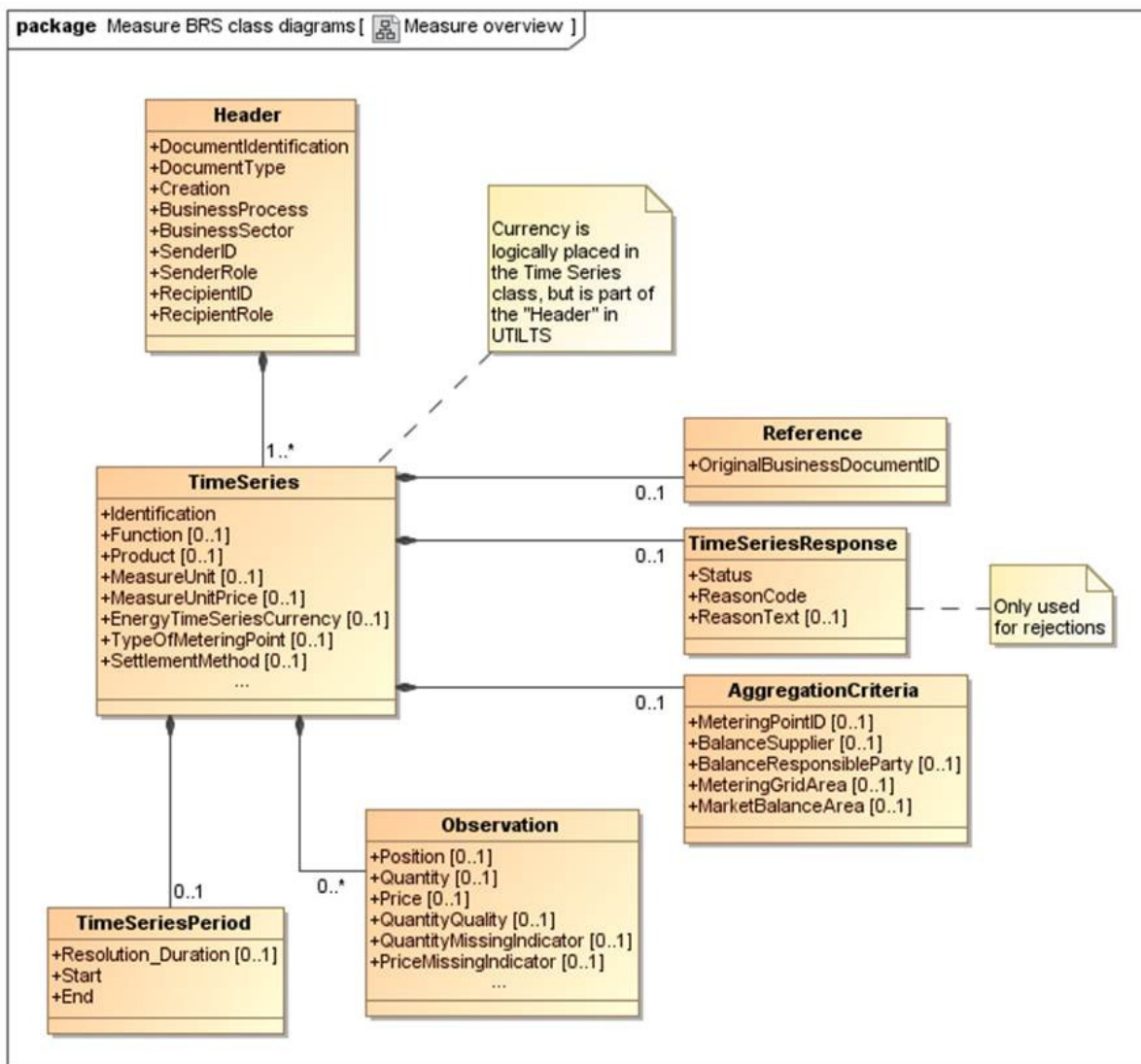


Figure 1: Common data model for UTILTS

8. Cue list

Below is a table describing the EDIFACT message and the relationships to the attributes in the class diagram, as used in Denmark.

Message header				
	UNH	M	1	
	BGM	M	1	Document type Message identification Function
	DTM	M	9	Creation Time zone (EDIFACT requirement)
	MKS	C	9	Business sector
	PRC	C	9	Not used
References				
	SG 1	C	9	Not used
	RFF	M	1	Not used
	DTM	C	9	Not used
Document parties and roles				
	SG 2	C	99	
	NAD	M	1	Recipient ID Sender ID
	RFF	C	1	Not used
	ATT	C	9	Recipient role Sender role
Contact information				
	SG 3	C	9	
	CTA	M	1	Not used
	COM	C	9	Not used
Currency				
	SG 4	C	99	
	CUX	M	1	Energy time series currency
	DTM	C	9	Not used
	STS	C	9	Not used
Business document (message details)				
	SG 5	R	99999	
	IDE	M	1	Time series identification
	LOC	C	9	Metering point Metering grid area Market balance area (price area)
	NAD	C	9	Balance supplier Balance responsible party
	LIN	C	9	Product
	PIA	C	9	Not used
	IMD	C	9	Not used
	DTM	C	99	Resolution duration Start End
	PRC	C	9	Not used
	STS	C	9	Business process Status Reason code Reason text

	AGR	C	9	Not used
	MEA	C	9	Measure unit Measure unit price
	FTX	C	9	Not used
References				
	SG 6	C	99999	
	RFF	M	1	Original business document ID
	DTM	C	9	Not used
Characteristics				
	SG 7	C	99	
	CCI	M	1	Type of characteristic (EDIFACT requirement)
	CAV	C	99	Type of metering point Settlement method
Meter/register				
	SG 8	C	99999	
	SEQ	M	1	Position
	DTM	C	9	Not used
	RFF	C	9	Not used
	MOA	C	9	Not used
	PCD	C	9	Not used
	GPO	C	9	Not used
Characteristics				
	SG 9	C	99	
	CCI	M	1	Type of characteristic (EDIFACT requirement)
	CAV	C	99	Quantity missing indicator Price missing indicator
Prices				
	SG 10	C	99	
	PRI	M	1	Price
Quantities				
	SG 11	C	99999	
	QTY	M	1	Quantity
	DTM	C	9	Not used
	STS	C	9	Quantity quality
Characteristics				
	SG 12	C	99	
	CCI	M	1	Not used
	CAV	C	99	Not used
Prices				
	SG 13	C	9	
	PRI	M	1	Not used
	CUX	C	9	Not used
Message trailer				
	CNT	C	9	Not used
	UNT	M	1	Message trailer

9. Mapping table for UTILTS

Segment	* Data Element		Description	Attribute	
	Identification	Content			
SG 0 UNH Occurrence 1	0062	Message reference, e.g. '1'	A unique reference for the message within the interchange.		
	S009 0065	'UTILTS'	The version number of this guide should be stated here. The number consists of "E5" for Ediel version 5, "DK" for Danish and "03" for version number 3.		
	S009 0052	'D'			
	S009 0054	'09B'			
	S009 0051	'UN'			
	S009 0057	'E5DK03'			
	0068	Not used			
S010 0070 S010 0073	Not used Not used				
Example	UNH+1+UTILTS:D:09B:UN:E5DK03'				
SG 0 BGM Occurrence 1	C002 1001	E31	Aggregate metered data from the Metered data aggregator, local	EDIFACT or ebIX code for the identification of the message in relation to the actual business transaction.	Document Type
		E66	Validated metered data, time series, from Metered data responsible		
		E73	Request for validated metered data		
		E74	Request aggregated metered data		
		ERR	Processability Error Report		
		C002 1131	Not used		
	C002 3055	260 ebIX	Code list responsible agency code. Only to be used for Exx codes.		
	C002 1000	Not used			
	C106 1004	Message id, e.g. 'SPH1234'		A unique (business related) reference for the message over time.	Message Identification
		C106 1056			
C106 1060		Not used			
1225	5 Update 9 Original	The function of the document, i.e. if it is an original document or an update/resending of a previous sent document.	Function		
4343	Not used				
Example	BGM+E31::260+SPH1235+9'				
SG 0 DTM Occurrence 1	C507 2005	137	Message date and time	Date and the time for composition of the message.	Creation
	C507 2380	Actual date and time			
	C507 2379	203	Format: CYYMMDDHHmm		
Example	DTM+137:201005251233:203'				

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 0 DTM Occurrence 1	C507 2005	735 Deviation from UTC	Defines the offset to UTC used for all dates, times and periods in the message. The offset must be expressed in the format ZHHMM, where Z is plus (+) or minus (-). In this guide only '+0000' must be used The time zone should always be UTC format.	
	C507 2380	+0000 UTC		
	C507 2379	406 Format ZHHMM		
Example	DTM+735:?:+0000:406'			
SG 0 MKS Occurrence 1	7293	23 Electricity supply industry	Descriptions of the market relevant for the current message, such as Electricity supply industry .	Business Sector
	C332 3496	E02 Measure	A code specifying the business domain. This element is required in EDIFACT.	
	C332 1131	Not used		
	C332 3055	260 eBlX		
	1229	Not used		
Example	MKS+23+E02::260'			

Segment	* Data Element		Description	Attribute	
	Identification	Content			
SG 2 NAD Occurrence 1	3035	MR Message recipient	The party id of the recipient of the document. Both GS1 and EIC schemas can be used.	Recipient ID	
	C082 3039	Recipient's party id			
	C082 1131	Not used			
	C082 3055	9 GS1 Identification scheme 305 ENTSO-E Identification Code (EIC) scheme			
	Rest of segment	Not used			
Example	NAD+MR+1234567890123::9'				
SG 2 ATT Occurrence 1	9017	25 Additional function (role)	The role of the recipient of the document. Code list responsible agency code. Only to be used for Exx codes.	Recipient Role	
	C955 9021	DDK			Balance responsible party
		DDM			Grid access provider
		DDQ			Balance supplier
		DDX			Imbalance settlement responsible
		DEA			Metered data aggregator
EZ	System operator				
MDR	Metered data responsible				
C955 1131	Not used				
C955 3055	260 ebIX				
C955 9020	Not used				
	Rest of segment	Not used			
Example	ATT+25+DDQ' ATT+25+Z04::260'				

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 2 NAD Occurrence 1	3035	MS Message sender	The party id of the sender of the document. Both GS1 and EIC schemas can be used.	Sender ID
	C082 3039	Sender's party id		
	C082 1131	Not used		
	C082 3055	9 GS1 Identification scheme 305 ENTSO-E Identification Code (EIC) scheme		
	Rest of segment	Not used		
Example	NAD+MS+9876543210987::9'			
SG 2 ATT Occurrence 1	9017	25 Additional function (role)	The role of the sender of the document. Code list responsible agency code. Only to be used for Exx codes.	Sender Role
	C955 9021	DDK Balance responsible party		
		DDM Grid access provider		
		DDQ Balance supplier		
		DDX Imbalance settlement responsible		
		DEA Metered data aggregator		
EZ System operator				
MDR Metered data responsible				
C955 1131	Not used			
C955 3055	260 ebIX			
C955 9020	Not used			
	Rest of segment	Not used		
Example	ATT+25+DDZ'			
SG 4 CUX Occurrence 0..1	C504 6347	2 Reference currency	The currency for the price in the SG10/PRI.	Energy Time Series Currency
	C504 6345	DKK Denmark – Krone		
		NOK Norwegian – Krone		
		SEK Sweden – Krona		
	EUR Euro			
C504 6343	Not used			
C504 6348	Not used			
	Rest of segment	Not used		
Example	CUX+2:DKK'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 5 IDE Occurrence 1	7495	24 Time series identification	The sender's unique identification of the time series. Can be e.g. "Message id" and line number. Is among others used as reference when answering.	Identification
	C206 7402	Unique ID of the time series		
	C206 7405	Not used		
	C206 4405	Not used		
	Rest of segment	Not used		
Example	IDE+24+DK3245R14'			
SG 5 LOC Occurrence 0..1	3227	172 Metering point id		
	C517 3225	GS1-GRSN-number of Metering point.	Identification of the metering point. Every metering point has a unique GS1-GRSN-number of 18 digits.	Metering point ID
	C517 1131	Not used		
	C517 3055	9 GS1 Identification scheme		
	C517 3224	Not used		
	Rest of segment	Not used		
Example	LOC+172+123456789012345678::9'			
SG 5 LOC Occurrence 0..1	3227	231 Metering grid area (EDIFACT term: Power grid area)		
	C517 3225	Danish ID of the Metering Grid Area.	Identification of the metering grid area. Every metering grid area has a unique DE-number of 3 digits (Dansk energi). Be aware that leading zeroes have to be sent, e.g. 003	Metering grid area
	C517 1131	DK Danish ebIX Group		
	C517 3055	260 ebIX		
	C517 3224	Not used		
	Rest of segment	Not used		
Example	LOC+231+006:DK:260'			
SG 5 LOC Occurrence 0..1	3227	237 Market balance area (EDIFACT term: Balance settlement area)		
	C517 3225	EIC ID of the Market balance area.	Identification of the Market balance area (price area). Vestdanmark (Jylland/Fyn) 10YDK-1-----W Østdanmark (Sjælland inkl. Bornholm) 10YDK-2-----M C517 1131 is only used for national Danish codes.	Market balance area
	C517 1131	DK Danish ebIX Group		
	C517 3055	260 ebIX 305 ENTSO-E		
	C517 3224	Not used		
	Rest of segment	Not used		
Example	LOC+237+10YDK-1-----W::305'			

Segment	* Data Element		Description	Attribute	
	Identification	Content			
SG 5 NAD Occurrence 0..1	3035	DDQ Balance supplier (Balance power supplier)			
	C082 3039	Balance supplier ID	The party id of the Balance Supplier. Both GS1 and EIC can be used.	Balance Supplier ID	
	C082 1131	Not used			
	C082 3055	9 GS1 Identification scheme 305 ENTSO-E Identification Code (EIC) scheme			
Rest of segment	Not used				
Example	NAD+DDQ+09X765432109809876::305'				
SG 5 NAD Occurrence 0..1	3035	DDK Balance responsible party			
	C082 3039	Balance responsible ID	The party id of the Balance Responsible Party for. Both GS1 and EIC can be used.	Balance Responsible Party ID	
	C082 1131	Not used			
	C082 3055	9 GS1 Identification scheme 305 ENTSO-E Identification Code (EIC) scheme			
Rest of segment	Not used				
Example	NAD+DDK+1234567890123::9'				
SG 5 LIN Occurrence 0..1	1082	Not used			
	1229	Not used			
	C212 7140	8716867000030	Energy active	Product identification	Product
		8716867000016	Power active		
		8716867000047	Energy reactive		
		5790001330606	Fuel		
		5790001330590	Tariff		
	C212 7143	Not used			
C212 1131	Not used				
C212 3055	9 GS1 Identification scheme				
Rest of segment	Not used				
Example	LIN+++8716867000030:::9'				
SG 5 DTM Occurrence 0..1	C507 2005	163 Start (EDIFACT term: Processing start date/time)	Date and time in UTC format for start of the time series.	Start	
	C507 2380	Date			
	C507 2379	203 Format CCYYMMDDHHMM			
Example	DTM+163+201005302200:203'				
SG 5 DTM Occurrence 0..1	C507 2005	164 End (EDIFACT term: Processing end date/time)	Date and time in UTC format for end of the time series.	End	
	C507 2380	Date			
	C507 2379	203 Format CCYYMMDDHHMM			
Example	DTM+164+201005312200:203'				

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 5 DTM Occurrence 0..1	C507 2005	354 Resolution duration (EDI-FACT term: "Activity period date range")	The length of an observation, e.g. number of minutes PnYnMnDTnHnMnS, e.g. PT15M (15 minutes) PT1H (one hour) P1Y (one year)	Resolution duration
	C507 2380	Duration		
	C507 2379	DK Resolution according to ISO 8601		
Example	DTM+354+PT15M:DK'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 5 STS Occurrence 1	C601 9015	7 Transaction		
	C601 1131	Not used		
	C601 3055	Not used		
	C555 4405	Not used		
	C555 1131	Not used		
	C555 3055	Not used		
	C555 4404	Not used		
	C556 9013	E23 Periodic metering E30 Historical data D02 Preparation for imbalance settlement D03 Temporary Load Profile D04 Load Profile, 1 st settlement D05 Load Profile, 2 nd settlement D06 Continuous meter reading from profiled metering points D07 Rollback of Change-of-supplier D09 Latest available value D10 Meter reading, profiled consumption	The reason for exchange of the information (time series). When codes beginning with "D" are used in C556 9013, 'DK Danish ebIX Group' must be stated as the code list identification code in C556 1131, otherwise not used.	Business Process
	C556 1131	DK Danish ebIX Group		
	C556 3055	260 ebIX		
C556 9012	Not used			
Rest of segment	Not used			
Example	STS+7++E01::260' STS+7++D07:DK:260'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 5 STS Occurrence 0..1	C601 9015	E01 Answer		
	C601 1131	Not used		
	C601 3055	260 ebIX		
	C555 4405	41 Rejected	A rejection of a request for metered data.	Status
	C555 1131	Not used		
	C555 3055	Not used	The segment is only used for rejections.	
	C555 4404	Not used		
	C556 9013	E10 Metering point not identifiable E11 Measuring problem E16 Unauthorized balance supplier E17 Requested switch date not within time limits E18 Unauthorized balance responsible E50 Invalid period E51 Invalid number of decimals E55 Unauthorised metered data responsible D02 General Error D04 Unauthorised Grid access provider D09 No data available D11 Combination of search criteria not possible D13 DataHub internal error	The reason for rejection in coded form	Reason Code
	C556 1131	Not used		
	C556 3055	260 ebIX		
C556 9012	Reason text (optional)	An optional textual description of the <i>Reason code</i> above. The format of the text is an..256 Not used	Reason Text	
Rest of segment	Not used			
Example	STS+E01::260+41+E11::260'			

Segment	* Data Element		Description	Attribute	
	Identification	Content			
SG 5 MEA Occurrence 0..1	6311	AAZ Handling unit measurement	Measurement unit connected to the time series.	Measure unit	
	C502 6313	Not used			
	C502 6321	Not used			
	C502 6155	Not used			
	C502 6154	Not used			
	C174 6411	KWH			kWh (Kilowatt-hour)
		KWT			kW (Kilowatt)
		MWH			MWh (Megawatt-hour)
		MAW			MW (Megawatt)
		K3			kVArh (KiloVolt-Ampere reactive hour)
		Z03			MVAr (MegaVolt-Ampere reactive power)
		TNE			Tonne (metric ton)
	Z14	Danish Tariff code (KT Tariff-kode)			
C174 6314	Not used				
C174 6162	Not used				
C174 6152	Not used				
C174 6432	Not used				
7383	Not used				
Example	MEA+AAZ++KWH'				

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 5 MEA Occurrence 0..1	6311	ABO Comparison price measurement	Measurement unit connected to the price.	Measure unit price
	C502 6313	Not used		
	C502 6321	Not used		
	C502 6155	Not used		
	C502 6154	Not used		
	C174 6411	KWH kWh (Kilowatt-hour) MWH MWh (Megawatt-hour) TNE Tonne (metric ton)		
	C174 6314	Not used		
	C174 6162	Not used		
	C174 6152	Not used		
	C174 6432	Not used		
7383	Not used			
Example	MEA+AAZ++KWH'			
SG 6 RFF Occurrence 0..1	C506 1153	TN Reference to transaction id	Reference to a received transaction id. Only used in connection with request metered data.	Original Business Document ID
	C506 1154	Transaction id		
	C506 1156	Not used		
	C506 1056	Not used		
	C5061060	Not used		
Example	RFF+TN+DK3245R13'			
SG 7 CCI Occurrence 0..1	7059	Not used	The method can be used for settlement, such as profiled or non-profiled.	
	C502 6313	Not used		
	C502 6321	Not used		
	C502 6155	Not used		
	C502 6154	Not used		
	C240 7037	E02 Settlement method		
	C240 1131	Not used		
	C240 3055	260 ebIX		
	C240 7036	Not used		
	C240 7036	Not used		
4051	Not used			
SG 7 CAV Occurrence 0..1	C889 7111	E01 Profiled E02 Non-profiled D01 Profiled hourly settled		Settlement Method
	C889 1131	Not used		
	C889 3055	260 ebIX		
	C889 7110	Not used		
	C889 7110	Not used		

Segment	* Data Element		Description	Attribute
	Identification	Content		
Example	CCI+++E02::260' CAV+E01::260'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 7 CCI Occurrence 0..1	7059	Not used	The type of metering point, such as consumption, production, exchange or combined production and consumption metering point. Code list responsible <i>260 ebIX</i> is used together with <i>Enn</i> codes in C889 7111.	Type Of Metering Point
	C502 6313	Not used		
	C502 6321	Not used		
	C502 6155	Not used		
	C502 6154	Not used		
	C240 7037	E12 Type of metering point		
	C240 1131	Not used		
	C240 3055	260 ebIX		
	C240 7036	Not used		
	C240 7036	Not used		
4051	Not used			
SG 7 CAV Occurrence 0..1	C889 7111	E17 Consumption	When codes beginning with "D" are used in C889 7111, ' <i>DK Danish ebIX Group</i> ' must be stated as the code list identification code in C556 1131, otherwise not used.	
		E18 Production		
		E20 Exchange		
		D01 VE production		
		D02 Technical		
		D03 Own production		
	C889 1131	DK Danish ebIX Group		
C889 3055	260 ebIX			
C889 7110	Not used			
C889 7110	E12 Type of metering point			
Example	CCI+++E12::260' CAV+E17::260'			
SG 8 SEQ Occurrence 0..99999	1229	Not used		
	C286 1050	Position	The position of the observation in the time series. I.e. a sequence number starting with 1 for the first observation in the time series.	Position
	C286 1131	Not used		
	C286 3055	Not used		
	C286 3055	Not used		
Rest of segment	Not used			
Example	SEQ++1'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 9 CCI Occurrence 0..1	7059	Not used	An indicator saying if the quantity in the observations is missing. If missing the value in the CAV segment is "True", otherwise not used. Code list responsible <i>260 ebIX</i> is used together with <i>Enn</i> codes in C889 7111.	Quantity missing indicator
	C502 6313	Not used		
	C502 6321	Not used		
	C502 6155	Not used		
	C502 6154	Not used		
	C240 7037	Z02 Quantity missing indicator		
	C240 1131	Not used		
	C240 3055	260 ebIX		
	C240 7036	Not used		
	C240 7036	Not used		
SG 9 CAV Occurrence 0..1	4051	Not used		
	C889 7111	Z04 True		
	C889 1131	Not used		
	C889 3055	260 ebIX		
	C889 7110	Not used		
Example	CCI+++Z02::260'			
	CAV+Z04::260'			
SG 9 CCI Occurrence 0..1	7059	Not used	An indicator saying if the price in the observations is missing. If missing the value in the CAV segment is "True", otherwise not used. Code list responsible <i>260 ebIX</i> is used together with <i>Enn</i> codes in C889 7111.	Price missing indicator
	C502 6313	Not used		
	C502 6321	Not used		
	C502 6155	Not used		
	C502 6154	Not used		
	C240 7037	Z01 Price missing indicator		
	C240 1131	Not used		
	C240 3055	260 ebIX		
	C240 7036	Not used		
	C240 7036	Not used		
SG 9 CAV Occurrence 0..1	4051	Not used		
	C889 7111	Z04 True		
	C889 1131	Not used		
	C889 3055	260 ebIX		
	C889 7110	Not used		
Example	CCI+++Z01::260'			
	CAV+Z04::260'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 10 PRI Occurrence 0..1	C509 5125	CAL Calculation price	Price for the observation in question.	Price
	C509 5118	Price		
	C509 5375	Not used		
	C509 5387	Not used		
	C509 5284	Not used		
	C509 6411	Not used		
	5213	Not used		
Example	PRI+CAL:23,02'			
SG 11 QTY Occurrence 0..1	C186 6063	136 Period quantity, reached	The quantity for the observation in question.	Quantity
	C186 6060	Quantity		
	C186 6411	Not used		
Example	QTY+136:340'			
SG 11 STS Occurrence 0..1	C601 9015	8 Meter reading quality	The quality of the quantity in question. Code list responsible <i>260 ebIX</i> is used together with <i>Enn</i> codes in C889 7111	Quantity quality
	C601 1131	Not used		
	C601 3055	Not used		
	C555 4405	36 Revised 56 Estimated E01 As read		
	C555 1131	Not used		
	C555 3055	260 ebIX		
	C555 4404	Not used		
	C556 9013	Not used		
	C556 1131	Not used		
	C556 3055	Not used		
C556 9012	Not used			
Rest of segment	Not used			
Example	STS+8+56'			
SG 0 UNT Occurrence 1	0074	Number of segments in the message	The message reference should be equal to SG 0 UNH 0062.	
	0062	Message reference number	Not specified in the dependency matrix, but must be included in the message	