Message Guide

REQEST (English Version)

auf Basis

ORDERS
Purchase order message

UN D.07A S3

Version:	5.0
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Author:	THE

1 Introduction

1 Introduction

If bilateral agreements exist, the orderer will use the REQEST message to send his takeover options or his order for a shipper reported availability during a specified period. In case of changed availability it may be necessary that changed takeover facilities and / or quality-reduced gas (lower calorific value) require a new REQEST.

1.1 Functional description

This message will be used by the purchaser to inform the shipper about the need for the delivery of gas to one or more grid points during a specified period of time. The here listed definition of this message describes the common practice in the gas industry. However, it does not exclude a use between other market participants than those mentioned in this description.

1.2 Principles

If bilateral agreements exist, the orderer will use the REQEST message to send his takeover options or his order for a shipper reported availability during a specified period. In case of changed availability it may be necessary that changed takeover facilities and / or quality-reduced gas (lower calorific value) require a new REQEST.

1.3 Field of application

The REQEST information relates to a specified period of time. The message can be used to supply the shipper with the shipper accounts to which the gas quantities are to be delivered. In most cases this message triggers a reply message at the receiver. This answer is the request confirmation Message REQRES.

1.4 References

The content of the REQEST message is based on:

- The EDIFACT UNSM ORDERS 07A definition as published by UN / CEFACT.
- The definition of terms and codes as defined by the 'Message and Workflow Design Working Group'.

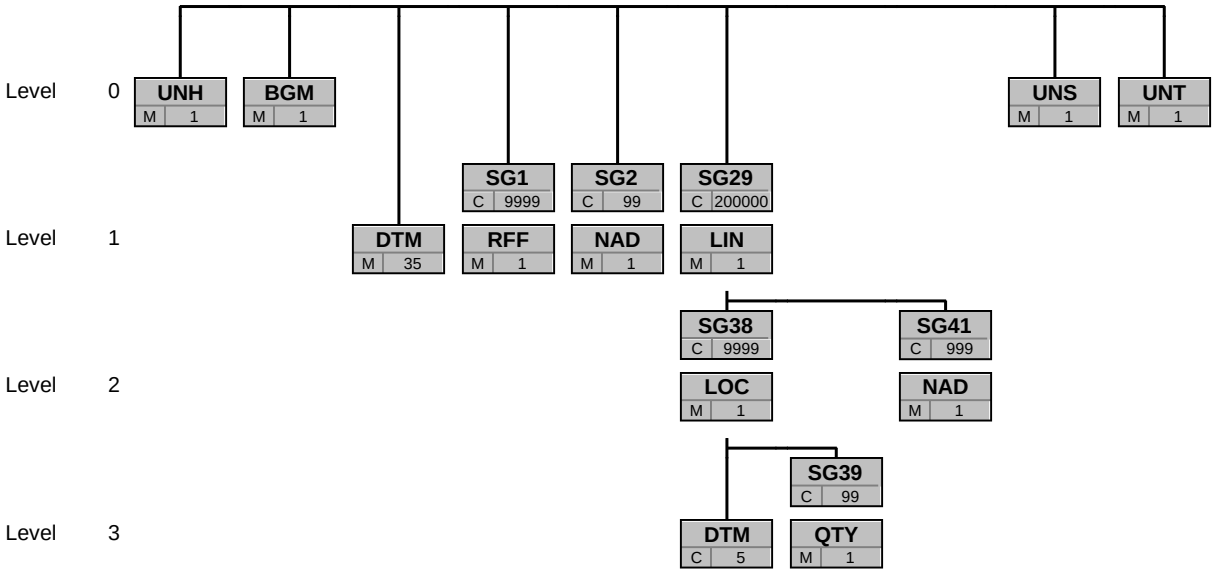
2 Message Structure

Count	Nr	Seg	St	/ DVGW	MaxRep	/ DVGW	Level	Content
0010	1	**UNH**	M	**M**	1	**1**	0	Opening, identifikation, specification
0020	2	**BGM**	M	**M**	1	**1**	0	Type, function, unique number of the message
0030	3	**DTM**	M	**M**	35	**1**	1	Time zone
0030	4	**DTM**	M	**M**	35	**1**	1	Date and time of the message
0030	5	**DTM**	M	**M**	35	**1**	1	Period of validity
0090		**SG1**	C	**R**	9999	**1**	1	Contract reference
0100	6	**RFF**	M	**M**	1	**1**	1	Contract reference
0120		**SG2**	C	**R**	99	**1**	1	Buyer
0130	7	**NAD**	M	**M**	1	**1**	1	Buyer
0120		**SG2**	C	**R**	99	**1**	1	Seller
0130	8	**NAD**	M	**M**	1	**1**	1	Seller
1100		**SG29**	C	**R**	200000	**200000**	1	LIN
1110	9	**LIN**	M	**M**	1	**1**	1	Position number
1630		**SG38**	C	**R**	9999	**9999**	2	LOC-DTM-SG39
1640	10	**LOC**	M	**M**	1	**1**	2	Location
1660	11	**DTM**	C	**R**	5	**1**	3	Date, time, period of the following quantities
1670		**SG39**	C	**R**	99	**1**	3	Quantity
1680	12	**QTY**	M	**M**	1	**1**	3	Quantity
1740		**SG41**	C	**R**	999	**1**	2	NAD
1750	13	**NAD**	M	**M**	1	**1**	2	Nomination qualifier
2490	14	**UNS**	M	**M**	1	**1**	0	Section control
2560	15	**UNT**	M	**M**	1	**1**	0	Message trailer

Seg = Segment
Counter = Number of Segment
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

3 Diagram



Seg	
St	MaxRep

Seg = Segment
St = Status as defined by UN/CEFACT (M=Muss/Mandatory, C=Conditional)
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT

4 Segment layout

Counte	Nr	Seg	Standard St	Standard MaxRep	DVGW St	DVGW MaxRep	Level	Name
0010	1	**UNH**	M	1	M	1	0	**Opening, identifikation, specification**

Bez	Name	Standard St Format	DVGW St Format	Application / Remark
UNH				
0062	Nachrichten-Referenznummer	M an..14	M an..14	Message reference number *Unique reference number generated by the sender.*
S009	Nachrichten-Kennung	M	M	
0065	Nachrichtentyp-Kennung	M an..6	M an..6	**ORDERS Purchase Order**
0052	Versionsnummer des Nachrichtentyps	M an..3	M an..3	**D Directory**
0054	Freigabenummer des Nachrichtentyps	M an..3	M an..3	**07A Directory Release**
0051	Verwaltende Organisation	M an..2	M an..2	**UN UN/ECE**
0057	Anwendungscode der zuständigen Organisation	C an..6	R an..6	**MGV18 Bilateral abgestimmtes Format für den Datenaustausch mit dem MGV, Stand 01.12. 2018**

Explanatory notes:

Example:

```
UNH+123456+ORDERS:D:07A:UN:MGV18'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

Counte	Nr	Seg	Standard St	Standard MaxRep	DVGW St	DVGW MaxRep	Level	Name
0020	2	**BGM**	M	1	M	1	0	**Type, function, unique number of the message**

		Standard		DVGW	
Bez	Name	St	Format	St	Format	Application / Remark
BGM						
C002	Dokumenten-/ Nachrichtenname	C		R		
1001	Dokumentenname, Code	C	an..3	R	an..3	**38G Bestellung (verbindlich)**
1131	Codeliste, Code	C	an..17	N		Nicht benutzt
3055	Verantwortliche Stelle für die Codepflege, Code	C	an..3	C	an..3	**332 DE, DVGW Service & Consult GmbH**
C106	Dokumenten-/Nachrichten-Identifikation	C		R		
1004	Dokumentennummer	C	an..35	R	an..35	*REQEST + distinct identification. The sender must ensure that this identification is unique.*

Explanatory notes:

Example:

```
BGM+38G::332+REQEST123456'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

			Standard		DVGW			
Counte	**Nr**	**Seg**	**St**	**MaxRep**	**St**	**MaxRep**	**Level**	**Name**
0030	3	**DTM**	M	35	M	1	1	**Time zone**

		Standard		DVGW		
Bez	Name	St	Format	St	Format	Application / Remark
DTM						
C507	Datum/Uhrzeit/Zeitspanne	M		M		
2005	Datums- oder Uhrzeits- oder Zeitspannen-Funktion, Qualifier	M	an..3	M	an..3	**Z05 Zeitzonen-Definition**
2380	Datum oder Uhrzeit oder Zeitspanne, Wert	C	an..35	C	an..35	**0 UTC**
2379	Datums- oder Uhrzeit- oder Zeitspannen-Format, Code	C	an..3	R	an..3	**805 Stunden**

Explanatory notes:

Example:

```
DTM+Z05:0:805'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

Counte	Nr	Seg	Standard St	Standard MaxRep	DVGW St	DVGW MaxRep	Level	Name
0030	4	**DTM**	M	35	M	1	1	**Date and time of the message**

		Standard		DVGW		
Bez	Name	St	Format	St	Format	Application / Remark
DTM						
C507	Datum/Uhrzeit/Zeitspanne	M		M		
2005	Datums- oder Uhrzeits- oder Zeitspannen-Funktion, Qualifier	M	an..3	M	an..3	**137 Dokumenten-/Nachrichtendatum/-zeit**
2380	Datum oder Uhrzeit oder Zeitspanne, Wert	C	an..35	R	an..35	
2379	Datums- oder Uhrzeit- oder Zeitspannen-Format, Code	C	an..3	R	an..3	**203 CCYYMMDDHHMM**

Explanatory notes:

Example:

```
DTM+137:201810151200:203'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

Counte	Nr	Seg	Standard St	Standard MaxRep	DVGW St	DVGW MaxRep	Level	Name
0030	5	**DTM**	M	35	M	1	1	**Period of validity**

Bez	Name	Standard St	Standard Format	DVGW St	DVGW Format	Application / Remark
DTM						
C507	Datum/Uhrzeit/Zeitspanne	M		M		
2005	Datums- oder Uhrzeits- oder Zeitspannen-Funktion, Qualifier	M	an..3	M	an..3	**Z01 Gültigkeitszeitraum**
2380	Datum oder Uhrzeit oder Zeitspanne, Wert	C	an..35	R	an..35	
2379	Datums- oder Uhrzeit- oder Zeitspannen-Format, Code	C	an..3	R	an..3	**719 CCYYMMDDHHMMCCYYMMDDHHMM**

Explanatory notes:

Example:

```
DTM+Z01:201810150400201810150500:719'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

			Standard		DVGW			
Counte	**Nr**	**Seg**	**St**	**MaxRep**	**St**	**MaxRep**	**Level**	**Name**
0090		**SG1**	C	9999	R	1	1	**Contract reference**
0100	6	**RFF**	M	1	M	1	1	**Contract reference**

		Standard	DVGW	
Bez	Name	St Format	St Format	Application / Remark
RFF				
C506	Referenz	M	M	
1153	Referenz, Qualifier	M an..3	M an..3	**CT Einzelvertrag**
1154	Referenz, Identifikation	C an..70	R an..70	*Contract reference*

Explanatory notes:

Example:

```
RFF+CT:THE0BFH123456789'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

			Standard		DVGW			
Counte	**Nr**	**Seg**	**St**	**MaxRep**	**St**	**MaxRep**	**Level**	**Name**
0120		**SG2**	C	99	R	1	1	**Buyer**
0130	7	**NAD**	M	1	M	1	1	**Buyer**

		Standard		DVGW	
Bez	Name	St	Format	St Format	Application / Remark
NAD					
3035	Beteiligter, Qualifier	M	an..3	M an..3	**BY Käufer**
C082	Identifikation des Beteiligten	C		R	
3039	Beteiligter, Identifikation	M	an..35	M an..35	
1131	Codeliste, Code	C	an..17	N	Nicht benutzt
3055	Verantwortliche Stelle für die Codepflege, Code	C	an..3	R an..3	**332 DE, DVGW Service & Consult GmbH**

Explanatory notes:
Buyer is always THE

Example:
```
NAD+BY+9800505300009::332'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

			Standard		DVGW			
Counte	**Nr**	**Seg**	**St**	**MaxRep**	**St**	**MaxRep**	**Level**	**Name**
0120		**SG2**	C	99	R	1	1	**Seller**
0130	8	**NAD**	M	1	M	1	1	**Seller**

		Standard	DVGW	
Bez	Name	St Format	St Format	Application / Remark
NAD				
3035	Beteiligter, Qualifier	M an..3	M an..3	**SE Verkäufer**
C082	Identifikation des Beteiligten	C	R	
3039	Beteiligter, Identifikation	M an..35	M an..35	
1131	Codeliste, Code	C an..17	N	Nicht benutzt
3055	Verantwortliche Stelle für die Codepflege, Code	C an..3	R an..3	**9 GS1** **332 DE, DVGW Service & Consult GmbH**

Explanatory notes:
Seller is always provider/supplier of balancing gas.

Example:
```
NAD+SE+9800123456789::332'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

			Standard		DVGW			
Counte	**Nr**	**Seg**	**St**	**MaxRep**	**St**	**MaxRep**	**Level**	**Name**
1100		**SG29**	C	200000	R	200000	1	**LIN**
1110	9	**LIN**	M	1	M	1	1	**Position number**

		Standard	DVGW	
Bez	Name	St Format	St Format	Application / Remark
LIN				
1082	Positionsnummer	C an..6	R an..6	*Sequential number (1 to n)*

Explanatory notes:
LIN-1082 is an identification assigned by the sender of the message. It is used to unequivocally identify every occurence of a position number.THE recommends a numerical seqence starting with '1' and increasing incrementally by '1' for every further occurence of a LIN segment.

Example:
```
LIN+1'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

Counte	Nr	Seg	Standard St	Standard MaxRep	DVGW St	DVGW MaxRep	Level	Name
1100		**SG29**	C	200000	R	200000	1	**LIN**
1630		**SG38**	C	9999	R	9999	2	**LOC-DTM-SG39**
1640	10	**LOC**	M	1	M	1	2	**Location**

Bez	Name	Standard St Format	DVGW St Format	Application / Remark
LOC				
3227	Ortsangabe, Qualifier	M an..3	M an..3	*Code for the identification of a location.* **Z19 Netzkopplungspunkt**
C517	Ortsangabe	C	C	
3225	Ortsangabe, Nummer	C an..35	C an..35	*VTP nomination qualifier*
1131	Codeliste, Code	C an..17	N	Nicht benutzt
3055	Verantwortliche Stelle für die Codepflege, Code	C an..3	C an..3	**332 DE, DVGW Service & Consult GmbH**

Explanatory notes:
37Z005053MH0000D = VTP-nominination qualifier for H-Gas and L-Gas

Example:
```
LOC+Z19+37Z005053MH0000D::332'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

Counte	Nr	Seg	Standard St	Standard MaxRep	DVGW St	DVGW MaxRep	Level	Name
1100		**SG29**	C	200000	R	200000	1	**LIN**
1630		**SG38**	C	9999	R	9999	2	**LOC-DTM-SG39**
1660	11	**DTM**	C	5	R	1	3	**Date, time, period of the following quantities**

Bez	Name	Standard St Format	DVGW St Format	Application / Remark
DTM				
C507	Datum/Uhrzeit/Zeitspanne	M	M	
2005	Datums- oder Uhrzeits- oder Zeitspannen-Funktion, Qualifier	M an..3	M an..3	**2 Liefertermin (-datum/ -zeit), gewünschter**
2380	Datum oder Uhrzeit oder Zeitspanne, Wert	C an..35	R an..35	
2379	Datums- oder Uhrzeit- oder Zeitspannen-Format, Code	C an..3	R an..3	**719 CCYYMMDDHHMMCCYYMMDDHHMM**

Explanatory notes:

Example:

```
DTM+2:201810150400201810150500:719'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

Counte	Nr	Seg	Standard St	Standard MaxRep	DVGW St	DVGW MaxRep	Level	Name
1100		**SG29**	C	200000	R	200000	1	**LIN**
1630		**SG38**	C	9999	R	9999	2	**LOC-DTM-SG39**
1670		**SG39**	C	99	R	1	3	**Quantity**
1680	12	**QTY**	M	1	M	1	3	**Quantity**

Bez	Name	Standard St Format	DVGW St Format	Application / Remark
QTY				
C186	Mengenangaben	M	M	
6063	Menge, Qualifier	M an..3	M an..3	**1 Diskrete Menge**
6060	Menge	M an..35	M an..35	*Quantity as an integer value*
6411	Maßeinheit, Code	C an..8	R an..8	**KW1 Kilowattstunden pro Stunde (kWh/h)**

Explanatory notes:
Only one quantity per LOC in segment group 36 is allowed.

Example:
```
QTY+1:2222:KW1'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

Counte	Nr	Seg	Standard St	Standard MaxRep	DVGW St	DVGW MaxRep	Level	Name
1100		**SG29**	C	200000	R	200000	1	**LIN**
1740		**SG41**	C	999	R	1	2	**NAD**
1750	13	**NAD**	M	1	M	1	2	**Nomination qualifier**

Bez	Name	Standard St Format	DVGW St Format	Application / Remark
NAD				
3035	Beteiligter, Qualifier	M an..3	N	Nicht benutzt
C082	Identifikation des Beteiligten	C	R	
3039	Beteiligter, Identifikation	M an..35	M an..35	*Nomination qualifier*
1131	Codeliste, Code	C an..17	N	Nicht benutzt
3055	Verantwortliche Stelle für die Codepflege, Code	C an..3	R an..3	**ZZZ**

Explanatory notes:
Example for the structure of a nomination qualifier for SystemBuy (Supply by the balancing gas supplier, purchase by the MAM)

TRADERRPHS001
TRADER: Systemname of the balancing gas supplier
R: Product, here: Rest of the Day
P: Direction, here: Provision
HS: Supply zone, here: H-Gas Süd
001: Sequential number

Example for the structure of a nomination qualifier for SystemBell (Supply by the MAM, purchase by the balancing gas supplier)

TRADERSOWV001
TRADER: Systemname of the balancing gas supplier
S: Product, here: Hourly
O: Direction, here: Offtake
WV: Supply zone, here: Winterswijk/Vreden
001: Sequential number

Example:

```
NAD++TRADERRPHS001::ZZZ'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

			Standard		DVGW			
Counte	**Nr**	**Seg**	**St**	**MaxRep**	**St**	**MaxRep**	**Level**	**Name**
2490	14	**UNS**	M	1	M	1	0	**Section control**

		Standard		DVGW	
Bez	Name	St	Format	St	Format	Application / Remark
UNS						
0081	Abschnittskennung, codiert	M	a1	M	a1	Section identification **S Detail/Schlussteil-Trennung**

Explanatory notes:

Example:

```
UNS+S'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

4 Segment layout

Counte	Nr	Seg	Standard St	Standard MaxRep	DVGW St	DVGW MaxRep	Level	Name
2560	15	**UNT**	M	1	M	1	0	**Message trailer**

Bez	Name	Standard St Format	DVGW St Format	Application / Remark
UNT				
0074	Anzahl der Segmente in einer Nachricht	M n..6	M n..6	
0062	Nachrichten-Referenznummer	M an..14	M an..14	*Unique reference number generated by the sender. Must be identical with the reference given in UNH-0062.*

Explanatory notes:
Number of segments in the message (including UNH & UNT)

Example:
```
UNT+15+123456'
```

Bez = Object identifier
Nr = Sequential segment number in the guide
MaxRep = Maximum repetitions of the segment as defined by UN/CEFACT
Counter = Number of Segment

St = Status
EDIFACT: M=Muss/Mandatory, C=Conditional
Anwendung: R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, N=Nicht benutzt/Not used

5 Applications

EDIFACT Structure			Description		Balancing gas demand
			Communication from		MAM to BGM
Opening, identifikation, specification					
UNH					Muss
UNH	**0062**		Message reference number		X
UNH	**0065**		**ORDERS**	Purchase Order	X
UNH	**0052**		**D**	Directory	X
UNH	**0054**		**07A**	Directory Release	X
UNH	**0051**		**UN**	UN/ECE	X
UNH	**0057**		**MGV18**	Bilateral abgestimmtes Format für den Datenaustausch mit dem MGV, Stand 01.12.2018	X
Type, function, unique number of the message					
BGM					Muss
BGM	**1001**		**38G**	Bestellung (verbindlich)	X
BGM	**3055**		**332**	DE, DVGW Service & Consult GmbH	X
BGM	**1004**		Document identifier		X
Time zone					
DTM					Muss
DTM	**2005**		**Z05**	Zeitzonen-Definition	X
DTM	**2380**		**0**	UTC	X
DTM	**2379**		**805**	Stunden	X
Date and time of the message					
DTM					Muss
DTM	**2005**		**137**	Dokumenten-/ Nachrichtendatum/-zeit	X
DTM	**2380**		Date or time or period text		X
DTM	**2379**		**203**	CCYYMMDDHHMM	X
Period of validity					
DTM					Muss
DTM	**2005**		**Z01**	Gültigkeitszeitraum	X
DTM	**2380**		Date or time or period text		X
DTM	**2379**		**719**	CCYYMMDDHHMMCCYYMMDDHHMM	X
Contract reference					
SG1					**Muss**
SG1	**RFF**				Muss
SG1	RFF	**1153**	**CT**	Einzelvertrag	X
SG1	RFF	**1154**	Reference identifier		X
Buyer					
SG2					**Muss**
SG2	**NAD**				Muss
SG2	NAD	**3035**	**BY**	Käufer	X
SG2	NAD	**3039**	Party identifier		X
SG2	NAD	**3055**	**332**	DE, DVGW Service & Consult GmbH	X
Seller					
SG2					**Muss**

5 Applications

EDIFACT Structure			Description Communication from		Balancing gas demand MAM to BGM
SG2	**NAD**				Muss
SG2	NAD	**3035**	**SE**	Verkäufer	X
SG2	NAD	**3039**	Party identifier		X
SG2	NAD	**3055**	**9** **332**	GS1 DE, DVGW Service & Consult GmbH	X X
Position number					
SG29					**Muss**
SG29	**LIN**				Muss
SG29	LIN	**1082**	Line item identifier		X
Location					
SG38					
SG38	**LOC**				Muss
SG38	LOC	**3227**	**Z19**	Netzkopplungspunkt	X
SG38	LOC	**3225**	Location identifier		X
SG38	LOC	**3055**	**332**	DE, DVGW Service & Consult GmbH	X
Date, time, period of the following quantities					
SG38					
SG38	**DTM**				Muss
SG38	DTM	**2005**	**2**	Liefertermin (-datum/ -zeit), gewünschter	X
SG38	DTM	**2380**	Date or time or period text		X
SG38	DTM	**2379**	**719**	CCYYMMDDHHMMCCYYMMDDHHMM	X
Quantity					
SG39					**Muss**
SG39	**QTY**				Muss
SG39	QTY	**6063**	**1**	Diskrete Menge	X
SG39	QTY	**6060**	Quantity		X
SG39	QTY	**6411**	**KW1**	Kilowattstunden pro Stunde (kWh/h)	X
Nomination qualifier					
SG41					**Muss**
SG41	**NAD**				Muss
SG41	NAD	**3039**	Party identifier		X
SG41	NAD	**3055**	**ZZZ**		X
Section control					
	UNS				Muss
	UNS	**0081**	**S**	Detail/Schlussteil-Trennung	X
Message trailer					
	UNT				Muss
	UNT	**0074**	Number of segments in the message		X
	UNT	**0062**	Message reference number		X

6 Example message

```
UNB+UNOA:1+9800505300009:502+9800123456789:502+181201:1457+654321'
UNH+123456+ORDERS:D:07A:UN:MGV18'
BGM+38G::321+REQEST123456'
DTM+Z05:0:805'
DTM+137:201810151200:203'
DTM+Z01:20181015040020181016040 0:719'
RFF+CT:THE0BFH123456789'
NAD+BY+9800505300009::332'
NAD+SE+9800123456789::332'
LIN+1'
LOC+Z19+37Z005053MH0000D::332'
DTM+2:20181015040020181015050 0:719'
QTY+1:2222:KW1'
NAD++TRADERRPHS001::ZZZ'
UNS+S'
UNT+15+123456'
UNZ+1+654321'
```