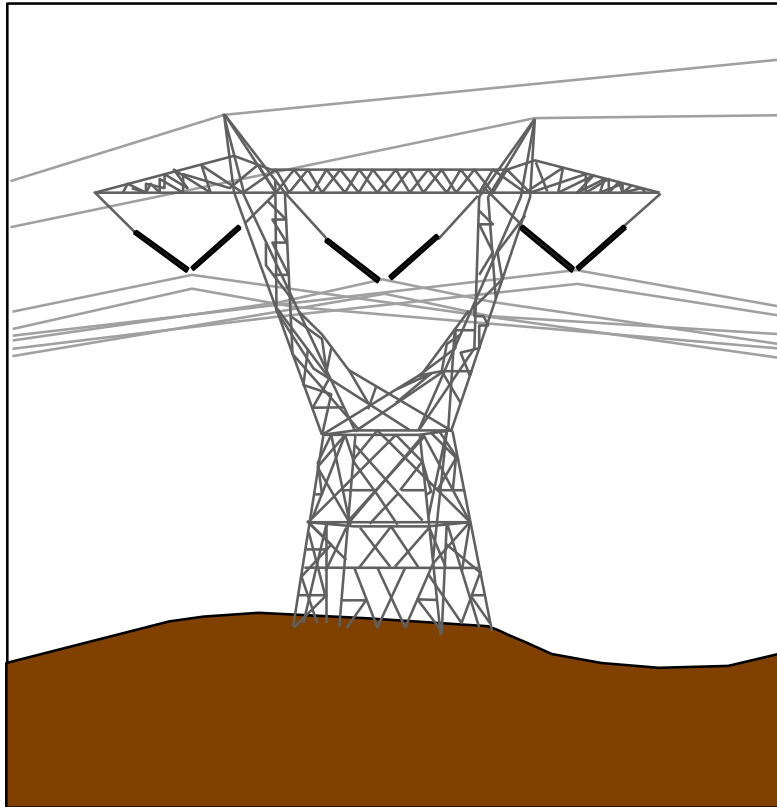


Message handbook for ebIX

Implementation guide for UTILITY MASTER DATA MESSAGE



EDIFACT-message:	UTILMD
EDIFACT-version:	D
EDIFACT-release:	02B
IG-status:	Working draft - Not for implementation
IG-version:	Planned as 5.0
IG-revision:	Planned as A
IG-date:	March 24 th , 2003

C O N T E N T

1	INTRODUCTION	3
1.1	REQUIREMENTS FOR THE CHANGE OF SUPPLIER	3
1.2	PRELIMINARY REMARKS ON THE EXCHANGE OF DATA WHEN CHANGING THE SUPPLIER	3
2	GENERAL DESCRIPTION OF THE UTILMD MESSAGE	4
2.1	FUNCTIONAL DEFINITION	4
2.2	PRINCIPLES	4
3	REFERENCES	5
3.1	PRECEDENCE	5
4	QUALITY ASSURANCE	6
4.1	VERSION NUMBER	6
4.2	CODED VALUES	6
4.3	CORRECTIONS FROM EARLIER VERSIONS	6
5	SPECIAL CONDITIONS	7
6	OVERVIEW OF THE MESSAGE	8
6.1	CLASS DIAGRAM FOR THE UTILITY MASTER DATA MESSAGE	8
6.2	CUE LIST	9
6.3	MESSAGE DIAGRAM	12
6.4	SEGMENT TABLE	13
7	DETAILED DESCRIPTION OF THE MESSAGE	15
9	EAN (INTERNATIONAL ARTICLE NUMBERING ASSOCIATION)	35
	APPENDIX A - EXAMPLE OF AN EDIFACT MESSAGE	62

1 INTRODUCTION

This document is an Implementation Guide (IG) for the Utility master data message, to be used in the power industry. The IG describes the EDIFACT-message UTILMD (Utility master data message) in detail. The message is sent between parties in the power industry. The message can be used for:

- Submission of master data regarding metering points, e.g. when the consumer changes the supplier.

This IG is a part of the "Message handbook for ebIX", which contains a set of IG's for different messages used in the power industry and a functional description, which contains common descriptions for the different IG's.

The Functional description contains common descriptions for the different Implementation Guides. This includes relationships between the different message types, use of codes and code lists, special conditions within and between countries (such as use of time zones), terms and notation, use of header and trailer segments (UNB and UNZ), etc.

The objective of this document is to achieve harmonisation within the European power industry. Since rules and legislation differs between the countries the following rules have been followed during the development of the IG:

- Each country has to make a national user guide with national rules and requirements.
- The process description about the change of supplier (process chart) is applicable independent of load profile procedures in use (analytical or synthetical methods).
- The present document does not give any indication about the period of time during which the change of a supplier has to be effected by the parties concerned. No information is given about the retention of the supply contract in the event of moving-out, the dunning system (reminders), the stopping of supply, current accounts, insolvency, questions of liability, data clearing, new connections or fixed-term connections.
- The present description reflects the current state of discussions in the project group.

1.1 Requirements for the change of supplier

Usually, the consumer triggers the change of supplier. The consumer concludes a supply contract with the new Balance supplier, asking at the same time to conclude the necessary grid connection and grid usage agreements. If required, the consumer needs to authorize the Balance supplier to do so. Of course, the consumer himself can give notice to his former Balance supplier or conclude a grid usage agreement with the Metering point administrator. Prior to the conclusion of a new supply contract, the consumer is obliged to verify whether the previous supply contract can be terminated with the given notice (as per end of month). If the consumer does not do so, he risks concluding two supply contracts at a time – unintentionally. Costs arising from the required cancellation in compliance with the usual term of balance assignments have to be borne by the responsible party.

1.2 Preliminary remarks on the exchange of data when changing the supplier

To enable a change of supplier in a cost-saving, easy and effective manner, an ebIX project groups is developing EDIFACT standard for data exchange: The message type UTILMD is used for exchanging master data, the message type MSCONS/UTILTS is applied to exchange metered values. The grid companies are recommended to adjust their requirements to this standard. The standard refers to both the settlement of consumers with profile based metering or continuous metering. This way, not all the fields are relevant to load profile customers.

2 GENERAL DESCRIPTION OF THE UTILMD MESSAGE

2.1 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.

2.2 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 metering point identification or 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 components or characteristics of components, such as change of a meter.

3 REFERENCES

This Implementation guide is based on the following documents.

- [1] **UN/EDIFACT directory, D.01C**
- [2] **Message handbook for ebIX, Functional description**
- [3] **ISO 9735**, version 2, 1990.11.01
- [4] **ebIX model for Change of Supplier in the electricity power market**

The documents can be found on:

<http://www.unece.org/trade/untdid/>
<http://www.ediel.org>

3.1 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 Draft directory, D.01C [1]
- 2 The Functional description [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.

4 QUALITY ASSURANCE

This document is written by EdiSys AS on behalf of ebIX. Members of the ebIX-organisation have taken part in its development throughout.

The present document has the following status:

Request For Comments - Not for implementation

4.1 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.

4.2 Coded values

The following principles are used for codes and qualifiers:

- For those codes that seem to be stable over time it will be sent change requests (DMRs) to EDIFACT. These codes will in the current IG have a leading Z.
- For those codes used in date elements not maintained in the EDIFACT code list and for more uncertain codes, ebIX will maintain the code list. These codes will in the IG have a leading E.

4.3 Corrections from earlier versions

In addition to minor text corrections the following changes has been made to this version of the IG:

This is the first Implementation Guide for UTILMD with the status “For implementation”.

5 SPECIAL CONDITIONS

None.

6 OVERVIEW OF THE MESSAGE

6.1 Class diagram for the Utility master data message

The following class diagram is under discussion in the Customer switching project.

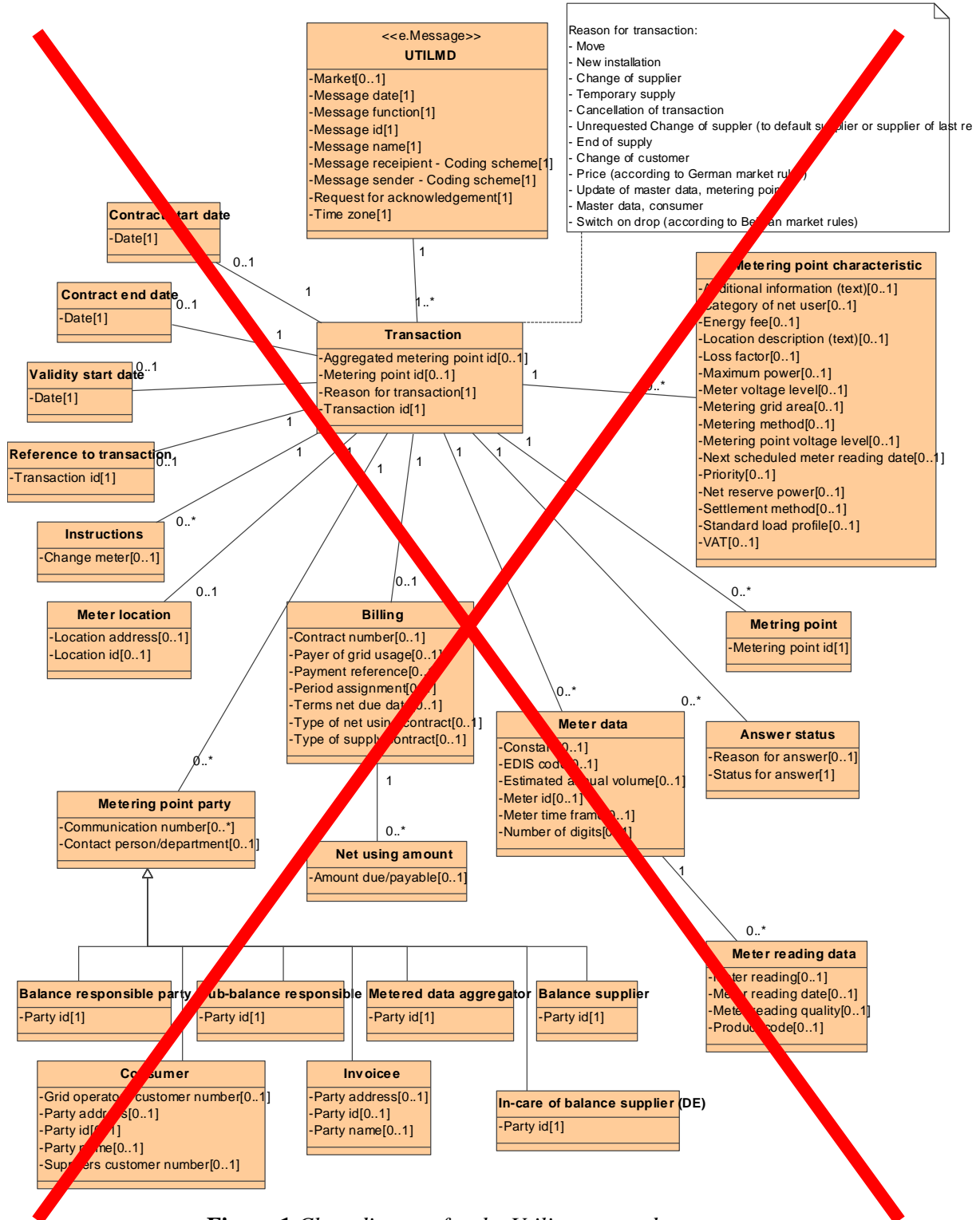


Figure 1 Class diagram for the Utility master data message

6.2 Cue list

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

Message header				
	UNH	M	1	Message reference Message type
	BGM	M	1	Message name Message Id. Message function Request for acknowledgement
	DTM	M	2	Message date Time zone
	MKS	O	1	Business domain (Market) Business area
References	FTX	C	9	Not used
	SG 1	C	9	Not used
	RFF	M	1	Not used
	DTM	C	9	Not used
Message parties				
	SG 2	R	2	
	NAD	M	1	Message recipient – Coding scheme Message sender – Coding scheme
	RFF	C	1	Not used
	FII	C	1	Not used
	Contact information			
	SG 3	C	9	
	CTA	M	1	Not used
	COM	C	9	Not used
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	O	99	Contract start date Contract end date Next scheduled meter reading date Validity start date
	PRC	C	9	Not used
	STS	O	2	Reason for transaction Status for answer Reason for answer
	TAX	O	2	VAT Energy fee - Tax/fee percentage - Tax/fee category
	PTY	O	1	Priority

FTX	O	2	Location description (According to German market rules) Additional information (According to German market rules)
AGR	O	3	Grid connection contract Power supply contract (According to German market rules) Payment of net usage agreement (According to German market rules)
INP	O	2	Meter reading instruction Meter change instruction (According to German market rules)
References			
SG 5	R	3	
LOC	R	3	Metering point id Metering grid area id
HYN	C	9	Not used
References			
SG 6	O	3	
RFF	M	1	Meter id Reference to transaction id Contract number (According to German market rules)
DTM	C	9	Not used
Characteristics			
SG 7	O	11	
CCI	M	1	Type of characteristic
CAV	R	1	Standard Load Profile Settlement method Metering point voltage level (According to German market rules) Meter voltage level (According to German market rules) Metering method Loss factor (According to Belgian market rules) Category of net user (According to Belgian market rules) Type of metering point Switch category Physical status for metering point Pressure
Meter/register			
SG 8	O	99	
SEQ	M	1	Sequence number
RFF	O	2	Meter id Register id
PIA	O	1	Product or service id
Quantities			
SG 9	O	3	
QTY	M	1	Estimated annual volume Meter reading Maximum requestable quantity (Maximum power) Net reserve power (According to German market rules)
DTM	O	1	Latest meter reading date

		STS	O	1	Capacity type
		LIN	C	9	Not used
		Characteristics			
		SG 10	O	4	
		CCI	M	1	Type of characteristic
		CAV	R	1	Constant
					Number of digits
					Meter timeframe
					Loss factor (According to Belgian market rules)
					Type of meter (According to Belgian market rules)
		Amounts			
		SG 11	O	1	
		MOA	M	1	Amount due/payable (According to German market rules)
		RFF	O	1	Payment reference (According to German market rules)
		DTM	O	2	Terms net du date (According to German market rules)
					Period assigned (According to German market rules)
		Parties connected to object			
		SG 12	O	10	
		NAD	M	1	In-care of balance supplier (According to German market rules)
					Metered data aggregator
					Metered data collector
					Balance responsible party
					Balance supplier
					Metering point address
					Invoicee.
					Consumer
					Sub-balance responsible (According to German market rules)
					Transport capacity responsible party
		RFF	O	3	Grid operators customer number (According to German market rules)
					Suppliers customer number (According to German market rules)
					VAT registration number
		DTM	O	9	Not used
		FII	O	9	Not used
		LAN	O	1	Language
		Contact information			
		SG 13	O	1	
		CTA	M	1	Contact person
		COM	O	5	Telephone, fax, e-mail
		Message trailer			
		CNT	O	1	Not used
		UNT	M	1	Message trailer

As a minimum, the segment groups (with corresponding segments) marked with R or M have to be used in every message.

6.3 Message diagram

The Message diagram below shows the subset of the standard EDIFACT message that is used in this IG. The segments and segment groups in grey are not used in this subset.

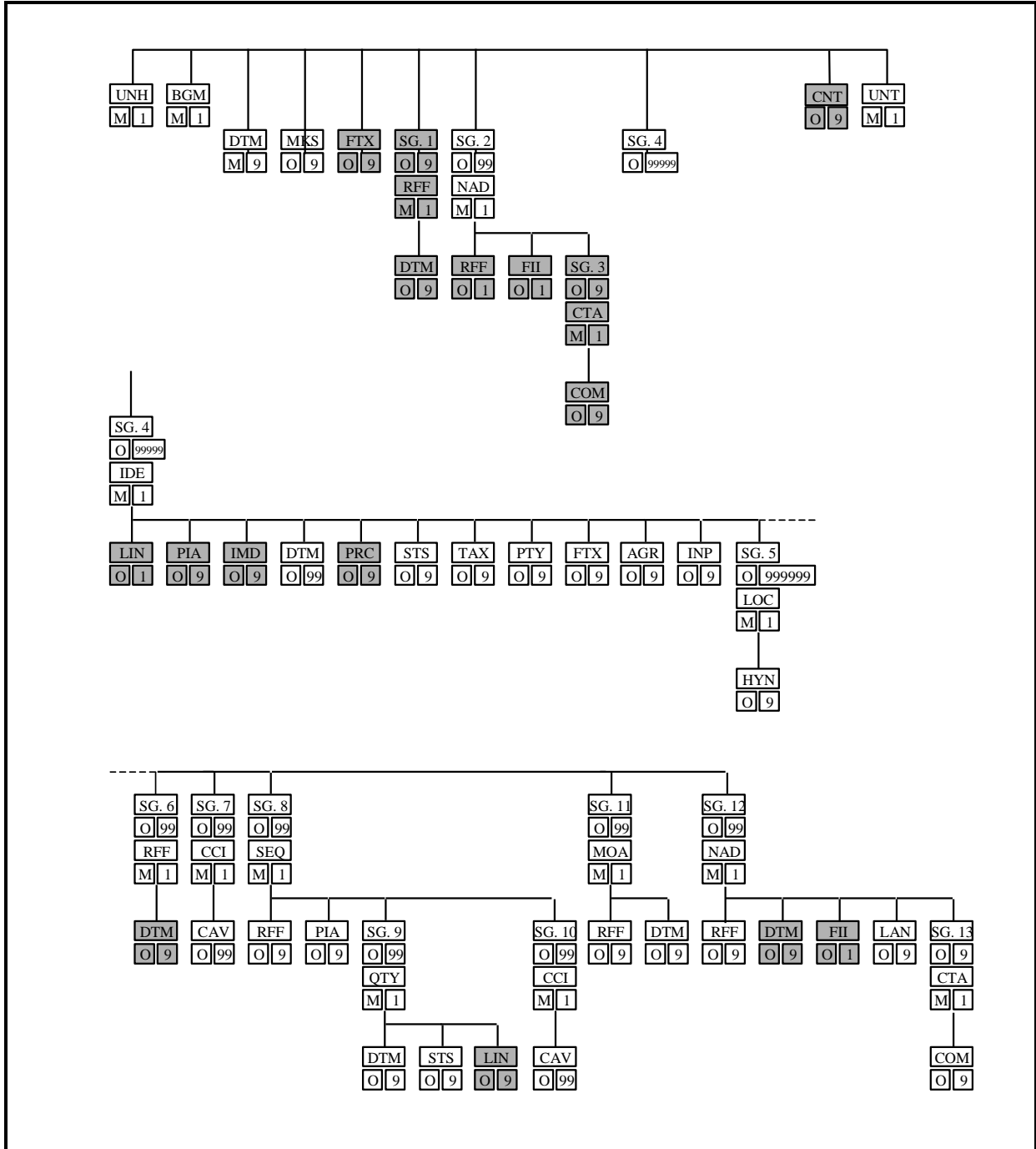


Figure 2 Message diagram for Utility master data message

6.4 Segment table

In this chapter the segment table for the Utility master data message (UTILMD) is shown by the way it is described in version D, release 01C of the EDIFACT directory. The segments and segment groups that are used in this IG are shown in bold type.

Pos	Tag Name	S	R
0010	UNH Message header	M	1
0020	BGM Beginning of message	M	1
0030	DTM Date/time/period	M	9
0040	MKS Market/sales channel information	C	9
0050	FTX Free text	C	9
0060	----- Segment group 1 -----	C	9-----+
0070	RFF Reference	M	1
0080	DTM Date/time/period	C	9-----+
0090	----- Segment group 2 -----	C	99-----+
0100	NAD Name and address	M	1
0110	RFF Reference	C	1
0120	FII Financial institution information	C	1
0130	----- Segment group 3 -----	C	9-----+
0140	CTA Contact information	M	1
0150	COM Communication contact	C	9-----+
0160	----- Segment group 4 -----	C	99999 -----+
0170	IDE Identity	M	1
0180	LIN Line item	C	1
0190	PIA Additional product id	C	9
0200	IMD Item description	C	9
0210	DTM Date/time/period	C	99
0220	PRC Process identification	C	9
0230	STS Status	C	9
0240	TAX Duty/tax/fee details	C	9
0250	PTY Priority	C	9
0260	FTX Free text	C	9
0270	AGR Agreement identification	C	9
0280	INP Parties and instruction	C	9
0290	----- Segment group 5 -----	C	999999 -----+
0300	LOC Place/location identification	M	1
0310	HYN Hierarchy information	C	9-----+
0320	----- Segment group 6 -----	C	99 -----+
0330	RFF Reference	M	1
0340	DTM Date/time/period	C	9-----+
0350	----- Segment group 7 -----	C	99 -----+
0360	CCI Characteristic/class id	M	1
0370	CAV Characteristic value	C	99 -----+
0380	----- Segment group 8 -----	C	99 -----+
0390	SEQ Sequence details	M	1
0400	RFF Reference	C	9
0410	PIA Additional product id	C	9
0420	----- Segment group 9 -----	C	99 -----+
0430	QTY Quantity	M	1
0440	DTM Date/time/period	C	9
0450	STS Status	C	9

0460	+ LIN Line item	C	9-----+
0470	----- Segment group 10 -----	C	99-----+
0480	CCI Characteristic/class id	M	1
0490	CAV Characteristic value	C	99-----++
0500	----- Segment group 11 -----	C	99-----+
0510	MOA Monetary amount	M	1
0520	RFF Reference	C	9
0530	DTM Date/time/period	C	9-----+
0540	----- Segment group 12 -----	C	99-----+
0550	NAD Name and address	M	1
0560	RFF Reference	C	9
0570	DTM Date/time/period	C	9
0580	FII Financial institution information	C	1
0590	LAN Language	C	9
0600	----- Segment group 13 -----	C	9-----+
0610	CTA Contact information	M	1
0620	COM Communication contact	C	9-----+++
0630	CNT Control total	C	9
0640	UNT Message trailer	M	1

7 DETAILED DESCRIPTION OF THE MESSAGE

In this chapter all segments and segment groups are specified in detail. In the left column you will find a list of the attributes used.

The EDIFACT segments listed are copies of those defined in the original UN/EDIFACT directory except for data elements defined as conditional (C) which are redefined using the classification described in the Functional Description [2].

Note: In the comments in the detailed section it is partly stated if the element only is used in one or two countries. This information should not be regarded as final. The correct list of elements used in each country should be found in national documentation.



MESSAGE: UTILMD

SG 0

Function: 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.

Segments: UNH, BGM, DTM, SG 2, SG 4

UNH Message header
Function: A service segment starting and uniquely identifying a message.
Classification: Mandatory (M1).
Comments:
Example: UNH+1+UTILMD:D:02B:UN:EDIEL5'

Message-reference

Ref.	Name	Cl.	Form.	Description
> 0062	MESSAGE REFERENCE NUMBER	M	an..14	The message reference uniquely identifies the message in the interchange. Typically by using a sequence number that identifies each message in the interchange. The first message will have reference number. 1, the second message will have reference number 2, etc. The reference can be set to 1 in the first message of the next interchange.
> S009	MESSAGE IDENTIFIER	M		
0065	Message type identifier	M	an..6	Code: UTILMD
0052	Message type version number	M	an..3	Code: D
0054	Message type release number	M	an..3	Code: 02B
0051	Controlling agency	M	an..2	Code: UN
0057	Association assigned code	R	an..6	Code: EDIEL5 / E5xxyy Use "EDIEL5" if the Ediel IG is implemented in its full version, or "E5xxyy" if a national IG is the basis: E5 Indicates Ediel version 5 xx ISO 2 letter country code or an abbreviation for an international organisation yy user guide or national implementation guide version number
0068	COMMON ACCESS REFERENCE	X	an..35	
S010	STATUS OF THE TRANSFER	X		
0070	Sequence message transfer number	X	n..2	
0073	First/last seq. mess. transfer. indicator.	X	a1	

Message-type

BGM Beginning of message
Function: A segment by which the sender uniquely identifies the Utilities master data message by means of its name and number and its function.
Classification: Mandatory (M1).
Comments:

- See the [4] ebIX model for change of supplier, for a description on the use of the message functions.
- 3055 in C002 Shall be used for “E-codes”
- Code 5 in 1225 is not used in Germany

Example: BGM+392+SSA1234+9+AB'

Ref.	Name	Cl.	Form.	Description
C002	DOCUMENT/MESSAGE NAME	R		

Message name	>	1001	Document name code	R	an..3	Codes: 392 Notification to grid operator of start of supply (EDIFACT term: Notification of change of supplier) 414 Confirmation of start of supply, may include master data for a metering point (EDIFACT term: Acknowledgement of change of supplier) 406 Information or confirmation of end of supply (EDIFACT term: Notification to supplier of contract termination) 432 Notification to grid operator of end of supply 434 Notification to grid operator about balance responsibility (EDIFACT term: Notification of balance responsible entity change) E12 Confirmation about balance responsibility E07 Master data, metering point E08 Master data, meter E09 Master data, balance responsibility E10 Request for update of master data E21 Master data, party E22 Master data, billing <i>Only for Germany:</i> E01 Start of supply E02 Cancellation of supply E34 Start of a contract E35 Termination of a contract E03 Notice of master data change E27 Request E04 Overview of lost locations E05 Overview of new locations E06 Overview of active locations
		1131	Code list identification code	X	an..17	
		3055	Code list responsible agency code	D	an..3	Codes: 260 Ediel Nordic forum
		1000	Document name	X	an..35	
Message Id.	>	C106	DOCUMENT/MESSAGE IDENTIFICATION	R		
		1004	Document identifier	R	an..35	Unique Id. of the message. Shall be unique over time for each party.
		1056	Version identifier	X	an..9	
Message function	>	1060	Revision identifier	X	an..6	
		1225	MESSAGE FUNCTION CODE	R	an..3	Codes: 5 Replace of a previously sent message. 9 Original message.

Request for acknowledgement	>	4343	RESPONSE TYPE CODE	R	an..3	Codes:
						AB Message acknowledgement is required (APERAK).
						NA No acknowledgement needed

Message
 date
 Time zone

DTM Date/time/period
Function: A segment specifying general dates related to the whole message and the time zone used in the message. The segment must be specified at least once to specify the message date as allocated by the sender.
Classification: Mandatory (M2).
Comments:

- Both Message date and Time zone are required.
- There shall be only one offset to UTC for each message.
- It is recommended to use UTC in all messages.
- All applications should be able to understand other offsets to UTC.

Example: DTM+137:200105011241:203'
 DTM+735:?+0000:406'

Ref.	Name	Cl.	Form.	Description
C507	DATE/TIME/PERIOD	M		
2005	Date or time or period function code qualifier	M	an..3	Codes: 137 Message date 735 Offset from Coordinated Universal Time (UTC)
2380	Date or time or period text	R	an..35	Date/time/period
2379	Date or time or period format code	R	an..3	Codes: 203 CCYYMMDDHHmm, (137) 406 ZHHMM, Offset from Coordinated Universal Time (UTC) where Z is plus (+) or minus (-). (735)

MKS Market/sales channel information
Function: A segment to specify to which market the object relates.
Classification: Optional (O1).
Comments:

- Recommended to be used.
- Official codes for Garbage, TV Distribution and Water are expected in D.03A.

Example: MKS+23+E01::260'

Business domain
(Market)

Business area

Ref.	Name	Cl.	Form.	Description
7293	SECTOR AREA IDENTIFICATION CODE QUALIFIER	M	an..3	Codes: 23 Electricity supply industry 27 Gas supply industry Z01 Garbage collection Z02 Cable TV channel distribution Z03 Water distribution
C332	SALES CHANNEL IDENTIFICATION	M		
3496	Sales channel identifier	R	an..17	Codes: E01 Structuring phase
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	R	an..3	Codes: 260 Ediel Nordic forum
1229	ACTION REQUEST/NOTIFICATION DESCRIPTION CODE	X	an..3	



MESSAGE: UTILMD

SG 2

Function: A group of segments identifying the parties with associated information relevant to the whole message, such as the sender and the receiver of the message.

Classification: Required (R2).

Comments: Both repetitions are required (MR and MS)

Segments: NAD

NAD Name and address

Function: A segment for specifying the identification and/or the name and the address of the party, in coded or clear form, and the function relevant to the message. It is recommended that, if possible, only the coded form of the party ID should be specified.

Classification: Mandatory (M1).

Comments:

- The qualifier MS should be used to identify the party responsible for the data (originator) and the qualifier MR for the final recipient.

Example: NAD+MR+1234567890123::9'

Message recipient
Message sender
Coding scheme

Ref.	Name	Cl.	Form.	Description
3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	Codes: MR Message recipient MS Document/message issuer/sender
C082	PARTY IDENTIFICATION DETAILS	R		Party identification
> 3039	Party identifier	M	an..35	
1131	Code list identification code	X	an..17	
> 3055	Code list responsible agency code	R	an..3	Codes: 9 EAN (International Article Numbering association) 293 DE, VDEW 305 ETSO (EIC, ETSO Identification Code)
C058	NAME AND ADDRESS	X		
3124	Name and address description	X	an..35	
3124	Name and address description	X	an..35	
3124	Name and address description	X	an..35	
3124	Name and address description	X	an..35	
3124	Name and address description	X	an..35	

C080	PARTY NAME	X		
3036	Party name	X	an..35	
3036	Party name	X	an..35	
3036	Party name	X	an..35	
3036	Party name	X	an..35	
3036	Party name	X	an..35	
3045	Party name format code	X	an..3	
C059	STREET	X		
3042	Street and number or post office box identifier	X	an..35	
3042	Street and number or post office box identifier	X	an..35	
3042	Street and number or post office box identifier	X	an..35	
3042	Street and number or post office box identifier	X	an..35	
3164	CITY NAME	X	an..35	
C819	COUNTRY SUB-ENTITY DETAILS	X		
3229	Country sub-entity name code	X	an..9	
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3	
3228	Country sub-entity name	X	an..70	
3251	POSTAL IDENTIFICATION CODE	X	an..17	
3207	COUNTRY NAME CODE	X	an..3	



MESSAGE: UTILMD

SG 4

Function: A group of segments providing details and characteristics of an object, such as a metering point.

Classification: Required (R99999).

Comments:

Segments: IDE, DTM, STS, TAX, PTY, FTX, AGR, INP, SG5, SG6, SG7, SG8, SG11, SG12

IDE Identity
Function: A segment starting a new set of master data for an object, and identifying the type of object, such as a metering point.
Classification: Mandatory (M1).
Comments:

- Unique id from the sender of the message, used to link the response to the original transaction.

Example: IDE+24+MD200105832134'

Transaction id.

Ref.	Name	Cl.	Form.	Description
7495	OBJECT TYPE CODE QUALIFIER	M	an..3	Codes: 24 Transaction
C206	IDENTIFICATION NUMBER	R		
7402	Object identifier	M	an..35	Transaction id.
7405	Object identification code qualifier	X	an..3	
4405	Status description code	X	an..3	
C082	PARTY IDENTIFICATION DETAILS	X		
3039	Party identifier	X	an..35	
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3	
4405	STATUS DESCRIPTION CODE	X	an..3	
1222	CONFIGURATION LEVEL NUMBER	X	n..2	
C778	POSITION IDENTIFICATION	X		
7164	Hierarchical structure level identifier	X	an..35	
1050	Sequence position identifier	X	an..10	
C240	CHARACTERISTIC DESCRIPTION	X		
7037	Characteristic description code	X	an..17	
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3	
7036	Characteristic description	X	an..35	
7036	Characteristic description	X	an..35	

DTM Date/time/period
Function: A segment to specify dates associated with the object.
Classification: Optional (O99).
Comments:

- Contract start/stop date is the dates when delivery starts or stops.
- Qualifier 109 in 2379 is only used together with qualifier 752 in data element C507 2005.
- 109: Month's number within a specific year: M = Month

Example: DTM+92:200105080000:203'

Contract start date
 Contract end date
 Validity start date
 Next scheduled meter reading date

Ref.	Name	Cl.	Form.	Description
C507 2005	DATE/TIME/PERIOD Date or time or period function code qualifier	M M	an..3	Codes: 92 Contract start date 93 Contract stop date 157 Validity start date 752 Meter reading date, next scheduled
> 2380	Date or time or period text	R	an..35	Date
2379	Date or time or period format code	R	an..3	Codes: 203 CCYYMMDDHHmm (92, 93, 157) 106 MMDD (752) 109 MM (752) 610 CCYYMM (752)

STS Status
Function: A segment giving a status for the object, such as active or closed.
Classification: Optional (O2).
Comments:

- Reason for transaction (code 7) is required for all messages except for BGM/1001/E10 and E07 in the Netherlands.
- E06 from the Grid operator is used to change supplier (BGM/1001/414) without having received a change message (BGM/1001/392).
- The code “260, Ediel Nordic forum” in DE 3055 shall be used together with “E-codes”.
- C556 shall always be used together with “7, transaction”
- General rules for E01: C555 shall always be used. If rejected also C556 shall be used.
Special for Germany: C555 is not used C556 is always used.
- If code “42, Approval pending” is used a new message with approved or rejected will be sent later.
- Red italic text are under discussion

Example: STS+7++E03::260’

Status for answer

Ref.	Name	Cl.	Form.	Description
C601 9015	STATUS CATEGORY Status category code	R M	an..3	Codes: 7 Transaction E01 Answer
1131 3055	Code list identification code Code list responsible agency code	X D	an..17 an..3	260 Ediel Nordic forum
C555 4405	STATUS Status description code	D R	an..3	Codes: 39 Approved 41 Rejected 42 Approval pending
1131 3055	Code list identification code Code list responsible agency code	X X	an..17 an..3	
4404	Status description	X	an..35	
C556	STATUS REASON	D		

Reason for transaction Reason for answer	>	9013	Status reason description code	M	an..3	<p>Codes:</p> <p><i>Transaction:</i></p> <p>E01 Move</p> <p>E02 New installation</p> <p>E03 Change of supplier</p> <p>E04 Temporary supply</p> <p>E05 Cancellation of transaction</p> <p>E06 Unrequested Change of supplier (to default supplier or supplier of last resort).</p> <p>E20 End of supply</p> <p>E21 Change of customer</p> <p>E31 Price (according to German market rules)</p> <p><i>E32 Update of master data, metering point</i></p> <p><i>E34 Update of master data, consumer</i></p> <p>E40 Switch on drop</p> <p>E48 Master data for prospects</p> <p><i>Answer:</i></p> <p>E07 General corrections (Confirmation) – Only DE</p> <p>E08 Major corrections (Confirmation) – Only DE</p> <p>E09 Installation address not in grid (Rejection) – Only DE</p> <p>E10 Installation address or metering point not identifiable (Rejection)</p> <p>E11 Measuring problem (Rejection) – Only DE</p> <p>E12 Unclear delivery relation (Rejection) – Only DE</p> <p>E13 Balancing problem (Rejection) – Only DE</p> <p>E14 Other reason (Rejection) – Only DE</p> <p>E15 No corrections (Confirmation) – Only DE</p> <p>E16 Unauthorised supplier (Rejection)</p> <p>E17 Requested switch date not within time limits (Rejection)</p> <p>E18 Unauthorised Balance responsible (Rejection)</p> <p>E19 Meter stand not within limits (Rejection)</p> <p>E22 Metering point blocked for switching (Rejection)</p> <p>E37 No valid access contract (Rejection) – Only BE</p> <p>E39 Date correction (Confirmation) – Only DE</p> <p>E41 Switch on drop (E40) expected (Rejection) – Only BE</p>
		1131	Code list identification code	X	an..17	

	3055	Code list responsible agency code	R	an..3	Codes: 260 Ediel Nordic forum
	9012	Status reason description	X	an..256	
	C556	STATUS REASON	X		
	9013	Status reason description code	X	an..3	
	1131	Code list identification code	X	an..17	
	3055	Code list responsible agency code	X	an..3	
	9012	Status reason description	X	an..256	
	C556	STATUS REASON	X		
	9013	Status reason description code	X	an..3	
	1131	Code list identification code	X	an..17	
	3055	Code list responsible agency code	X	an..3	
	9012	Status reason description	X	an..256	
	C556	STATUS REASON	X		
	9013	Status reason description code	X	an..3	
	1131	Code list identification code	X	an..17	
	3055	Code list responsible agency code	X	an..3	
	9012	Status reason description	X	an..256	
	C556	STATUS REASON	X		
	9013	Status reason description code	X	an..3	
	1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3		
9012	Status reason description	X	an..256		

TAX Duty/tax/fee details
Function: A segment to specify relevant duty/tax/fee information, such as value added tax percentage.
Classification: Optional (O2).
Comments: • Use either C243 or 5305
Example: TAX+6+AAE++++S'

Ref.	Name	Cl.	Form.	Description
5283	DUTY OR TAX OR FEE FUNCTION CODE QUALIFIER	M	an..3	Codes: 6 Fee 7 Tax
C241 5153	DUTY/TAX/FEE TYPE Duty or tax or fee type name code	R M	an..3	Codes: AAE Energy fee VAT Value added tax
1131 3055	Code list identification code Code list responsible agency code	X X	an..17 an..3	
5152	Duty or tax or fee type name	X	an..35	
C533 5289	DUTY/TAX/FEE ACCOUNT DETAIL Duty or tax or fee account code	X X	an..6	
1131 3055	Code list identification code Code list responsible agency code	X X	an..17 an..3	
5286	DUTY OR TAX OR FEE ASSESSMENT BASIS QUANTITY	X	an..15	
C243 5279	DUTY/TAX/FEE DETAIL Duty or tax or fee rate code	D X	an..7	Tax/fee percentage
1131 3055	Code list identification code Code list responsible agency code	X X	an..17 an..3	
5278	Duty or tax or fee rate	R	an..17	
5273	Duty or tax or fee rate basis code	X	an..12	
1131 3055	Code list identification code Code list responsible agency code	X X	an..17 an..3	
5305	DUTY OR TAX OR FEE CATEGORY CODE	D	an..3	Codes: AA Lower rate E Exempt from tax (or fee) S Standard rate
3446 1227	PARTY TAX IDENTIFIER CALCULATION SEQUENCE CODE	X X	an..20 an..3	

PTY Priority
Function: A segment for communication of priority information, such as if an installation is disconnectable or not.
Classification: Optional (O1).
Comments:
Example: PTY+10+5'

Ref.	Name	Cl.	Form.	Description
4035	PRIORITY TYPE CODE QUALIFIER	M	an..3	Codes: 10 Disconnectability
C585 4037	PRIORITY DETAILS Priority description code	R M	an..3	Codes: 3 Not disconnectable (EDIFACT term: Normal) 5 Disconnectable, category A (EDIAFCT term: Category A) 6 Disconnectable, category B (EDIAFCT term: Category B)
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3	
4036	Priority description	X	an..35	

FTX Free text
Function: A segment with free text information, in coded or clear form, used when additional information is needed but cannot be accommodated within other segments. In computer to computer exchanges such text will normally require the receiver to process this segment manually.
Classification: Optional (O2).
Comments: • Only used in Germany
Example: FTX+ACB+++This is text'

Location description
> Additional info.

Ref.	Name	Cl.	Form.	Description
4451	TEXT SUBJECT CODE QUALIFIER	M	an..3	Codes: AAI General information (location description according to German market rules) ACB Additional information (according to German market rules)
4453	FREE TEXT FUNCTION CODE	X	an..3	
C107	TEXT REFERENCE	X		
4441	Free text description code	X	an..17	
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3	
C108	TEXT LITERAL	R		
4440	Free text	M	an..512	Free text
4440	Free text	O	an..512	Free text
4440	Free text	O	an..512	Free text
4440	Free text	O	an..512	Free text
4440	Free text	O	an..512	Free text
3453	LANGUAGE NAME CODE	X	an..3	
4447	FREE TEXT FORMAT CODE	X	an..3	

AGR Agreement identification
Function: A segment for specifying agreement details.
Classification: Optional (O3).
Comments:

- C543 7433: E03 – E10 Only used in Germany
- E04 is only used in end/cancellation of supply message

Example: AGR+11:E03::260'

Grid connection contract type
 Power supply contract
 Payment of net usage agreement

Ref.	Name	Cl.	Form.	Description
C543	AGREEMENT TYPE IDENTIFICATION	R		
7431	Agreement type code qualifier	M	an..3	Codes: 11 Grid connection contract type 12 Power supply contract (According to Germany market rules) E03 Payment of net usage agreement (According to Germany market rules)
> 7433	Agreement type description code	R	an..3	Codes: <i>Grid connection contract type:</i> E01 Contract directly between Grid operator and Customer E02 Contract between Supplier and Grid operator E03 Contract between Grid operator and Customer through Supplier E04 No net using contract <i>Power supply contract:</i> E05 Full supply E06 Partial supply (Open contract) E07 Partial supply (Schedule) E08 Co-operation <i>Payment of net usage agreement:</i> E09 Paid by customer E10 Paid by supplier
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	R	an..3	Codes: 260 Ediel Nordic forum
7434	Agreement type description	X	an..70	
9419	SERVICE LAYER CODE	X	an..3	

INP Parties and instruction
Function: A segment to specify parties to an instruction, the instruction, or both.
Classification: Optional (O2).
Comments:

- Code 33 in C522 4403 is only used in Germany

Example: INP++33:BV'

Meter reading instruction
 Meter change instruction

Ref.	Name	Cl.	Form.	Description
C849	PARTIES TO INSTRUCTION	X		
3301	Enacting party identifier	X	an..35	
3285	Instruction receiving party identifier	X	an..35	
C522 4403	INSTRUCTION Instruction type code qualifier	R M	an..3	Codes: 32 Meter reading instruction 33 Meter change instruction (According to German market rules)
> 4401	Instruction description code	R	an..3	Codes: BV Replace if necessary (33) BW Replace (33) BX Do not replace (33) E01 No meter reading available (32)
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	D	an..3	Codes: 260 Ediel Nordic forum
4400	Instruction description	X	an..35	
C850	STATUS OF INSTRUCTION	X		
4405	Status description code	X	an..3	
3036	Party name	X	an..35	
1229	ACTION REQUEST/NOTIFICATION DESCRIPTION CODE	X	an..3	



MESSAGE: UTILMD

SG 5

Function: A group of segments identifying locations connected to the object, such as a metered grid area or a metering point and its position in a hierarchy.
Classification: Required (R3).
Comments:
Segments: LOC

LOC Place/location identification
Function: A segment to identify locations connected to the object, such as a metered grid area or a metering point.
Classification: Mandatory (M1).
Comments:

- Aggregated metering points are only used in Germany.

Example: LOC+172+871234567890123456::9'

Metering point id,
Metering grid area id

Ref.	Name	Cl.	Form.	Description
3227	LOCATION FUNCTION CODE QUALIFIER	M	an..3	Codes: 172 Metering point id (EDIFACT term: Reporting location) 231 Metering grid area (EDIFACT term: Power grid area) Z01 Aggregated metering point, according to German market rules.
C517	LOCATION IDENTIFICATION	R		
3225	Location name code	R	an..35	Location id
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	R	an..3	Codes: 9 EAN (International Article Numbering association) 89 Assigned by distributor 305 ETSO (EIC, ETSO Identification Code)
3224	Location name	X	an..256	
C519	RELATED LOCATION ONE IDENTIFICATION	X		
3223	First related location name code	X	an..25	
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3	
3222	First related location name	X	an..70	
C553	RELATED LOCATION TWO IDENTIFICATION	X		
3233	Second related location name code	X	an..25	
1131	Code list identification code	X	an..17	

	3055	Code list responsible agency code	X	an..3	
	3232	Second related location name	X	an..70	
	5479	RELATION CODE	X	an..3	



MESSAGE: UTILMD

SG 6

Function: A group of segments for specifying any references and associated dates valid for the object.
Classification: Optional (O3).
Comments: Recommended used for “Reference to transaction id” (TN) in answer messages.
Segments: RFF

RFF Reference
Function: A segment identifying any references related to the object, such as a transaction reference number or a reference to a time series.
Classification: Mandatory (M1).
Comments:

- The code TN is recommended used in all response messages.
- The TN (Transaction reference number) is used to reference the Transaction id from the IDE segment in a corresponding message.
- CT is only used in Germany.
- Use either MG or SE for the meter number.

Example: RFF+TN:ABC001582'

Reference to transaction id
 Meter id
 Contract number

Ref.	Name	Cl.	Form.	Description
C506	REFERENCE	M		
1153	Reference code qualifier	M	an..3	Codes: MG Meter unit number (Meter id.) SE Meter serial number (used for EAN GSAI) TN Transaction reference number CT Contract number (According to German market rules)
1154	Reference identifier	R	an..70	Reference no.
1156	Document line identifier	X	an..6	
4000	Reference version identifier	X	an..35	
1060	Revision identifier	X	an..6	



MESSAGE: UTILMD

SG 7

Function: A group of segments providing characteristics and characteristic details connected to the object.
Classification: Optional (O11).
Comments:
Segments: CCI, CAV

CCI Characteristic/class id
Function: A segment to identify characteristic and/or the characteristic name and characteristic relevance for the object, such as method for balance settlement or measurement method, number of digits of a meter etc.
Classification: Mandatory (M1).
Comments:
Example: CCI+++E01::260'

Type of characteristic

Ref.	Name	Cl.	Form.	Description
7059	CLASS TYPE CODE	X	an..3	
C502	MEASUREMENT DETAILS	X		
6313	Measured attribute code	X	an..3	
6321	Measurement significance code	X	an..3	
6155	Non-discrete measurement name code	X	an..17	
6154	Non-discrete measurement name	X	an..70	
C240	CHARACTERISTIC DESCRIPTION	R		
7037	Characteristic description code	M	an..17	Codes: E01 Standard Load Profile E02 Settlement method E03 Metering point voltage level E04 Meter voltage level factor (According to German market rules) E08 Metering method E09 Loss factor (According to Belgian market rules) E10 Category of net user (According to Belgian market rules) E12 Type of metering point E14 Switch category E15 Physical status for metering point E16 Pressure
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	R	an..3	Codes: 260 Ediel Nordic forum
7036	Characteristic description	X	an..35	
7036	Characteristic description	X	an..35	

	4051	CHARACTERISTIC RELEVANCE, CODED	X	an..3	
--	------	------------------------------------	---	-------	--

CAV Characteristic value
Function: A segment to specify the value of the characteristic previously defined in either coded form or in free format.
Classification: Required (R1).
Comments:

- 1131 only used for Standard Load Profile
- *Italic text* refers to codes in the previous CCI segment.

Example: CAV+L1:TNT:260'

Ref.	Name	Cl.	Form.	Description
C889	CHARACTERISTIC VALUE	M		

Standard Load Profile Settlement method Metering point voltage level Meter voltage level Metering method Loss factor Category of net user Type of metering point Switch category Physical status for metering point Pressure	>	7111	Characteristic value description code	R	an..3	<p>Codes: Standard load profile: Use codes from national user guides made from the system operator, industry organisation, etc Settlement method: E01 Profiled E02 Non-profiled Metering point and meter voltage level: E03 maximum voltage E04 high voltage E05 medium voltage E06 low voltage E07 high voltage / transformation E08 medium voltage / transformation E09 low voltage / transformation Metering method: E13 Continuous E14 Non continuous E16 Not metered E24 Calculated Loss factor: Use codes from national user guides made from the system operator, industry organisation, etc Category of net user: Use codes from national user guides made from the system operator, industry organisation, etc Type of metering point: E17 Consumption E18 Production E19 Combined (Consumption and Production) Switch category: Use codes from national user guides made from the system operator, industry organisation, etc Physical status for metering point: E22 Connected E23 Disconnected Pressure: E10 Low E11 High</p>
		1131	Code list identification code	D	an..17	<p>293 DE, VDEW DK Danish Ediel group DPO Dutch Profile Organisation EKS Elkraft system ELT Eltra SLY Finnish Electricity Association SM Nord Pool ASA SVK Svenska Kraftnät TNT TenneT BEL Belgium national standard</p>
		3055	Code list responsible agency code	R	an..3	<p>Codes: 260 Ediel Nordic forum</p>
		7110	Characteristic value description	X	an..35	

	7110	Characteristic value description	X	an..35	
--	------	-------------------------------------	---	--------	--



MESSAGE: UTILMD

SG 8

Function: A group of segments to specify quantities, characteristics and references of lower-level objects related to the current object, such as meters and/or registers of a meter.

Classification: Optional (O99).

Comments:

Segments: SEQ, RFF, PIA, SG9, SG10

SEQ Sequence details

Function: A segment to provide a sequence number of the lower-level objects, such as the register number within a meter.

Classification: Mandatory (M1).

Comments:

- Normally the register number is a sequence number within the meter, defining the register. If only one register in the meter use "1".

Example: SEQ++1'

Sequence number

Ref.	Name	Cl.	Form.	Description
1229	ACTION REQUEST/NOTIFICATION DESCRIPTION CODE	X	an..3	
C286	SEQUENCE INFORMATION	R		
1050	Sequence position identifier	M	an..10	Sequence number for register in the meter
1159	Sequence identifier source code	X	an..3	
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3	

Meter id
 Register id

RFF Reference
Function: A segment identifying any references related to the lower-level object, such as a register number or a reference to a contract.
Classification: Optional (O2).
Comments:

- Use either MG or SE for the meter number.
- AES is used for referencing a register id

Example: RFF+AES:ABC001582'

Ref.	Name	Cl.	Form.	Description
C506	REFERENCE	M		
1153	Reference code qualifier	M	an..3	Codes: MG Meter unit number (Meter id.) SE Meter serial number (used for EAN GSAI) AES Register id (EDIFACT term: Primary reference)
1154	Reference identifier	R	an..70	Reference no.
1156	Document line identifier	X	an..6	
4000	Reference version identifier	X	an..35	
1060	Revision identifier	X	an..6	

PIA Additional product id
Function: A segment providing additional product identification connected to the lower-level object, such as a register of a meter.
Classification: Optional (O1).
Comments: • 7143 is only used with EDIS codes
Example: PIA+5+1234567890123456:SRW::260'

Product or
service id

Ref.	Name	Cl.	Form.	Description
4347	PRODUCT IDENTIFIER CODE QUALIFIER	M	an..3	Codes: 5 Product identification
C212	ITEM NUMBER IDENTIFICATION	M		
7140	Item identifier	R	an..35	Additional item id (EDIS code or product code) EAN product codes: 8716867000054 Connection, Capacity 8716867000030 Energy, Active 5410000100016 Natural gas
7143	Item type identification code	D	an..3	Codes: SRW EDIS code
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	R	an..3	Codes: 9 EAN 260 Ediel Nordic forum
C212	ITEM NUMBER IDENTIFICATION	X		
7140	Item identifier	X	an..35	
7143	Item type identification code	X	an..3	
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3	
C212	ITEM NUMBER IDENTIFICATION	X		
7140	Item identifier	X	an..35	
7143	Item type identification code	X	an..3	
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3	
C212	ITEM NUMBER IDENTIFICATION	X		
7140	Item identifier	X	an..35	
7143	Item type identification code	X	an..3	
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3	
C212	ITEM NUMBER IDENTIFICATION	X		
7140	Item identifier	X	an..35	
7143	Item type identification code	X	an..3	
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	X	an..3	



MESSAGE: UTILMD

SG 9

Function: A group of segments providing quantities connected to the lower-level object.
Classification: Optional (O3).
Comments:
Segments: QTY

QTY Quantity
Function: A segment identifying the quantity details, such as estimated annual consumption or production.
Classification: Mandatory (M1).
Comments:

- Qualifier 220 is only used in messages from the balance supplier to the grid operator.
- Qualifier 456 is only used in Germany

Example: QTY+31:90:KWH'

Estimated annual volume
 Maximum requestable quantity
 Net reserve power
 Meter reading
 Quantity

Ref.	Name	Cl.	Form.	Description
C186 6063	QUANTITY DETAILS Quantity type code qualifier	M M	an..3	Codes: 31 Estimated annual volume 220 Meter reading 221 Maximum requestable quantity (Maximum power) 456 Net reserve power (According to German market rules)
6060 6411	Quantity Measurement unit code	M R	an..35 an..3	Quantity Codes: 3B MJ (Megajoule) KWH Kilowatt-hour KVR kvar (Kilovar) KWT kW (Kilowatt) K3 kVArh (KiloVolt-Ampere reactive hour) MTQ Cubic metre

Latest meter reading date >

DTM Date/time/period
Function: A segment to specify dates or periods related to the previously specified quantity information.
Classification: Optional (O1).
Comments:

- Time zone is defined in DTM / SG 0.
- For meter stands the time for meter reading will always be 00.00 hr at the given date.

Example: DTM+368:200106050000:203'

Ref.	Name	Cl.	Form.	Description
C507	DATE/TIME/PERIOD	M		
2005	Date or time or period function code qualifier	M	an..3	Codes: 368 Latest meter reading date (220)
2380	Date or time or period text	R	an..35	Date, time or period
2379	Date or time or period format code	R	an..3	Codes: 203 CCYYMMDDHHmm (368)

STS Status
Function: A segment giving the status for the quantity, such as metered, estimated or corrected.
Classification: Optional (O1).
Comments:
Example: STS+Z01+Z01'

Capacity
type

Ref.	Name	Cl.	Form.	Description	
C601 9015	STATUS CATEGORY Status category code	R M	an..3	Codes: Z01 Capacity	
1131 3055	Code list identification code Code list responsible agency code	X X	an..17 an..3		
C555 4405	STATUS Status description code	R M	an..3		Codes: <i>Capacity:</i> 123 Contracted Z02 Technical
1131 3055	Code list identification code Code list responsible agency code	X X	an..17 an..3		
4404	Status description	X	an..35		
C556 9013	STATUS REASON Status reason description code	X X	an..3		
1131 3055	Code list identification code Code list responsible agency code	X X	an..17 an..3		
9012	Status reason description	X	an..256		
C556 9013	STATUS REASON Status reason description code	X X	an..3		
1131 3055	Code list identification code Code list responsible agency code	X X	an..17 an..3		
9012	Status reason description	X	an..256		
C556 9013	STATUS REASON Status reason description code	X X	an..3		
1131 3055	Code list identification code Code list responsible agency code	X X	an..17 an..3		
9012	Status reason description	X	an..256		
C556 9013	STATUS REASON Status reason description code	X X	an..3		
1131	Code list identification code	X	an..17		

	3055	Code list responsible agency code	X	an..3	
	9012	Status reason description	X	an..256	



MESSAGE: UTILMD

SG 10

Function: A group of segments providing characteristics and characteristic details connected to the lower-level object.
Classification: Optional (O4).
Comments:
Segments: CCI, CAV

CCI Characteristic/class id
Function: A segment to identify a characteristic and/or the characteristic name and characteristic relevance for the lower-level object, such as number of digits of a meter etc.
Classification: Mandatory (M1).
Comments:

- Code E13 is only used in Belgium.

Example: CCI+++E05::260'

Type of characteristic >

Ref.	Name	Cl.	Form.	Description
7059	CLASS TYPE CODE	X	an..3	
C502	MEASUREMENT DETAILS	X		
6313	Measured attribute code	X	an..3	
6321	Measurement significance code	X	an..3	
6155	Non-discrete measurement name code	X	an..17	
6154	Non-discrete measurement name	X	an..70	
C240	CHARACTERISTIC DESCRIPTION	R		
7037	Characteristic description code	M	an..17	Codes: E05 Constant E06 Number of digits E07 Meter time frame (code defining different time-periods for different registers) E09 Loss factor (According to Belgian market rules) E13 Type of meter (According to Belgian market rules)
1131	Code list identification code	X	an..17	
3055	Code list responsible agency code	R	an..3	Codes: 260 Ediel Nordic forum
7036	Characteristic description	X	an..35	
7036	Characteristic description	X	an..35	
4051	CHARACTERISTIC RELEVANCE, CODED	X	an..3	

CAV Characteristic value
Function: A segment to specify the value of the characteristic previously defined in either coded form or in free format.
Classification: Required (R1).
Comments:

- *Italic text refers to codes in the previous CCI segment*
- 1131 is only used together with national code lists

Example: CAV+E10::260'
CAV+::::10'

Meter time frame
Loss factor
Type of meter

Ref.	Name	Cl.	Form.	Description
C889	CHARACTERISTIC VALUE	M		
> 7111	Characteristic value description code	D	an..3	Codes: <i>Meter time frame(1131 not used):</i> E10 Low E11 High E12 Peak <i>Or a national code used together with a code list responsible in 1131.</i> <i>Loss factor:</i> Use codes from national user guides made from the system operator, industry organisation, etc <i>Type of meter:</i> Use codes from national user guides
1131	Code list identification code	D	an..17	Codes: 293 DE, VDEW DK Danish Ediel group DPO Dutch Profile Organisation EKS Elkraft system ELT Eltra SLY Finnish Electricity Association SM Nord Pool ASA SVK Svenska Kraftnät TNT TenneT BEL Belgium national standard
3055	Code list responsible agency code	D	an..3	Codes: 260 Ediel Nordic forum
> 7110	Characteristic value description	D	an..35	Constant Number of digits
7110	Characteristic value description	X	an..35	

Constant
Number of digits



MESSAGE: UTILMD

SG 11

Function: A group of segments for specifying monetary amounts related to the object and connected references and dates, such as grid access fee.
Classification: Optional (O1).
Comments: Only used in Germany
Segments: MOA, RFF, DTM

MOA Monetary amount
Function: A segment for specifying monetary amounts related to the object.
Classification: Mandatory (M1).
Comments: Only used in Germany
Example: MOA+9+456:EUR'

Amount due/ payable >

Ref.	Name	Cl.	Form.	Description
C516	MONETARY AMOUNT	M		
5025	Monetary amount type code qualifier	M	an..3	Codes: 9 Amount due/amount payable (According to German market rules)
5004	Monetary amount	R	n..35	Amount
6345	Currency identification code	R	an..3	Codes: Use ISO 4217, 3-Alpha code, e.g.: EUR Euro
6343	Currency type code qualifier	X	an..3	
4405	Status description code	X	an..3	

Payment
 reference

RFF Reference
Function: A segment for identifying a reference to the amount.
Classification: Optional (O1).
Comments: Only used in Germany
Example: RFF+PQ:PM3456123'

Ref.	Name	Cl.	Form.	Description
C506	REFERENCE	M		
1153	Reference code qualifier	M	an..3	Codes: PQ Payment reference (According to German market rules) Reference no.
1154	Reference identifier	R	an..70	
1156	Document line identifier	X	an..6	
4000	Reference version identifier	X	an..35	
1060	Revision identifier	X	an..6	

DTM Date/time/period
Function: A segment specifying the date/time related to the referenced information.
Classification: Optional (O2).
Comments: Only used in Germany
Example: DTM+672:3:801'

Terms net
 due date
 Period
 assigned

>

Ref.	Name	Cl.	Form.	Description
C507	DATE/TIME/PERIOD	M		
2005	Date or time or period function code qualifier	M	an..3	Codes: 13 Terms net due date (According to German market rules) 672 Period assigned (According to German market rules)
2380	Date or time or period text	R	an..35	Date/time/period
2379	Date or time or period format code	R	an..3	Codes: 102 CCYYMMDD 801 Year (a quantity of years) 802 Month (a quantity of months)



MESSAGE: UTILMD

SG 12

Function: A group of segments identifying parties related to the object or service, with associated information, such as end user, installation, invoicee, etc.
Classification: Optional (O10).
Comments:
Segments: NAD, RFF, SG 13

NAD Name and address
Function: A segment for specifying the identification and/or the name and address of the party, in coded or clear form, and the functions relevant to the object or service. It is recommended that, if possible, only the coded form of the party identification should be specified.
Classification: Mandatory (M1).
Comments:

- Party id is required for all parties except UD and IT, which might be identified with a name and an address.

Example: NAD+IT+8712345678901::9'

In-care of balance supplier
 Metered data aggregator
 Metered data collector
 Balance responsible party
 Balance supplier
 Metering point address
 Invoicee. Consumer
 Sub-balance responsible
 Transport capacity responsible party

Ref.	Name	Cl.	Form.	Description
3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	Codes: AG In-care of balance supplier (According to German market rules) (EDIFACT term: Agent/representative) CS Metered data aggregator (EDIFACT term: Consolidator) DDE Metered data collector DDK Balance responsible party DDQ Balance power supplier IT Metering point address (EDIFACT term: Installation on site) IV Invoicee. Party to whom an invoice is issued. UD Consumer (EDIFACT term: Ultimate customer) WP Sub-balance responsible (According to German market rules) (EDIFACT term: Sub-entity) Z01 Transport capacity responsible party
C082	PARTY IDENTIFICATION DETAILS	D		
3039	Party identifier	M	an..35	Party identification
1131	Code list identification code	X	an..17	

		3055	Code list responsible agency code	R	an..3	Codes: 9 EAN (International Article Numbering association) 293 DE, VDEW 305 ETSO (EIC, ETSO Identification Code)
Party name	>	C058	NAME AND ADDRESS	X		
		3124	Name and address description	X	an..35	
		3124	Name and address description	X	an..35	
		3124	Name and address description	X	an..35	
		3124	Name and address description	X	an..35	
		3124	Name and address description	X	an..35	
Address	>	C080	PARTY NAME	D		
		3036	Party name	M	an..35	Party name
		3036	Party name	O	an..35	Party name
		3036	Party name	O	an..35	Party name
		3036	Party name	X	an..35	
		3036	Party name	X	an..35	
		3045	Party name format code	X	an..3	
City name	>	C059	STREET	D		
		3042	Street and number or post office box identifier	M	an..35	Address
		3042	Street and number or post office box identifier	O	an..35	Address
		3042	Street and number or post office box identifier	O	an..35	Address
		3042	Street and number or post office box identifier	O	an..35	Address
Postcode	>	3164	CITY NAME	D	an..35	City name
		C819	COUNTRY SUB-ENTITY DETAILS	X		
		3229	Country sub-entity name code	X	an..9	
		1131	Code list identification code	X	an..17	
		3055	Code list responsible agency code	X	an..3	
Country	>	3228	Country sub-entity name	X	an..70	
		3251	POSTAL IDENTIFICATION CODE	D	an..17	Postcode
		3207	COUNTRY NAME CODE	D	an..3	Codes: ISO 3166 2-Alpha Code, e.g.: BE Belgium DK Denmark FI Finland FR France DE Germany NL Netherlands NO Norway SE Sweden GB United Kingdom

RFF Reference
Function: A segment for inclusion of any references related to the current party, such as fiscal number or government reference number.
Classification: Optional (O3).
Comments:
Example: RFF+AVC:123001582'

Grid
 operators
 customer
 number
 Suppliers
 customer
 number
 VAT
 registration
 number

Ref.	Name	Cl.	Form.	Description
C506	REFERENCE	M		
1153	Reference code qualifier	M	an..3	Codes: CAZ Grid operator's customer reference number (According to German market rules) AVC Supplier's customer reference number (According to German market rules) VA VAT registration number
1154	Reference identifier	R	an..70	Customer number
1156	Document line identifier	X	an..6	
4000	Reference version identifier	X	an..35	
1060	Revision identifier	X	an..6	

LAN LANGUAGE
Function: A segment to indicate the languages for the specified party.
Classification: Optional (O1).
Comments:
Example: LAN+6+DUT'

Language

Ref.	Name	Cl.	Form.	Description
3455	LANGUAGE CODE QUALIFIER	M	an..3	Codes: 6 For all types of communication (Language used for all types of communications.)
C508 3453	LANGUAGE DETAILS Language name code	R R	an..3	Codes: <i>ISO 639-1988(639-2, 3 letter code), e.g.:</i> FRE French DUT Flemish; Dutch ENG English GER German
3452	Language name	X	an..35	



MESSAGE: UTILMD

SG 13

Function: A group of segments giving contact details of a specific person and/or department within the party identified.
Classification: Optional (O1).
Comments:
Segments: CTA, COM

CTA Contact information
Function: A segment to identify a person and/or department, and their function, to whom communications should be directed
Classification: Mandatory (M1).
Comments:
Example: CTA+IC+:Ole Olsen'

Ref.	Name	Cl.	Form.	Description
3139	CONTACT FUNCTION CODE	R	an..3	Codes: IC Information contact
C056	DEPARTMENT OR EMPLOYEE DETAILS	R		
3413	Department or employee name code	X	an..17	
3412	Department or employee name	R	an..35	Contact person or department

Contact

>

Communi-
 cation
 number

COM Communication contact
Function: A segment to identify a communication type and number for the
 contact specified.
Classification: Optional (O5).
Comments:
Example: COM+4687397775:TE'

Ref.	Name	Cl.	Form.	Description
C076	COMMUNICATION CONTACT	M		
3148	Communication address identifier	M	an..512	Communication number
3155	Communication address code qualifier	M	an..3	Codes: TE Telephone FX Telefax EM Electronic mail (Internet) XF X.400 TL Telex



MESSAGE: UTILMD

SG 0

Function: Summary section
Classification: Mandatory (M1).
Comments:
Segments: CNT, UNT

UNT Message trailer
Function: A service segment ending a message, giving the total number of segments in the message (including the UNH & UNT) and the control reference number of the message.
Classification: Mandatory (M1).
Comments:
Example: UNT+11+1'

Ref.	Name	Cl.	Form.	Description
0074	NUMBER OF SEGMENTS IN THE MESSAGE	M	n..6	Number of segments in the message, including UNH and UNT.
0062	MESSAGE REFERENCE NUMBER	M	an..14	Control reference number. Equal to 0062 in UNH

APPENDIX A - EXAMPLE OF AN EDIFACT MESSAGE

To be completed.