

# UTILMD

UTILITY MASTER DATA MESSAGE

DANISH EDI MESSAGE IMPLEMENTATION GUIDE FOR THE GAS MARKET

Version: 3  
Release: 1  
Dato: August, 4 2022

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## Change Log

The change log contains any changes added following the previous version or release. A change in **version** indicates significant changes to structure or syntax, whereas a new **release** contains smaller changes.

Chapter	Segment	Change	Date
		Introduced change log	2022-06-01
<b>2</b>		Updated Common Data Model drawing to reflect current fields and add company registration number	2022-06-01
<b>3</b>	BGM	Added E10, request of master data update  Added Z21, meter reading from gas supplier	2022-06-01
<b>3</b>	STS, 1 <sup>st</sup> occurrence	Added Z14 to support erroneous change of supplier  Added Z15 to support erroneous move  Added Z16 to support master data suggestion  Added Z17 to support secondary move in  Added Z22 to support meter readings  Removed E06, Z08 and Z09.	2022-06-01
<b>3</b>	STS, 2 <sup>nd</sup> occurrence	Added Z12-Z13, Z18-Z20 and Z23-Z24 rejection reasons	2022-06-01
<b>3</b>	NAD, 3 <sup>rd</sup> occurrence	Company registration number added to consumer address information	2022-06-01
<b>3</b>	UNH	Updated IG version to match document number	2022-08-04

## 1. Introduction and general principles

The EDIFACT specification in the following chapters is based on the *Message handbook for ebIX - Implementation guide for Utility Master Data Message (UTILMD)*, version 5.0, revision B.

Detailed explanations of the individual segments are not provided in this specification but are to be found in the above-mentioned document.

## 2. Data model for UTILMD

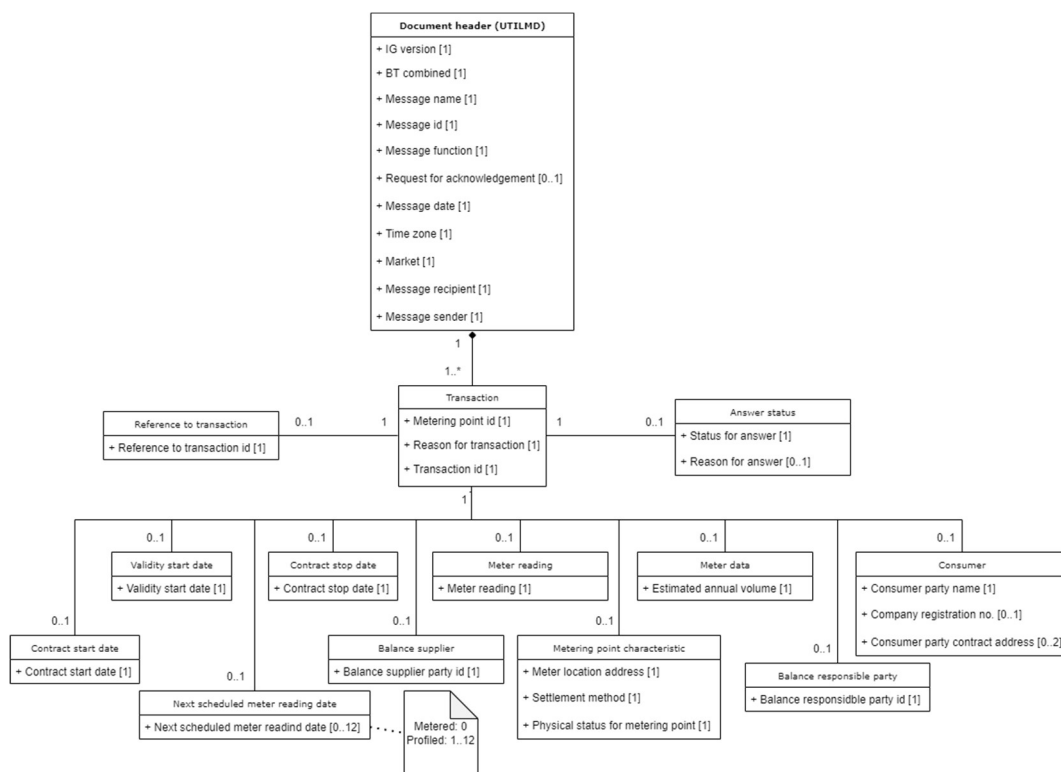


Figure 1: Common data model for UTILMD

### 3. Mapping table for UTILMD

Segment	Data Element		Description	Attribute	
	Identification	Content			
SG 0 UNH	0062	Message reference, e.g. '1'	A unique reference for the message within the interchange.	<i>Not specified in the dependency matrix, but must be included in the message</i>	
	S009 0065 S009 0052 S009 0054 S009 0051 S009 0057	'UTILMD' 'D' '02B' 'UN' 'E5DK03'	The version number of this guide should be stated here. The number consists of "E5" for EDI version 5, "DK" for Danish and "03" for version number 3.	IG version	
	0068	Business Transaction Combined id.	Unique identification of the business transaction and version, e.g. "DK-BT-001-003"	BT combined ID	
	SG 0 BGM	C002 1001	'392' = Request to metering point administrator of start of supply (Notification of change of supplier) '406' = Information or confirmation of end of supply (Notification to supplier of contract termination) '414' = Confirmation of start of supply, may include master data for a metering point (Acknowledgement of change of supplier) '432' = Notification to grid operator of end of supply 'E07' = Master data, metering point 'E10' = Request of master data update 'Z21' = Metering Reading from Gas Supplier	EDIFACT- or EDI-code for the identification of the message in relation to the actual business transaction.	Message name / Meddelelse navn
		C002 3055	'260' = Ediel Nordic Forum	Code list responsible agency code. Only to be used for Exx codes	
1004		Message id, e.g. 'SPH1234'	A unique (business related) reference for the message overtime.	Message id / Meddelelsesidentifikation	
1225		'9' = Original message	Statement of that the message is a creation (9).	Message function	
4343		'NA' = No acknowledgement needed 'AB' = Message acknowledgement is required	Statement of whether the message sender wants an acknowledgement for reception of the message by the application. This is only used on a bilateral agreement.	Request for Acknowledgement / Anmodning om kvittering	
SG 0	C507 2005	'137' = Message date and time	Date and the time for	Message date /	

Segment	Data Element		Description	Attribute
	Identification	Content		
<b>DTM</b> Occurrence 1	C507 2380 C507 2379	Actual date and time '203' = Format: CYYMMDDHHmm	composition of the message.	Meddelelsesdato
<b>SG 0 DTM</b> Occurrence 2	C507 2005 C507 2380 C507 2379 C507 2380 C507 2379	'735' = Deviation from UTC '+0000' = UTC '406' = Format ZHHMM Actual date and time '203' = Format: CYYMMDDHHmm	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.	Time zone / Tidssone
<b>SG 0 MKS</b>	7293  C332 3496 C332 3055	'27' = Gas supply industry  'E01' = Structuring phase '260' = Ediel Nordic Forum	Descriptions of the market relevant for the current message.	Market / Marked
<b>SG 2 NAD</b> Occurrence 1	3035 C082 3039 C082 3055	'MR' = Message recipient Recipient's party id '9' = EAN (International Article Numbering association) '305' = ETSO (EIC, ETSO identification code)	The party id of the recipient of the message. Both EAN-GLN and EIC can be used.	Message recipient / Modtager af meddelelse
<b>SG 2 NAD</b> Occurrence 2	3035 C082 3039 C082 3055	'MS' = Message sender Sender's party id '9' = EAN (International Article Numbering association) '305' = ETSO (EIC, ETSO identification code)	The party id of the sender of the message. Both EAN-GLN and EIC can be used.	Message sender / Afsender af meddelelse
<b>SG 4 IDE</b>	7495 C206 7402	'24' = Transaction Unique transaction id	The sender's unique identification of the transaction. Can be e.g. "Message id" and line number. Is used as reference when answering.	Transaction id / Transaktions-id
<b>SG 4 DTM</b> Occurrence 1	C507 2005 C507 2380 C507 2379	'92' = Contract start date / Kontrakt start dato Date '203' = Format CCYYMMDDHHMM	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. 200302010500 and 200306010400.	Contract start date / Kontrakt start dato
<b>SG 4 DTM</b> Occurrence 2	C507 2005 C507 2380 C507 2379	'93' = Contract stop date / Kontrakt stop dato Date '203' = Format CCYYMMDDHHMM	Date and time in UTC format for end of supply. Date must be stated as start of the day where there is no supply, e.g. 200301310500 and 200303310400.	Contract stop date / Kontrakt slut dato
<b>SG 4</b>	C507 2005	'157' = Validity start date / Gyldighedsdato	Date and time in UTC format to indicate from when data for this	Validity start date / Gyldighedsdato

Segment	Data Element		Description	Attribute
	Identification	Content		
<b>DTM</b> Occurrence 3	C507 2380 C507 2379	Date '203' = Format CCYYM MDDHHMM	transaction is valid. If more data are modified with different validity dates, these must be sent as separate transactions. Time must always be equal to gas day local time.	
<b>SG 4 DTM</b> Occurrence 4	C507 2005 C507 2380 C507 2379	'752' = Meter reading date, next scheduled / Aflæsningsdag Date '106' = Format MMDD	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.	Next scheduled meter reading date / Aflæsningsdag
<b>SG 4 STS</b> Occurrence 1	C601 9015 C556 9013	'7' = Transaction 'E01' = Move / Flytning 'E03' = Change of supplier / Leverandørskifte 'E05' = Cancellation of transaction / Annullering af tidligere transaction  'E20' = End of supply / Ophør af leverance  'E32' = Update of master data, metering point / Stamdata sendt efter aftale  'Z02' = Change of meter location address / Målepunkt adresse ændret  'Z03' = Change of next scheduled meter reading date / Aflæsningdag(e) ændret  'Z04' = Change of estimated annual volume / Forventet årsforbrug ændret  'Z05' = Change of consumer party name / Disponentnavn(e) ændret  'Z06' = Change of physical status for metering point / Tilslutningsstatus ændret	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 "Z" are used, 'DK' must be stated as Code list responsible agency code.	Reason for transaction / Transaktionsårsag

Segment	Data Element		Description	Attribute
	Identification	Content		
		'Z07' = Change of settlement method / Målepunkt afregningsform ændret  'Z10' = Termination of metering point / Nedlæggelse af Målersted  'Z14' = Erroneous change of supplier / Fejlagtigt leverandørskift  'Z15' = Erroneous move / Fejlagtig flytning  'Z16' = Master data suggestion / Forslag til stamdata  'Z17' = Secondary move in / Sekundær tilflytning  'Z22' = Meter Reading / Tællerstand		
	C556 3055	'260' = Ediel Nordic Forum 'DK' = Danish ebIX Group		
<b>SG 4</b> <b>STS</b> Occurrence 2	C601 9015	'E01' = Answer	The status for a response to a previous transaction, i.e. approved or rejected	Status for answer / Svarstatus
	C601 3055	'260' = Ediel Nordic Forum		
	C555 4405	'39' = Approved '41' = Rejected		
	C556 9013	'E10' = Installation address or metering point not identifiable / Målepunkt ikke identificerbart 'E16' = Unauthorised supplier / Ikke godkendt leverandør 'E17' = Requested switch date not within time limits / Anmodet skæringsdato ikke inden for tidsfrist 'E18' = Unauthorised Balance responsible / Ikke godkendt balanceansvarlig 'E22' = Metering point blocked for switching / Målepunkt blokeret for skift 'E59' = Already existing relation (rejection) / Leverandøren er allerede leverandør	The reason for an answer, used to describe an error code for the Status for answer '41 (rejected)*.	Reason for answer / Begrundelse for svar



Segment	Data Element		Description	Attribute
	Identification	Content		
	C556 3055	<p>'Z11' = Consumer name missing (rejection) / Disponentnavn mangler</p> <p>'Z12' = Metering point discontinued / Målepunkt er nedlagt</p> <p>'Z13' = Previous Gas Supplier is no longer valid / Forrige Gasleverandør er ikke længere gyldig</p> <p>'Z18' = Move in registered before the requested change of supplier / Tilflytning registreret før anmodet leverandørskift</p> <p>'Z19' = Erroneous change is not the latest change / Fejlmeldte ændring er ikke længere den nyeste</p> <p>'Z20' = Date of erroneous change does not match original change / Dato på fejlmelding matcher ikke oprindelig dato</p> <p>'Z23' = Metering point has wrong type / Målepunkt har forkert type</p> <p>'Z24' = New address missing / Ny adresse mangler</p> <p>'260' = Ediel Nordic Forum</p>		
<b>SG 5 LOC</b>	3227 C517 3225 C517 3055	<p>'172' = Metering point id</p> <p>EAN-GSRN-number of Metering point.</p> <p>'9' = EAN (International Article Numbering association)</p>	Identification of the metering point. Every metering point has a unique EAN-GSRN-number of 18 digits.	Metering point id / Målepunkt-id
<b>SG 6 RFF</b>	C506 1153 C506 1154	<p>'TN' = Reference to transaction id</p> <p>Transaction id</p>	Reference to a received transaction id.	Reference to transaction id / Transaktions-id
<b>SG 7 CCI</b> Occurrence 1	C240 7037	'E02' = Settlement method	The method used for settlement, such as profiled or non-profiled. E15 states a metering point settled on a net basis.	Settlement method / Afregningsmåde
<b>SG 7 CAV</b> Occurrence 1	C889 7111	<p>'E01' = Profiled / Skabelonafregnet</p> <p>'E02' = Non-profiled / Timeafregnet</p> <p>'E15' = Non-profiled, netto / Nettoafregnet</p>		
<b>SG 7</b>	C240 7037	'E15' = Physical status for metering point	Physical status of the Metering point, such as connected or	Physical status for metering point /

Segment	Data Element		Description	Attribute
	Identification	Content		
<b>CCI</b> Occurrence 2			disconnected	Tilslutningsstatus
<b>SG 7 CAV</b> Occurrence 2	C889 7111	'E22' = Connected / Målepunkt tilsluttet 'E23' = Disconnected / Målepunkt afbrudt		
<b>SG 8 SEQ</b>	C286 1050	'1' = Register number		<i>Not specified in the dependency matrix, but must be included in the message if SG9/QTY is used</i>
<b>SG 9 QTY</b> Occurrence 1	C186 6063 C186 6060 C186 6411	'31' = Estimated annual volume Quantity 'KWH' = Kilowatt-hour	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 / Forventet årsforbrug
<b>SG 9 QTY</b> Occurrence 2	C186 6063 C186 6060 C186 6411	'220' = Meter reading Quantity 'MTQ = Cubic Metre		Meter reading / Måler aflæsning
<b>SG 12 NAD</b> Occurrence 1	3035 C082 3039 C082 3055	'DDK' = Balance responsible party / Balanceansvarlig Balance responsible ID '9' = EAN (International Article Numbering association) '305' = ETSO (EIC, ETSO Identification Code)	The party id of the Balance Responsible Party for the metering point. Both EAN-GLN and EIC can be used.	Balance responsible party id / Balanceansvarlig id
<b>SG 12 NAD</b> Occurrence 2	3035 C059 3042 C059 3042 C059 3042 C059 3042 3164 3251	'IT' = Metering point address (Installation on site) Street name line 1 Street name line 2 House number Coded address City name (fx Fredericia) Postal code (fx 7000)	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 not allowed to include local City names in the Street name lines. The fourth repetition of	Meter location address / Målepunkt adresse

Segment	Data Element		Description	Attribute
	Identification	Content		
	3207	DK	<p>C059/3042 must state coded address configured as address codes from the CPR register separated by semicolon as follows:</p> <p>Municipality code; (n4)            Street code; (n4)            House number; (an4)            Floor; (an4)            Direction/door number; (an4)            Country code must be stated as two letter ISO 3166 country code.</p>	
<b>SG 12</b> <b>NAD</b> Occurrence 3	3035	'UD' = Consumer, address for correspondence (Ultimate customer)		
	C082 3039	Company registration no.	<p>This is the company registration number in the country of the address. Only used if they consumer is a company.</p> <p>If it is a company and the company does not have a company registration number, use the fictive number '11111111'.</p>	Consumer company registration no. / CVR-nummer
	C080 3036 C080 3036	Consumer party name / Disponentnavn Second consumer party name / Andet disponentnavn	This is the name of the person/company that is allowed to choose a Balance Supplier for a metering point. If a co-ordinated person is registered, the name of this person can either be a part of the part name or be an independent name.	Consumer party name / Disponentnavn
	C059 3042 C059 3042 C059 3042 C059 3042	Street name line 1 Street name line 2 House number Coded address	<p>This is the contact address for the customer in moving. 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. The house number does not need to be present, if this is not recorded in the system.</p> <p>In the fourth of repetition of C059/3042 it is possible to state coded address configured as address codes from the</p>	Consumer party contact address / Disponent adresse
	3164 3251 3207	City name (for example Fredericia) Postal code (fx 7000) DK		

Segment	Data Element		Description	Attribute
	Identification	Content		
			CPR register separated by semicolon as follows: Municipality code; (n4) Street code; (n4) House number; (an4) Floor; (an4) Direction/door number; (an4) Country code must be stated as two letter ISO 3166 country code.	
<b>SG 12</b> <b>NAD</b> Occurrence 4	3035 C082 3039 C082 3055	'DDQ' = Balance supplier (Balance power supplier) / EI-leverandør/gas-leverandør Balance supplier ID '9' = EAN (International Article Numbering association) '305' = ETSO (EIC, ETSO Identification Code)	The party id of the Balance Supplier for the metering point. Both EAN-GLN and EIC can be used.	Balance supplier party id / Leverandør id
<b>SG 0</b> <b>UNT</b>	0074 0062	Number of segments in the message Message reference number	The message reference should be equal to SG 0 UNH 0062.	<i>Not specified in the dependency matrix, but must be included in the message</i>