

# UNIDOC<sup>®</sup> 2.1

EDI Guideline

Standard format for all document types  
Standardised format for all document types

Version 2.1.0

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## 2 Introduction: The UNIDOC® Concept

EDICENTER has been dealing with the problem of interfaces (formats) and standardisation for almost 20 years now. Those who work in the industry have long since realised that a general standard is an illusion. New requirements are added daily, old ones remain. Not only is there a mountain of "meta-standards" such as EDIFACT, X.12, Odette etc., but even within these "framework standards" the players from trade and industry are constantly defining exceptions.

That's exactly what we take care of for you!

We prepare your data the way your business partner (EDI partner) wants it. With EDICENTER you communicate in a uniform in-house format. This was already the case in the past, but in most cases in the form of flat files. Here we had developed a separate structure for *each individual* document type, such as order, shipping notification, invoice, payment notification, sales report. This is now different. **UNIDOC® is an XML structure that unites all document types.** The basic structure and many other things, e.g. the names of the tags, are always the same. The programmer of your ERP system only has to deal with a single structure and can use it for all transactions, incoming and outgoing.

Important notice:

If a new "field", a new piece of information, is needed at a later date because your customer wants to see your shoe size in the delivery notification, for example, we define a new tag at a sensible point, e.g. <size\_of\_shoe>, which will then in turn be available for ALL document types. UNIDOC® thus remains downward compatible.

**We strongly recommend programming your import routine in such a way that unknown tags do not lead to an error, but are read over.** Then, in case of an extension of the UNIDOC, you do not have to adapt your programme if you do not need the new information at all.

Versioning:

Digit 1 = MAJOR, e.g. change of structure, data model (possibly no longer downward compatible)

Digit 2 = MINOR, e.g. insertion of additional fields or codes

Digit 3 = PATCH, i.e. error corrections in the XSD file

If only an error in the doc is corrected, the version does not change, only the doc date.

*Example:*

UNIDOC 2.1

Version 2.1.2

Datum / date of XSD: 01.04.2019

Datum / date of manual: 17.09.2019

In plain language: Major version 2 was extended once (from 2.0 to 2.1). This extended version was corrected twice (2.1.0 -> 2.1.1 -> 2.1.2), most recently on 01.04.2019. You are currently holding the documentation for version 2.1.2 as of 17.09.2019.

### 3 Technical specifications

#### Text coding

The UNIDOC® file must be UTF-8 encoded and must not contain a BOM (Byte Order Mark).

#### Line break

In a UNIDOC® file, the line breaks between the XML tags are not necessary, but permissible. A UNIDOC® file with line breaks must comply with one of the two following standards (please do not mix them within one file under any circumstances):

Standard	Abbreviation	Description	Code Hex	Code Decimal
<b>Linux</b>	LF	line feed (line feed)	0A	10
<b>Windows</b>	CR LF	carriage return (carriage return) and line feed	0D 0A	13 10

#### Tag names

All tag names must be written in lower case.

#### XML entities

The following characters have special functions and must therefore not occur in the content (i.e. *within* an XML tag). Therefore, the following XML entities must be used instead:

Name	Characters	XML entity
<b>Ampersand</b>	&	&amp;
<b>Greater-than sign</b>	>	&gt;
<b>Less-than sign</b>	<	&lt;
<b>Inverted commas</b>	"	&quot;
<b>Apostrophe</b>	'	&apos;

## XML declaration

The UNIDOC® file must have the following XML declaration at the beginning: `<?xml version="1.0" encoding="UTF-8"?>`

## XML namespace

The UNIDOC® file must refer to the following XML namespace in the `xmlns` attribute of the `transmission` element:  
`http://www.edicenter.de/UNIDOC`

Concrete execution:

```
<?xml version="1.0" encoding="UTF-8"?>
<transmission xmlns="http://www.edicenter.de/UNIDOC">
...
</transmission>
```

## XML attributes

The UNIDOC® interface does not use XML attributes in the tags (only exception: `transmission` tag with `xmlns` attribute).

## 4 Legend

### Data types ("Type" column)

Abbreviation	Name	Description
ch	character	Any character string, UTF-8 encoded; however, the following 5 characters must always be replaced by XML entities are replaced: < by &lt; > by &gt; " by &quot; & through &amp; ' by &apos;
n.0 n.2 n.3 n.4	numeric	Numerical value with indication of the maximum decimal places; no thousand separators allowed; for negative values, the sign is on the left; The decimal separator is the point. Common numerical accuracies are: n.0 for counters, document numbers etc. (integer without decimal places) n.2 for monetary amounts, (rounded) sums n.3 for quantities n.4 for individual prices
b	boolean	Values: "true" or "false" (If a boolean tag is not present, this does not mean "false", but "no statement")
d	date	Date in YYYY-MM-DD format according to ISO 6801
t	time	Time in format hh:mm:ss according to ISO 6801; 24-hour system (i.e. no a.m./p.m.)

### Field statuses (column group "Mandatory status when sending")

Abbreviation	Name	Description
•	absolutely mandatory	Mandatory information. If this indicator is in the column "ALL", it actually applies to ALL types of coverings, i.e. those that do not have their own column in this documentation (e.g. REMADV).
→	dependent	Depending on the situation; it is essential to observe the notes in the field description! Marked in the XSD file with <i>minOccurs="0"</i> .
x	excluded	May only be used after consultation. Marked in the XSD file with <i>minOccurs="0"</i> .

If there is no abbreviation under the message type "ALL", the field only applies to messages where an abbreviation has been set.

These specifications apply to outgoing UNIDOC® files from the user's point of view, i.e. those received by EDICENTER.

If, on the other hand, the EDICENTER generates UNIDOC® (e.g. from EDIFACT-ORDERS received from the trade or from VDA delivery schedules), then the EDICENTER provides all the information that is available in the source file and for which there is a corresponding tag in the UNIDOC®. In this case, there are no mandatory fields.

### Field lengths ("Max" column)

The maximum total length is always given, i.e. including sign and separator.

Empty tags are to be omitted; therefore the minimum length for existing tags is always "1".



## 5 The "main nodes" (group tags) and their hierarchy at a glance

Tag name and level		Description	min_occ	max_occ	
<transmission>		File header	1	1	
<documents>		Documents	1	1000	
<partners>		Partners/addresses for the document	2	10	
<certificates>		Partner certificates	0	10	
<reference_documents>		References to other documents	0	10	
<free_texts>		Free texts for the document	0	10	
<transport_routes>	Special block for logistics messages IF*	Transport routes	0	1000	
<partners>		Partners/addresses for the transport route	2	10	
<appointments>		Appointment information for the transport route	1	100	
<allowances_charges>		Freight costs to the transport route	0	10	
<free_texts>		Free texts for the transport route	0	10	
<consignments>		Consignment information for a single consignment	0	1000	
<partners>		Partners/addresses for the programme	2	10	
<reference_documents>		References to other documents on the programme	0	10	
<consignment_specifications>		Specifications according to agreed code lists (e.g. CargoLine)	0	10	
<appointments>		Appointment information for the programme	0	100	
<allowances_charges>		Freight costs to the consignment	0	10	
<free_texts>		Free texts for the programme	0	10	
<line_items>			Article positions/lines	1	1000
<certificates>			Certificates of the article	0	10
<allowances_charges>		Discounts for item position	0	10	
<partners>		Partners/addresses for the article position	0	10	
<reference_documents>		References to other documents	0	10	
<line_serials>		Serial and batch numbers	0	1000	
<free_texts>		Free texts for the article position	0	10	
<packages>		Packaging information	0	1000	
<packages_lineitems>		Assignment of article positions to packaging	0	1000	
<dangerous_goods>		Dangerous goods information	0	1000	
<allowances_charges>		Additions and deductions at document level	0	10	
<document_taxes>		Control at document level	0	10	
<transmission_taxes>		File level taxes (totals)	1	1	

## 6 The complete UNIDOC structure

### <transmission>

This mandatory group corresponds to a file header and trailer. At the beginning of the file, the following fields are transmitted. At the end of the file, others follow, which are described below. Within this group, one or more documents are transmitted.

**ATTENTION:** Your trading partner may want a summary of your data, e.g. all invoices of one day in one single file.

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
transmitter	ch	35	•	•	•	•	•	•	Sender ID (unique, preferably GLN)	4035377000007	UNB.0004
recipient	ch	35	•	•	•	•	•	•	Recipient ID (unique, preferably GLN)	5450534000000	UNB.0010
creation_date	d		•	•	•	•	•	•	Creation date of the source file	2021-02-24	UNB.0017
creation_time	t		•	•	•	•	•	•	Creation time of the source file	10:00:03	UNB.0019
is_test	b								Test indicator set?	true	UNB.0035
message_type	ch	6	•	•	•	•	•	•	Message type / Occupancy type: CORINV = Correction invoice - only for PL/HU DELFOR = Delivery instruction DELJIT = JIT call-off DESADV = Despatch advice IFCSUM = Cargo manifest / Bordero IFTMIN = transfer order INVOIC = Invoice and credit note INVRPT = Inventory data ORDCHG = Order change ORDERS = Order ORDRSP = Order confirmation OSTRPT = Order status report PRICAT = Article master data RECADV = Goods Receipt Report REMADV = remittance advice SLSRPT = Sales Report	INVOIC	UNH.0065
version_number	ch	3	•	•	•	•	•	•	Version number of the UNIDOC interface	2.0	
release_number	ch	3	•	•	•	•	•	•	Release number to version number	2	
transmission_number	ch	14	•	•	•	•	•	•	Unique consecutive transmission number (Special case VDA: Counter per recipient consecutive and maximum 5-digit numeric)	47	UNB.0020
transmission_	ch	14	→	→	→	→	→	→	Previous transmission number (mandatory for VDA)	46	



Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
									SRC = service credit / Leistungsgutschrift <hr/> To INVRPT: INR = inventory report / inventory data <hr/> To ORDCHG: OCH = order change / Bestelländerung <hr/> To ORDERS: PON = purchase order / normal order POC = p.o. customer / end customer order POP = p.o. promotion / advertising order POS = p.o. samples / sample order COR = call order / delivery call-off UGD = urgent delivery / rush order POI = Purchase Order Invoic / Order from the one invoice should be generated POL = Purchase Order Plan / Order that the recipient modifi- may en/plan COM = Commission No. <hr/> To ORDRSP: ORS = order response / order confirmation <hr/> To OSTRPT: OSR = Order status report <hr/> To PRICAT: CAT = catalogue / article master data <hr/> To RECADV: REC = receipt advice / goods inward notification <hr/> To REMADV: RAI = remittance advise invoice / Payment advice for an invoice RAS = remittance advise summary / Payment advice for an invoice list <hr/> To SLSRPT: SLR = salesreport / sales report		
document_number	ch	35	•	•	•	•	•	•	Document number (corresponds to <document_type: order number, invoice number, transport number etc)	60001	BGM.1004
document_name	ch	35	x	x	x	x	x	x	Additional designation, e.g. for the catalogue name in PRICAT		

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
document_function	ch	3	●	●	●	●	●	●	A = abortion C = change D = duplicate O = original R = replace	O	BGM.1225
document_date	d		●	●	●	●	●	●	Document date (document date)	2021-02-23	DTM+137
document_time	t		x	x	x	x	x	x	Time at voucher date		
delivered_date	d				●	●			Date delivered (actual delivery date); for collective invoices, the settlement period.	2021-02-04	DTM+35
delivered_time	t		x	x	x	x	x	x	Actual delivery time	13:00:00	
delivery_type	ch	3	x	x	x	x	x	x	STD - standard / to a (central) warehouse DIR = direct / to market or branch office CDO = cross docking / to a warehouse for forwarding to store or branch DRS = directly to the end customer ("route") PIC = pickup / at the market or branch; goods are collected there by the end customer		
delivery_date_type	ch	3	●	●	●	●	●	●	Type of requested < delivery_date > / < delivery_time > : L = latest delivery date F = fixed delivery date P = pickup date / VDA: handover to forwarding agent	L	
delivery_date	d		●	●	●	●	●	●	Required or latest delivery date; meaning for PRICAT: "valid until ...".	2021-02-05	DTM
delivery_time	t		x	x	x	x	x	x	Required or latest delivery time	15:00:00	DTM
delivery_date_earliest	d					→		●	Earliest requested delivery date (to specify a time span in conjunction with delivery_date_type "L"); For PRICAT duty with the meaning "valid from ...". In the case of a collective invoice, the settlement period.	2021-02-05	DTM
delivery_time_earliest	t		x	x	x	x	x	x	Earliest desired delivery time (to specify a time span in conjunction with delivery_date_type "L")		DTM
shipping_date	d							●	Date of dispatch / date of receipt	2021-02-06	DTM+11
shipping_time	t							●	Dispatch time / takeover time	14:00:00	DTM+11
vat_rate	n.2	5	→	→	→	→	→	→	Main VAT rate (compulsory if items are indicated as taxable)	7	TAX
vat_free	b								Voucher completely exempt from VAT?	false	TAX
currency	ch	3		●		●			Currency	EUR	CUX
currency_target	ch	3	x	x	x	x	x	x	Target currency		CUX

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
currency_exchange_rate	n.4	15	x	x	x	x	x	x	Conversion rate to target currency		CUX
<b>Payment conditions (these may only be transferred after consultation with the data recipient!)</b>											
net_payment_term	d		x	x	x	x	x	x	(Net) payment date	2021-03-23	DTM
early_payment_date	d		x	x	x	x	x	x	Latest payment date in case of cash discount. If this date is carried forward, both the cash discount amount and the percentage shall be carried forward.	2021-03-09	DTM
early_payment_rate	n.2	5	x	x	x	x	x	x	Discount rate in percent	2.00	PCD
early_payment_amount	n.2	15	x	x	x	x	x	x	Cash discount amount	11.94	MOA
value_date	d		x	x	x	x	x	x	Value date of the invoice	2021-07-23	DTM
<b>Transport / Logistics</b>											
number_of_packages	n.0				●			●	Number of packages	3	PAC
total_gross_weight	n.3	15	x	x	x	x	x	x	Total gross weight of the delivery in kg	340	
slb	ch	35	→	→	→	→	→	→	Consignment reference number (mandatory for VDA)		
transport_route_coded	b		x	x	x	x	x	x	Exclusively domestic transport?	true	TDT
transport_type_coded	ch	3	x	x	x	x	x	x	Transport type coded: 10 = maritime 11 = maritime express 20 = rail 21 = rail express 30 = road 31 = road express 40 = air 41 = air express 50 = parcel service 51 = parcel service express 60 = mixed 90 = pickup	30	TDT
transport_type_description	ch	35	x	x	x	x	x	x	Description of the transport type (mandatory if a coded transport type has been specified in <transport_type_coded>).	STREET	TDT
transport_vehicle_coded	ch	3						●	C20 = Container 20 ft C40 = Container 40 ft C45 = Container 45 ft		

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
									PIC = van / pickup SMT = Klein-LKW / small truck TRL = Hanger train / lorry trailer TRM = Megatrailer TRS = Standard Trailer ZZZ = Other		
transport_vehicle_description	ch	512					•		Means of transport Description		
vehicle_licence_plate_number	ch	35	x	x	x	x	x	x	Vehicle registration number	A-EC 3456	TDT
container_number	ch	35					•		Container number		
freight_terms_iso	ch	3				•			Terms of delivery (Incoterms) ISO-coded, e.g.: CAI = unfree CAF = free destination address DAF = Free German Border DDP = delivered duty paid / free domicile DDU = delivered duty unpaid / unverzollt EXW = ex works / ex works FCA = free carrier / free receiving carrier FOB = free on board / free port of loading ZZZ = individual agreement	EXW	TOD
terms_text	ch	70	x	x	x	x	x	x	Delivery conditions in free text format	ex works	TOD

. ...< partners>< partner>

At least 2 partners must be indicated for each document, usually the customer (buyer or invoice recipient) and the supplier.

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
partner_role_coded	ch	3	●	●	●	●	●	●	Qualifier for the role of the partner, e.g.: BY = buyer / purchaser CN = consignee / recipient CZ = consignor / consignor DP = delivery party / consignee DS = distributor FW = forwarder / conveyor IV = invoicee / invoice recipient OB = ordered by Orderer (initiator of an order) MF = manufacturer / Hersteller PE = payee / payee PR = payer / payer liable PW = despatch party / goods shipper SF = ship from / sending point SN = store / branch (can be used for branch- /Central orders occur) SU = supplier / vendor UC = ultimate consignee / End recipient UD = ultimate customer / End customer	SU	NAD+BY NAD+CN NAD+CZ NAD+DP NAD+DS NAD+FW NAD+IV NAD+MF NAD+OB NAD+PE NAD+PR NAD+PW NAD+SF NAD+SN NAD+SU NAD+UC NAD+UD
edi_id	ch	35	●	●	●	●	●	●	Identification number of the participant, usually GLN	4035377000007	NAD
id_buyer	ch	35	x	x	x	x	x	x	Internal number of the participant in the buyer's system	EDIC123	NAD
id_supplier	ch	35	x	x	x	x	x	x	Internal number of the participant in the supplier's system	MET456	NAD
vat_id	ch	20		● →	● →	● →			European VAT ID number (only mandatory for EU partners; because third countries do not have one)	DE123456789	RFF+VA
tax_number	ch	35	x	x	x	x	x	x	National tax number (usually obsolete; only the vat_id is used, if available)		RFF+FC
weee_id	ch	35	→	→	→	→	→	→	WEEE number = take-back of electronic waste; mandatory for electronic products (can alternatively be transferred to item level)	DE87654321	RFF+XA
bio_id	ch	35	→	→	→	→	→	→	Number of the organic inspection body; mandatory for organic products (can alternatively be transferred to item level)	IT-BIO-001	RFF+XC1





Plain text address and contact details												
name1	ch	70	•	•	•	•	•	•	Plain text address of the person involved	EDICENTER	NAD	
name2	ch	70										NAD
street	ch	70			•	•	•	•			Gutenbergstr. 15	NAD
city	ch	70			•	•	•	•			Neusaess	NAD
zip	ch	11			•	•	•	•			86356	NAD
country_iso	ch	3			•	•	•	•			EN	NAD
contact_name	ch	70	→	→	→	→	→	→	Contact person of the party involved with contact details (required by some recipients and should therefore be included with the supplier, buyer and invoice recipient).	Mr Jens Huber	CTA	
contact_phone	ch	70	→	→	→	→	→	→		+49821246590	COM	
contact_fax	ch	70	→	→	→	→	→	→		+498212465960	COM	
contact_email	ch	70	→	→	→	→	→	→		<a href="mailto:in@edicenter.de">in@edicenter.de</a>	COM	
Bank details (mandatory for INVOIC in some countries)												
bank_name	ch	70	x	x	x	x	x	x	Name of the credit institution		FI	
bank_branch	ch	70	x	x	x	x	x	x	Name of the branch, e.g. location information		FI	
bank_swift_code	ch	11	x	x	x	x	x	x	SWIFT code / BIC		FI	
bank_country_iso	ch	3	x	x	x	x	x	x	ISO country code		FI	
bank_account_number	ch	35	x	x	x	x	x	x	Account number		FI	
bank_account_iban	ch	35	x	x	x	x	x	x	IBAN code, max. 34 digits, in Germany 22		FI	
bank_account_holder	ch	70	x	x	x	x	x	x	Account holder		FI	
bank_reason	ch	70	x	x	x	x	x	x	Intended use		FI	
Commercial register information (mandatory for INVOIC in some countries)												
legal_form	ch	70	x	x	x	x	x	x	Legal form	GmbH		
company_headquarter	ch	70	x	x	x	x	x	x	Head office of the company	Berlin		
company_registration_number	ch	70	x	x	x	x	x	x	Handesregisterummer	HRB12345	RFF+GN	
court_of_registry	ch	70	x	x	x	x	x	x	Competent registry court (or office)	Augsburg Local Court		
equity	n.0	15	x	x	x	x	x	x	Equity or share capital	25000		

. ...< partners> <partner> < certificates>< **certificate**>

In this group, certificates can be specified that refer to the one partner, e.g. the supplier. For item-specific certificates, use the <certificates> group within <line\_item>.

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
certificate_type_coded	ch	3	•	•	•	•	•	•	BIO = number of the organic inspection body WEE = WEEE number (electronic waste) FSC = Forest Stewardship Council PEF = Programme for the Endorsement of Forest Certification Schemes	BIO	RFF+XC1
certificate_id	ch	35	•	•	•	•	•	•	Number / ID of the certificate	IT-BIO-001	
certificate_description	ch	35	x	x	x	x	x	x	Description, e.g. the class of the certificate		

.....<reference\_documents>< reference\_document>

Other documents can be referenced in this group. References can be made to "internal" documents (i.e. documents that have already been transmitted via EDI) as well as to "external" documents (e.g. contracts that are only available in paper form).

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
reference_type_coded	ch	3	•	•	•	•	•	•	All codes from the <document_type> field in the <document> group and <u>additionally are</u> allowed: AAU = original delivery note (issued by third party) ABO = Invoice list number / collective invoice number ACD = goods issue number BO = Central order number CBN = Booking number forwarder / carrier booking number CCN = Customer Consignment Number / Customer consignment number CDN = Complaint number CK = Number of the payment medium CO = Order number end customer CT = contract number / Vertragsnr. DM = original document (for credit note) DQL = delivery note number (for VDA: No. of the last delivery note) FFW = Consignment number / freight forwarder's reference number PD = Action number PDR = redemption number PL = Price list number PRF = pickup reference number / pickup reference VN = internal order no. at the supplier / vendor's order number	DQ	RFF
reference_document_number	ch	35	•	•	•	•	•	•	Reference document number	L12345-A	RFF
reference_line_item_number	ch	9	→	→	→	→	→	→	Position number within the reference document (if a position line is to be referenced)		RFF
reference_document_date	d		→	→	→	→	→	→	(Voucher) date of the reference document; mandatory if available	2021-01-15	DTM+171
reference_document_time	t		x	x	x	x	x	x	Time of the reference document		DTM+171



..... <free\_texts>< free\_text>

Free texts can be transmitted here. This is partly required by the trade (e.g. reference to discount agreements), but from an EDI point of view it is nonsense.

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
text_type_coded	ch	3	•	•	•	•	•	•	Type 1 (Qualifier for typing the following text information): AAK = Individual charge reduction texts AAZ = Additional export information BAJ = Information to be indicated on the shipping documents. FFW = Tracking link LZB = Landeszentralbank registration number ZZZ = free text ----- Type 2 (Qualifier with implicit meaning, without subsequent text information): DSS = average tax rate according to § 22 para. 1 UStG EUS = import turnover tax IGD = Intra-Community supply according to § 4 No. 1b in conjunction with § 6 UStG, EUST exempt but subject to purchase tax IGL = Intra-Community supply according to Art. 6 Para. 1 UStG RCH = Reverse Charge according to § 19 para. 1 UStG S67 = Tax-exempt according to § 6 para. 1 line 27 UStG S69 = Tax-exempt according to § 6 para. 1 no. 9 UStG SA7 = Tax-exempt export according to § 7 UStG ST1 = There are charge reductions to Reason for discount and bonus agreements ST2 = Charge reductions result from our current framework and Condition agreements ST3 = Discount or bonus agreements exist	ZZZ	FTX

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
									TRT = Triangular Trade VAT = Regular tax		
text	ch	512	→	→	→	→	→	→	Text; mandatory if <text_type_coded> of type 1	This is a voucher free text.	FTX
language	ch	3	•	•	•	•	•	•	Language according to ISO codes (e.g. DE for German)	EN	FTX

==>> End of the document header. Now follow the groups for logistics (only relevant for IF\*).

==>> For all other supporting documents, please skip this section and go directly to .....<line\_items><line\_item>.

..... <transport\_routes><transport\_route>

This group is to be used for LOGISTICS only. At least one transport route must be identified in each IFCSUM.

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
transport_route_id	ch	35	•	•	•	•	•	•	Route ID (key) for the link to a consignment		
route_distance	n.2	15	•	•	•	•	•	•	Total length of the route		
distance_unit	ch	3	•	•	•	•	•	•	Length unit for distance: KMT = kilometre NMI = nautical mile		

..... <transport\_routes><transport\_route><partners><partner>

This group provides partner information on the transport route. At least 2 types of <partner> must be specified:

- PW = despatch party
- DP = delivery party.

Its structure is identical to <transmission><documents><document><partners><partner>.



..... <transport\_routes><transport\_route> <appointments><appointment>

This group optionally provides appointment information for the transport route.

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
date_type_code	ch	3	•	•	•	•	•	•	PEA = PickUp Date earliest PLT = PickUp Date latest UEA = Delivery Date earliest ULT = Delivery Date latest ZZZ = as mutually agreed		
date_value	d		•	•	•	•	•	•			
time_start	t		x	x	x	x	x	x			
time_end	t		x	x	x	x	x	x			
appointment_text	ch	512	→	→	→	→	→	→	Mandatory if <date_type_code> = "ZZZ"		

..... <transport\_routes><transport\_route> <allowances\_charges><allowances\_charge>

This group optionally represents freight costs to the transport route.  
Its structure is identical to .....<line\_items><line\_item><allowances\_charges><allowance\_charge>

..... <transport\_routes><transport\_route><free\_texts><free\_text>

This group optionally represents free texts for the transport route. It is structurally identical to <transmission><documents><document><free\_texts><free\_text>.

..... <consignments><consignment>

This group provides consignment information on the individual consignments of a transport.

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
<b>consignment_id</b>	ch	35	●	●	●	●	●	●	Consignment ID for the link to the consignment items		
<b>transport_route_id</b>	ch	35	●	●	●	●	●	●	Route ID for linking shipment/consignment to a route		
<b>consignment_distance</b>	n.2	15	x	x	x	x	x	x			
<b>distance_unit</b>	ch	3	→	→	→	→	→	→	Length unit for distance: KMT = kilometre NMI = nautical mile Mandatory if <consignment_distance> exists.		

..... <consignments><consignment><partners><partner>

This group provides partner information for the programme. At least 2 types of <partner> must be specified:

- CZ = Consignor / consignor
- CN = recipient / consignee

Its structure is identical to <transmission><documents><document><partners><partner>.

..... <consignments><consignment>< reference\_documents >< reference\_documents>

This group optionally allows the specification of reference documents for a transmission.  
It is structurally identical to <transmission><documents><document><reference\_documents><reference\_document>.

Qualifiers for the reference documents are allowed here:

- CBN = Carrier Booking Number
- PRF = Pickup Reference Number = Pickup Reference Number
- CCN = customer consignment number

..... <consignments><consignment> <consignment\_specifications><consignment\_specification>

This group optionally allows the specification of consignment specifications according to agreed code lists (in Germany CargoLine).

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
consignment_specification	ch	3	→	→	→	→	→	→	Coded consignment specification according to agreed code lists (in Germany CargoLine). Either <consignment_specification> <b>or</b> <text> <b>must be</b> specified.		
text	ch	512	→	→	→	→	→	→	Consignment specification in free-text form. Either <consignment_specification> <b>or</b> <text> <b>must be</b> specified.		
language	ch	3	•	•	•	•	•	•			

..... <consignments><consignment><appointments><appointment>

This group provides scheduling information for the programme.

It is structurally identical to <transmission><documents><document><transport\_routes><transport\_route><appointments><appointment>.

..... <consignments><consignment> <allowances\_charges><allowances\_charge>

This group represents optional freight charges to the consignment.

Its structure is identical to .....<line\_items><line\_item><allowances\_charges><allowance\_charge>

..... <consignments><consignment> <free\_texts><free\_text>

This group represents optional free texts for the programme.

It is structurally identical to <transmission><documents><free\_texts><free\_text>.

**===== End of the logistics section - now the item positions follow =====**

..... <line\_items>< line\_item>

This group represents the item position. Each document must contain at least one item.  
 In the case of logistics, "item" means a consignment item (instead of individual items).

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
line_item_number	n.0	6	•	•	•	•	•	•	Unique position number (line number)	1	LIN
line_item_number_reference	ch	6	→	→	→	→	→	→	Reference to another position, if required (e.g. if pos. 2 is part of a display that was shown in pos. 1).		LIN

Tag name	Type	Max	Mandatory status when sending					Description	Sample content	EDIFACT position and qualifier (example)	
			ALL	ORDRSP	DESADV	INVOIC	IF*				PRICAT
line_state	ch	3		•				•	<p><u>Status message</u>                      ADD = added                      CHG = changed                      CHP = Change proposed                      DEL = deleted                      DON = already delivered                      NEV = finally not accepted                      (Article no longer available)                      NOT = once not accepted                      YES = no change</p> <hr/> <p><u>Only for OSTRPT:</u>                      OCC = cancellation request confirmed                      Cancellation request of the customer confirmed                      OCN = cancellation is no longer possible                      Cancellation no longer possible                      OCO = collection order received                      Pick up order received                      ODW = order delivered                      Delivery carried out (customer has received signed)                      OFW = order forwarded                      Goods handed over to transport service provider                      ONA = cancellation by supplier, item not available                      Cancellation by supplier, item not available                      OND = cancellation by supplier, no subsequent delivery                      Cancellation by supplier, none Subsequent delivery                      OOR = order received                      Order has been received                      ORN = return delivery check FAIL                      Returns check not passed                      ORY = return delivery check OK                      Returns test passed                      RRC = return delivery received, customer wishes Credit for return                      Return delivery has been received, Customer wishes credit note for return                      RRD = return delivery received, customer wishes replacement delivery                      Return delivery has been received, Customer wishes replacement delivery</p>		LIN

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
gtin	ch	15	•	•	•	•	•	•	GTIN, the former EAN (can only be omitted in exceptional cases and after consultation; then, however, <suppliers_article_number> or <customers_article_number> must be present.	4035377001005	LIN
suppliers_article_number	ch	35		•	•	•		•	Supplier article number	BYIS-0362	PIA
customers_article_number	ch	35		→	→	→		→	Customer's article number (mandatory if requested by the customer)	456XXL	PIA
substitute_number	ch	35		→	→	→		→	Replacement item number (if available)		PIA
promotion_number	ch	35		→	→	→		→	Number of the promotion variant of the article or number of the promotion (if available)		PIA
<b>Flags</b>											
invoicing_unit_indicator	b			•	•	•		•	Item is an invoicing unit?	true	IMD+IN
consumer_unit_indicator	b			•	•	•		•	Article is a consumer unit?	true	IMD+CU
display_indicator	b			•	•	•		•	Article is a display?	false	IMD+SG
returnables_indicator	b			•	•	•		•	Item is an empties?	false	IMD+RC
variable_measure_indicator	b			•	•	•		•	Article is variable in quantity? (e.g. packaged meat where each pack has a different weight and therefore a different unit price).	false	
danger_indicator	b				→			→	Shipment item is a dangerous good? (mandatory if dangerous goods are present)	false	
change_key	b		→	→	→	→		→	(Technical) design changed? Mandatory for VDA	false	
<b>Quantities</b>											
quantity_ordered	n.3	15		•	•	•			Quantity ordered	125	QTY+21
quantity_unit_order	ch	3		•	•	•			see table "Units of measure" in the appendix	PCE	QTY+21

Tag name	Type	Max	Mandatory status when sending					Description	Sample content	EDIFACT position and qualifier (example)	
			ALL	ORDRSP	DESADV	INVOIC	IF*				PRICAT
quantity_delivered	n.3	15		→	●	●			Delivery quantity (can also refer to the <i>future</i> , e.g. in an ORDRSP). It differs from <quantity_invoiced> when different units of measure are used. <u>Example 1:</u> 0.365 kg (KGM) of ham is delivered, but it is invoiced as 1 piece (PCE) at a price of 4.65 euros. <u>Example 2:</u> 3 panels (pieces, i.e. PCE) of 1.5 m each were delivered, but 4.5 m (MTR) were invoiced at a price per metre of 0.85 euros, i.e. 4.5 * 0.85 = 3.83 euros.	125	QTY+46
quantity_unit_delivered	ch	3		→	●	●			see table "Units of measure" in the appendix	PCE	QTY+46
quantity_invoiced	n.3	15		→		●			Invoice quantity (can also refer to the <i>future</i> , e.g. in an ORDRSP). It differs from <quantity_delivered> when different units of measure are used. <u>Example 1:</u> 0.365 kg (KGM) of ham is delivered, but it is invoiced as 1 piece (PCE) at a price of 4.65 euros. <u>Example 2:</u> 3 panels (pieces, i.e. PCE) of 1.5 m each were delivered, but 4.5 m (MTR) were invoiced at a price per metre of 0.85 euros, i.e. 4.5 * 0.85 = 3.83 euros.	125	QTY+47
quantity_unit_invoiced	ch	3		→		●			see table "Units of measure" in the appendix	PCE	QTY+47
quantity_no_charge	n.3	15		→	→	→			Quantity without calculation (discount in kind; compulsory, if available)		QTY+192
quantity_unit_no_charge	ch	3		→	→	→			see table "Units of measure" in the appendix	PCE	QTY+192
quantity_outstanding	n.3	15		→	→	→			Outstanding quantity (still to be delivered / open; obligation if requested by the customer)		QTY
quantity_unit_outstanding	ch	3		→	→	→			see table "Units of measure" in the appendix	PCE	QTY
quantity_last_delivered	n.3	15			→				Quantity of the last goods receipt (mandatory in VDA)		QTY



Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
quantity_unit_last_delivered	ch	3			→				see table "Units of measure" in the appendix	PCE	QTY
quantity_receipts_cumulated	n.3	15			→				Quantity of all goods received so far cumulated (mandatory in VDA; period starts with quantity_receipts_cumulated_date_start)		QTY
quantity_unit_receipts_cumulated	ch	3			→				see table "Units of measure" in the appendix	PCE	QTY
quantity_receipts_cumulated_date_start	d				→				Start date for quantity_receipts_cumulated		DTM
consumer_units_in_trading_unit	n.3	15	→	→	→	→	→	→	Number of consumer units in a trading unit (pure info field, e.g. for "6 beers in a six-pack"); compulsory if requested by customer	6	QTY+59
quantity_unit_consumer	ch	3	→	→	→	→	→	→	see table "Units of measure" in the appendix	PCE	QTY+59
quantity_least	n.3	15						•	Minimum order quantity (compulsory for PRICAT)	1	QTY
quantity_least_unit	ch	3						•	see table "Units of measure" in the appendix	PCE	QTY
quantity_report	n.3	15	→	→	→	→	→	→	Report quantity; mandatory for SLSRPT and INVRPT; Note qualifier in <stock_movement_type>!	1	QTY+XXX
quantity_report_unit	ch	3	→	→	→	→	→	→	see table "Units of measure" in the appendix	PCE	QTY+XXX

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
stock_movement_type	ch		→	→	→	→	→	→	Booking type (mandatory for SLSRPT and INVRPT): AB = Sale AE = quantity of open urgent calls AR = Order backlog at the supplier (open deliveries) AT = quantity of forward calls BV = Stock correction FT = quantity branch exchange FV = freely available stock GM = Customer return (direct debit supplier) GU = Turnover (credit note to supplier) GZ = grip zone stock ID = inventory difference (can be negative) IN = Inventory NR = Discount in kind Disposal QL = quantity retained until Quality inspection RE = Return quantity/return supplier RL = Quantity returned to stock TE = end-of-day stock (current stock level) VB = Consumption VS = insurance loss WE = goods receipt WK = goods receipt correction (can be negative) ----- Special qualifiers that do not indicate booking quantities but status changes: AZ = action indicator (quantity_report = 1) DZ = Disposition indicator (quantity_report = 1 for "disposable", quantity_report = 0 for "blocked") RI = range in days		

Price quotations, monetary amounts and taxes												
pricing_unit	n.0	15			●		●		●	Price unit / price base quantity, i.e. the quantity for which the specified price applies, e.g. 1, 10, 100 or 1000.	1	PRI
price_gross_no_tax	n.4	15			●		●		●	Gross price per price unit, i.e. before taking discounts into account (without VAT).	0.5	PRI+AAB
price_net_no_tax	n.4	15			●		●			Net price per price unit, i.e. after deduction of item discounts (without VAT); can be identical with "price_gross_no_tax".	0.4	PRI+AAA
price_retail	n.4	15	→	→	→	→	→	→	→	Shop selling price (recommended; compulsory if requested by the client, which is often the case with PRICAT); not included in any calculation.	1.2	PRI+AAE
price_consumer_unit	n.4	15	→	→	→	→	→	→	→	Additional information in case the article contains several consumer units (obligatory if requested by the customer); not included in any calculation	0.2	PRI+AAF
line_amount_gross_no_tax	n.2	15			●	●	●			Gross item amount (without VAT) = quantity_ordered * price_gross_no_tax at ORDRSP; = quantity_delivered * price_gross_no_tax at DESADV; = quantity_invoiced * price_gross_no_tax at INVOIC	62.5	MOA+66
line_sum_allowances_charges	n.2	15	→	→	→	→	→	→	→	Total of all item-level discounts from subsequent group "allowances_charges"; the amount is to be shown with a minus sign; mandatory if group "allowances_charges" is available.	-12.5	MOA+131
line_amount_net_no_tax	n.2	15	→	→	→	→	→	→	→	Net item amount (without VAT) = line_amount_gross_no_tax + line_sum_allowances_charges; Mandatory if "price_net_no_tax" is filled	50	MOA+203
vat_rate	n.2	5					●		●	VAT rate	7	TAX
vat_free	b						●		●	Article exempt from VAT?	false	TAX
vat_amount	n.2	15	x	x	x	x	x	x	x	Tax amount of this item (calculating the tax amount for each individual item is problematic because it can lead to large rounding differences overall; nevertheless, there are recipients who want this to be done).		TAX/MOA
Item properties												
item_description_short	ch	35	x	x	x	x	x	x	x	Article description short form	CANDY SAGE O. SUGAR	
item_description	ch	512	●	●	●	●	●	●	●	Unique item description (a maximum of as many characters as the recipient accepts will be transmitted).	CANDY SAGE WITHOUT SUGAR	IMD+A
best_before_date	d				→	→			→	Best before date (mandatory if there is one for this item and it is not transferred in the <line_serials> group)	2022-01-05	DTM+361
best_before_days	n.0	15			→	→			→	Minimum durability in days (Mandatory, if there is one for this article and it is not transferred to the <line_serials> group)	365	DTM+361

goods_class	ch	35	x	x	x	x	x	x	Product group, e.g. according to GS1 classification or in plain text (after consultation with the customer).		
item_colour	ch	35	→	→	→	→	→	→	Item colour: can be requested by the recipient		IMD+B
item_colour_code	ch	35	x	x	x	x	x	x	Colour code		
item_size	ch	35	→	→	→	→	→	→	Item size: can be requested by the recipient		IMD+B
change_number	ch	35	x	x	x	x	x	x	Change status (release) of the article		
item_width	n.0	15	x	x	x	x	x	x	Article width in mm		MEA+PD
item_length	n.0	15	x	x	x	x	x	x	Article length in mm		MEA+PD
item_height	n.0	15	x	x	x	x	x	x	Article height in mm		MEA+PD
item_weight_big	n.3	15	x	x	x	x	X	x	Gross item weight (i.e. incl. tare) in kg		MEA+PD
item_weight_net	n.3	15	x	x	x	x	X	x	Net item weight in kg		MEA+PD
total_weight_big	n.3	15			●		●	●	Total gross weight in kg = item_weight_gross * quantity_delivered		MEA+PD
total_weight_net	n.3	15			→		→	→	Total net weight in kg (mandatory if <item_weight_net> is present) = item_weight_net * quantity_delivered		MEA+PD
weee_id	ch	35	→	→	→	→	→	→	WEEE number = take-back of electronic waste; mandatory for electronic products (as of version 2.1, the <certificates> group is available for this purpose)	DE87654321	RFF+XA
bio_id	ch	35	→	→	→	→	→	→	Number of the organic inspection body; mandatory for organic products (As of version 2.1, the <certificates> group is available for this purpose)	IT-BIO-001	RFF+XC1
<b>Customs information</b>											
customs_tariff_number	ch	35	→	→	→	→	→	→	Customs tariff number (mandatory if requested by the customer)		PIA
origin_country	ch	3	→	→	→	→	→	→	Country of origin of the article, ISO code (mandatory if requested by the customer)		ALI
preferential_status	ch	3	x	x	x	x	x	x	Preferential status (VDA; for import from countries with special customs agreements): CH = Switzerland F = Finland G = EU; entitled to preferences with all Countries with origin agreements N = Norway O = Austria S = Sweden W = EC; eligible for preference in Trade in goods with the EFTA States		
dutiable_goods	b		x	x	x	x	x	x	Customs goods? (= goods must be cleared through customs?)		
<b>Delivery date of the item (overrides the information in the &lt;document&gt; group)</b>											

delivery_date_type	ch	3	x	x	x	x	x	x	Type of required delivery date (for VDA handover date to forwarding agent): F = fixed delivery date L = latest delivery date P = pickup date	F	
delivery_date	d		x	x	x	x	x	x	Required delivery date		DTM+2
delivery_time	t		x	x	x	x	x	x	Required delivery time		DTM+2
delivery_date_earliest	d		x	x	x	x	x	x	Earliest requested delivery date (to specify a time span in conjunction with delivery_date_type "L")		DTM+64
delivery_time_earliest	t		x	x	x	x	x	x	Earliest desired delivery time (to specify a time span in conjunction with delivery_date_type "L")		DTM+64
delivered_date	d			•	•	•			Actual (or as actually expected) delivery date.	2021-02-04	DTM+35
<b>Further information on the delivery schedule (only for VDA)</b>											
delivery_period	ch	8	x	x	x	x	x	x	Delivery period in calendar weeks or months: KW 1 / 2010 = "10KW0100" KW 1-2 / 2010 = "10KW0102" May 2010 = "10MM0500" May-June 2010 = "10MM0506"		
schedule_state	ch	3	x	x	x	x	x	x	Scheduling agreement / delivery schedule status: R = Residue 1 = immediately 2 = released 3 = planned 4 = Preview		
frequency	ch	3	x	x	x	x	x	x	Call-off and delivery frequency: 1 = daily 2 = weekly 3 = monthly 4 = Number of weeks		
weeks	n.0	3	x	x	x	x	x	x	Number of weeks (only if Frequency = "4")		
stock_state	b		x	x	x	x	x	x	Stock freely available? (i.e. not locked)		
usage_key	ch	3	x	x	x	x	x	x	Usage key: E = Replacement general M = master sample P = Pilot S = Series general U = Series and replacement V = Test X = Other Y = pattern Z = additional demand		
place_of_discharge	ch	35	x	x	x	x	x	x	Unloading point		LOC
storage_location	ch	35	x	x	x	x	x	x	Storage location		LOC
premise	ch	35	x	x	x	x	x	x	Point of use		LOC
<b>Gross amounts for payment advices (REMADV)</b>											

line_amount_gross_with_tax	n.2	15	x	x	x	x	x	x	Amount due/invoice amount (=gross amount including VAT)		MOA
line_sum_allowances_with_tax	n.2	15	x	x	x	x	x	x	Correction amount (=sum of all deductions including VAT)		MOA
line_amount_net_with_tax	n.2	15	x	x	x	x	x	x	Amount advised/paid for this voucher (=corrected amount including VAT)		MOA
<b>Logistics</b>											
consignment_id	Ch	35						•	Consignment ID for linking the consignment item with the consignment.		
loading_exchange	b								Pallet / loading equipment exchange		
loading_meters	n.3	15						• →	Total loading meter for this position; compulsory for logistics if no bulk material		
loading_cubemeters	n.3	15						• →	Total volume for this item in cubic metres; mandatory for logistics if bulk goods		
stack_factor	n.0	15						•	Stacking factor for this position, e.g.: 1 = not stackable 2 = double stackable 3 = triple stackable etc. (maximum 9)		

.....<line\_items><line\_item> <certificates>< certificate>

In this group, certificates can be specified that refer to the item.

The group is structurally identical to <transmission><partners><partner> <certificates>< certificate>.

..... <line\_items><line\_item><allowances\_charges><allowance\_charge>

This group is to be transmitted once for each deduction (referred to as "deduction reason" in the case of REMADV/payment advice) and for each surcharge (e.g. freight).

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
allowance_or_charge	ch	3	•	•	•	•	•	•	"A" = allowance / discount "C" = charge / surcharge	A	ALC
calculation_level	n.0	1	•	•	•	•	•	•	Costing level (1,2,3,...,9). Example: 10% discount, 3 x in a row: <u>a) Chain discounts (always from residual value)</u> Amount100 ,00 Residual value90 .00calculation level = 1 Residual value81 .00calculation level = 2 Residual value72 .90calculation level = 3 <u>b) Basic discount (always from the starting value)</u> Amount100 ,00 Residual value90 .00calculation level = 1 Residual value80 .00calculation level = 1 Residual value70 .00calculation level = 1	1	ALC
ac_type_code	ch	3	•	•	•	•	•	•	<u>Markdowns:</u> DI = deduction (discount) EAB = Cash discount (only Edeka, by arrangement) <u>Deductions (reasons for deduction) for REMADV:</u> 1 = REGULATION / FINANCIAL CONDITION 7 = PAYMENT ON ACCOUNT 8 = REUSABLE PACKAGING 17 = TRANSPORT DAMAGE 19 = TRADE DISCOUNT (GOODS CONDITION) 21 = ADVERTISING COSTS 23 = PROVISION 38 = BONUS (Markant: "Mietglieds-hsI") 40 = FREIGHT COSTS 67 = DELKREDERE	DI	ALC

									68 = SKONTO 71 = SHELF REFILLING SERVICE 73 = TAX RATE DIFFERENCE 15E = SERVICE CONDITION 16E = PAYMENT CONDITION 36E = SHELF REFILLING SERVICE 37E = EXTRAORDINARY ADVERTISING SERVICE 38E = TAX RATE DIFFERENCE <u>Surcharges:</u> EXP = Express Surcharge (Express Surcharge) FC = Freight charges FUE = Diesel Surcharge (Fuel Surcharge) GBX = Gibo change fee (exchange fee) HDF = Stock turnover (handling fee) IN = Insurance MC = Material surcharge PC = Packaging SH = Special handling services TOL = Toll (Toll) WT = Waiting Time		
ac_type_description	ch	35	•	•	•	•	•	•	Designation of the addition/deduction or reason for deduction	Action discount	ALC
percentage	n.2	5	→	→	→	→	→	→	Percentage (mandatory for percentage increase/decrease)	20	PCD
amount	n.2	15	•	•	•	•	•	•	Discount amount	12.5	MOA+8
base_amount	n.2	15	•	•	•	•	•	•	Base amount (from which the surcharge/discount is calculated)	62.50	MOA+25
quantity	n.3	15	x	x	x	x	x	x	Quantity (compulsory in case of quantity discount); always related to the <quantity_unit>; only occurs at <line_item> level		QTY
quantity_unit	ch	3	x	x	x	x	x	x	see table "Units of measure" in the appendix		QTY
vat_rate	n.2	5	→	→	→	→	→	→	VAT rate of the surcharge (is mandatory for certain surcharges, e.g. 19% for freight costs).		TAX
vat_free	b		→	→	→	→	→	→	Is this surcharge exempt from VAT? (Mandatory field if vat_rate is available)		TAX
currency	ch	3						•	Logistics: In international goods traffic, freight costs in different currencies can occur on a route.		CUX

..... <line\_items><line\_item><partners><partner>

This optional group provides partner information at item level.  
 It is structurally identical to <transmission><documents><document><partners><partner>.



..... <line\_items><line\_item><reference\_documents><reference\_document>

This optional group references other documents at item level.  
It is structurally identical to <transmission><documents><reference\_documents><reference\_document>.

..... <line\_items><line\_item><line\_serials><line\_serial>

This optional group allows serial and/or batch numbers to be entered for the item positions.

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
serial_type	ch	1	•	•	•	•	•	•	S = Serial number L = Charge (lot)	S	
serial	ch	35	•	•	•	•	•	•	Serial or batch number	192168001-ABC	GIN
quantity_delivered	n.3	15	•	•	•	•	•	•	Delivered quantity, related to the specified serial (The total quantity delivered may be divided among several serial or batch number must be distributed)	1	QTY+46
pack_id	ch	35	→	→	→	→	→	→	Document-unique packaging ID from <package> (mandatory if the <packages> group is present).	4388581000	
best_before_date	d		→	→	→	→	→	→	Best before date (mandatory, if there is one for this item)	2024-12-17	DTM+361
best_before_days	n.0	15	→	→	→	→	→	→	Minimum durability in days (mandatory, if there is one for this article)	90	DTM+361

..... <line\_items><line\_item><free\_texts><free\_text>

In this optional group, free texts can be transmitted. This is partly required by the trade, but from an EDI point of view it is nonsense.  
It is structurally identical to <transmission><documents><free\_texts><free\_text>.



..... &lt; packages&gt;&lt; package&gt;

This group is used for despatch advices (DESADV) with NVE and for logistics (IF\*). All information about packaging and load carriers is entered here. The assignment to the item positions is mandatory further down in the group <packages\_lineitems>.

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
pack_counter	n.0	6	•	•	•	•	•	•	Consecutive and unique counter of the dispatch unit	1	CPS
pack_counter_ref	n.0	6	•	•	•	•	•	•	Reference to the counter of a previous shipping unit. This indicates, for example, that a particular shipping unit refers to a particular (previously described) pallet	0	CPS
pack_id	ch	35	•	•	•	•	•	•	Document-unique package ID from <package>; may only occur 1 x within the <document> group. Special case: If <pack_type_coded> = "HIL", then "auxiliary packing material" can be entered here as a dummy value	4388581000	GIN+BJ
pack_id_last	ch	35	x	x	x	x	x	x	Last package ID (in case several packages with consecutive numbering are transmitted in one "set"; only permitted with VDA; the pack_id then serves as the "first package ID").		
number_of_pack_ids	n.0	15	•	•	•	•	•	•	Control total: a) for automotive: <pack_id_last> - <pack_id>; if <pack_id> = "Auxiliary packing material", the number of auxiliary packing materials in the main packing material (e.g. box pallet) is entered here. b) in all other cases always value "1"	1	
pack_id_type	ch	3	•	•	•	•	•	•	Type of packaging ID (numbering system): SSC = serial shipment container code / Shipping unit number IND = individual number	SSC	PAC
gtin_package	ch	35	x	x	x	x	x	x	GTIN (formerly EAN) of the packaging material		
pack_number_buyer	ch	35	→	→	→	→	→	→	Part number (article number) of the packaging material, assigned by the customer (mandatory for automotive as VDA packaging material number).	0003PAL	
pack_number_supplier	ch	35	x	x	x	x	x	x	Part number (article number) of the packaging material, assigned by the supplier.		
pack_type_description	ch	35	x	x	x	x	x	x	Designation of the packaging		

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
pack_type_coded	ch	3	•	•	•	•	•	•	Type of packaging: CTN = carton / package GLT = Large load carrier HIL = auxiliary packaging material KLT = small load carrier LAY = layer / layer PA0 = Standard pallet ISO 2 PA2 = 1/2 Euro pallet PA4 = 1/4 Euro pallet PA8 = 1/8 Euro pallet PAL = Standard pallet ISO 1 (= 1/1 Euro pallet) SKE = skeleton container / cage box ZZZ = other / miscellaneous	PAL	PAC
number_of_layers	n.0	6		→	→				Number of layers on the current pallet (only for type PAL)	2	PAC
number_of_pack_pieces	n.0	6		→	→				Number of packages (collis) on the current pallet or layer (only for types PAL and LAY; but mandatory for these)	128	PAC
label_qualifier	ch	3	→	→	→	→	→	→	Especially for automotive: G = Mixed package (with sub- and different packaging materials. Part numbers) M = Master label (with sub-packages and same part numbers) S = Single label (1 package) empty = auxiliary packaging	S	
pack_returnable_indicator	b		•	•	•	•	•	•	Reusable packaging or pallet?	true	
pack_only_full_indicator	b		→	→	→	→	→	→	Only full packaging allowed? (only for VDA)		
fragile_indicator	b				→		→	→	Contains fragile goods? (mandatory if fragile goods are transported)	false	
barcode_indicator	b		x	x	x	x	x	x	Bar-coded packaging?	true	
weight_gross	n.3	15	x	x	x	x	x	x	Gross weight in kg (mandatory for IFTMIN)	855	
weight_net	n.3	15	x	x	x	x	x	x	Net weight in kg	842	
width	n.0	15	x	x	x	x	x	x	Width in mm	800	
length	n.0	15	x	x	x	x	x	x	Length in mm	1000	
height	n.0	15	x	x	x	x	x	x	Height in mm	1280	
cover_indicator	b		x	x	x	x	x	x	Does the package have a lid?	False	
cover_type	ch	35	x	x	x	x	x	x	Cover type		

..... < packages\_lineitems>< package\_lineitem>

This group provides the link between the <line\_items> and the <packages>. If the <packages> group is present, <package\_lineitems> must also be present and fully describe the relationship of the packages to the lineitems. By repeating the group, any number of <line\_items> can be assigned to each <package> and vice versa.

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
pack_id	ch	35	•	•	•	•	•	•	Package ID from <package>	4388581000	
line_item_number	n.0	6	•	•	•	•	•	•	Position number (line number) from < line_item>	1	
quantity_delivered	n.3	15	•	•	•	•	•	•	Delivered quantity, related to the specified pack_id (the total delivered quantity can be distributed over several packages).	25	

..... <dangerous\_goods><dangerous\_good>

This group is mandatory when transporting dangerous goods.

Dangerous goods information always refers either to a consignment item (article item) or to a load carrier.

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
pack_id	ch	35	→	→	→	→	→	→	Package ID for linking directly to a load carrier or to a consignment item.		
line_item_number	n.0	6	→	→	→	→	→	→	line_item_number for the link to an item.  Either pack_id or line_item_number must be specified.		
substance_name	ch	512	•	•	•	•	•	•	Hazardous substance name		
un_number	ch	4	•	•	•	•	•	•	UN number/stuff number (determined by an expert committee of the United Nations; always four digits)		
hazardous_class	ch	3	•	•	•	•	•	•	ADR dangerous goods class (main hazard) 1 = Explosive substances and articles 2 = Gases (flammable, oxidising, toxic, corrosive) 3 = Flammable liquids (slightly flammable, highly flammable) 4.1 = Flammable solids, self-reactive substances and desensitised explosives). 4.2 = Self-igniting substances 4.3 = Substances which, in contact with water, emit dangerous gases. 5.1 = Fire-initiating substances 5.2 = Organic peroxides (oxidising) 6.1 = Toxic substances 6.2 = Infectious substances 7 = Radioactive substances 8 = Corrosive substances 9 = Other dangerous substances		
hazardous_subclass 1	ch	3							Hazard label pattern (subsidiary risk 1); possible codes see hazardous_class		
hazardous_subclass 2	ch	3							Hazard label pattern (subsidiary risk 2); possible codes see hazardous_class		

hazardous_subclass_3	ch	3							Hazard label pattern (subsidiary risk 3); possible codes see hazardous_class		
classification_code	ch	35							ADR code stanben	ET+N	
transport_category	ch	3							Transport category: 0, 1, 2, 3 or 4		
tunnel_restriction_code	ch	35	→	→	→	→	→	→	Tunnel restriction code (mandatory if is_limited_quantity = false)	C5000D	
packing_group	ch		•	•	•	•	•	•	Packing group. 1 = Substances with high hazard 2 = Substances with medium danger 3 = Substances with low hazard		
number_of_packages	n.0	15	•	•	•	•	•	•	Number of packages containing this dangerous good		
weight_gross	n.3	15	•	•	•	•	•	•	Gross weight in kg		
package_description	ch	512	•	•	•	•	•	•	Description of the load carrier		
multiplier	n.0	15	→	→	→	→	→	→	Multiplier		
is_limited_quantity	b		•	•	•	•	•	•	Marking Limited Quantity (LQ) true/false		
is_excepted_quantity	b								Marking exempted quantity (EQ) true/false		
excepted_quantity	n.3	15	→	→	→	→	→	→	Exempted quantity (EQ) in kg or litres. Is mandatory if "is_excepted_quantity" = true		
quantity_unit	ch		→	→	→	→	→	→	Unit of measure for <excepted_quantity>. Is mandatory if "excepted_quantity" is present. Here, only KGM or LTR is allowed as the unit of measure.		

=== End of item positions and packaging - now comes the footer ===

..... <allowances\_charges><allowance\_charge>

This group is to be transmitted once for each budget billing and for each surcharge (e.g. freight). Their structure is identical to .....<line\_items><line\_item><allowances\_charges><allowance\_charge>.

..... <document\_taxes>< document\_tax>

This group is used in documents with VAT information (mostly invoices and credit notes) and occurs once per VAT rate. It is generally omitted for documents that are marked <vat\_free>=true in the document header (<document>).

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
vat_rate	n.2	5	●	●	●	●	●	●	VAT rate	1	TAX
amount_sum_lines	n.2	15	●	●	●	●	●	●	Total item amount (sum of all <line_items>) net for the VAT rate specified in vat_rate	100	MOA+79
amount_allowances_charges	n.2	15	→	→	→	→	→	→	Sum of all additions and deductions at document level for the VAT rate specified in vat_rate; mandatory if additions/deductions at document level are specified.	0	MOA+131
amount_taxable	n.2	15	●	●	●	●	●	●	Taxable amount for the VAT rate specified in vat_rate = <amount_sum_lines> + < amount_allowances_charges> (Mandatory if <allowances_charges> exist at document level; otherwise omit)	100	MOA+125
amount_taxes	n.2	15	●	●	●	●	●	●	VAT amount for the VAT rate specified in vat_rate = <amount_taxable> * <vat_rate> / 100	7	MOA+124



## &lt;transmission&gt;&lt;documents&gt;&lt; document&gt; (continued / footer)

These additional fields to the document group occur once per document. They are usually only used for the transmission of invoices and credit notes (message\_type = INVOIC) and IFTMIN.

Tag name	Type	Max	Mandatory status when sending					Description	Sample content	EDIFACT position and qualifier (example)	
			ALL	ORDRSP	DESADV	INVOIC	IF*				PRICAT
amount_sum_lines	n.2	15				•	•		Total position amount net = <line_amount_net_no_tax> summed up from <line_item>.	100	MOA+79
amount_allowances_charges	n.2	15	→			→	→		Sum of all surcharges and deductions at document level; results from <i>amount</i> in connection with <b>allowance_or_charge</b> ; the amount is to be calculated with the correct sign: Allowances minus deductions; for REMADV: correction amount. (Mandatory if <allowances_charges> exist at document level; otherwise omit)	0	MOA+131
amount_taxable	n.2	15				•	•		Taxable amount ("net")	100	MOA+125
amount_taxes	n.2	15				•	•		Sum of all taxes	7	MOA+124
amount_total	n.2	15				•	•		Invoice amount incl. VAT ("gross") = amount_taxable + amount_taxes; for REMADV: original amount	107	MOA+77
amount_to_pay	n.2	15				•	•		Payment amount (possibly deviating from amount_total)	107	MOA+86
amount_to_pay_currency	n.2	15				→	→		Second currency payment amount according to currency_exchange_rate (if a so-called target currency was specified in currency_target).		

## &lt;transmission&gt;&lt;transmission\_taxes&gt;&lt;transmission\_tax&gt;

This group occurs once per VAT rate in each file, provided the file contains several VAT rates (usually only for invoices / credit notes; message\_type = INVOIC).

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
amount_taxable	n.2	15	•	•	•	•	•	•	Taxable amount for this tax rate	181	MOA+125
vat_rate	n.2	5	•	•	•	•	•	•	VAT rate	7	TAX
amount_taxes	n.2	15	•	•	•	•	•	•	VAT amount for the specified VAT rate	12.67	MOA+124
amount_total	n.2	15	•	•	•	•	•	•	Gross amount of the invoice list for the specified VAT rate = <amount_taxable> + <amount_taxes>.	193.67	MOA+77

< transmission> (continued / foot part)

These additional fields for the transmission group occur once per file. They must be used for the transmission of invoices and credit notes (INVOIC) and payment advices (REMAADV). Colloquially, these fields correspond to the "invoice list".

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
collective_invoice_number	ch	35				•			Invoice list number and date for INVOIC files; to be incremented separately per EDI partner (i.e. one number per INVOIC file). TIP: In contrast, the transmission_number in the header is a global counter, independent of the respective data recipient.	45	BGM+393
collective_invoice_date	d					•				2021-02-23	DTM+137
contract_number	ch	35					→		Agreement number (contract, agreement). Mandatory, if requested by the recipient; corresponds in the <reference_document> to <reference_type_coded>=CT	1	RFF+CT
recipient_indicator	ch	3				•			Function of the invoice list recipient (payer): BY = buyer / purchaser (customer) CPE = central regulator (service provider)	CPE	
recipient_gln	ch	35				•			ID (usually GLN) of the invoice list recipient	5450534000000	NAD
sender_gln	ch	35				•			ID (usually GLN) of the supplier (invoicing party)	4035377000007	NAD+SU
sender_id_additional	ch	35					x		Additional identification of the supplier (supplier number in the customer system)	EDICENTER	RFF+YC1 RFF+API
payer_gln	ch	35				•			ID (mostly GLN) of the payer; usually like <recipient_gln>.	5450534000000	NAD+PR
payee_gln	ch	35				•			ID (usually GLN) of the payee; usually like <sender_gln>	4035377000007	NAD+PE
vat_rate	n.2	5				•			(Main) VAT rate of the entire file (invoice list)	19.00	TAX
vat_free	b					•			Complete file VAT exempt?	false	TAX
currency	ch	3					→		Currency (mandatory for documents with monetary amounts and/or prices)	EUR	CUX
currency_target	ch	3					→		Target currency		CUX
currency_exchange_rate	n.4	15					→		Conversion rate to target currency		CUX

Tag name	Type	Max	Mandatory status when sending						Description	Sample content	EDIFACT position and qualifier (example)
			ALL	ORDRSP	DESADV	INVOIC	IF*	PRICAT			
net_payment_term	d					→			The payment conditions are only to be handed over after consultation with the data recipient (customer)	2018-01-31	DTM
early_payment_date	d					→				2018-01-15	DTM
value_date	d					→				2017-12-31	DTM
amount_taxable	n.2	15				•			Taxable amount of the invoice list (file) with sign = sum over <amount_taxable> of all <document> = Sum over <amount_taxable> of all <transmission_tax>"	520	MOA+125
amount_taxes	n.2	15				•			Tax amount of the invoice list (file) with sign = sum over <amount_taxes> of all <document> = Sum over <amount_taxes> of all <transmission_tax>	77.08	MOA+124
amount_total	n.2	15				•			Total amount of the invoice list (file) with sign = <amount_taxable> + < amount_taxes> = sum of all <amount_total> of all <document> = Sum over <amount_total> of all <transmission_tax>	597.08	MOA+77
amount_to_pay	n.2	15				•			Payment amount (possibly deviating from amount_total)	597.08	MOA+86
amount_to_pay_currency	n.2	15				→			Second currency payment amount according to currency_exchange_rate (if a target currency was specified in currency_target).		

7 Quantity units ("`<quantity_unit...>`")

BND	Covenant
BOX	Box
CI	Canister
COI	Coil
CT	Carton / package
GRM	Gram
KGM	Kilogram
KIS	Box
LDG	Cargo
LTR	Litres
MTK	Square metre
MTQ	Cubic metres
MTR	Metre
NRL	Number of rolls
PA2	1/2 Euro pallet
PA4	1/4 euro pallet
PA8	1/8 Euro pallet
PAL	Standard pallet ISO 1 (= 1/1 Euro pallet)
PAX	Wooden pallet in general
<b>PCE</b>	<b>Piece (=default value)</b>
PK	Package/Colli
RA	Rack/frame
SET	Set
SIB	Sibox

## 8 Available transmission protocols

### to the EDI partners of our customers

- AS2
- AS4
- X.400
- OFTP via ISDN (until 31.12.2018)
- OFTP2
- (S)FTP
- Email (SMTP/POP3)
- eXite
- OpenText (GXS)
- Phoenix
- RAFE (REST API for EDI, a web service)
- Peppol
- ... and almost everything that is technically possible

### to our customers

Standard:	EDI-Connector-SFTP
By arrangement:	all mentioned under a) are possible

## 9 Contact details

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Gutenbergstr. 15  
86356 Neusäß

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Telephone support: 0821 24659-50  
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## 10 Change index / Versions

Since the release of version 2.0, we only list the changes since the last 1.x here.

15.09.2022Version 2.1.0

- **New group <certificates> inserted in two places**
- New field <item\_description\_short> in the group <line\_item>.
- New code in the <ac\_type\_code> tag: **MC**
- New field <document\_name> in the <documents> group
- New field <item\_colour\_code> in the group <line\_item>.
- New code in the <document\_type> tag: **RET**
- Documentation error corrected: for <quantity\_delivered>, <quantity\_unit\_delivered>, <quantity\_invoiced> and <quantity\_unit\_invoiced>. set an arrow in the column "ORDRSP".

23.06.2021Version 2.0.2

- New code in the <partner\_role\_coded> tag: **MF**
- New code in the <reference\_type\_coded> tag: **ACD**
- New codes in the <text\_type\_coded> tag: **EUS, FFW, TRT; VAT;** and field description revised
- Descriptions of <quantity\_delivered> and <quantity\_invoiced> extended

01.04.2021Version 2.0.2

- Column "Sample Content" adapted

01.01.2021Version 2.0.2

- New tag in group <document>: **<delivery\_type>**
- New codes in the <delivery\_type> tag: **STD, DIR CDO, DRS, PIC**
- New code in the <line\_state> tag: **DON**
- New code in the <document\_type> tag: **COI**
- New code in the <pack\_type\_coded> tag: **HIL**



25.02.2019

Version 2.0.1

- Error correction in the XSD file (patch)

01.01.2019Version

2.0.0

- New group tags:
  - <transport\_routes>
  - <consignments>
  - <appointments>
  - <dangerous\_goods>
- New tags in <document>:
  - <transport\_vehicle\_coded>.
  - <transport\_vehicle\_description>
  - <container\_number>
- New tags in <line\_item>
  - <consignment\_id>
  - <loading\_exchange>
  - <loading\_meters>
  - <stack\_factor>
- New tag in <allowances\_charge>.
  - <currency>
- New codes:
  - Quantity units (<quantity\_unit...> ): BND, CI, COI, GRM, KIS, LDG, PA2, PA4, PA8, PAL, PAX, PK, RA, SIB
  - <distance\_unit>: KTM, NMI
  - <freight\_terms\_iso>: DDU
  - <message\_type>: IFCSUM
  - <transport\_vehicle\_coded>: C20, C40, C45, PIC, TRL, TRM, TRS, SMT, ZZZ
  - <reference\_documents> : CBN, PRF, CCN