



NETWORK TOYS GERMANY

EDI Message Format **INVOIC D.96A** (Invoice)

V1.11 of 25.02.2022

1.Conventions	2
2.Message structure, packed	3
3.Message structure, detailed	5
4.Modification history	17

1. Conventions

The present documentation offers different entry opportunities:

- Chapter 2 “Message structure, packed” is listing the individual segments used in the order given by the message. Each segment of the message structure is displayed only once.
- Chapter 3 “Message structure, detailed” is listing the individual segments used in the order given by the message. As a rule, an own segment will be written for each information. Exceptions will develop if one segment can only contain alternative information, i.e. Segment NAD.
- Chapter 4 “Example” contains a commented example of a message.

1.1. Data element formats

The following conventions apply for the present documentation:

a	alphabetical characters
n	numerical characters
an	alphanumeric characters
a3	3 alphabetical characters with fixed length
n3	3 numerical characters with fixed length
an3	3 alphanumeric characters with fixed length
a..3	up to 3 alphabetical characters
n..3	up to 3 numerical characters
an..3	up to 3 alphanumeric characters

1.2. Status displays

M =	mandatory fields which cannot be left empty
K =	optional fields

2. Message structure, packed

Segment	Meaning	Frequency
UNA	Separator requirement	M 1
UNB	User data header segment	M 1
UNH	Message header segment	M 1
BGM	Invoice number	M 1
DTM	Invoice date, delivery date	M 35
ALI	Special conditions / conditions barrier	K 5
FTX	Free text information for the whole order	K 99
RFF	Order number/number delivery note as reference	K 99
DTM	Order/ delivery note number as reference	K 1
NAD	Identification of supplier/trader/consignee/invoice recipient	K 99
RFF	Reference number of the trader/supplier to the address	K/M 5
CTA	Contact person	K 1
COM	Contact communication number	K 1
TAX	VAT rate	K 1
CUX	Currency indications	M 1
PAT	Terms of payment	K 10
DTM	Value date, maturity date for the discount deduction, maturity date for payment without deduction	K 1
PCD	Cash discount percentage	K 1
ALC	Type of surcharge / discount	K 9999
PCD	Surcharge/ discount in percent	K 1
MOA	Surcharge/discount absolute amount	K 2
LIN	Item number, EAN, item cancellation	M 200000
PIA	Item number of the supplier/trader	K 25
IMD	Item description as free text	K 99
QTY	Quantity charged / quantity without charge	K 10
MOA	Net amount item	K 2
PRI	Net price, gross price	K 99
RFF	Order number of the customer, number delivery note	K 35
DTM	Order date, delivery note date	K 1
TAX	VAT rate	K 1
ALC	Type of surcharge / discount	K 9999
PCD	Surcharge / discount in percent	K 1
MOA	Surcharge / discount absolute amount	K 1
UNS	Section control segment	M 1

MOA	Net goods value, taxable amount, tax amount, invoice amount, total surcharges / discounts	M 99
TAX	Section summary records per VAT rate	K 10
MOA	Net goods value, taxable amount, tax amount, total surcharges /discounts per VAT rates	K 2
UNT	Message end segment	M 1
UNZ	User data end segment	M 1

3. Message structure, detailed

UNA	Frequency: 1			K
Segment		Application, codes permitted		
UNA1	Group data element, separator	M	an1	:
UNA2	Segment identifier and data element separator	M	an1	+
UNA3	Decimal separator	M	an1	.
UNA4	Enabling signal	M	an1	? enabling signal
UNA5	reserved	M	an1	reserved
UNA6	Segment end signal	M	an1	' segment end signal
UNA:+.?'				

UNB	Frequency: 1			M
Segment		Application, codes permitted		
S001	Syntax identifier	M		
0001	Syntax identification	M	a4	UNOC - UN/ECE character set C
0002	Syntax version number	M	n1	2 - Syntax version number version 2
S002	Sender of transmission file	M		
0004	Sender identifier	M	an..35	ILN/GLN of the data sender
0007	Participant identification, qualifier	M	an..4	14 – EAN/GLN
S003	Recipient of the transmission file	M		
0010	Recipient identification	M	an..35	ILN/GLN of the data recipient
0007	Participant identification, qualifier	M	an..4	14 – EAN/GLN
S004	Date / time of creation	M		
0017	Date of creation	M	n6	Date of creation (date in format YYYYMMDD)a
0019	Time of creation	M	n4	Time of creation (time format HHMM)
0020	Data exchange reference	M	an..14	Unambiguous reference for the identification of the transmission file. Issued by the sender.
S005	Reference / password of the recipient	K		
0022	Reference or password of the recipient	K	an..14	
0026	Application reference	K	an..14	
0029	Processing priority, code	K	a1	
0031	Confirmation request	K	n1	
0032	Exchange agreement identification	K	an..35	
0035	Test signal	K	n1	1 – Test empty – productive
UNB+UNOC:2+4399901726994:14+4013831000008:14+130128:1426+00012'				

UNH	Frequency: 1			M
Segment	Application, codes permitted			
0062	Message reference number	M	an..14	Message reference number
S009	Message identification	M		
0065	Message type identification	M	an..6	INVOIC - invoice
0052	Version number of the message type	M	an..3	D
0054	Enabling number of the message type	M	an..3	96A
0051	Administrating organization, coded	M	an..2	UN
0057	Application code of the organization responsible	K	an..6	EAN008
UNH+012345+ORDRSP:D:96A:UN:EAN008'				

BGM	Frequency: 1			M
Segment	Application, codes permitted			
C002	Document / message name	M		
1001	Document / message name, coded	M	an..3	380 – invoice 381 – credit note 83 – credit note in value 84 – invoice in value
1004	Document / message number	M	an..35	Invoice number
1225	Message function, coded	K	an..3	9 – Original 31 – Copy
BGM+380+ABCDEFG+9'				

DTM	Frequency: 35			M
Segment	Application, codes permitted			
C507	Date / time / time period	M		
2005	Date / time / time period, qualifier	M	an..3	137 – invoice date 35 – delivery date
2380	Date / time / time period	M	an..35	Date
2379	Date / time / time period, format qualifier	M	an..3	102 – date format (YYYYMMDD)
DTM+137:20130128:102' DTM+35:20130115:102'				

ALI	Frequency: 5			K
Segment	Application, codes permitted			
3239	Country of origin, coded	K	an..3	
9213	Type of customs regime, coded	K	an..3	
4183	Special conditions	K	an..3	15 – not discountable / terms barrier
ALI+++15'				

FTX		Frequency: 99			K
Segment		Application, codes permitted			
4451	Text classification, coded	M	an..3	AAK – information on the price conditions SUR – supplier instructions	
4453	Text processing hint, coded	K	an..3		
C107	Text reference	K			
4441	Free text, coded	M	an..3		
1131	Code list, qualifier	K	an..17		
3055	Responsible agency for the code list, coded	K	an..3		
C108	Text	K			
4440	Free text	M	an..70	Free text information for the whole document	
4440	Free text	K	an..70		
4440	Free text	K	an..70		
4440	Free text	K	an..70		
4440	Free text	K	an..70		
3453	Language, coded	K	an..3	DE = Deutsch (German)	
FTX+SUR+++ 'one sample text'					

RFF		Frequency: 99			K
Segment		Application, codes permitted			
1153	Reference, qualifier	M	an..3	ON – order number (mandatory field, has to be stated on the header or all positions) DQ – delivery note number	
1154	Reference number	M	an..35	Reference number	
RFF+ON:20134569' (mandatory field, has to be stated on the header or all positions)					
RFF+DQ:1201354'					

DTM		Frequency: 35			K
Segment		Application, codes permitted			
C507	Date / time / time period	M			
2005	Date / time / time period, qualifier	M	an..3	171 – order date or date of delivery note	
2380	Date / time / time period	M	an..35	Date	
2379	Date / time / time period, format qualifier	M	an..3	102 – date format (YYYYMMDD)	
DTM+171:20130210:102'					

NAD		Frequency: 3			M
Segment		Application, codes permitted			
3035	Person involved, qualifier	M	an..3	SU – supplier BY – buyer DP – consignee IV – invoice recipient	
C082		K			
3039	Identification of person involved	M	an..13	ILN/GLN	
1131	Code list, qualifier	K	an..3		
3055	Responsible agency for the code list, coded	K	an..3	9	
C058	Name and address	K		Name des Partners	
3124	Line for name and address	K	an..35	Address	
3124	Line for name and address	K	an..35		
C080	Name of person involved	K			
3036	Name of person involved	K	an..35		
C059	Street	K			
3042	Street and street number / postbox	K	an..35	Street	
3164	City	K	an..35	City	
3229	Region / federal state, identification	K	an..9		
3251	Postal code	K	an..9	Postal code	
3207	Country, coded	K	an..3	Country	
NAD+SU+4013831000008::9' NAD+BY+4399901726994::9' NAD+DP+4399901726994::9'					

RFF		Frequency: 5			K
Segment		Application, codes permitted			
1153	Reference, qualifier	M	an..3	API – reference number of the trader / supplier additionally to address	
1154	Reference number	M	an..35		
1156	Line number	K	an..6		
4000	Reference version number	K	an..35		
RFF+API:0815'					

RFF		Frequency: 5			M
Segment		Application, codes permitted			
1153	Reference, qualifier	M	an..3	VA – VAT identification number of the supplier /trader FC – tax number of the supplier IT – client number of the trader at the supplier	
1154	Reference number	M	an..35		

1156	Line number	K	an..6	
4000	Reference version number	K	an..35	
RFF+API:0815'				

CTA		Frequency: 1			K
Segment		Application, codes permitted			
3139	CONTACT FUNCTION	M	an..3	PD – purchase department OC – order contact	
C056	Department or employee	M			
3413	Department or employee identification	K	an..17		
3412	Department or employee	M	an..35	Name of the person or the department	
CTA+PD+:Hans Mustermann'					

COM		Frequency: 1			K
Segment		Application, codes permitted			
C076	Communication contact	M			
3148	Communication number	M	an..32	Communication number	
3155	Communication channel, qualifier	M	an..3	EM – Email FX – Telefax TE – Telephone	
COM+0049123456555:TE'					

TAX		Frequency: 1			K
Segment		Application, codes permitted			
5283	Duty / tax / fee class, qualifier	M	an..3	7 – tax	
C241	Duty / tax / fee type	K			
5153	Duty / tax / fee type, coded	M	an..3	VAT – value added tax	
C533	Settlement characteristics of duty / tax, fees	K			
5289	Identification for the charge of duty / tax / fees	K	an..6		
5286	Duty / tax / fees, assessment basis	K	an..15		
C243	Duty / tax / fees	K			
5279	Duty / tax / fee rate, identification	K	an..7		
1131	Code list, qualifier	K	an..3		
3055	Responsible agency for the code list, coded	K	an..3		
5278	Duty / tax / fee rate	M	an..17	Bps.: 19 (19%)	
5305	Duty / tax / fee rate, coded	K	an..3	S – Standard, E - exempt	
TAX+7+VAT++++:19+S'					
This segment is used to indicate the tax type, tax category and tax rate for the whole invoice.					

CUX		Frequency: 1			M
Segment		Application, codes permitted			
C504	Currency indications	M			
6347	Currency details, qualifier	M	an..3		2 – reference currency
6345	Currency, coded	M	an..3		EUR - Euro CHF - Swiss franc
6343	Currency, qualifier	M	an..3		4 – invoice currency
CUX+2:EUR:4'					

PAT		Frequency: 10			K
Segment		Application, codes permitted			
4279	Type of payment terms, qualifier	M	an..3		3 – firm date (for currency and maturity date without discount deduction) 22 – deduction (for maturity date with discount deduction)
PAT+3'					

DTM		Frequency: 35			K
Segment		Application, codes permitted			
C507	Date / time / time period	M			
2005	Date / time / time period, qualifier	M	an..3		209 – currency date 12 – maturity date for discount deduction 13 – maturity date without discount deduction
2380	Date / time / time period	M	an..35		Date
2379	Date / time / time period, format qualifier	M	an..3		102 – date format (YYYYMMDD) 107 – maturity in days (DDD)
DTM+209:20130310:102'					
DTM+12:20130315:102'					

PCD		Frequency: 10			K
Segment		Application, codes permitted			
C501	Per cent indications	M			
5245	Percentage, qualifier	M	an..3		12 – deduction
5482	Percentage	M	an..35		Discount deduction in percent
PCD+12:3'					

ALC		Frequency: 9999			K
Segment		Application, codes permitted			
5463	Surcharge / discount, qualifier	M	an..3	A – discount C – surcharge	
C552	Surcharge / discount information	K			
1230	Surcharge or discount	K			
4471		K			
1227	Calculation subsequent advert, coded	K	an..3	1 – first step of the calculation	
C214	Identification of special services and performances	K			
7161	Special services / performances, coded C an..3 C an..3	K		EAB – discount DI – deduction FC – freight costs The following qualifier are only allowed for INVOIC with del credere via EK/servicegroup eG!!! <i>AA – advertising expenses</i> <i>AAB – reshipment costs</i> <i>ABL – packaging costs</i> <i>ADR – other services</i> <i>HD – handling</i> <i>IN – insurance</i> <i>MAC – minimum quantity surcharge</i> <i>NAA – disposable container</i> <i>PC – wrapping costs</i> <i>RAA – refunding</i> <i>SH – special handling services</i>	
1131	Code list, qualifier	K	an..3		
3055	Responsible agency for the code list, coded	K	an..3		
7160	Special services / performances	K	an..35	Special services	
ALC+A+++1+EAB:::Text'					

PCD		Frequency: 1			M
Segment		Application, codes permitted			
C501	Percent indications	M			
5245	Percentage, qualifier	M	an..3	3 – deduction	
5482	percentage	K	an..35	Percentage of the surcharge / discount	
PCD+12:3'					

MOA		Frequency: 2			K
Segment		Application, codes permitted			
C516	Money amount	M			
5025	Type of money amount, qualifier	M	an..3	8 – money amount	
5004	Money amount	K	n..18	Money amount of the surcharge / discount	
MOA+8:30.00'					

LIN		Frequency: 200000			M
Segment		Application, codes permitted			
1082	Item number	M	n..6	Item number	

1229	Action request / information, coded	K		
C212	Goods / service number, identification	M		
7140	Product / service number	M	an..35	EAN
7143	Product / service number, type, coded	M	an..3	EN
LIN+1++3296580080106:EN'				

PIA	Frequency: 25			K
Segment	Application, codes permitted			
4347	Product identification function, qualifier	M	an..3	1 – additional information
C212	Product / service number, identification	M		
7140	Product / service number	M	an..35	Item number of the supplier
7143	Product / service number, type, coded	M	an..3	SA – item number of the supplier
PIA+1+0815CC:SA'				

PIA	Frequency: 25			K
Segment	Application, codes permitted			
4347	Product identification function, qualifier	M	an..3	1 – additional information
C212	Product / service number, identification	M		
7140	Product /service number	M	an..35	Item number of the trader
7143	Product / service number, type, coded	M	an..3	BP – item number of the trader
PIA+1+4711:BP'				

IMD	Frequency: 99			K
Segment	Application, codes permitted			
7077	Product / service description, type, coded	M	an..3	F –free format
C273	Item identification	M		
7008	Product / service description	M	an..35	Item text
7008	Product / service description	K	an..35	Item text
IMD+F+++::: Test item :text'				

QTY	Frequency: 10			M
Segment	Application, codes permitted			
C186	Quantity indications	M		
6063	Quantity, qualifier	M	an..3	47 – invoiced quantity 192 – Quantity without charge
6060	Quantity	M	n..15	Quantity
6411	Measuring unit, qualifier	M	an..3	PCE – piece
QTY+47:1:PCE'				

MOA		Frequency: 2			K
Segment		Application, codes permitted			
C516	Money amount	M			
5025	Type of money amount, qualifier	M	an..3	203 – net item amount 66 – gross item amount	
5004	Money amount	K	n..18	Net item amount	
MOA+8:30.00'					

PRI		Frequency: 99			K
Segment		Application, codes permitted			
C509	Price information	K			
5125	Price, qualifier	M	an..3	AAA – net price per sales unit AAB – gross price per sales unit	
5118	price	K	n..35	Price indication	
5375	Type of price, coded	K			
5387	Type of price, qualifier	K			
5284	Price base quantity	K	n..9	Price base quantity	
6411	Measuring unit, qualifier	K	an.3	PCE – piece	
PRI+AAA:99.99:::1:PCE'					
PRI+AAB:199.99:::1:PCE'					

RFF		Frequency: 35			K
Segment		Application, codes permitted			
1153	Reference, qualifier	M	an..3	ON – order number of the customer (mandatory field, must be indicated on the header or all positions) DQ – delivery note number	
1154	Reference number	M	an..35	number	
1156	Line number	K	an..6		
4000	Reference version number	K	an..35		
RFF+ON:4711' (mandatory field, must be indicated on the header or all positions.)					

DTM		Frequency: 35			K
Segment		Application, codes permitted			
C507	Date / time / time period	M			
2005	Date / time / time period, qualifier	M	an..3	171 – document date	
2380	Date / time / time period	M	an..35	Date	
2379	Date / time / time period, format qualifier	M	an..3	102 – date format (YYYYMMDD)	
DTM+171:20130310:102'					

TAX		Frequency: 1			K
Segment		Application, codes permitted			
5283	Duty / tax / fee class, qualifier	M	an..3	7 – tax	

C241	Duty / tax / fee type	K		
5153	Duty / tax / fee type, coded	M	an..3	VAT – value added tax
C533	Account details of duty / tax / fee	K		
5289	Characteristics for the settlement of duty / tax / fees	K	an..6	
5286	Duty / tax / fees, assessment basis	K	an..15	
C243	Duty / tax / fees	K		
5279	Duty / tax / fee rate, identification	K	an..7	
1131	Code list, qualifier	K	an..3	
3055	Responsible agency for the code list, coded	K	an..3	
5278	Duty /tax / fee rate	M	an..17	Bps.: 19 (19%)
TAX+7+VAT++++:19'				

ALC		Frequency: 9999			K
Segment		Application, codes permitted			
5463	Surcharge / discount, qualifier	M	an..3	A – discount C –surcharge	
C552	Surcharge / discount information	K			
1230	Surcharge or discount	K			
4471		K			
1227	Calculation sequence indicator, coded	K	an..3	1 – first step of the calculation	
C214	Identification of special services and performances	K			
7161	Special services / performances, coded	K		EAB – discount DI – deduction FC – freight costs	
1131	Code list, qualifier	K	an..3		
3055	Responsible agency for the code list, coded	K	an..3		
7160	Special services / performances	K	an..35	Special services	
ALC+A+++1+EAB:::Text'					

PCD		Frequency: 1			M
Segment		Application, codes permitted			
C501	Percent indications	M			
5245	Percentage, qualifier	M	an..3	3 – deduction	
5482	percentage	K	an..35	Percentage of the surcharge / discount	
PCD+12:3'					

MOA		Frequency: 2			K
Segment		Application, codes permitted			
C516	Money amount	M			
5025	Type of money amount, qualifier	M	an..3	3 – deduction	
5004	Money amount	K	n..18	Money amount	
MOA+8:30.00'					

UNS		Frequency: 1			M
Segment		Application, codes permitted			
0081	Section code, coded	M	a1	S – separation item / sum part	
UNS+S'					

MOA		Frequency: 5			M
Segment		Application, codes permitted			
C516	Money amount	M			
5025	Type of money amount, qualifier	M	an..3	79 – sum of net item amounts 125 – taxable amount 124 – VAT amount 77 – invoice end amount 131 – total surcharges or discounts as absolute amount	
5004	Money amount	K	n..18	amount	
MOA+79:90.00'					
MOA+125:100.00'					
MOA+124:19.00'					
MOA+77:119.00'					
MOA+131:10.00'					

TAX		Frequency: 10			K
Segment		Application, codes permitted			
5283	Duty / tax / fee class, qualifier	M	an..3	7 – tax	
C241	Duty / tax / fee class	K			
5153	Duty / tax / fee type, coded	M	an..3	VAT – value added tax	
C533	Account details of duty / tax / fees	K			
5289	Characteristics for the settlement of duty / tax / fees	K	an..6		
5286	Duty / tax / fees, assessment basis	K	an..15		
C243	Duty / tax / fees	K			
5279	Duty / tax / fee rate, identification	K	an..7		
1131	Code list, qualifier	K	an..3		
3055	Responsible agency for the code list, coded	K	an..3		
5278	Duty / tax / fee rate	M	an..17	Bps.: 19 (19%)	
TAX+7+VAT++++:19'					

MOA		Frequency: 2			M
Segment		Application, codes permitted			
C516	Money amount	M			
5025	Type of money amount, qualifier	M	an..3	79 – sum of the net item amounts 125 – taxable amount 124 – VAT amount 131 – Total surcharges or discounts as amount	
5004	Money amount	K	n..18	amount	
MOA+79:90.00'					

MOA+125:100.00'
MOA+124:19.00'
MOA+131:-10.00'

UNT		Frequency: 1			M
Segment		Application, codes permitted			
0074	Number of segments in one message	M	n..6	Total number of segments in one message	
0062	Message reference number	M	an..14	Repeat of the reference number from the UNH segment	
UNT+17+012345'					

UNZ		Frequency: 1			M
Segment		Application, codes permitted			
0036	Data exchange counter	M	n..6	Number of messages or message groups in the transmission file	
0020	Data exchange reference	M	an..14	Identical with DE 0020 in the UNB segment	
UNZ+1+00012'					

4. Modification history

Date	Modification
05.03.2014	TAX and MOA segments frequency adjusted. Text in MOA+131 adjusted.
09.04.2014	MOA-8 adjusted in surcharge/discount
29.07.2014	RFF+ON defined as mandatory field, has to be stated on the header or all positions.
30.12.2014	IMD+F item description adjusted as free text
16.03.2015	DTM-Segment: modified to 'mandatory' NAD+RFF-IT added NAD+CTA+COM complemented in the detailed description TAX-Segment: Field 5305 added PAT-Segment: Qualifier 7 removed
30.10.2015	MOA-segment at position level: new qualifier 66 (gross item amount)
31.05.2016	ALC-segment at top level: new qualifier added (please note: only allowed for INVOIC with del credere via EK/servicegroup eG)
03.01.2017	Possible / optional - differences between compressed and detailed display removed
13.12.2017	GLN in segment NAD is mandatory
04.02.2021	New code in segment BGM field 1225 added: 31 – Copy
25.02.2022	segment CUX: currency CHF (= Swiss franc) added