

**Manual for the Electronic Mobile Phone Invoice Information**

**- Call Details -**

Electronic Data Exchange  
with  
**EDIFACT INVOIC UN D.01B**  
between  
Vodafone GmbH  
and  
Vodafone Customers

Versions : ELM113 (new for all messages)

Document Version : 1.5b

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**1 Change History**

Change History Version	Date	Change Description	Name / Department
1.0	14.07.2015	Initial creation of document for ELM10 based on EDIFACT INVOIC UN D01 B S3	
1.1	10.10.2017	Enhancement for data volume information Amended segments UNH (version), IMD and QTY Sample message updated	M. Lala Axway GmbH
1.2	19.04.2018	Enhancements for M2M (IoT) billing: Changes were implied on the segments, BGM, FTX, RFF and COM at header level. Also on segments PIA, QTY, RFF and LOC at position level.	M. Lala Axway GmbH
1.3	01.06.2018	Only ONE document for Version ELM11 (standard mobile) and ELM12 (M2M/IoT)	B. Bendisch
1.4	17.12.2018	Enhancements for M2M (IoT) billing: New qualifier for IMD segment	M. Lala Axway GmbH
1.4b	18.12.2018	Add-on in example file M2M	B. Bendisch
1.5	05.08.2020	ELM13 for all messages Max. repetition of the DTM segment in SG0 set to 10	M. Lala Axway GmbH
1.5b	14.04.2023	Adding chap. 2 contact partner / new chapter structure	B.Bendisch/ P. Carrilho

## **2 Contact partner**

If you have any questions, please contact your Vodafone customer service, who will forward them.

Alternatively, use the (german) contact form at:

[www.vodafone.de/business-formular](http://www.vodafone.de/business-formular)

### **3 Introduction**

The explanatory notes to this document are included in the “Manual for the electronic mobile phone invoice information – Invoice”.

M2M/IoT connection messages have a different structure. Therefore, M2M/IoT connection messages are labeled with an additional data field in the BGM segment, with the value "M2M".

Unlike standard connection messages, the cost center is not the mobile phone number (MSISDN) but the "IMSI" number in segment 32 (RFF).

The new version 1.3 (ELMI13) harmonizes the M2M (IoT) and standard mobile invoices.

**4 Message Structure**

Message Structure							
Counter	No	Tag	St	MaxOcc	Level	Content	
01	1	UNA	C	1	0	Service string advice	
01	2	UNB	M	1	0	Interchange header	
01	3	UNH	M	1	0	Message header	
01	4	BGM	M	1	0	Beginning of message	
01	5	DTM	M	10	1	Date/time/period	
01	6	PAI	I	1	0	Payment instructions	
01	7	ALI	X	5	1	Additional information	
01	8	IMD	X	1	0	Item description	
01	9	FTX	C	99	1	Free text	
01	10	LOC	X	10	1	Place/location identification	
01	11	GIS	X	10	1	General indicator	
01	12	DGS	X	1	0	Dangerous goods	
01	13	GIR	X	10	1	Related identification numbers	
<b>1</b>	<b>SG1</b>	<b>C</b>	<b>99999</b>	<b>1</b>	<b>1</b>	<b>RFF-DTM-GIR-LOC-MEA-QTY-FTX-MOA-RTE</b>	
01	14	RFF	M	1	1	Reference	
02	15	DTM	X	5	2	Date/time/period	
02	16	GIR	X	5	2	Related identification numbers	
02	17	LOC	X	2	2	Place/location identification	
01	18	MEA	X	5	2	Measurements	
01	19	QTY	X	2	2	Quantity	
02	20	FTX	X	5	2	Free text	
01	21	MOA	X	2	2	Monetary amount	
01	22	RTE	X	99	2	Rate details	
<b>0220</b>	<b>SG2</b>	<b>C</b>	<b>99</b>	<b>1</b>	<b>1</b>	<b>NAD-LOC-FII-MOA-SG3-SG4-SG5</b>	
01	23	NAD	M	1	1	Name and address	
03	24	LOC	X	25	2	Place/location identification	
01	25	FII	I	5	2	Financial institution information	
02	26	MOA	X	99	2	Monetary amount	
<b>3</b>	<b>SG3</b>	<b>C</b>	<b>9999</b>	<b>2</b>	<b>2</b>	<b>RFF-DTM</b>	
02	27	RFF	M	1	2	Reference	
03	28	DTM	X	5	3	Date/time/period	
<b>4</b>	<b>SG4</b>	<b>X</b>	<b>5</b>	<b>2</b>	<b>2</b>	<b>DOC-DTM</b>	
01	29	DOC	X	1	2	Document/message details	
04	30	DTM	X	5	3	Date/time/period	
<b>5</b>	<b>SG5</b>	<b>C</b>	<b>5</b>	<b>2</b>	<b>2</b>	<b>CTA-COM</b>	
01	31	CTA	M	1	2	Contact information	
01	32	COM	C	5	3	Communication contact	
<b>6</b>	<b>SG6</b>	<b>X</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>TAX-MOA-LOC</b>	
01	33	TAX	X	1	1	Duty/tax/fee details	

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

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Counter	No	Tag	St	MaxOcc	Level	Content
03	34	MOA	X	1	2	Monetary amount
04	35	LOC	X	5	2	Place/location identification
<b>7</b>	<b>SG7</b>	<b>C</b>	<b>99</b>	<b>1</b>	<b>CUX-DTM</b>	
01	36	CUX	M	1	1	Currencies
05	37	DTM	X	5	2	Date/time/period
<b>8</b>	<b>SG8</b>	<b>X</b>	<b>10</b>	<b>1</b>	<b>PAT-DTM-PCD-MOA-PAI-FII</b>	
01	38	PAT	X	1	1	Payment terms basis
06	39	DTM	X	5	2	Date/time/period
01	40	PCD	X	1	2	Percentage details
04	41	MOA	X	1	2	Monetary amount
02	42	PAI	X	1	2	Payment instructions
02	43	FII	X	1	2	Financial institution information
<b>9</b>	<b>SG9</b>	<b>X</b>	<b>10</b>	<b>1</b>	<b>TDT-TSR-SG10-SG11</b>	
01	44	TDT	X	1	1	Details of transport
01	45	TSR	X	1	2	Transport service requirements
<b>10</b>	<b>SG10</b>	<b>X</b>	<b>10</b>	<b>2</b>	<b>LOC-DTM</b>	
05	46	LOC	X	1	2	Place/location identification
07	47	DTM	X	5	3	Date/time/period
<b>11</b>	<b>SG11</b>	<b>X</b>	<b>9999</b>	<b>2</b>	<b>RFF-DTM</b>	
03	48	RFF	X	1	2	Reference
08	49	DTM	X	5	3	Date/time/period
<b>12</b>	<b>SG12</b>	<b>X</b>	<b>5</b>	<b>1</b>	<b>TOD-LOC</b>	
01	50	TOD	X	1	1	Terms of delivery or transport
06	51	LOC	X	2	2	Place/location identification
<b>13</b>	<b>SG13</b>	<b>X</b>	<b>99</b>	<b>1</b>	<b>EQD-SEL</b>	
01	52	EQD	X	1	1	Equipment details
01	53	SEL	X	9	2	Seal number
<b>14</b>	<b>SG14</b>	<b>X</b>	<b>1000</b>	<b>1</b>	<b>PAC-MEA-EQD-SG15</b>	
01	54	PAC	X	1	1	Package
02	55	MEA	X	5	2	Measurements
02	56	EQD	X	1	2	Equipment details
<b>15</b>	<b>SG15</b>	<b>X</b>	<b>5</b>	<b>2</b>	<b>PCI-RFF-DTM-GIN</b>	
01	57	PCI	X	1	2	Package identification
04	58	RFF	X	1	3	Reference
09	59	DTM	X	5	3	Date/time/period
01	60	GIN	X	5	3	Goods identity number
<b>16</b>	<b>SG16</b>	<b>X</b>	<b>9999</b>	<b>1</b>	<b>ALC-ALI-FTX-SG17-SG18-SG19-SG20-SG21-SG22</b>	
01	61	ALC	X	1	1	Allowance or charge
02	62	ALI	X	5	2	Additional information
03	63	FTX	X	1	2	Free text

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	17	<b>SG17</b>	X	5	2	RFF-DTM	
	05	64	RFF	X	1	2	Reference
	10	65	DTM	X	5	3	Date/time/period
	18	<b>SG18</b>	X	1	2	QTY-RNG	
	02	66	QTY	X	1	2	Quantity
	01	67	RNG	X	1	3	Range details
	19	<b>SG19</b>	X	1	2	PCD-RNG	
	02	68	PCD	X	1	2	Percentage details
	02	69	RNG	X	1	3	Range details
	20	<b>SG20</b>	X	2	2	MOA-RNG-CUX-DTM	
	05	70	MOA	X	1	2	Monetary amount
	03	71	RNG	X	1	3	Range details
	02	72	CUX	X	1	3	Currencies
	11	73	DTM	X	1	3	Date/time/period
	21	<b>SG21</b>	X	1	2	RTE-RNG	
	02	74	RTE	X	1	2	Rate details
	04	75	RNG	X	1	3	Range details
	22	<b>SG22</b>	X	5	2	TAX-MOA	
	02	76	TAX	X	1	2	Duty/tax/fee details
	06	77	MOA	X	1	3	Monetary amount
	23	<b>SG23</b>	X	100	1	RCS-RFF-DTM-FTX	
	01	78	RCS	X	1	1	Requirements and conditions
	06	79	RFF	X	5	2	Reference
	12	80	DTM	X	5	2	Date/time/period
	04	81	FTX	X	5	2	Free text
	24	<b>SG24</b>	X	1	1	AJT-FTX	
	01	82	AJT	X	1	1	Adjustment details
	05	83	FTX	X	5	2	Free text
	25	<b>SG25</b>	X	1	1	INP-FTX	
	01	84	INP	X	1	1	Parties and instruction
	06	85	FTX	X	5	2	Free text
	26	<b>SG26</b>	C	9999999	1	LIN-PIA-PGI-IMD-MEA-QTY-PCD-ALI-DTM-GIN-GIR-QVR-EQD-FTX-DGS-SG27-SG28-SG29-SG30-SG31-SG33-SG34-SG35-SG39-SG45-SG47-SG48-SG49	
	01	86	LIN	M	1	1	Line item
	01	87	PIA	C	25	2	Additional product id
	01	88	PGI	X	99	2	Product group information
	02	89	IMD	C	99	2	Item description
	03	90	MEA	X	5	2	Measurements
	03	91	QTY	C	5	2	Quantity

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Counter	No	Tag	St	MaxOcc	Level	Content
03	92	PCD	X	1	2	Percentage details
03	93	ALI	X	5	2	Additional information
13	94	DTM	C	35	2	Date/time/period
02	95	GIN	X	1000	2	Goods identity number
03	96	GIR	X	1000	2	Related identification numbers
01	97	QVR	X	1	2	Quantity variances
03	98	EQD	X	1	2	Equipment details
07	99	FTX	C	5(99)	2	Free text
02	100	DGS	X	1	2	Dangerous goods
27		<b>SG27</b>	<b>C</b>	<b>99</b>	<b>2</b>	<b>MOA-CUX</b>
07	101	MOA	M	1	2	Monetary amount
03	102	CUX	X	1	3	Currencies
28		<b>SG28</b>	<b>X</b>	<b>10</b>	<b>2</b>	<b>PAT-DTM-PCD-MOA</b>
02	103	PAT	M	1	2	Payment terms basis
14	104	DTM	X	5	3	Date/time/period
04	105	PCD	X	99	3	Percentage details
08	106	MOA	X	1	3	Monetary amount
29		<b>SG29</b>	<b>I</b>	<b>25</b>	<b>2</b>	<b>PRI-CUX-APR-RNG-DTM</b>
01	107	PRI	I	1	2	Price details
04	108	CUX	X	1	3	Currencies
01	109	APR	X	1	3	Additional price information
05	110	RNG	X	1	3	Range details
15	111	DTM	X	5	3	Date/time/period
30		<b>SG30</b>	<b>X</b>	<b>10</b>	<b>2</b>	<b>RFF-DTM</b>
07	112	RFF	X	1	2	Reference
16	113	DTM	X	5	3	Date/time/period
31		<b>SG31</b>	<b>X</b>	<b>10</b>	<b>2</b>	<b>PAC-MEA-EQD-SG32</b>
02	114	PAC	X	1	2	Package
04	115	MEA	X	10	3	Measurements
04	116	EQD	X	1	3	Equipment details
32		<b>SG32</b>	<b>X</b>	<b>10</b>	<b>3</b>	<b>PCI-RFF-DTM-GIN</b>
02	117	PCI	X	1	3	Package identification
08	118	RFF	X	1	4	Reference
17	119	DTM	X	5	4	Date/time/period
03	120	GIN	X	10	4	Goods identity number
33		<b>SG33</b>	<b>C</b>	<b>3(9999)</b>	<b>2</b>	<b>LOC-QTY-DTM</b>
07	121	LOC	M	1	2	Place/location identification
04	122	QTY	X	100	3	Quantity
18	123	DTM	X	5	3	Date/time/period
34		<b>SG34</b>	<b>I</b>	<b>99</b>	<b>2</b>	<b>TAX-MOA-LOC</b>

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Counter	No	Tag	St	MaxOcc	Level	Content	
	03	124	TAX	I	1	2	Duty/tax/fee details
	09	125	MOA	X	2	3	Monetary amount
	08	126	LOC	X	5	3	Place/location identification
	35	SG35	X	99	2	NAD-LOC-FII-SG36-SG37-SG38	
	02	127	NAD	X	1	2	Name and address
	09	128	LOC	X	5	3	Place/location identification
	03	129	FII	X	5	3	Financial institution information
	36	SG36	X	5	3	RFF-DTM	
	09	130	RFF	X	1	3	Reference
	19	131	DTM	X	5	4	Date/time/period
	37	SG37	X	5	3	DOC-DTM	
	02	132	DOC	X	1	3	Document/message details
	20	133	DTM	X	5	4	Date/time/period
	38	SG38	X	5	3	CTA-COM	
	02	134	CTA	X	1	3	Contact information
	02	135	COM	X	5	4	Communication contact
	39	SG39	X	30	2	ALC-ALI-DTM-FTX-SG40-SG41-SG42-SG43-SG44	
	02	136	ALC	X	1	2	Allowance or charge
	04	137	ALI	X	5	3	Additional information
	21	138	DTM	X	5	3	Date/time/period
	08	139	FTX	X	1	3	Free text
	40	SG40	X	1	3	QTY-RNG	
	05	140	QTY	X	1	3	Quantity
	06	141	RNG	X	1	4	Range details
	41	SG41	X	1	3	PCD-RNG	
	05	142	PCD	X	1	3	Percentage details
	07	143	RNG	X	1	4	Range details
	42	SG42	X	2	3	MOA-RNG-CUX-DTM	
	10	144	MOA	X	1	3	Monetary amount
	08	145	RNG	X	1	4	Range details
	05	146	CUX	X	1	4	Currencies
	22	147	DTM	X	1	4	Date/time/period
	43	SG43	X	1	3	RTE-RNG	
	03	148	RTE	X	1	3	Rate details
	09	149	RNG	X	1	4	Range details
	44	SG44	X	5	3	TAX-MOA	
	04	150	TAX	X	1	3	Duty/tax/fee details
	11	151	MOA	X	2	4	Monetary amount
	45	SG45	X	10	2	TDT-SG46	
	02	152	TDT	X	1	2	Details of transport

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	46	<b>SG46</b>	C	10	3	LOC-DTM	
	10	153	<b>LOC</b>	X	1	3	Place/location identification
	23	154	<b>DTM</b>	X	5	4	Date/time/period
	47	<b>SG47</b>	X	5	2	TOD-LOC	
	02	155	<b>TOD</b>	X	1	2	Terms of delivery or transport
	11	156	<b>LOC</b>	X	2	3	Place/location identification
	48	<b>SG48</b>	X	100	2	RCS-RFF-DTM-FTX	
	02	157	<b>RCS</b>	X	1	2	Requirements and conditions
	10	158	<b>RFF</b>	X	5	3	Reference
	24	159	<b>DTM</b>	X	5	3	Date/time/period
	09	160	<b>FTX</b>	X	5	3	Free text
	49	<b>SG49</b>	X	10	2	GIS-RFF-DTM-GIR-LOC-MEA-QTY-FTX-MOA	
	02	161	<b>GIS</b>	X	1	2	General indicator
	11	162	<b>RFF</b>	X	1	3	Reference
	25	163	<b>DTM</b>	X	5	3	Date/time/period
	04	164	<b>GIR</b>	X	5	3	Related identification numbers
	12	165	<b>LOC</b>	X	2	3	Place/location identification
	05	166	<b>MEA</b>	X	5	3	Measurements
	06	167	<b>QTY</b>	X	2	3	Quantity
	10	168	<b>FTX</b>	X	5	3	Free text
	12	169	<b>MOA</b>	X	2	3	Monetary amount
	01	170	<b>UNS</b>	M	1	0	Section control
	01	171	<b>CNT</b>	X	10	1	Control total
	50	<b>SG50</b>	M	100	1	MOA-SG51	
	13	172	<b>MOA</b>	M	1	1	Monetary amount
	51	<b>SG51</b>	X	1	2	RFF-DTM	
	12	173	<b>RFF</b>	X	1	2	Reference
	26	174	<b>DTM</b>	X	5	3	Date/time/period
	52	<b>SG52</b>	I	10	1	TAX-MOA	
	05	175	<b>TAX</b>	I	1	1	Duty/tax/fee details
	14	176	<b>MOA</b>	I	9	2	Monetary amount
	53	<b>SG53</b>	X	15	1	ALC-ALI-MOA-FTX	
	03	177	<b>ALC</b>	X	1	1	Allowance or charge
	05	178	<b>ALI</b>	X	1	2	Additional information
	15	179	<b>MOA</b>	X	2	2	Monetary amount
	11	180	<b>FTX</b>	X	1	2	Free text
	01	181	<b>UNT</b>	M	1	0	Message trailer
	01	182	<b>UNZ</b>	M	1	0	Interchange trailer

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**EDIFACT INVOIC UN D.01B – Transfer / UNA**

**5 EDIFACT Segments**

**Transfer**

Counter	No	Tag	St	MaxOcc	Level	Name
01	1	<b>UNA</b>	C	1	0	Service string advice

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNA				
UNA1	Component data element separator	M an1	M an1	+
UNA2	Data element separator	M an1	M an1	:
UNA3	Decimal notation	M an1	M an1	.
UNA4	Release indicator	M an1	M an1	?
UNA5	Reserved for future use	M an1	M an1	
UNA6	Segment terminator	M an1	M an1	'

**Remark:**

**Example:**

UNA:+.? '

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**EDIFACT INVOIC UN D.01B – Transfer / UNB**

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

01	2	<b>UNB</b>	M	1	0	Interchange header
----	---	------------	---	---	---	--------------------

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNB				
S001	Syntax identifier	M	M	
0001	Syntax identifier	M a4	M a4	"UNOC" = (UN/ECE level C; ISO 8859-1) – "syntax definition" 1 (Version 1)
0002	Syntax version number	M n1	M n1	
S002	Interchange sender	M	M	
0004	Sender identification	M an..35	M an..35	"MDVEDI" (Vodafone- Sender identification for "Electronic Mobile Phone Invoice Information")
0007	Partner identification code qualifier	C an..4	C an..4	
0008	Address for reverse routing	C an..14	C an..14	
S003	Interchange recipient	M	M	
0010	Recipient identification	M an..35	M an..35	This logical Recipient Identification should be set by the partner. If no pre-sets has been provided by partner during the initial activation, the sender sets this value accordingly to own value.
0007	Partner identification code qualifier	C an..4	C an..4	This element is used only in case if it has been required by the partner
0014	Routing address	C an..14	C an..14	This element is used only in case if it has been required by the partner
S004	Date/time of preparation	M	M	
0017	Date of preparation	M n6	M n6	Creation Date (YYMMDD)
0019	Time of preparation	M n4	M n4	Creation Time (HHMM)
0020	Interchange control reference	M an..14	M an..14	Interchange control starts with „1“ and will be incremented for each next Interchange.
S005	Recipient's reference, password	C	X	
0022	Recipient's reference/password	M an..14	X an..14	
0025	Recipient's reference/password qualifier	C an2	X an2	
0026	Application reference	C an..14	X an..14	
0029	Processing priority code	C a1	X a1	
0031	Acknowledgement request	C n1	X n1	
0032	Communications agreement ID	C an..35	X an..35	
0035	Test indicator	C n1	X n1	

**Remark:** Marks the beginning of an Interchange

**Example:**

UNB+UNOC:1+MDVEDI+Receiver+201505:1109+123'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG0 / UNH**
**SG0**

Counter	No	Tag	St	MaxOcc	Level	Name
01	3	<b>UNH</b>	M	1	0	Message header

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNH				
0062	Message reference number	M an..14	M an..14	Format "ELMOD2"+ nnnnn, whereby nnnnn is the current number of the message within an EDIFACT file. The message reference number always starts with 1 for the first EDIFACT message and is increased by the value of 1 for every further message within the transmission. Starting value: "ELMOD200001"
S009	Message identifier	M	M	
0065	Message type	M an..6	M an..6	"INVOIC" = EDIFACT Standard Invoice Subset
0052	Message version number	M an..3	M an..3	"D"
0054	Message release number	M an..3	M an..3	"01B"
0051	Controlling agency	M an..2	M an..2	"UN"
0057	Association assigned code	C an..6	C an..6	"ELMI13" = new harmonized version (standard mobile and M2M)
0068	Common access reference	C an..35	X an..35	
S010	Status of the transfer	C	M	
0070	Sequence of transfers	M n..2	M n..2	"1" (increased per file)
0073	First and last transfer	C a1	C a1	C = first message of a partial transmission F = last message of a partial transmission The allocation into partial transmissions is customer and document-based. The customer is identified via the customer number (see segment group 1, segment RFF with IT qualifier). The document is identified via the data element BGM\C002_1001. A transmission for a customer can consist of the following: - an Invoice - an Invoice and one or more pieces of Subscriber Information or - one or more Vodafone call detail(s). If a partial transmission is the first and the last partial transmission, the qualifier is assigned the value "F".

**Remark:** Marks the beginning of an Electronic Mobile Phone Invoice Information Vodafone message.

**Example:**

UNH+ELMOD200001+INVOIC:D:01B:UN:ELMI11++1:C'

Counter = Counter of segment/group within the standard  
No = Consecutive segment number  
MaxOcc = Maximum occurrence of the segment/group  
A=Advised, X=Not used

St = Status  
EDIFACT: M=Mandatory, C=Conditional  
User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG0 / BGM**

Counter	No	Tag	St	MaxOcc	Level	Name
01	4	<b>BGM</b>	M	1	0	Beginning of message

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
<b>BGM</b>				
C002	Document/message name	C	C	
1001	Document name code	C an..3	C an..3	"130" = Vodafone call details
1131	Code list identification code	C an..17	X	
3055	Code list responsible agency code	C an..3	X	
1000	Document name	C an..35	X an..35	
C106	Document/message identification	C	C	
1004	Document identifier	C an..35	C an..35	Document number, format: nnnn/nnnnnnn  Consists of the 4-digit NDC (National Destination Code) with the number "0172", "0173", "0174", "0162" or "1520", "/" (slash) and the 7-digit MSISDN.
1056	Version identifier	C an..9	X an..9	
1060	Revision identifier	C an..6	X an..6	
1225	Message function code	C an..3	X an..3	
4343	Response type code	C an..3	C an..3	"M2M"

**Remark:** This segment is intended to qualify the message type as a Vodafone call details and to transmit the document number.

**Example:**

BGM+130+101103370++M2M'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,



**EDIFACT INVOIC UN D.01B – SG0 / DTM**

Counter	No	Tag	St	MaxOcc	Level	Name
01	5	<b>DTM</b>	M	35	1	Date/time/period

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DTM				
C507	Date/time/period	M	M	
2005	Date or time or period function code qualifier	M an..3	M an..3	"3" = invoice date (bill date) "51" = beginning of billing period "52" = end of billing period
2380	Date or time or period value	C an..35	C an..35	Bill date / beginning of the billing period / end of the billing period depending on the qualifier.
2379	Date or time or period format code	C an..3	C an..3	"102" = CCYYMMDD

**Remark:** This segment is used for transmitting  
 - the Invoice date (bill date) as well as  
 - the beginning and  
 - the end of a billing period.

**Example:**

DTM+3:20150113:102'  
 DTM+51:20141208:102'  
 DTM+52:20150107:102'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG / FTX**

Counter	No	Tag	St	MaxOcc	Level	Name
01	9	<b>FTX</b>	C	99	0	Free text

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
FTX				
4451	Text subject code qualifier	M an..3	M an..3	"INV" = Information from third-party vendors "FN" = Footnotes
4453	Free text function code	C an..3	C an..3	"1" = Text for following use
C107	Text reference	C	X	
4441	Free text value code	M an..17	X an..17	
1131	Code list identification code	C an..17	X	
3055	Code list responsible agency code	C an..3	X	
C108	Text literal	C	C	
4440	Free text value	M an..512	M an..512	Additional text relating to the invoice (M2M: Tariff code)
4440	Free text value	C an..512	C an..512	Additional text relating to the invoice (M2M: Tariff description)
4440	Free text value	C an..512	C an..512	Additional text relating to the invoice
4440	Free text value	C an..512	C an..512	Additional text relating to the invoice
4440	Free text value	C an..512	C an..512	Additional text relating to the invoice
3453	Language name code	X an..3	C an..3	
4447	Free text format code	X an..3	C an..3	

**Remark:** This segment is used for transmitting additional texts relating to the invoice  
 It is used for information from third-party vendors, general information and information belonging to the conditions of payment.  
 For M2M messages the first free text field with the qualifier "FN" is the tariff code and the second free text field is a description for that code.

**Example:**

```
FTX+INV+1++ Additional text relating to the invoice1'
FTX+FN+++12345:M2M Tarif 1'
```

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG1 / RFF**

Counter	No	Tag	St	MaxOcc	Level	Name
1		<b>SG1</b>	C	99999	1	RFF-DTM-GIR-LOC-MEA-QTY-FTX-MOA-RTE
01	14	<b>RFF</b>	M	1	1	Reference

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
<b>RFF</b>				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	"IT" = customer number "IV" = Invoice number "VA" = the Invoice recipient's VAT number "RB" = tariff type "CN" = MSISDN, fixed network extension or DSL number "PT" = Product type
1154	Reference identifier	C an..70	C an..70	Depending on the qualifier: Customer number      Format an..9 Invoice number        Format an..12 Tariff type             Format an..5 MSISDN                 Format NDC/nnnnnnn or telephone number.  Within the scope of the billing process, a unique invoice number is allocated to the customer. The tariff type identifies the billing model used for the subscriber. The MSISDN or the telephone number and the tariff type are only stated on the invoice for customers with only one Subscriber.
1156	Document line identifier	C an..6	X an..6	
4000	Reference version identifier	C an..35	X an..35	
1060	Revision identifier	C an..6	X an..6	

**Remark:** This segment is used for transmitting

- the customer number
- the invoice number
- the tariff type and the MSISDN (subscriber number)

M2M messages have the value for MSISDN „00000000“: „RFF+CN:00000000“

**Example:**  
RFF+IV:119999999999'

Counter = Counter of segment/group within the standard  
No = Consecutive segment number  
MaxOcc = Maximum occurrence of the segment/group  
A=Advised, X=Not used

St = Status  
EDIFACT: M=Mandatory, C=Conditional  
User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG2 IV / NAD**

Counter	No	Tag	St	MaxOcc	Level	Name
	2	<b>SG2 IV</b>	C	99	1	NAD-LOC-FII-MOA-SG3-SG4-SG5
	01 23	<b>NAD</b>	M	1	1	Name and address

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
NAD				Use for the Invoice recipient ("IV")
3035	Party function code qualifier	M an..3	M an..3	"IV" = Invoice recipient
C082	Party identification details	C	X	
3039	Party identifier	M an..35	X an..35	
1131	Code list identification code	C an..17	X	
3055	Code list responsible agency code	C an..3	X	
C058	Name and address	C	X	
3124	Name and address description	M an..35	X an..35	
3124	Name and address description	C an..35	X an..35	
3124	Name and address description	C an..35	X an..35	
3124	Name and address description	C an..35	X an..35	
3124	Name and address description	C an..35	X an..35	
C080	Party name	C	C	Used for invoice recipient (IV)
3036	Party name	M an..35	M an..35	Name and/or address details (Name 1)
3036	Party name	C an..35	C an..35	Name and/or address details (Name 1 – continue)
3036	Party name	C an..35	C an..35	Name and/or address details (Name 2)
3036	Party name	C an..35	C an..35	Name and/or address details (Name 3)
3036	Party name	C an..35	X an..35	
3045	Party name format code	C an..3	X an..3	
C059	Street	C	C	Used for invoice recipient("IV")
3042	Street and number or post office box identifier	M an..35	M an..35	Street and number or P.O. box of recipient
3042	Street and number or post office box identifier	C an..35	C an..35	Street and number or P.O. box of recipient
3042	Street and number or post office box identifier	C an..35	C an..35	
3042	Street and number or post office box identifier	C an..35	X an..35	
3164	City name	C an..35	C an..35	City
C819	Country sub-entity details	C	C	
3229	Country sub-entity name code	C an..9	C an..9	
1131	Code list identification code	C an..17	X	
3055	Code list responsible agency code	C an..3	X	
3228	Country sub-entity name	C an..70	C an..70	
3251	Postal identification code	C an..17	C an..17	Postal code
3207	Country name code	C an..3	C an..3	Country (e.g. "DE" = Germany)

**Remark:** This segment is used for transmitting the name and address details of the document recipient.  
 If the location stated in the address of the recipient includes more than 35 characters, segment group 2 including segments NAD and FII is repeated for stating the rest of the location name.  
 E.g.: Location = 123456789 in Neuss am Rhein test123456789testest1234  
 NAD+IV+++...:123456789 in Neuss am Rhein test123'FII+BI+...'  
 NAD+IV+++...:456789testest1234'

**Example:**  
 NAD+IV+++ABC GmbH+Hauptstrasse 1+Heiden++50999+DE'  
 Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG3 IV / RFF**

Counter	No	Tag	St	MaxOcc	Level	Name
3		<b>SG3 IV</b>	C	9999	2	RFF-DTM
02	27	<b>RFF</b>	M	1	2	Reference

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	"ACF" = Reference of the addressee
1154	Reference identifier	C an..70	C an..70	Reference of the addressee. Format: an..30 Can be defined at will by the customer.
1156	Document line identifier	C an..6	C an..6	
4000	Reference version identifier	C an..35	C an..35	
1060	Revision identifier	C an..6	C an..6	

**Remark:** This segment is used for transmitting reference information relating to the customer.

**Example:**

RFF+ACF:XYZ'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG2 II / NAD**

Counter	No	Tag	St	MaxOcc	Level	Name
	2	SG2 II	C	99	1	NAD-LOC-FII-MOA-SG3-SG4-SG5
	01 23	NAD	M	1	1	Name and address

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
<b>NAD</b>				
3035	Party function code qualifier	M an..3	M an..3	"II" = Invoice sender
C082	Party identification details	C	X	
3039	Party identifier	M an..35	X an..35	
1131	Code list identification code	C an..17	X	
3055	Code list responsible agency code	C an..3	X	
C058	Name and address	C	X	
3124	Name and address description	M an..35	X an..35	
3124	Name and address description	C an..35	X an..35	
3124	Name and address description	C an..35	X an..35	
3124	Name and address description	C an..35	X an..35	
3124	Name and address description	C an..35	X an..35	
C080	Party name	C	C	
3036	Party name	M an..35	M an..35	Name of the regional branch
3036	Party name	C an..35	C an..35	
3036	Party name	C an..35	X an..35	
3036	Party name	C an..35	X an..35	
3036	Party name	C an..35	X an..35	
3045	Party name format code	C an..3	X an..3	
C059	Street	C	C	
3042	Street and number or post office box identifier	M an..35	M an..35	P.O. box, Postcode and Location of the Vodafone regional branch
3042	Street and number or post office box identifier	C an..35	C an..35	
3042	Street and number or post office box identifier	C an..35	X an..35	
3042	Street and number or post office box identifier	C an..35	X an..35	
3164	City name	C an..35	C an..35	City
C819	Country sub-entity details	C	X	
3229	Country sub-entity name code	C an..9	X an..9	
1131	Code list identification code	C an..17	X	
3055	Code list responsible agency code	C an..3	X	
3228	Country sub-entity name	C an..70	X an..70	
3251	Postal identification code	C an..17	C an..17	Postal code
3207	Country name code	C an..3	C an..3	Usage for invoice sender ("II") "DE" = Germany

**Remark:** This segment is used for transmitting the name and address details of the document sender.

**Example:**

NAD+II+++Vodafone GmbH:Vodafone Kundenbetreuung+40875 Ratingen+++DE '

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG5 II / CTA**

Counter	No	Tag	St	MaxOcc	Level	Name
5		<b>SG5 II</b>	C	5	2	CTA-COM
01	31	<b>CTA</b>	M	1	2	Contact information

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
<b>CTA</b>				
3139	Contact function code	C an..3	C an..3	"IC" = General information The segment is only generated if a valid telephone No./fax No. is identified in the in house file.
C056	Department or employee details	C	X	
3413	Department or employee name code	C an..17	X an..17	
3412	Department or employee name	C an..35	X an..35	

**Remark:** This segment is only generated for syntactical reasons.

**Example:**

CTA+IC'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG5 II / COM**

Counter	No	Tag	St	MaxOcc	Level	Name
5		<b>SG5 II</b>	C	5	2	CTA-COM
01	32	<b>COM</b>	C	5	3	Communication contact

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
COM				
C076	Communication contact	M	M	
3148	Communication address identifier	M an..512	M an..512	Telephone number or fax number,email, uri depending on the qualifier:
3155	Communication address code qualifier	M an..3	M an..3	"TE" = Telephone "FX" = Fax "EM" = email "AH" = contact over world wide web

**Remark:**
**Example:**

COM+x@y.com:EM'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,



**EDIFACT INVOIC UN D.01B – SG7 / CUX**

Counter	No	Tag	St	MaxOcc	Level	Name
	7	<b>SG7</b>	C	99	1	<b>CUX-DTM</b>
01	36	<b>CUX</b>	M	1	1	<b>Currencies</b>

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
<b>CUX</b>				
C504	Currency details	C	C	
6347	Currency usage code qualifier	M an..3	M an..3	"1" = currency of the amount to be paid
6345	Currency identification code	C an..3	C an..3	"EUR" = Euro. The main currency used in the document is transmitted in this data element. This applies to all amounts not explicitly marked with a different currency.
6343	Currency type code qualifier	C an..3	X an..3	
6348	Currency rate value	C n..4	X n..4	
C504	Currency details	C	X	
6347	Currency usage code qualifier	M an..3	X an..3	
6345	Currency identification code	C an..3	X an..3	
6343	Currency type code qualifier	C an..3	X an..3	
6348	Currency rate value	C n..4	X n..4	
5402	Currency exchange rate	C n..12	X n..12	
6341	Exchange rate currency market identifier	C an..3	X an..3	

**Remark:** The segment states the main currency used for issuing the document. Currencies varying from this are indicated separately for the amounts concerned.

**Example:**  
CUX+1:EUR'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG26 / LIN**

Zähler	Nr	Bez	St	MaxWdh	Ebene	Name
26		<b>SG26</b>	C	9999999	1	LIN-PIA-PGI-IMD-MEA-QTY-PCD-ALI-DTM-GIN-GIR-QVR-EQD-FTX-DGS-SG27-SG28-SG29-SG30-SG31-SG33-SG34-SG35-SG39-SG45-SG47-SG48-SG49
01	86	<b>LIN</b>	M	1	1	Positionsdaten

		Standard	Implementierung	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
LIN				
1082	Positionsnummer	C an..6	C an..6	Position number, format: n The position number will be increased by 1 per position
1229	Handlungsanforderung/-benachrichtigung, Code	C an..3	X an..3	
C212	Waren-/Leistungsnummer, Identifikation	C	X	
7140	Produkt-/Leistungsnummer	C an..35	X an..35	
7143	Art der Produkt-/Leistungsnummer, Code	C an..3	X an..3	
1131	Codeliste, Code	C an..17	X	
3055	Verantwortliche Stelle für die Codepflege, Code	C an..3	X	
C829	Unterpositions-Informationen	C	X	
5495	Anzeige für Unterposition, Code	C an..3	X an..3	
1082	Positionsnummer	C an..6	X an..6	
1222	Ebene, Nummer	C n..2	X n..2	
7083	Unterpositions-Zuordnung, Code	C an..3	X an..3	

**Remark:** This Segment contains the position number

**Example:**

LIN+1'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG26 / PIA**

Counter	No	Tag	St	MaxOcc	Level	Name
	26	<b>SG26</b>	C	9999999	1	<b>LIN-PIA-PGI-IMD-MEA-QTY-PCD-ALI-DTM-GIN-GIR-QVR-EQD-FTX-DGS-SG27-SG28-SG29-SG30-SG31-SG33-SG34-SG35-SG39-SG45-SG47-SG48-SG49</b>
	01 87	<b>PIA</b>	C	25	2	<b>Additional product id</b>

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
PIA				
4347	Product identifier code qualifier	M an..3	M an..3	"1" = Additional identification "5" = M2M tariff information
C212	Item number identification	M	M	
7140	Item identifier	C an..35	C an..35	service code, format: ENxxxxxx nnnn= defines type of call, eg. EN000002 = national calls. You will obtain a detailed list upon request. tariff time, format: an..3 N = off-peak times H = peak times D = DataNight W = Weekend A = abroad / roaming g = entire day X = night time F = leisure time  In the case of calls that start in one tariff period and end in another, the respective tariff times are shown one after another. E.g.: HN-> call starting in peak and ending in off-peak times Call info indicator, format: an..2 The call info indicator provides particular, supplementary descriptions regarding the respective call (e.g. U = call forwarding). The call service indicator provides an additional classification of the calls: CG = Vodafone Corporate Group calls BC = Vodafone BestCity calls BF = Vodafone BestFriend calls Distance zone, format: an..5 The distance zone is only indicated for fixed network lines.  Tariff identification code for M2M messages
7143	Item type identification code	C an..3	C an..3	"SA" = Artikelnummer des Lieferanten "DAT" = DATA Usage "CAL" = VOICE Usage "SMS" = SMS Usage "NB" = Narrow-Band
1131	Code list identification code	C an..17	C	"108" = Tariff time "128" = service (service code) "130" = Call info indicator "103" = Call service indicator "151" = distance zone
3055	Code list responsible agency Code	C an..3	X	
C212	Item number identification	C	X	
7140	Item identifier	C an..35	X an..35	

Counter = Counter of segment/group within the standard  
No = Consecutive segment number  
MaxOcc = Maximum occurrence of the segment/group  
A=Advised, X=Not used

St = Status  
EDIFACT: M=Mandatory, C=Conditional  
User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG26 / PIA**

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
7143	Item type identification code	C an..3	X an..3	
1131	Code list identification code	C an..17	X	
3055	Code list responsible agency code	C an..3	X	
C212	Item number identification	C	X	
7140	Item identifier	C an..35	X an..35	
7143	Item type identification code	C an..3	X an..3	
1131	Code list identification code	C an..17	X	
3055	Code list responsible agency code	C an..3	X	
C212	Item number identification	C	X	
7140	Item identifier	C an..35	X an..35	
7143	Item type identification code	C an..3	X an..3	
1131	Code list identification code	C an..17	X	
3055	Code list responsible agency code	C an..3	X	
C212	Item number identification	C	X	
7140	Item identifier	C an..35	X an..35	
7143	Item type identification code	C an..3	X an..3	
1131	Code list identification code	C an..17	X	
3055	Code list responsible agency code	C an..3	X	

**Remark:** This segment is used for transmitting

- the service code
- the tariff time
- the call info indicator
- the call service indicator
- the distance zone.

**Example:**  
 PIA+1+EN000002:::128'  
 PIA+1+g:::108'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG26 / IMD**

Counter	No	Tag	St	MaxOcc	Level	Name
	26	<b>SG26</b>	C	9999999	1	LIN-PIA-PGI-IMD-MEA-QTY-PCD-ALI-DTM-GIN-GIR-QVR-EQD-FTX-DGS-SG27-SG28-SG29-SG30-SG31-SG33-SG34-SG35-SG39-SG45-SG47-SG48-SG49
	02 89	<b>IMD</b>	C	99	2	Item description

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
<b>IMD</b>				
7077	Description format code	C an..3	C an..3	"B" = Code and text
C272	Item characteristic	C	X	
7081	Item characteristic code	C an..3	X an..3	
1131	Code list identification code	C an..17	X	Not used
3055	Code list responsible agency code	C an..3	X	Not used
C273	Item description	C	C	
7009	Item description code	C an..17	C an..17	Product code "V01" = CONTRACTED DATA VOLUME "V04" = CONSUMED DATA VOLUME
1131	Code list identification code	C an..17	C	"128" = Service (identification of an item)
3055	Code list responsible agency code	C an..3	C	"91" = allocated by the seller
7008	Item description	C an..256	C an..256	Product description (here: "bill category" analogous to tariff category of the invoice)
7008	Item description	C an..256	X an..256	
3453	Language name code	C an..3	X an..3	
7383	Surface or layer code	C an..3	X an..3	

**Remark:** This segment is used for the transmission of  
 - the service and service description.  
 - data volume informations

**Example:**

```
IMD+B++EN000002:128:91:Gespräche ins nationale Festnetz'
```

```
IMD+B++V01:128:91:CONTRACTED DATA VOLUME '
```

```
IMD+B++V04:128:91:CONSUMED DATA VOLUME '
```

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG26 / QTY**

Counter	No	Tag	St	MaxOcc	Level	Name
	26	<b>SG26</b>	C	9999999	1	LIN-PIA-PGI-IMD-MEA-QTY-PCD-ALI-DTM-GIN-GIR-QVR-EQD-FTX-DGS-SG27-SG28-SG29-SG30-SG31-SG33-SG34-SG35-SG39-SG45-SG47-SG48-SG49
	03 91	<b>QTY</b>	C	5	2	Quantity

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
QTY				
C186	Quantity details	M	M	
6063	Quantity type code qualifier	M an..3	M an..3	"107" = Tariff units "48" = Volume (received) resp. percentage of the received data volume. "131" = Volume sent "109" = Volume (sent and received) "3" = Number of sessions
6060	Quantity	M an..35	M an..35	Tariff units, format: n digits before the decimal point, decimal point, n fractional digits, optional sign. Tariff units in the form of time units (hours, minutes and/or seconds) are understood additively. For items using the GPRS data service, the data volumes received or sent are stated in kilobytes. For items using media streaming and the download service, the entire data volume is stated in bytes. In addition, the percentage of the data volume already received is indicated for these data services.
6411	Measurement unit code	C an..3	C an..3	"DAY" = DAY "HOU" = Hour "MIN" = Minute "SEC" = Second "2P" = Kilobyte "AD" = Bytes "P1" = Percentage "PCE" = Piece (Item) "MB" = Megabyte "GB" = Gigabyte

**Remark:** The segment is used for providing quantity details.  
This segment is not transmitted for mobile payment transactions.

**Example:**  
QTY+48:53:2P'  
QTY+107:1.38:MB'

Counter = Counter of segment/group within the standard  
No = Consecutive segment number  
MaxOcc = Maximum occurrence of the segment/group  
A=Advised, X=Not used

St = Status  
EDIFACT: M=Mandatory, C=Conditional  
User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG26 / DTM**

Counter	No	Tag	St	MaxOcc	Level	Name
26		<b>SG26</b>	C	9999999	1	LIN-PIA-PGI-IMD-MEA-QTY-PCD-ALI-DTM-GIN-GIR-QVR-EQD-FTX-DGS-SG27-SG28-SG29-SG30-SG31-SG33-SG34-SG35-SG39-SG45-SG47-SG48-SG49
13	94	<b>DTM</b>	C	35	2	Date/time/period

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DTM				
C507	Date/time/period	M	M	
2005	Date or time or period function code qualifier	M an..3	M an..3	"163" = beginning of the call
2380	Date or time or period value	C an..35	C an..35	Date and time
2379	Date or time or period format code	C an..3	C an..3	"203" = CCYYMMDDhhmm "204" = CCYYMMDDhhmmss "102" = CCYYMMDD

**Remark:** This segment is used for transmitting the beginning of the call.

**Example:**

DTM+163:201411010815:203

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG26 / FTX**

Zähler	Nr	Bez	St	MaxWdh	Ebene	Name
26		<b>SG26</b>	C	9999999	1	<b>LIN-PIA-PGI-IMD-MEA-QTY-PCD-ALI-DTM-GIN-GIR-QVR-EQD-FTX-DGS-SG27-SG28-SG29-SG30-SG31-SG33-SG34-SG35-SG39-SG45-SG47-SG48-SG49</b>
07	99	<b>FTX</b>	C	99	2	<b>Freier Text</b>

		Standard	Implementierung	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
<b>FTX</b>				
4451	Textbezug, Qualifier	M an..3	M an..3	"LIN" = Text to invoice item
4453	Textfunktion, Code	C an..3	C an..3	"1" = Text for following use
C107	Text-Referenz	C	X	
4441	Freier Text, Code	M an..17	X an..17	
1131	Codelliste, Code	C an..17	X	
3055	Verantwortliche Stelle für die Codepflege, Code	C an..3	X	
C108	Text	C	C	
4440	Freier Text	M an..512	M an..512	Additional text relating to the item
4440	Freier Text	C an..512	C an..512	Additional text relating to the item
4440	Freier Text	C an..512	C an..512	Additional text relating to the item
4440	Freier Text	C an..512	C an..512	Additional text relating to the item
4440	Freier Text	C an..512	C an..512	Additional text relating to the item
3453	Sprachename, Code	C an..3	C an..3	
4447	Textformat, Code	C an..3	C an..3	

**Remark:** The segment is used for transmitting free texts to the item.  
 Please note: On account of missing data sources, it is currently not possible to use the segment. It will be incorporated into the documentation for the post-processing software in order to be used at a later stage.

**Example:**  
 FTX+LIN+1++X:X:X:X:X'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,



**EDIFACT INVOIC UN D.01B – SG27 / MOA**

Counter	No	Tag	St	MaxOcc	Level	Name
27		<b>SG27</b>	C	99	2	MOA-CUX
07	101	<b>MOA</b>	M	1	2	Monetary amount

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
MOA				
C516	Monetary amount	M	M	
5025	Monetary amount type code qualifier	M an..3	M an..3	"203" = item amount (net) "304" = item amount (gross) for external mobile payment transactions "38" = item amount (net) for internal mobile payment transactions
5004	Monetary amount	C n..35	C n..35	Item amount (net) respectively Item amount for external mobile payment transactions (gross). Item amount for internal mobile payment transactions (net) Format: n digits before the decimal point, decimal point, n fractional digits, optional sign. The net amount values with qualifier "203" and "38" contain up to 4 fractional digits, the gross amount with qualifier "304" up to 2 fractional digits.
6345	Currency identification code	C an..3	C an..3	"EUR" = EURO The currency is only stated if it differs from the main currency. Amounts with the same qualifier are alternative.
6343	Currency type code qualifier	C an..3	X an..3	
4405	Status description code	C an..3	X an..3	

**Remark:** The segment is used for stating the net item amount respectively gross item amount for mobile payment transactions..

**Example:**

MOA+203:5.9'

Counter = Counter of segment/group within the standard  
No = Consecutive segment number  
MaxOcc = Maximum occurrence of the segment/group  
A=Advised, X=Not used

St = Status  
EDIFACT: M=Mandatory, C=Conditional  
User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG30 / RFF**

Counter	No	Tag	St	MaxOcc	Level	Name
1		<b>SG30</b>	C	99999	1	RFF-DTM-GIR-LOC-MEA-QTY-FTX-MOA-RTE
01	14	<b>RFF</b>	M	1	1	Reference

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	"IMS" = IMSI number "CSP" = CSP ID
1154	Reference identifier	C an..70	C an..70	IMSI number (International Mobile Subscriber Identity) CSP ID (Customer Service Profile ID)
1156	Document line identifier	C an..6	X an..6	
4000	Reference version identifier	C an..35	X an..35	
1060	Revision identifier	C an..6	X an..6	

**Example:**

RFF+IMS:999999999'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG33 / LOC**

Counter	No	Tag	St	MaxOcc	Level	Name
		<b>SG33</b>				
07	121	<b>LOC</b>	C	10	1	<b>Place/location identification</b>

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
<b>LOC</b>				
3227	Location function code qualifier	M an..3	M an..3	"1" = Called number (B subscriber) "5" = Calling number (A subscriber) "7" = M2M related information for MCC/MNC (mobile country code / mobile network code) + APN "15" = Dealer ID for mobile payment transactions respective product description for internal mobile payment transactions. "103" = Title of the selected media streaming and download In case of fixed network lines, the individual extension is indicated.
C517	Location identification	C	C	
3225	Location name code	C an..25	C an..25	Telephone number according to qualifier respectively Title of the selected media streaming and download Within the scope of the an Electronic Mobile Phone Invoice Information service, a structured handover of telephone numbers is normally carried out in line with the - international dialling code, - national code and - telephone number. Unfortunately, this is not always possible on account of the technical facts. In these cases, the qualifier '160' is issued. MMC/MNC in M2M messages
1131	Code list identification code	C an..17	N	"162" = international dialling code "140" = national dialling code "160" = local area code
3055	Code list responsible agency code	C an..3	X	
3224	Location name	C an..256	C an..256	Information about the target network APN in M2M messages
C519	Related location one identification	C	C	
3223	First related location name code	C an..25	C an..25	
1131	Code list identification code	C an..17	N	
3055	Code list responsible agency code	C an..3	N	
3222	First related location name	C an..70	C an..70	Dealer ID for external Mobile Payment Transactions
C553	Related location two identification	C	C	
3233	Second related location name code	C an..25	C an..25	
1131	Code list identification code	C an..17	N	
3055	Code list responsible agency code	C an..3	N	
3232	Second related location name	C an..70	C an..70	Product Description for internal Mobile Payment Transactions
5479	Relation code	C an..3	C an..3	

Counter = Counter of segment/group within the standard  
No = Consecutive segment number  
MaxOcc = Maximum occurrence of the segment/group  
A=Advised, X=Not used

St = Status  
EDIFACT: M=Mandatory, C=Conditional  
User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG33 / LOC**

**Remark:** This segment is used for transmitting the target telephone number, respectively for transmitting the Dealer ID and product description in the case of mobile payment transactions. If the called number exceeds 17 digits, the entire segment group is repeated.  
E.g.: Called number 02131253647653445735266645  
LOC+1....:02131253647653445'  
LOC+1....:735266645'

**Example:**

LOC+15+:160+:::PlatinumVideo-Abo'  
LOC+1+435566778:160::Zol Oestereich'  
LOC+7+262022:::siemens.de'

Counter = Counter of segment/group within the standard  
No = Consecutive segment number  
MaxOcc = Maximum occurrence of the segment/group  
A=Advised, X=Not used

St = Status  
EDIFACT: M=Mandatory, C=Conditional  
User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG0 / UNS**

Counter	No	Tag	St	MaxOcc	Level	Name
		<b>SG0</b>				
01	170	<b>UNS</b>	M	1	0	Section control

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNS				
0081	Section identification	M a1	M a1	"S" = End of an item part

**Remark:** The segment separates the item part and the total amounts part of an Electronic Mobile Phone Invoice Information Vodafone message.

**Example:**  
UNS+S'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG50 / MOA**

Counter	No	Tag	St	MaxOcc	Level	Name
50		<b>SG50</b>	M	100	1	MOA-SG51
13	172	<b>MOA</b>	M	1	1	Monetary amount

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
MOA				
C516	Monetary amount	M	M	
5025	Monetary amount type code qualifier	M an..3	M an..3	"86" = Total net amount excluding external mobile payment transactions, but inclusive the internal mobile payment transactions. "304" = gross amount for all external mobile payment transactions
5004	Monetary amount	C n..35	C n..35	amount, format: n digits before the decimal point, decimal point, n fractional digits, optimal sign. The net amount value with qualifier "86" contains up to 4 fractional digits, the gross amount value with qualifier "304" contains up to 2 decimal digits further on.
6345	Currency identification code	C an..3	C an..3	"EUR" = EURO The currency is only stated if it differs from the main currency. Amounts with the same qualifier are alternative.
6343	Currency type code qualifier	C an..3	X an..3	
4405	Status description code	C an..3	X an..3	

**Remark:** This segment is used for transmitting the total amount of the message.

**Example:**

MOA+304:5.94'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – SG0 / UNT**

<b>SG0</b>						
Counter	No	Tag	St	MaxOcc	Level	Name

01	181	<b>UNT</b>	M	1	0	Message trailer
----	-----	------------	---	---	---	-----------------

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNT				
0074	Number of segments in the message	M n..6	M n..6	Number of segments in an an Electronic Mobile Phone Invoice Information Vodafone message.
0062	Message reference number	M an..14	M an..14	Message reference No analogous to UNH0062

**Remark:** The segment marks the end of an Electronic Mobile Phone Invoice Information Vodafone Message.

**Example:**  
UNT+179+4711'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,

**EDIFACT INVOIC UN D.01B – Transfer / UNZ**

**Transfer**

Counter	No	Tag	St	MaxOcc	Level	Name
---------	----	-----	----	--------	-------	------

01	182	<b>UNZ</b>	M	1	0	Interchange trailer
----	-----	------------	---	---	---	---------------------

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNZ				
0036	Interchange control count	M n..6	M n..6	Number of messages inside Interchange
0020	Interchange control reference	M an..14	M an..14	Interchange control reference

**Remark:** The segment marks the end of an Electronic Mobile Phone Invoice Information Vodafone Interchange

**Example:**  
UNZ+1+4711'

Counter = Counter of segment/group within the standard  
 No = Consecutive segment number  
 MaxOcc = Maximum occurrence of the segment/group  
 A=Advised, X=Not used

St = Status  
 EDIFACT: M=Mandatory, C=Conditional  
 User specific: R=Required, O=Optional, D=Dependent,



**EDIFACT INVOIC UN D.01B – Message Example****6 EDIFACT Message examples****6.1 Example for Standard Mobile**

UNA:+.? '  
UNB+UNOC:1+MDVEDI+Receiver+201506:1346+4711'  
UNH+ELMOD200001+INVOIC:D:01B:UN:ELMI13++1'  
BGM+130+0173/123456789  
DTM+3:20150512:102'  
DTM+51:20150222:102'  
DTM+52:20150506:102'  
RFF+IT:089228140'  
RFF+IV:112367694117'  
RFF+RB:C01  
RFF+CN:0173/123456789  
RFF+PT:GSM'  
NAD+IV+++ABC GmbH+Hauptstrasse 1+Heiden+50999+DE'  
NAD+II+++Vodafone GmbH:Vodafone Kundenbetreuung+40875 Ratingen++++DE'  
CUX+1:EUR'LIN+1'IMD+B++V01:128:91:IHR VERTRAGLICH VEREINBARTES  
DATENVOLUMEN'QTY+107:1.38:MB'LIN+2'IMD+B++V04:128:91:INSGESAMT VERBRAUCHTES  
DATENVOLUMEN'QTY+107:0.15:MB'  
LIN+3'  
PIA+1+EN000002::128'  
PIA+1+g::108'  
IMD+B++EN000002:128:91:Gespräche ins nationale Festnetz'  
QTY+107:02:MIN'  
QTY+107:19:SEC'  
DTM+163:20150222123305:204'  
MOA+203:0'  
LOC+1+495151961xxx:160::Hameln'  
LIN+4'  
PIA+1+EN000863::128'  
PIA+1+g::108'  
PIA+1+CG::103'  
IMD+B++EN000863:128:91:Gespräche, Vodafone D2 zu Vodafone D2, Group'  
QTY+107:01:MIN'  
DTM+163:20150223145507:204'  
MOA+203:0'  
LOC+1+491749435xxx:160::deutsches Vodafone-Netz'  
LIN+5'  
PIA+1+EN000003::128'  
PIA+1+g::108'  
IMD+B++EN000003:128:91:Gespräche in andere nationale Mobilfunknetze'  
QTY+107:01:MIN'  
DTM+163:20150225133951:204'  
MOA+203:0.25'  
LOC+1+4917670939xxx:160::O2-Netz'  
LIN+6'  
PIA+1+EN005212::128'  
IMD+B++EN005212:128:91:blackberry.net: z.B. E-Mail-, Internet, & Navigator-Nutzung'  
QTY+107:012:HOU'  
QTY+107:29:MIN'  
QTY+107:58:SEC'  
QTY+3:1:PCE'  
QTY+109:1110:2P'  
DTM+163:20150315000000:204'  
MOA+203:0'  
LOC+1+:160::blackberry.net'  
UNS+S'  
MOA+86:1.1584'

**EDIFACT INVOIC UN D.01B – Message Example**

MOA+304:0'  
 UNT+61+ELMOD200001'  
 UNZ+1+4711'

**6.2 Example for M2M/IoT**

UNA:+.? '  
 UNB+UNOC:1+MDVEDI+000029221+180412:1828+4711'  
 UNH+ELMOD200001+INVOIC:D:01B:UN:ELMI13++1:F'  
 BGM+130+000029221++**M2M'**  
 DTM+3:20030607:102'  
 DTM+51:20030501:102'  
 DTM+52:20030531:102'  
**FTX+FN+++12345678910111213:Test M2M Tariff 6'**  
**FTX+FN+++12345678910111213456:Test M2M Tariff 7'**  
**FTX+FN+++12345678910111214:Test M2M Tariff 5'**  
**FTX+FN+++M2M Tarif Test A001:Test M2M Tariff 1'**  
 RFF+IT:000029221'  
**RFF+IV:114074916xxx**  
 RFF+RB:CL1'  
**RFF+CN:00000000'**  
 RFF+PT:GSM'  
 NAD+IV+++F Acctest\_name\_1::Acctest\_name\_2:Meier2+Poststr. 43+Berlin++10178+D'  
 NAD+II+++Vodafone GmbH+Kundenbetreuung 40875 Ratingen'  
 CTA+IC'  
**COM+m2m.supportline@vodafone.com:EM'**  
 COM+0049172122620:TE'  
 CUX+1:EUR'  
 ...  
 LIN+1'  
**PIA+5+12345678910111213:DAT'**  
**IMD+B++EN000137:128:91:siexyz.de'**  
 QTY+107:06:SEC'  
 QTY+109:00000000000009765625:2P'  
 DTM+163:20030501:102'  
 MOA+203:1.5'  
**RFF+IMS:262023443500084'**  
**RFF+CSP:12345678'**  
**LOC+7+262022:::siexyz.de**  
 ....  
 LIN+5'  
**PIA+5+12345678910111213456:CAL'**  
**IMD+B++EN000001:128:91:Gespräche, Vodafone D2 zu Vodafone D2'**  
**QTY+107: 06:DAY'**  
 QTY+107:01:HOU'  
 QTY+107:32:MIN'  
 QTY+107:33:SEC'  
 DTM+163:20030509120348:204'  
 MOA+203:5256.3333'  
**RFF+IMS:262023020530996'**  
**RFF+CSP:12345678'**  
 LOC+1+491722588xxx::: deutsches Vodafone-Netz'  
 .....  
 LIN+7'  
**PIA+5+12345678910111213456:SMS'**  
**IMD+B++EN001150:128:91:SMS ins deutsche Vodafone-Netz**  
 DTM+163:20030516034603:204'

**EDIFACT INVOIC UN D.01B – Message Example**

MOA+203:5256.3333'  
RFF+IMS:262023020530996'  
RFF+CSP:12345678'  
LOC+1+491724048xxx:::deutsches Vodafone-Netz'  
....

LIN+15'  
PIA+5+100222940:**NB**'  
IMD+B++EN000137:128:91:siexyz.de'  
DTM+163:20030502205402:204  
MOA+203:2.5'  
RFF+IMS:262023443500084'  
RFF+CSP:12345678'  
LOC+7+262022:::siexyz.de'

UNS+S'  
MOA+86:0'  
MOA+304:0'  
UNT+50+ELMOD200001'  
UNZ+1+4711'