



UTILMD

Utility Master Data Message

Danish EDI Message Implementation Guide

October 2011

Version 3.0

2.0		02-2011	02-2011	03-2011		DATE
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3.0		10-2011	10-2011	10-2011		DATE
		Ove Nesvik	CCO	MEH		NAME
REV.	DESCRIPTION	PREPARED	CHECKED	REVIEWED	APPROVED	
		31487-10				
		DOC. NO.				

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1. Change log

Date	Description	Version	Editor
01-06-2010	Draft document, changes not traced	1.0	Ove Nesvik
02-06-2010	<ul style="list-style-type: none"> • The term CVR-P is changed to CVR • The CVR-P is removed from the Second consumer • The code D07, Year is added to Meter Reading Occurrence • Metering Point Geographical Coordinates [0..1] is added to SG5/LOC • The code list is moved from DE 3055 to DE113, where applicable 	1.0	Ove Nesvik
03-06-2010	<ul style="list-style-type: none"> • The Cue list, chapter 8, has been updated with the ATT segment • The code for Metering grid area in the LOC segment has been corrected to 231 (from 131) 	1.0	Ove nesvik
04-06-2010	<ul style="list-style-type: none"> • Addition of a Net settlement group (Nettoafregningsgruppe) in CCA/CAV • Spelling corrections 	1.0	Ove Nesvik
06-06-2010	Correction of examples	1.0	Ove Nesvik
10-06-2010	<ul style="list-style-type: none"> • Metering Method is removed • New Error codes added • Updated of class diagram (overview) • New codes for Type of MP added • 	1.0	Ove Nesvik
11-06-2010	Addition of SupplyEndDate	1.0	Ove Nesvik
27-01-2011	Correction of the sequence of data element 3164 in SG12/NAD	2.0	Ove Nesvik
23-02-2011	Update of Figure 1 : Common data model for UTILMD	2.0	Ove Nesvik
01-10-2011	Updated in accordance with RSM document	3.0	Christian Odgaard
11-10-2011	<ul style="list-style-type: none"> • Update of class diagram • Error Corrections 	3.0	Ove Nesvik

2. Introduction and general principles

This document is an Implementation Guide (IG) for the Utility master data message, to be used in the energy industry. The IG describes the EDIFACT-message UTILMD (Utility master data message) in detail. The message is sent between parties in the energy industry. The message can be used for submission of master data regarding metering points, e.g. when the consumer changes the supplier.

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 UTILMD*, 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 UTILMD message

3.1. Functional Definition

The Utilities master data message is sent between responsible parties in a utilities infrastructure for the purpose of exchanging characteristics of objects and services. In addition the Utilities master data message may be used to request information.

A party in a utilities infrastructure can for example be a net owner, a supplier, a balance responsible or a transmission system operator.

3.2. Field of application

The Utilities master data 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 master data message is used for exchanging characteristics of objects and services in the specified field, normally used for updating data bases with administrative and technical information of long validity, such as information concerning customers, partners and installations. The information may be of technical or administrative character, such as characteristics of a meter, tariffs, suppliers etc.

In addition the Utilities master data message may be used to request information.

Each set of master data can be identified according to its nature, e.g. by a metering point identification or a location identification. The message may be an initial message and does not require a response.

Examples of use are:

- Information regarding change of supplier, such as: Request for end user information.
- Information regarding the characteristics of an end user.
- Information about change of supplier.
- Information of contract termination from an end user.
- Exchange of changes in characteristics of objects or services between parties in a utilities infrastructure.
- Change of identity of an object.
- Change of components or characteristics of components, such as change of a meter.

3.4. Message terms and definitions

Master data:

Data used as a reference when routine transactions are being processed. Master data will normally be exchanged or updated infrequently relative to the transaction data depending upon it. It will normally contain information of long validity.

Object:

The entity (component or logical entity) that is being reported in the detailed section of the message.

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 model for Customer switching in the energy market, 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 UTILMD

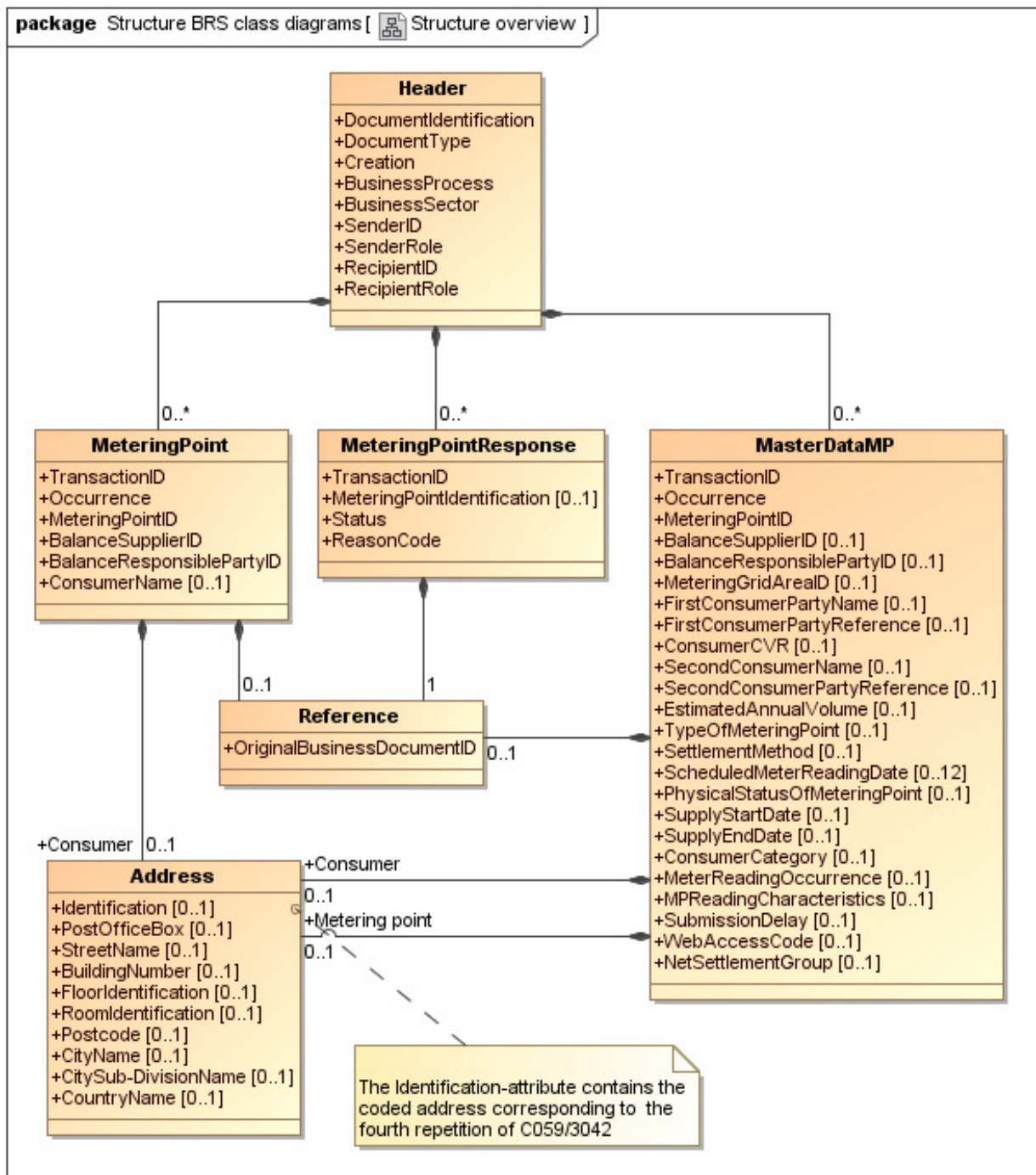


Figure 1: Common data model for UTILMD

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
	DTM	M	9	Creation Time zone (EDIFACT requirement)
	MKS	C	9	Business sector
	FTX	C	9	Not used
	TSR	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
	FII	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
	Business document (message details)			
	SG 4	R	99999	
	IDE	M	1	Transaction ID
	LIN	C	1	Not used
	PIA	C	9	Not used
	IMD	C	9	Not used
	DTM	C	99	Occurrence Start of occurrence End of occurrence Scheduled meter reading date Submission Delay
	PRC	C	9	Not used
	STS	C	9	Business process Status Reason code Reason text
	TAX	C	9	Not used
	PTY	C	9	Not used
	FTX	C	9	Not used
	AGR	C	9	Not used
	INP	C	9	Not used
	TSR	C	9	Not used
	Locations			
	SG 5	C	999999	

LOC	R	4	Metering point ID Metering grid area ID
HYN	C	9	Not used
References			
SG 6	C	99	
RFF	M	1	Original business document ID
DTM	C	9	Not used
Characteristics			
SG 7	C	99	
CCI	M	1	Type of characteristic
CAV	C	99	Type of metering point MPReadingCharacteristics Settlement method Physical status for metering point Consumer Category Meter Reading Occurrence Web Access Code Net settlement group
Meter/register			
SG 8	C	99999	
SEQ	M	1	
RFF	C	9	Not used
PIA	C	9	Not used
Quantities			
SG 9	C	99	
QTY	M	1	Estimated annual volume
DTM	C	9	Not used
STS	C	9	Not used
LIN	C	9	Not used

Characteristics				
SG 10	C	99		
CCI	M	1	Not used	
CAV	C	99	Not used	
Amounts				
SG 11	C	99	Not used	
MOA	M	1	Not used	
RFF	C	9	Not used	
DTM	C	9	Not used	
Parties connected to object				
SG 12	C	99		
NAD	M	1	Balance supplier ID	
			Balance responsible party ID	
			Metering point address:	
			<ul style="list-style-type: none"> • Identification • Post office box • Street name • Building number • Floor identification • Room identification • Postcode • City name • Country name 	
			Consumer party Reference or CVR	
			Consumer party name	
			Consumer address:	
			<ul style="list-style-type: none"> • Identification • Post office box • Street name • Building number • Floor identification • Room identification • Postcode • City name • Country name 	
			Second consumer Reference	
			Second consumer name	
RFF	C	9	Not used	
DTM	C	9	Not used	
FII	C	9	Not used	
LAN	C	9	Not used	

Contact information				
		SG 13	C	9
		CTA	M	1 Not used
		COM	C	9 Not used
Message trailer				
		CNT	C	9 Not used
		UNT	M	1 Message trailer

9. Mapping table for UTILMD

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	'UTILMD'	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+UTILMD:D:09B:UN:E5DK03'				
SG 0 BGM Occurrence 1	C002 1001	392	Request change of supplier	EDIFACT- or Ediel-code for the identification of the message in relation to the actual business transaction.	Document Type
		E44	Notification from the Metering point administrator		
		414	Confirmation of start of supply		
		432	Notification to grid operator of contract termination		
		E07	Master data, metering point		
		E10	Request for Master data, Metering point		
	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		Not used			
C106 1060		Not used			
1225		Not used			
4343		Not used			
Example	BGM+392+SPH1234' BGM+E07::260+SPH1235'				

Segment	* Data Element		Description	Attribute
	Identification	Content		
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'			
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	E01 Structuring phase		
	C332 1131	Not used		
	C332 3055	260 ebIX		
	1229	Not used		
Example	MKS+23+E01::260'			
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.	Recipient Role
	C955 9021	DDK Balance responsible party DDQ Balance supplier		

Segment	* Data Element		Description	Attribute
	Identification	Content		
		DDZ Metering point administrator		
		DDM Grid access provider		
	C955 1131	Not used		
	C955 3055	Not used		
	C955 9020	Not used		
	Rest of segment	Not used		
Example	ATT+25+DDQ'			

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	Senders'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.	Sender Role
	C955 9021	DDK Balance responsible party DDQ Balance supplier DDZ Metering point administrator DDM Grid access provider		
	C955 1131	Not used		
	C955 3055	Not used		
	C955 9020	Not used		
Rest of segment	Not used			
Example	ATT+25+DDZ'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 4 IDE Occurrence 1	7495	24 Transaction	The sender's unique identification of the transaction. Can be e.g. "Message id" and line number. Is used as reference when answering.	Identification
	C206 7402	Unique transaction id		
	C206 7405	Not used		
	C206 4405	Not used		
	Rest of segment	Not used		
Example	IDE+24+DK3245R14'			
SG 4 DTM Occurrence 1	C507 2005	157 Validity start date	Date and time in UTC format for when the process referenced is valid, e.g. start or end of supply date	Occurrence
	C507 2380	Date		
	C507 2379	203 Format CCYYMMDDHHMM		
Example	DTM+157+201005300000:203'			
SG 4 DTM Occurrence 0..1	C507 2005	92 Contract start date	Date and time in UTC format for start of supply. Date must be stated as start of a local day where there will be supply, e.g. 201001312300 (winter time) or 201003312200 (summer time).	Start of occurrence
	C507 2380	Date		
	C507 2379	203 Format CCYYMMDDHHMM		
Example	DTM+92+201005300000:203'			
SG 4 DTM Occurrence 0..1	C507 2005	93 Contract stop date	Date and time in UTC format for stop of supply. Date must be stated as start of a local day where there will be supply, e.g. 201001312300 (winter time) or 201003312200 (summer time).	End of occurrence
	C507 2380	Date		
	C507 2379	203 Format CCYYMMDDHHMM		
Example	DTM+93+201005300000:203'			
SG 4 DTM Occurrence 0..12	C507 2005	752 Meter reading date, next scheduled	List of days in the year when the periodical meter reading will take place for the profiled settled metering point. Repeated for every meter reading date in the year. If done at the end of a month, the first date in the next month is used. For metering points that are not read, it is the date when consumption is calculated. Not mentioned for time-series settled metering point. The date is in local time, must not be changed by receiving system.	Scheduled Meter Reading Date
	C507 2380	Date		
	C507 2379	106 Format MMDD		
Example	DTM+752+0501:106'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 4 DTM Occurrence 0..1	C507 2005	532 Average delivery delay	The number of days delay from actual meter reading until metered data are distributed	Submission Delay
	C507 2380	Number of days delay		
	C507 2379	804 Day (To indicate a quantity of days)		
Example	DTM+532+21:804'			

Segment	* Data Element		Description	Attribute	
	Identification	Content			
SG 4 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	E01 Move; change of party connected to the grid E02 New metering point E03 Change of balance supplier E05 Cancellation of transaction E06 Unrequested change of balance supplier E0G DataAlignment E20 End of supply E32 Update of master data, metering point E34 Update master data consumer E53 Meter reading on demand E65 Consumer move-in E66 Consumer move-out E75 Change of metering method E79 Change Connection status D07 Rollback of Change-of-supplier	The reason for exchange of the information (transaction) for the concerned metering point. Note that E05 can be used only for cancellation of an already sent message 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 4 STS Occurrence 0..1	C601 9015	E01 Answer		
	C601 1131	Not used		
	C601 3055	260 ebIX		
	C555 4405	39 Approved 41 Rejected	The status for a response to a previous transaction, i.e. approved or rejected	Status
	C555 1131	Not used		
	C555 3055	Not used		
	C555 4404	Not used		
	C556 9013	D02 General error D03 Missing consumer name or address D05 Metering point ID does not match the one from the original document D06 Reference to transaction ID does not match the one from the original document D07 Ongoing move process D08 Balance supplier does not match the current Balance supplier D13 DataHub internal error E10 Installation address or metering point not identifiable E16 Unauthorised supplier E17 Requested switch date not within time limits E18 Unauthorised Balance responsible / E22 Metering point blocked for switching E59 Already existing relation (rejection)	The reason for an answer, used to describe an error code if <i>Status</i> = 41 (rejected). Not used if <i>Status</i> = 39 Approved	Reason Code
	C556 1131	DK Danish ebIX Group		
	C556 3055	260 ebIX		
C556 9012	Reason text (optional) Not used	An optional textual description of the <i>Reason code</i> above. The format of the text is an..256	Reason Text	
Rest of segment	Not used			
Example	STS+E01::260+39' STS+E01::260+41+E10::260'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 5 LOC Occurrence 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: 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 ID
	C517 1131	DK Danish ebIX Group		
	C517 3055	260 ebIX		
	C517 3224	Not used		
Rest of segment	Not used			
Example	LOC+231+003:DK:260'			
SG 6 RFF Occurrence 0..1	C506 1153	TN Reference to transaction id	Reference to a received transaction id.	Original Business Document ID
	C506 1154	Transaction id		
	C506 1156	Not used		
	C506 1056	Not used		
	C5061060	Not used		
Example	RFF+TN+DK3245R13'			

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. 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.	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 E18 Production E20 Exchange D01 VE production D02 Technical D03 Own production					
	C889 1131	DK Danish ebIX code					
	C889 3055	260 ebIX					
	C889 7110	Not used					
	C889 7110	Not used					
	Example						
		CCI+++E12::260'					
		CAV+E17::260'					
SG 7 CCI Occurrence 0..1	7059	Not used	The method used for transmission of metered data from the meter to the metered data collector, such as automatic or manually.	MPReading Characteristics			
	C502 6313	Not used					
	C502 6321	Not used					
	C502 6155	Not used					
	C502 6154	Not used					
	C240 7037	D04 MP Reading Characteristics					
	C240 1131	DK Danish ebIX Group					
	C240 3055	260 ebIX					
	C240 7036	Not used					
C240 7036	Not used						
4051	Not used						

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 7 CAV Occurrence 0..1	C889 7111	D01 Automatic meter reading D02 Manual meter reading		
	C889 1131	DK Danish ebIX Group		
	C889 3055	260 ebIX		
	C889 7110	Not used		
	C889 7110	Not used		
Example	CCI+++D04:DK:260' CAV+D02:DK:260'			
SG 7 CCI Occurrence 0..1	7059	Not used	The method 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		
Example	CCI+++E02::260' CAV+E01::260'			
SG 7 CCI Occurrence 0..1	7059	Not used	The physical status of the metering point, such as connected (active) or disconnected (inactive).	
	C502 6313	Not used		
	C502 6321	Not used		
	C502 6155	Not used		
	C502 6154	Not used		
	C240 7037	E15 Physical status for metering point		
	C240 1131	Not used		
	C240 3055	260 ebIX		
	C240 7036	Not used		
	C240 7036	Not used		

Segment	* Data Element		Description	Attribute
	Identification	Content		
	4051	Not used		

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 7 CAV Occurrence 0..1	C889 7111	E22 Connected E23 Disconnected D01 Inactive D02 Closed down D03 New	Code list responsible <i>260 ebIX</i> is used together with <i>Enn</i> codes in C889 7111. When codes beginning with "D" are used in C556 9013, ' <i>DK Danish ebIX Group</i> ' must be stated as the code list identification code in C556 1131, otherwise not used.	Physical Status Of Metering Point
	C889 1131	DK Danish ebIX Group		
	C889 3055	260 ebIX		
	C889 7110	Not used		
	C889 7110	Not used		
Example	CCI+++E15::260' CAV+D02:DK:260'			
SG 7 CCI Occurrence 0..1	7059	Not used	The consumer category, i.e. DE branchekode.	
	C502 6313	Not used		
	C502 6321	Not used		
	C502 6155	Not used		
	C502 6154	Not used		
	C240 7037	D01 Consumer Category		
	C240 1131	DK Danish ebIX Group		
	C240 3055	260 ebIX		
	C240 7036	Not used		
C240 7036	Not used			
4051	Not used			
SG 7 CAV Occurrence 0..1	C889 7111	Not used		Consumer-Category
	C889 1131	Not used		
	C889 3055	Not used		
	C889 7110	The Consumer Category (DE branchekode)		
	C889 7110	Not used		
Example	CCI+++D01:DK:260' CAV+:::234'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 7 CCI Occurrence 0..1	7059	Not used	A code for how often a meter is read by the Metered data collector	
	C502 6313	Not used		
	C502 6321	Not used		
	C502 6155	Not used		
	C502 6154	Not used		
	C240 7037	D02 Meter reading Occurrence		
	C240 1131	DK Danish ebIX Group		
	C240 3055	260 ebIX		
	C240 7036	Not used		
C240 7036	Not used			
4051	Not used			
SG 7 CAV Occurrence 0..1	C889 7111	-Not used		Meter Reading Occurrence
	C889 1131	DK Danish ebIX codes		
	C889 3055	260 ebIX		
	C889 7110	PnYnMnDTnHnMnS, e.g. PT15M (15 minutes) PT1H (one hour) P1D (one day) P1M (one month) P1Y (one year) Not used		
	C889 7110	Not used		
Example	CCI+++D02:DK:260' CAV+ PT1H:DK:260'			
SG 7 CCI Occurrence 0..1	7059	Not used	The <i>Web access code</i> used for identification of the consumer when the consumer logs on to the Metering point information data base.	
	C502 6313	Not used		
	C502 6321	Not used		
	C502 6155	Not used		
	C502 6154	Not used		
	C240 7037	D03 Web access code		
	C240 1131	DK Danish ebIX Group		
	C240 3055	260 ebIX		
	C240 7036	Not used		
C240 7036	Not used			
4051	Not used			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 7 CAV Occurrence 0..1	C889 7111	Not used		Web Access Code
	C889 1131	Not used		
	C889 3055	Not used		
	C889 7110	Web access code		
	C889 7110	Not used		
Example	CCI+++D03:DK:260' CAV+:::QWERTY'			
SG 7 CCI Occurrence 0..1	7059	Not used		
	C502 6313	Not used		
	C502 6321	Not used		
	C502 6155	Not used		
	C502 6154	Not used		
	C240 7037	D05 Net Settlement Group		
	C240 1131	DK Danish ebIX Group		
	C240 3055	260 ebIX		
	C240 7036	Not used		
	C240 7036	Not used		
4051	Not used			
SG 7 CAV Occurrence 0..1	C889 7111	Not used	The <i>Net settlement group</i> of the Metering point. The <i>Net settlement group</i> is given as a numeric code in the range from 0 to 7, where 0 indicates Metering points that are NOT net settled.	Net Settlement Group
	C889 1131	Not used		
	C889 3055	Not used		
	C889 7110	Net settlement group		
	C889 7110	Not used		
Example	CCI+++D05:DK:260' CAV+:::0'			
SG 8 SEQ Occurrence 0..1	1229	Not used	Not specified in the dependency matrix, but must be included in the message if SG9/QTY is used	
	C286 1050	1 Register number		
	C286 1159	Not used		
	C286 1131	Not used		
	C286 3055	Not used		
Example	SEQ++1'			
SG 9 QTY Occurrence 0..1	C186 6063	31 Estimated annual volume	Annual volume for the last year or the expected annual volume if it is believed to change. Stated in kWh without decimals.	Estimated annual volume
	C186 6060	Quantity		
	C186 6411	'KWH Kilowatt-hour		
Example	QTY+31:2340:KWH'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 12 NAD Occurrence 0..1	3035	DDQ Balance supplier (Balance power supplier)		
	C082 3039	Balance supplier ID	The party id of the Balance Supplier for the metering point. 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+098765432109809876::305'			
SG 12 NAD Occurrence 0..1	3035	DDK Balance responsible party		
	C082 3039	Balance responsible ID	The party id of the Balance Responsible Party for the metering point. 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'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 12 NAD Occurrence 0..1	3035	IT Metering point address (Installation on site)		
	C082 3039	Not used		
	C082 1131	Not used		
	C082 3055	Not used		
	C058 3124	Not used		
	C058 3124	Not used		
	C058 3124	Not used		
	C058 3124	Not used		
	C058 3124	Not used		
	C080 3036	Not used		
	C080 3036	Not used		
	C080 3036	Not used		
	C080 3036	Not used		
	C080 3036	Not used		
	C080 3045	Not used		
	C059 3042	Street name line 1	Address for a metering point. Specified as the name of the street in up to two data elements and the street number including house number, floor, direction and door number. Note, it is normally not used to include local City names. PostBoxOffice is not used for Metering point address In the fourth repetition of C059/3042 it is possible to state coded address configured as address codes from the CPR register separated by semicolon as follows: Municipality code; (n4) Street code; (n4) House number; (an6) Floor; (an4) Direction/door number; (an4) Country code must be stated as two letter ISO 3166 country code.	Metering point address
	C059 3042	Street name line 2		
	C059 3042	House number		
	C059 3042	Coded address		
	3164	City name, (e.g. Fredericia)		
C819 3229	Not used			
C819 1131	Not used			
C819 3055	Not used			
C819 3228	Not used			
3251	Post code (Postnummer, e.g. 7000)			
3207	DK (Country)			
Example	NAD+IT++++Christian X alle.:5, 3. th.:;2345;234;5;3;th+Fredericia++7000+DK'			

Segment	* Data Element		Description	Attribute
	Identification	Content		
SG 12 NAD Occurrence 0..1	3035	UD Consumer, address for correspondence (Ultimate customer)		
	C082 3039	Consumer Reference or CVR		Consumer Party Reference or CVR
	C082 1131	Not used		
	C082 3055	1 Date of birth (Consumer ID) DK Ministry of taxation, Central Customs and Tax Administration (Consumer CVR)		
	C058 3124	Not used		
	C058 3124	Not used		
	C058 3124	Not used		
	C058 3124	Not used		
	C058 3124	Not used		
	C080 3036	Consumer party name 1	Name of the consumer	Consumer Party Name
	C080 3036	Not		
	C080 3036	Not used		
	C080 3036	Not used		
	C080 3036	Not used		
	C080 3045	Not used		
	C059 3042	Street name line 1	Address for the consumer for correspondence. Specified as the name of the street in up to two data elements and the street number including house number, floor, direction and door number. Note, that the Street name line2 can be used for either CitySub-DivisionName or PostOfficeBox in exchange of customer address information if applicable.	Consumer address
	C059 3042	Street name line 2		
	C059 3042	House number		
	C059 3042	Coded address		
	3164	City name, (e.g. Fredericia)		
C819 3229	Not used			
C819 1131	Not used			
C819 3055	Not used			
C819 3228	Not used			
3251	Post code (Postnummer, e.g. 7000)	In the fourth repetition of C059/3042 it is possible to		

Segment	* Data Element		Description	Attribute
	Identification	Content		
	3207	DK (Country)	state coded address configured as address codes from the CPR register separated by semicolon as follows: Municipality code; (n4) Street code; (n4) House number; (an6) Floor; (an4) Direction/door number; (an4) Country code must be stated as two letter ISO 3166 country code.	
Example	NAD+UD+123456789::DK++Elpatron A/S' (if company) NAD+UD+123456789::DK++Elpatron A/S+Christian X alle::5, 3. th.: 2345;234;5;3;th;+Fredericia++7000+DK (with address)			
SG 12 NAD Occurrence 0..1	3035	P2 Second consumer (Contact party 2)		
	C082 3039	Second consumer Reference		Second Consumer party Reference
	C082 1131	Not used		
	C082 3055	1 Date of birth (Consumer ID)		
	C058 3124	Not used		
	C058 3124	Not used		
	C058 3124	Not used		
	C058 3124	Not used		
	C058 3124	Not used		
	C080 3036	Second Consumer party name	If a second consumer is registered, the name of this person can either be a part of the party name or be an independent name.	Second Consumer Party Name
C080 3036	Not used			
C080 3036	Not used			
C080 3036	Not used			
C080 3036	Not used			
C080 3045	Not used			
Rest of segment	Not used			
Example	NAD+P2+040658::1++Hans Hansen'			
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	