



BSI Standards Publication

Electronic invoicing

Part 3-4: Syntax binding for UN/EDIFACT INVOIC D16B

National foreword

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A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

Electronic invoicing - Part 3-4: Syntax binding for UN/EDIFACT INVOIC D16B

Facturation électronique - Partie 3-4 : Correspondance
syntaxique pour les factures - Schéma D16B
UN/EDIFACT

Elektronische Rechnungsstellung - Teil 3-4: Umsetzung
in die Syntax UN/EDIFACT INVOIC D16B

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (CEN/TS 16931-3-4:2017) has been prepared by Technical Committee CEN/TC 434 “Electronic invoicing”, the secretariat of which is held by NEN.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 2014/55/EU.

This document is part of a set of documents, consisting of:

- EN 16931-1:2017 Electronic invoicing - Part 1: Semantic data model of the core elements of an electronic invoice
- CEN/TS 16931-2:2017 Electronic invoicing - Part 2: List of syntaxes that comply with EN 16931-1
- CEN/TS 16931-3-1:2017 Electronic invoicing - Part 3 - 1: Methodology for syntax bindings of the core elements of an electronic invoice
- CEN/TS 16931-3-2:2017 Electronic invoicing - Part 3 - 2: Syntax binding for ISO/IEC 19845 (UBL 2.1) invoice and credit note
- CEN/TS 16931-3-3:2017 Electronic invoicing - Part 3 - 3: Syntax binding for UN/CEFACT XML Cross Industry Invoice D16B
- CEN/TS 16931-3-4:2017 Electronic invoicing - Part 3 - 4: Syntax binding for UN/EDIFACT INVOIC D16B
- CEN/TR 16931-4:2017 Electronic invoicing - Part 4: Guidelines on interoperability of electronic invoices at the transmission level
- CEN/TR 16931-5:2017 Electronic invoicing - Part 5: Guidelines on the use of sector or country extensions in conjunction with EN 16931-1, including a methodology to be applied in the real environment
- CEN/TR 16931-6:2017 Electronic invoicing - Part 6: Result of the test of the European standard with respect to its practical application for an end user - Testing methodology

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

The European Commission estimates that “The mass adoption of e-invoicing within the EU would lead to significant economic benefits and it is estimated that moving from paper to e-invoices will generate savings of around EUR 240 billion over a six-year period”¹. Based on this recognition “The Commission wants to see e-invoicing become the predominant method of invoicing by 2020 in Europe.”

As a means to achieve this goal, Directive 2014/55/EU [5] on electronic invoicing in public procurement aims at facilitating the use of electronic invoices by economic operators when supplying goods, works and services to the public administration (B2G), as well as the support for trading between economic operators themselves (B2B). In particular, it sets out the legal framework for the establishment and adoption of a European standard (EN) for the semantic data model of the core elements of an electronic invoice (EN 16931-1).

In line with Directive 2014/55/EU [5], and after publication of the reference to EN 16931-1 in the Official Journal of the European Union, all contracting public authorities and contracting entities in the EU will be obliged to receive and process an e-invoice as long as:

- it is in conformance with the semantic content as described in EN 16931:1;
- it is represented in any of the syntaxes identified in CEN/TS 16931-2, in accordance with the request referred to in paragraph 1 of article 3 of the Directive 2014/55/EU;
- it is in conformance with the appropriate mapping defined in the applicable subpart of CEN/TS 16931-3.

The semantic data model of the core elements of an electronic invoice – the core invoice model – as described in EN 16931-1 is based on the proposition that a limited, but sufficient set of information elements can be defined that supports generally applicable invoice-related functionalities.

This CEN Technical Specification CEN/TS 16931-3-4 defines the binding of the core elements of the invoice to the ISO/IEC 9735 syntax (UN/EDIFACT). Other subparts of this CEN Technical Specifications define the binding method (CEN/TS 16931-3-1) and map the core invoice model to other syntaxes such as ISO/IEC 19845 (UBL 2.1) (CEN/TS 16931-3-2) and the Cross Industry Invoice of UN/CEFACT XML (CEN/TS 16931-3-3).

By ensuring interoperability of electronic invoices, the European standard and its ancillary European standardization deliverables will serve to remove market barriers and obstacles to trade deriving from the existence of different national rules and standards – and thus contribute to the goals set by the European Commission

¹ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=COM:2010:0712:FIN:en:PDF>.

1 Scope

This CEN Technical Specification (TS) specifies the mapping between the semantic model of an electronic invoice, included in EN 16931-1 and the ISO/IEC 9735 (UN/EDIFACT) syntax. For each element in the semantic model (including sub-elements or supplementary components such as Identification scheme identifiers) it is defined which element in the syntax is to be used to contain its information contents. Any mismatches between semantics, format, cardinality or structure are indicated.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 9735, *Electronic data interchange for administration, commerce and transport (EDIFACT) – Application level syntax rules*

EN 16931-1, *Electronic invoicing - Semantic data model of the core elements of an electronic invoice*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

electronic invoice

invoice that has been issued, transmitted and received in a structured electronic format which allows for its automatic and electronic processing

[SOURCE: Directive 2014/55/EU [5]]

3.2

semantic data model

structured set of logically interrelated information elements

3.3

information element

semantic concept that can be defined independent of any particular representation in a syntax

3.4

syntax

the machine-readable language or dialect used to represent the information elements contained in an electronic document (e.g. an electronic invoice)

3.5

business term

the label assigned to a given information element which is used as a primary reference

3.6

core invoice model

semantic data model of the Core elements of an electronic invoice

3.7

core elements of an electronic invoice

set of essential information elements that an electronic invoice may contain in order to enable cross-border interoperability, including the necessary information to ensure legal compliance

3.8

identifier

character string used to establish the identity of, and distinguish uniquely, one instance of an object within an identification scheme from all other objects within the same scheme

Note 1 to entry: An identifier may be a word, number, letter, symbol, or any combination of those

3.9

identification scheme

collection of identifiers applicable for a given type of object governed under a common set of rules

4 Syntax binding to UN/EDIFACT

4.1 Introduction

UN/EDIFACT (ISO 9735) is a syntax for electronic data interchange for administration, commerce and transport. UN/EDIFACT constructs are character strings in which the content of data elements is separated by tags and delimiters. UN/EDIFACT has a hierarchical structure where the top level is referred to as an interchange, and lower levels contain multiple messages which consist of segments, which in turn consist of composites. The final iteration is an element which is derived from the United Nations Trade Data Element Directory (UNTDDED); these are normalized throughout the UN/EDIFACT standard².

The United Nations Economic Commission for Europe (UNECE), since the 1980s supported a number projects to enable trade based on electronic messaging – UN/CEFACT and specific Recommendations

In UN/CEFACT, standard messages using the UN/EDIFACT syntax (ISO 9735) were developed by various working groups across the globe to facilitate administration, commerce and transport. These messages mimicked standard paper documents used in everyday business transactions and were called United Nations Standard Message types (UNSMs). Today these UNSMs are the most widely used e-messages across the globe. UNSMs are built using the United Nations Trade Data Elements Directory (UNTDDED) with reusable elements, code sets, standard composites and segments which can be configured to meet the function of a particular message such as an Invoice.

In the IT UNECE Trade Facilitation process, formal guidance is provided by publishing Recommendations. These Recommendations cover a wide variety of topics but some are specific to electronic messaging.

For more information please refer to <http://www.unece.org/cefact/EDIFACT/welcome.html>

4.2 Data types

XML based syntaxes have explicit semantic meanings included in the naming of the element (e.g. DueDate) and associate a specific data type to it (e.g. xs:DateTime). UN/EDIFACT does it the other way around. Having a set of clearly defined data types (e.g DTM for any kind of date or time information) the semantic meaning is added through a qualifier. The information is then given in so called data elements. This allows implementers to easily implement type checks and then map the information to the

² See <http://www.unece.org/fileadmin/DAM/trade/untdid/texts/d423.htm>

corresponding semantic context: First it is checked, if in this case the given date string forms a valid date and secondly the date gets a context for instance to be the actual delivery date. Data elements can be logically grouped into so called composites. This allows to create a logic bracket for instance to define the type of date or time information.

To allow efficient automatic processing the semantic meaning is added by using standardized code lists. The following example illustrates this with the invoice issue date.

DTM+2:20161214:102'

Table 1 — The DTM segment for the invoice issue date

Type	Name	Description	Example	Meaning
Segment	DTM	To specify date, and/or time, or period.	DTM	
Composite	C507	DATE/TIME/PERIOD		
Data element	2005	Date or time or period function code qualifier	137	Issue date/time
Data element	2380	Date or time or period text	20161013	13th October 2016
Data element	2379	Date or time or period format code	102	Format = CCYYMMDD

The combination of a qualifier for the date or time type (DTM) together with the corresponding data elements is called segment. Segments can be grouped in order to form a semantic container for instance to define a party (e.g. buyer).

A group or segment can be mandatory (M) or conditional (C) and can be specified to repeat (cardinality). Like a text document an UN/EDIFACT message is structured into header, details and summary section.

In order to allow a computer to recognize the difference between an XML instance and another text file XML defines so called processing instructions. In addition the XML based standards being relevant for the EN 16931 add groups of elements that define the type of message and the context where it is used in. In order to be processed an XML file needs to be well-formed.

In order to have a consistent UN/EDIFACT file the same concept is applied to the UN/EDIFACT instance. So called service segments form the outer brackets of the information being present in an UN/EDIFACT instance. They define for instance the used version, character sets and ensure the consistency of the message itself.

The following table shows the basic segment structure of an UN/EDIFACT invoice message. Only those segments are shown, that are relevant for the mapping of the EN 16931.

Table 2 — UN/EDIFACT Invoice structure

Level	Name	Description	Cardinality	Example content
	Service segments for the start of the instance file			
+	UNA	Service string advice	1..1	Basic information on the syntax like separators
+	UNB	Interchange header	1..1	Character encoding used
	Header section			
+	UNH	Message header	1..1	Type of message, version

Level	Name	Description	Cardinality	Example content
+	BGM	Beginning of message	1..1	Type of invoice, language
+	DTM	Date/time/period	1..35	Invoice issue date
+	FTX	Free text	0..99	Free text applicable to the whole message in general like Invoice note
+	SG1	Segment group 1	0..99999	References
++	RFF	Reference	1..1	Previous invoice
++	DTM	Date/time/period	0..5	Date of previous invoice
+	SG2	Segment group 2	0..99	Parties
++	NAD	Name and address	1..1	Buyer name and address
++	FII	Financial institution information	0..5	Account number
++	SG3	Segment group 3	0..9999	Party specific references
+++	RFF	Reference	1..1	Buyer reference
++	SG5	Segment group 5	0..5	Contact information
+++	CTA	Contact information	0..1	Contact point
+++	COM	Communication contact	0..5	Telephone number
+	SG 7	Segment group 7	0..99	Currency information
++	CUX	Currencies	1..1	Invoice currency
+	SG8	Segment group 8	0..10	Payment terms and conditions
++	PYT	Payment terms	1..1	Payment means
++	DTM	Date/time/period	0..5	Payment due date
++	PAI	Payment instructions	0..1	Payment means code
+	SG16	Segment group 16	0..9999	Document allowance or charges
++	ALC	Allowance or charge	1..1	Allowance
++	SG19	Segment group 19	0..1	Percentage
+++	PCD	Percentage details	1..1	Allowance percentage
++	SG20	Segment group 20	0..2	Monetary amounts
+++	MOA	Monetary amount	1..1	Allowance amount
++	SG22	Segment group 22	0..5	Tax information
+++	TAX	Duty/tax/fee details	1..1	VAT rate
+	SG26	Segment group 26	0..99	External files
++	EFI	External file link identification	1..1	File name
++	COM	Communication contact	0..9	External document location
++	RFF	Reference	0..9	Supporting document reference
Detail section				
+	SG27	Segment group 27	0..9999999	Line item information

Level	Name	Description	Cardinality	Example content
++	LIN	Line item	1..1	Invoice line identifier
++	PIA	Additional product id	0..25	Item Seller's identifier
++	IMD	Item description	0..99	Item name
++	QTY	Quantity	0..5	Invoiced quantity
++	ALI	Additional information	0..5	Item country of origin
++	DTM	Date/time/period	0..35	Invoice line period start date
++	FTX	Free text	0..99	Invoice line note
++	SG28	Segment group 28	0..99	Product related monetary amounts
+++	MOA	Monetary amount	1..1	Invoice line net amount
++	SG30	Segment group 30	0..25	Price information
+++	PRI	Price details	1..1	Item net price
++	SG31	Segment group 31	0..10	Line item references
+++	RFF	Reference	1..1	Buyer accounting reference
++	SG35	Segment group 35	0..99	Tax information
+++	TAX	Duty/tax/fee details	1..1	VAT information
++	SG40	Segment group 40	0..30	Allowances and charges on line level
+++	ALC	Allowance or charge	1..1	Charge indicator
+++	SG42	Segment group 42	0..1	Percentage information
++++	PCD	Percentage details	1..1	Item charge percentage
+++	SG43	Segment group 43	0..2	Amount information
++++	MOA	Monetary amount	1..1	Charge amount
Summary section				
+	UNS	Section control	1..1	Separator for summary section
+	SG52	Segment group 52	1..100	Document totals
++	MOA	Monetary amount	1..1	Paid amount
+	SG54	Segment group 54	0..10	VAT breakdown
++	TAX	Duty/tax/fee details	1..1	VAT rate
++	MOA	Monetary amount	0..9	Tax amount
+	UNT	Message trailer	1..1	End of business document
Service segments for the end of the instance file				
+	SG56	Segment group 56	0..99	Attached binary information
++	UNO	Object header	1..1	Start of included object
++	UNP	Object trailer	1..1	End of included object
+	UNZ	Interchange trailer	1..1	End of instance file

This clear hierarchical structure of an UN/EDIFACT message allows to create a path expression, that looks similar to a XPath of XML based messages. It allows to clearly identify each individual data element with its semantic meaning in the corresponding segment or segment group. For example the path for the invoice issue date can be given as:

INVOIC.DTM[D_2005 = "137"].C507.2380

The path always starts with the root message type (in this case INVOIC). Then all segments, composites and data elements, traversed through in the hierarchy are given and separated by a point. As with XPath filter values can be given in square brackets. The example above can be read as "Give me the *Date or time or period text* defined in Data Element 2380 that is part of composite C507 in segment DTM of the INVOIC message, where the *Date or time or period function code qualifier* defined in Data Element 2005 is equal to the code 137 that defines the issue date or time."

4.3 Codes and identifiers

In order to keep UN/EDIFACT up to date to new user semantic requirements as well as impacts by legislation UN/CEFACT publishes new libraries containing updated code lists normally twice a year. The important point is that the underlying syntax itself (Syntax Version 3 or Syntax Version 4) is kept stable for many years to reduce system modifications to a minimum. Due to the underlying methodology to have fixed data types (segments and data elements) that are combined with codes to define the semantic meaning structural changes are reduced to a minimum. Thus an instance file is normally backwards-compatible. In practice many systems are implemented based on a directory version, for example D01B (second publication of the year 2001), while they use the newest code lists are used if needed (for instance for currencies, countries or languages.)

UN/EDIFACT uses mostly codelists maintained by UN/ECE. Every code is mapped in a specific data element. Although for some of the code lists (e.g. Currency) the code list number is defined by UN/ECE, the codes as well as their semantic meaning is identical to the corresponding ISO code list. Due to this situation all codes from the model can be used as defined. The codes that have the described special situation are listed below:

Table 3 — UN/EDIFACT codes

Semantic model	UN/EDIFACT UNTDID
BT-5	UNTDID 6345
BT-6	UNTDID 6345
BT-18-1	UNTDID 1153
BT-21	UNTDID 4451

In BT-157-1 the EN 16931 references the semantic values of ISO 6523. All values that correspond to the identification of an item are used in EDIFACT with UNTDID 7143. If the semantic codes of ISO 6523 should be used that are not intended to identify an item, it should be requested to add to UNTDID 7143.

4.4 Mapping the Invoice model

In the following table the semantic data model of the EN16931 is mapped to the corresponding paths of the UN/EDIFACT INVOIC message structure, as explained above. The cardinality column for the UN/EDIFACT syntax represents the cardinality as it is defined by UN/CEFACT to illustrate differences between the semantic data model and the respective syntax. The cardinality of the data model is taken into account by the corresponding validation artefacts.

The model is mapped to UN/CEFACT INVOIC D14B S4. Although most existing implementations of UN/EDIFACT are made using Syntax 3 (S3), some specific requirements of the semantic data model necessitate using Syntax 4 (S4) for easier and more effective implementation. As no special features of

S4, for example interactive EDI, are needed for implementing the semantic data model, the instances created using S4 will be compatible to S3 with the following differences:

- With the S4 version the service segments UNA, UNB and UNH have minor structural differences that specifically allow the use of UTF-8 for encoding. The usage of UTF-8 encoding brings the most possible interoperability in systems that need to implement all syntaxes from the short list. On the other hand S3 allows the usage of many different character sets based on ISO 8859 which is a subset of UTF-8 character set. If in cross border invoices local European languages are used the conversion from S3 to the receiving system needs some additional effort, although this is very common practice.
- S4 also allows the direct embedding of binary data (e.g. image files or PDF-files) with the usage of the UNO and UNP segments. With S3 it is common practice to put the UN/EDIFACT instance in an XML based Standard Business Document Header (SBDH), which is another standard from UN/ECE. This is for example done in the automotive industry³. S4 allows a One-Syntax-Only approach for this.

The implication of choosing S4 instead of S3 on existing implementations of UN/EDIFACT in respect to cost and effort are seen as minimal for the following reasons:

- The differences in the instance files of S3 and S4 for the data model are minor.
- As many organizations use service providers that generate or process the instance files and especially the service segments the implication on a users system by the choice of S4 are minor.
- Embedding of binary attachments is only relevant for specific business processes. If attachments are not embedded in the invoice process, the differences are even reduced.
- Upgrading an existing e-invoicing system to process the EN16931 for the first time will require effort due to the new structure, the new code definitions, and the European harmonization of business terms, which are not common or used in every single member state.

³ See <https://www.vda.de/en/services/Publications/4983-recommendation-on-the-transmission-of-attachments-and-signat.html>

Table 4 — Semantic model to UN/EDIFACT syntax elements mapping

ID	Level	Card.	BT	Desc.	DT	Path	Card.	Match	Rules
BT-1	1	1..1	Invoice number	A unique identification of the Invoice.	I	INVOIC.BGM.C106.1004	1..1		
BT-2	1	1..1	Invoice issue date	The date when the Invoice was issued.	D	INVOIC.DTM[D_2005 = "137"].C507.2380	1..1		
BT-3	1	1..1	Invoice type code	A code specifying the functional type of the Invoice.	C	INVOIC.BGM.C002.1001	1..1		
BT-5	1	1..1	Invoice currency code	The currency in which all Invoice amounts are given, except for the Total VAT amount in accounting currency.	C	INVOIC.SG7[D_6347 = "2"].CUX.C504.6345	1..1		Use UN code list 6345
BT-6	1	0..1	VAT accounting currency code	The currency used for VAT accounting and reporting purposes as accepted or required in the country of the Seller.	C	INVOIC.SG7[D_6347 = "6"].CUX.C504.6345	1..1		Use UN code list 6345

ID	Level	Card	BT	Desc.	LD	Path	Card.	Match	Rules
BT-7	1	0..1	Value added tax point date	The date when the VAT becomes accountable for the Seller and for the Buyer in so far as that date can be determined and differs from the date of issue of the invoice, according to the VAT directive...	D	INVOIC.DTM[D_2005 = "131"].C507.2380	1..1		
BT-8	1	0..1	Value added tax point date code	The code of the date when the VAT becomes accountable for the Seller and for the Buyer.	C	INVOIC.DTM[D_2005 = "3"OR D_2005 = "432"].C507.2005 D_2005 = "35"OR	1..1		
BT-9	1	0..1	Payment due date	The date when the payment is due.	D	INVOIC.SG8[D_4279 = "1"].DTM.C507.2380	1..1		
BT-10	1	0..1	Buyer reference	An identifier assigned by the Buyer used for internal routing purposes.	T	INVOIC.SG2[D_3035 = "BY"].SG3[D_1153 = "CR"].RFF.C506.1154	1..1		
BT-11	1	0..1	Project reference	The identification of the project the	O	INVOIC.SG1[D_1153 = "AEP"].RFF.C506.1154	1..1		

ID	Level	Card.	BT	Desc.	U	Path	Card.	Match	Rules
				invoice refers to.					
BT-12	1	0..1	Contract reference	The identification of a contract.	0	INVOIC.SG1[D_1153 = "CT"].RFF.C506.1154	1..1		
BT-13	1	0..1	Purchase order reference	An identifier of a referenced purchase order, issued by the Buyer.	0	INVOIC.SG1[D_1153 = "ON"].RFF.C506.1154	1..1		
BT-14	1	0..1	Sales order reference	An identifier of a referenced sales order, issued by the Seller.	0	INVOIC.SG1[D_1153 = "VN"].RFF.C506.1154	1..1		
BT-15	1	0..1	Receiving advice reference	An identifier of a referenced receiving advice.	0	INVOIC.SG1[D_1153 = "ALO"].RFF.C506.1154	1..1		
BT-16	1	0..1	Despatch advice reference	An identifier of a referenced despatch advice.	0	INVOIC.SG1[D_1153 = "AAK"].RFF.C506.1154	1..1		
BT-17	1	0..1	Tender or lot reference	The identification of the call for the tender or lot the invoice relates to.	0	INVOIC.SG1[D_1153 = "GC"].RFF.C506.1154	1..1		
BT-18	1	0..1	Invoiced object identifier	The identification of the call for the tender or lot the invoice relates to.	1	INVOIC.SG1[D_1153 = "ATS"].GIR.C206.7402	1..1		

ID	Level	Card.	BT	Desc.	D	Path	Card.	Match	Rules
				to.					
BT-18-1	2	0..1	Scheme identifier	The identification scheme identifier of the Invoiced object identifier.	S	INVOIC.SG1[D_1153 = "ATS"].RFF.C506.1153	1..1		Use UN code list 1153; Use ATS as default value
BT-19	1	0..1	Buyer accounting reference	A textual value that specifies where to book the relevant data into the Buyer's financial accounts.	T	INVOIC.SG2[D_3035 = "BY"].SG3[D_1153 = "AOU"].RFF.C506.1154	1..1		
BT-20	1	0..1	Payment terms	A textual description of the payment terms that apply to the amount due for payment (Including description of possible penalties).	T	INVOIC.FTX[D_4451 = "AAB"].C108.4440	1..1		
BG-1	1	0..n	INVOICE NOTE	A group of business terms providing textual notes that are relevant for the invoice,		INVOIC.FTX[D_4451 = "GEN"]	0..99		

ID	Level	Card.	BT	Desc.	ED	Path	Card.	Match	Rules
				together with an indication of the note subject.					
BT-21	2	0..1	Invoice note subject code	The subject of the following textual note.	C	INVOIC.FTX[D_4451 = "GEN"].4451	1..1		Use UN code list 4451; GEN as default; others as appropriate
BT-22	2	1..1	Invoice note	A textual note that gives unstructured information that is relevant to the Invoice as a whole.	T	INVOIC.FTX[D_4451 = "GEN"].C108.4440	1..1		
BG-2	1	1..1	PROCESS CONTROL	A group of business terms providing information on the business process and rules applicable to the		INVOIC.FTX[D_4451 = "DOC"]	1..99		

ID	Level	Card.	BT	Desc.	Path	Card.	Match	Rules
BT-23		0..1	Business process type	Identifies the business process context in which the transaction appears, to enable the Buyer to process the Invoice in an appropriate way.	INVOIC.FTX[D_4451 = "DOC"].C107.4441	1..1		
BT-24	2	1..1	Specification identifier	An identification of the specification containing the total set of rules regarding semantic content, cardinalities and business rules to which the data contained in the instance document conforms.	INVOIC.FTX[D_4451 = "DOC"].C108.4440	1..1		
BG-3	1	0..n	PRECEDING INVOICE REFERENCE	A group of business terms providing information on one or more	INVOIC.SG1[D_1153 = "OI"]	0..99999		

ID	Level	Card.	BT	Desc.	D	Path	Card.	Match	Rules
				preceding Invoices.					
BT-25	2	1..1	Preceding Invoice number	The identification of an Invoice that was previously sent by the Seller.	O	INVOIC.SG1[D_1153 = "OI"].RFF.C506.1154	1..1		
BT-26	2	0..1	Preceding Invoice date	The date when the Preceding Invoice was issued.	D	INVOIC.SG1[D_1153 = "OI"].DTM.C507.2380	1..1		
BG-4	1	1..1	SELLER	A group of business terms providing information about the Seller.		INVOIC.SG2[D_3035 = "SE"]	1..99		
BT-27	2	1..1	Seller name	The full formal name by which the Seller is registered in the national registry of legal entities or as a Taxable person or otherwise trades as a person or persons.	T	INVOIC.SG2[D_3035 = "SE"].NAD.C080.3036	1..1		

ID	Level	Card.	BT	Desc.	Path	Card.	Match	Rules
BT-28	2	0..1	Seller trading name	A name by which the Seller is known, other than Seller name (also known as Business name).	INVOIC.SG2[D_3035 = "SE"].NAD.C080.3036#2	0..1		
BT-29	2	0..n	Seller identifier	An identification of the Seller.	INVOIC.SG2[D_3035 = "SE"].NAD.C082.3039	1..1		
BT-29-1	3	0..1	Seller identification scheme identifier	The identification scheme identifier of the Seller identifier.	INVOIC.SG2[D_3035 = "SE"].NAD.C082.1131	0..1		Use ISO 6523 ICD list; e.g. 0088 = Global Location Number (GLN); 0060 = Data Universal Numbering System (D-U-N-S)
BT-30	2	0..1	Seller legal registration identifier	An identifier issued by an official registrar that identifies the Seller as a legal entity or person.	INVOIC.SG2[D_3035 = "SE"].SG3[D_1153 = "GN"].RFF.C506.1154	1..1		
BT-30-1	3	0..1	Seller legal registration identifier identification	The identification scheme identifier of the Seller legal	INVOIC.SG2[D_3035 = "SE"].SG3[D_1153 = "GN"].RFF.C506.1153	1..1		

ID	Level	Card.	BT	Desc.	Card.	Path	Card.	Match	Rules
			scheme identifier	registration identifier.					
BT-31	2	0..1	Seller VAT identifier	The Seller's VAT identifier (also known as Seller VAT identification number).	I	INVOIC.SG2[D_3035 = "SE"].SG3[D_1153 = "VA"].RFF.C506.1154	1..1		
BT-32	2	0..1	Seller registration tax identifier	The local identification (defined by the Seller's address) of the Seller for tax purposes or a reference that enables the Seller to state his registered tax status.	I	INVOIC.SG2[D_3035 = "SE"].SG3[D_1153 = "AHP"].RFF.C506.1154	1..1		
BT-33	2	0..1	Seller additional legal information	Additional legal information relevant for the Seller.	T	INVOIC.FTX[D_4451 = "REG"].C108.4440	1..1		
BT-34	2	0..1	Seller electronic address	Identifies the Seller's electronic address to which a business	I	INVOIC.SG2[D_3035 = "SE"].SG5[D_3139 = "IC"].COM.C076.3148	1..1		

ID	Level	Card.	BT	Desc.	ED	Path	Card.	Match	Rules
				document may be delivered.					
BT-34-1	3	1..1	Seller electronic address identification scheme identifier	The identification scheme identifier of the Seller electronic address	S	INVOIC.SG2[D_3035 = "SE"].SG5[D_3139 = "IC"].COM.C076.3155	1..1		Use EM (= Email) as default; look at code list mapping for other values
BG-5	2	1..1	SELLER POSTAL ADDRESS	A group of business terms providing information about the address of the Seller.		INVOIC.SG2[D_3035 = "SE"].NAD	1..1		
BT-35	3	0..1	Seller address line 1	The main address line in an address.	T	INVOIC.SG2[D_3035 = "SE"].NAD.C059.3042	1..1		
BT-36	3	0..1	Seller address line 2	An additional address line in an address that can be used to give further details supplementing the main line.	T	INVOIC.SG2[D_3035 = "SE"].NAD.C059.3042#2	0..1		

ID	Level	Card.	BT	Desc.	Path	Card.	Match	Rules
BT-162		0..1	Seller address line 3	An additional address line in an address that can be used to give further details supplementing the main line.	INVOIC.SG2[D_3035 = "SE"].NAD.C059.3042#3	0..1		
BT-37	3	0..1	Seller city	The common name of the city, town or village, where the Seller address is located.	INVOIC.SG2[D_3035 = "SE"].NAD.3164	0..1		
BT-38	3	0..1	Seller post code	The identifier for an addressable group of properties according to the relevant postal service.	INVOIC.SG2[D_3035 = "SE"].NAD.3251	0..1		
BT-39	3	0..1	Seller country subdivision	The subdivision of a country.	INVOIC.SG2[D_3035 = "SE"].NAD.C819.3228	0..1		
BT-40	3	1..1	Seller country code	A code that identifies the country.	INVOIC.SG2[D_3035 = "SE"].NAD.3207	0..1	CAR-2	
BG-6	2	0..1	SELLER CONTACT	A group of business terms providing contact information about the	INVOIC.SG2[D_3035 = "SE"].SG5[D_3139 = "SU"]	0..5		

ID	Level	Card.	BT	Desc.	Path	Card.	Match	Rules
				Seller.s				
BT-41	3	0..1	Seller contact point	A contact point for a legal entity or person.	INVOIC.SG2[D_3035 = "SE"].SG5[D_3139 = "SU"].CTA.C056.341 2	1..1		
BT-42	3	0..1	Seller telephone number	A phone number for the contact point.	INVOIC.SG2[D_3035 = "SE"].SG5[D_3139 = "SU"].COM.C076.314 8	1..1		
BT-43	3	0..1	Seller contact email address	An e-mail address for the contact point.	INVOIC.SG2[D_3035 = "SE"].SG5[D_3139 = "SU"].COM.C076.314 8	1..1		
BG-7	1	1..1	BUYER	A group of business terms providing information about the Buyer.	INVOIC.SG2[D_3035 = "BY"]	1..99		
BT-44	2	1..1	Buyer name	The full name of the Buyer.	INVOIC.SG2[D_3035 = "BY"].NAD.C080.3036	1..1		
BT-45	2	0..1	Buyer trading name	A name by which the Buyer is known, other than Buyer name (also known as Business name).	INVOIC.SG2[D_3035 = "BY"].NAD.C080.3036#2	0..1		
BT-46	2	0..1	Buyer identifier	An identifier of the Buyer.	INVOIC.SG2[D_3035 = "BY"].NAD.C082.3039	1..1		

ID	Level	Card.	BT	Desc.	LD	Path	Card.	Match	Rules
BT-46-1	3	0..1	Buyer identification scheme identifier	The identification scheme identifier of the Buyer identifier.	S	INVOIC.SG2[D_3035 = "BY"].NAD.C082.1131	1..1		Use ISO 6523 ICD list; e.g. 0088 = Global Location Number (GLN); 0060 = Data Universal Numbering System (D-U-N-S)
BT-47	2	0..1	Buyer registration legal identifier	An identifier issued by an official registrar that identifies the Buyer as a legal entity or person.	I	INVOIC.SG2[D_3035 = "BY"].SG3[D_1153 = "GN"].RFF.C506.1154	1..1		
BT-47-1	3	0..1	Buyer registration identifier identification scheme identifier	The identification scheme identifier of the Buyer registration identifier.	S	INVOIC.SG2[D_3035 = "BY"].SG3[D_1153 = "GN"].RFF.C506.1153	1..1		
BT-48	2	0..1	Buyer VAT identifier	The Buyer's VAT identifier (also known as Buyer VAT identification number).	I	INVOIC.SG2[D_3035 = "BY"].SG3[D_1153 = "VA"].RFF.C506.1154	1..1		

ID	Level	Card.	BT	Desc.	ED	Path	Card.	Match	Rules
BT-49	2	0..1	Buyer electronic address	Identifies the Buyer's electronic address to which a business document should be delivered.	I	INVOIC.SG2[D_3035 = "BY"].SG5[D_3139 = "IC"].COM.C076.3148	1..1		
BT-49-1	3	1..1	Buyer electronic address identification scheme identifier	The identification scheme identifier of the Buyer electronic address.	S	INVOIC.SG2[D_3035 = "BY"].SG5[D_3139 = "IC"].COM.C076.3155	1..1		Use EM (= Email) as default; look at code list mapping for other values
BG-8	2	1..1	BUYER POSTAL ADDRESS	A group of business terms providing information about the postal address for the Buyer.		INVOIC.SG2[D_3035 = "BY"].NAD	1..1		
BT-50	3	0..1	Buyer address line 1	The main address line in an address.	T	INVOIC.SG2[D_3035 = "BY"].NAD.C059.3042	1..1		
BT-51	3	0..1	Buyer address line 2	An additional address line in an address that can be used to give further details supplementing the main line.	T	INVOIC.SG2[D_3035 = "BY"].NAD.C059.3042#2	0..1		

ID	Level	Card.	BT	Desc.	Path	Card.	Match	Rules
BT-163		0..1	Buyer address line 3	An additional address line in an address that can be used to give further details supplementing the main line.	INVOIC.SG2[D_3035 = "BY"].NAD.C059.3042#3	0..1		
BT-52	3	0..1	Buyer city	The common name of the city, town or village, where the Buyer's address is located.	INVOIC.SG2[D_3035 = "BY"].NAD.3164	0..1		
BT-53	3	0..1	Buyer post code	The identifier for an addressable group of properties according to the relevant postal service.	INVOIC.SG2[D_3035 = "BY"].NAD.3251	0..1		
BT-54	3	0..1	Buyer country subdivision	The subdivision of a country.	INVOIC.SG2[D_3035 = "BY"].NAD.C819.3228	0..1		
BT-55	3	1..1	Buyer country code	A code that identifies the country.	INVOIC.SG2[D_3035 = "BY"].NAD.3207	0..1	CAR-2	
BG-9	2	0..1	BUYER CONTACT	A group of business terms providing contact information relevant for the	INVOIC.SG2[D_3035 = "BY"].SG5[D_3139 = "PD"]	0..5		

ID	Level	Card	BT	Desc.	ED	Path	Card.	Match	Rules
				Buyer.					
BT-56	3	0..1	Buyer contact point	A contact point for a legal entity or person.	T	INVOIC.SG2[D_3035 = "BY"].SG5[D_3139 = "PD"].CTA.C056.3413	0..1		
BT-57	3	0..1	Buyer contact telephone number	A phone number for the contact point.	T	INVOIC.SG2[D_3035 = "BY"].SG5[D_3139 = "PD"].COM.C076.3148	1..1		
BT-58	3	0..1	Buyer contact email address	An e-mail address for the contact point.	T	INVOIC.SG2[D_3035 = "BY"].SG5[D_3139 = "PD"].COM.C076.3148	1..1		
BG-10	1	0..1	PAYEE	A group of business terms providing information about the Payee, i.e. the role that receives the payment.		INVOIC.SG2[D_3035 = "PE"]	0..99		
BT-59	2	1..1	Payee name	The name of the Payee.	T	INVOIC.SG2[D_3035 = "PE"].NAD.C080.3036	1..1		
BT-60	2	0..1	Payee identifier	An identifier for the Payee.	I	INVOIC.SG2[D_3035 = "PE"].NAD.C082.3039	1..1		
BT-60-1	3	0..1	Payee identifier scheme identifier	The identification scheme identifier of the Payee identifier.	S	INVOIC.SG2[D_3035 = "PE"].NAD.C082.1131	1..1		Use ISO 6523 ICD list; e.g. 0088 = Global Location Number (GLN);

ID	Level	Card.	BT	Desc.	LT	Path	Card.	Match	Rules
									0060 = Data Universal Numbering System (D-U-N-S)
BT-61	2	0..1	Payee legal registration identifier	An identifier issued by an official registrar that identifies the Payee as a legal entity or person.	I	INVOIC.SG2[D_3035 = "PE"].SG3.RFF.C506.1154	1..1		
BT-61-1	3	0..1	Payee legal registration identifier scheme identifier	The identification scheme identifier of the Payee legal registration identifier.	S	INVOIC.SG2[D_3035 = "PE"].SG3.RFF.C506.1153	1..1		
BG-11	1	0..1	SELLER TAX REPRESENTATIVE PARTY	A group of business terms providing information about the Seller's tax representative.		INVOIC.SG2[D_3035 = "LC"]	0..99		
BT-62	2	1..1	Seller tax representative name	The full name of the Seller's tax representative party.	T	INVOIC.SG2[D_3035 = "LC"].NAD.C080.3036	1..1		

ID	Level	Card.	BT	Desc.	U	Path	Card.	Match	Rules
BT-63	2	1..1	Seller tax representative VAT identifier	The VAT identifier of the Seller's tax representative party.	I	INVOIC.SG2[D_3035 = "LC"].SG3.RFF.C506.1154	1..1		
BG-12	2	1..1	SELLER TAX REPRESENTATIVE POSTAL ADDRESS	A group of business terms providing information about the postal address for the tax representative party.		INVOIC.SG2[D_3035 = "LC"].NAD	1..1		
BT-64	3	0..1	Tax representative address line 1	The main address line in an address.	T	INVOIC.SG2[D_3035 = "LC"].NAD.C059.3042	1..1		
BT-65	3	0..1	Tax representative address line 2	An additional address line in an address that can be used to give further details supplementing the main line.	T	INVOIC.SG2[D_3035 = "LC"].NAD.C059.3042#2	0..1		
BT-164		0..1	Tax representative address line 3	An additional address line in an address that can be used to give further details supplementing the main line.	T	INVOIC.SG2[D_3035 = "LC"].NAD.C059.3042#3	0..1		

ID	Level	Card.	BT	Desc.	LD	Path	Card.	Match	Rules
BT-66	3	0..1	Tax representative city	The common name of the city, town or village, where the tax representative address is located.	T	INVOIC.SG2[D_3035 = "LC"].NAD.3164	0..1		
BT-67	3	0..1	Tax representative post code	The identifier for an addressable group of properties according to the relevant postal service.	T	INVOIC.SG2[D_3035 = "LC"].NAD.3251	0..1		
BT-68	3	0..1	Tax representative country subdivision	The subdivision of a country.	T	INVOIC.SG2[D_3035 = "LC"].NAD.C819.3228	0..1		
BT-69	3	1..1	Tax representative country code	A code that identifies the country.	C	INVOIC.SG2[D_3035 = "LC"].NAD.3207	1..1		
BG-13	1	0..1	DELIVERY INFORMATION	A group of business terms providing information about where and when the goods and services invoiced are delivered.		INVOIC.SG2[D_3035 = "DP"]	0..99	STR-3	

ID	Level	Card.	BT	Desc.	LD	Path	Card.	Match	Rules
BT-70	2	0..1	Deliver to party name	The name of the party to which the goods and services are delivered.	T	INVOIC.SG2[D_3035 = "DP"].NAD.C080.3036	1..1		
BT-71	2	0..1	Deliver location identifier	An identifier for the location at which the goods and services are delivered.	I	INVOIC.SG2[D_3035 = "DP"].NAD.C082.3039	1..1		
BT-71-1	3	0..1	Deliver location identifier identification scheme identifier	The identification scheme identifier of the Deliver location identifier.	S	INVOIC.SG2[D_3035 = "DP"].NAD.C082.1131	0..1		Use ISO 6523 ICD list; e.g. 0088 = Global Location Number (GLN); 0060 = Data Universal Numbering System (D-U-N-S)
BT-72	2	0..1	Actual delivery date	The date on which the delivery is made.	D	INVOIC.DTM[D_2005 = "35"].C507.2380	1..1		
BG-14	2	0..1	DELIVERY OR INVOICE PERIOD	A group of business terms providing information on the invoice period.		INVOIC.DTM[D_2005 = "167"]	0..35	STR-3	

ID	Level	Card.	BT	Desc.	D	Path	Card.	Match	Rules
						INVOIC.DTM[D_2005 = "168"]	0..35	STR-3	
BT-73	3	0..1	Invoicing period start date	The date when the Invoice period starts.	D	INVOIC.DTM[D_2005 = "167"].C507.2380	1..1		
BT-74	3	0..1	Invoicing period end date	The date when the Invoice period ends.	D	INVOIC.DTM[D_2005 = "168"].C507.2380	1..1		
BG-15	2	0..1	DELIVER TO ADDRESS	A group of business terms providing information about the address to which goods and services invoiced were or are delivered.		INVOIC.SG2[D_3035 = "DP"].NAD	1..1		
BT-75	3	0..1	Deliver to address line 1	The main address line in an address.	T	INVOIC.SG2[D_3035 = "DP"].NAD.C059.3042	1..1		
BT-76	3	0..1	Deliver to address line 2	An additional address line in an address that can be used to give further details supplementing the main line.	T	INVOIC.SG2[D_3035 = "DP"].NAD.C059.3042#2	0..1		

ID	Level	Card.	BT	Desc.	Card.	Path	Card.	Match	Rules
BT-165		0..1	Deliver to address line 3	An additional address line in an address that can be used to give further details supplementing the main line.	T	INVOIC.SG2[D_3035 = "DP"].NAD.C059.3042#3	0..1		
BT-77	3	0..1	Deliver to city	The common name of the city, town or village, where the deliver to address is located.	T	INVOIC.SG2[D_3035 = "DP"].NAD.3164	0..1		
BT-78	3	0..1	Deliver to post code	The identifier for an addressable group of properties according to the relevant postal service.	T	INVOIC.SG2[D_3035 = "DP"].NAD.3251	0..1		
BT-79	3	0..1	Deliver to country subdivision	The subdivision of a country.	T	INVOIC.SG2[D_3035 = "DP"].NAD.C819.3228	0..1		
BT-80	3	1..1	Deliver to country code	A code that identifies the country.	C	INVOIC.SG2[D_3035 = "DP"].NAD.3207	0..1	CAR-2	
BG-16	1	0..1	PAYMENT INSTRUCTIONS	A group of business terms providing information		INVOIC.SG8[D_4279 = "1"]	0..10	STR-3	

ID	Level	Card.	BT	Desc.	D	Path	Card.	Match	Rules
				about the payment.					
BT-81	2	1..1	Payment means type code	The means, expressed as code, for how a payment is expected to be or has been settled.	C	INVOIC.SG8[D_4279 = "1"].PAI.C534.4461	1..1		
BT-82	2	0..1	Payment means text	The means, expressed as text, for how a payment is expected to be or has been settled.	T	INVOIC.FTX[D_4451 = "AAT"].C108.4440	1..1		Code AAT may be used for other than IATA
BT-83	2	0..1	Remittance information	A textual value used to establish a link between the payment and the Invoice, issued by the Seller.	T	INVOIC.SG1[D_1153 = "PQ"].RFF.C506.1154	1..1		
BG-17	2	0..n	CREDIT TRANSFER	A group of business terms to specify credit transfer payments.		INVOIC.SG2[D_3035 = "SE"].FII	0..5		

ID	Level	Card.	BT	Desc.	Path	Card.	Match	Rules
BT-84	3	1..1	Payment account identifier	A unique identifier of the financial payment account, at a payment service provider, to which payment should be made.	INVOIC.SG2[D_3035 = "SE"].FII.C078.3194	1..1		
BT-85	3	0..1	Payment account name	The name of the payment account, at a payment service provider, to which payment should be made.	INVOIC.SG2[D_3035 = "SE"].FII.C078.3192	0..1		
BT-86	3	0..1	Payment service provider identifier	An identifier for the payment service provider where a payment account is located.	INVOIC.SG2[D_3035 = "SE"].FII.C088.3433	0..1		
BG-18	2	0..1	PAYMENT CARD INFORMATION	A group of business terms providing information about card used for payment contemporaneous with invoice issuance.	INVOIC.SG2[D_3035 = "BY"].FII[D_3035 = "PB"]	0..5		

ID	Level	Card	BT	Desc.	Unit	Path	Card.	Match	Rules
BT-87	3	1..1	Payment card primary account number	The Primary Account Number (PAN) of the card used for payment.	T	INVOIC.SG2[D_3035 = "BY"].FI[D_3035 = "PB"].C078.3194	1..1		
BT-88	3	0..1	Payment card holder name	The name of the payment card holder.	T	INVOIC.SG2[D_3035 = "BY"].FI[D_3035 = "PB"].C078.3192	0..1		
BG-19	2	0..1	DIRECT DEBIT	A group of business terms to specify a direct debit.		INVOIC.SG2[D_3035 = "BY"].FI[D_3035 = "BI"]	0..5	STR-3	
						INVOIC.SG2[D_3035 = "BY"].SG3[D_1153 = "AVS"]	0..9999	STR-3	
						INVOIC.SG2[D_3035 = "BY"].SG3[D_1153 = "All"]	0..9999	STR-3	
BT-89	3	0..1	Mandate reference identifier	Unique identifier assigned by the Payee for referencing the direct debit mandate.	I	INVOIC.SG2[D_3035 = "BY"].SG3[D_1153 = "AVS"].RFF.C506.1154	0..1		
BT-90	3	0..1	Bank assigned creditor identifier	Unique banking reference identifier of the Payee or Seller assigned by the Payee or Seller bank.	I	INVOIC.SG2[D_3035 = "BY"].SG3[D_1153 = "All"].RFF.C506.1154	0..1		

ID	Level	Card.	BT	Desc.	Path	Card.	Match	Rules
BT-91	3	0..1	Debited account identifier	The account to be debited by the direct debit.	INVOIC.SG2[D_3035 = "BY"].FI[D_3035 = "BI"].C078.3194	0..1		
BG-20	1	0..n	DOCUMENT LEVEL ALLOWANCES	A group of business terms providing information about allowances applicable to the Invoice as a whole.	INVOIC.SG16[D_5463 = "A"]	0..9999		
BT-92	2	1..1	Document level allowance amount	The amount of an allowance, without VAT.	INVOIC.SG16[D_5463 = "A"].SG20[D_5025 = "204"].MOA.C516.5004	1..1		
BT-93	2	0..1	Document level allowance base amount	The base amount that may be used, in conjunction with the document level allowance percentage, to calculate the document level allowance amount.	INVOIC.SG16[D_5463 = "A"].SG20[D_5025 = "25"].MOA.C516.5004	1..1		

ID	Level	Card.	BT	Desc.	LD	Path	Card.	Match	Rules
BT-94	2	0..1	Document level allowance percentage	The percentage that may be used, in conjunction with the document level allowance base amount, to calculate the document level allowance amount.	P	INVOIC.SG16[D_5463 = "A"].SG19.PCD.C501.5482	1..1		
BT-95	2	1..1	Document level allowance VAT category code	A coded identification of what VAT category applies to the document level allowance.	C	INVOIC.SG16[D_5463 = "A"].SG22.TAX.5305	1..1		
BT-96	2	0..1	Document level allowance VAT rate	The VAT rate, represented as percentage that applies to the document level allowance.	P	INVOIC.SG16[D_5463 = "A"].SG22.TAX.C243.5278	0..1		
BT-97	2	0..1	Document level allowance reason	The reason for the document level allowance, expressed as text.	T	INVOIC.SG16[D_5463 = "A"].ALC.C552.1230	0..1		

ID	Level	Card.	BT	Desc.	ED	Path	Card.	Match	Rules
BT-98	2	0..1	Document level allowance reason code Document level allowance reason code	The reason for the document level allowance, expressed as a code. The reason for the document level allowance, expressed as a code.	C	INVOIC.SG16[D_5463 = "A"].ALC.C552.5189	0..1		
BG-21	1	0..n	DOCUMENT LEVEL CHARGES	A group of business terms providing information about charges and taxes other than VAT, applicable to the Invoice as a whole.		INVOIC.SG16[D_5463 = "C"]	0..9999		
BT-99	2	1..1	Document level charge amount	The amount of a charge, without VAT.	A	INVOIC.SG16[D_5463 = "C"].SG20[D_5025 = "23"].MOA.C516.5004	1..1		
BT-100	2	0..1	Document level base charge amount	The base amount that may be used, in conjunction with the document level charge percentage, to calculate the document level	A	INVOIC.SG16[D_5463 = "C"].SG20[D_5025 = "25"].MOA.C516.5004	0..1		

ID	Level	Card.	BT	Desc.	Doc.	Path	Card.	Match	Rules
				charge amount.					
BT-101	2	0..1	Document level charge percentage	The percentage that may be used, in conjunction with the document level base charge amount, to calculate the document level charge amount.	P	INVOIC.SG16[D_5463 = "C"].SG19.PCD.C501.5482	0..1		
BT-102	2	1..1	Document level charge VAT category code	A coded identification of what VAT category applies to the document level charge.	C	INVOIC.SG16[D_5463 = "C"].SG22.TAX.5305	1..1		
BT-103	2	0..1	Document level charge VAT rate	The VAT rate, represented as percentage that applies to the document level charge.	P	INVOIC.SG16[D_5463 = "C"].SG22.TAX.C243.5278	0..1		
BT-104	2	0..1	Document level charge reason	The reason for the document level charge.	T	INVOIC.SG16[D_5463 = "C"].ALC.C552.1230	0..1		

ID	Level	Card.	BT	Desc. expressed as text.	U	Path	Card.	Match	Rules
BT-105	2	0..1	Document level charge reason code	The reason for the document level charge, expressed as a code.	C	INVOIC.SG16[D_5463 = "C"].ALC.C214.7161	0..1		
BG-22	1	1..1	DOCUMENT TOTALS	A group of business terms providing the monetary totals for the Invoice.		INVOIC.UNS	1..1		
BT-106	2	1..1	Sum of Invoice line net amount	Sum of all Invoice line net amounts in the Invoice.	A	INVOIC.SG52[D_5025 = "79"].MOA.C516.5004	1..1		
BT-107	2	0..1	Sum of allowances on document level	Sum of all allowances on document level in the Invoice.	A	INVOIC.SG52[D_5025 = "260"].MOA.C516.5004	0..1		
BT-108	2	0..1	Sum of charges on document level	Sum of all charges on document level in the Invoice.	A	INVOIC.SG52[D_5025 = "259"].MOA.C516.5004	0..1		
BT-109	2	1..1	Invoice total amount without VAT	The total amount of the Invoice without VAT.	A	INVOIC.SG52[D_5025 = "389"].MOA.C516.5004	0..1		
BT-110	2	0..1	Invoice total VAT amount	The total VAT amount for the	A	INVOIC.SG52[D_5025 = "176"].MOA.C516.5004	0..1		

ID	Level	Card.	BT	Desc.	LT	Path	Card.	Match	Rules
				Invoice.					
BT-111	2	0..1	Invoice total VAT amount in accounting currency	The VAT total amount expressed in the accounting currency accepted or required in the country of the Seller.	A	INVOIC.SG52[D_5025 = "2"].MOA.C516.5004	0..1		
BT-112	2	1..1	Invoice total amount with VAT	The total amount of the Invoice with VAT.	A	INVOIC.SG52[D_5025 = "388"].MOA.C516.5004	1..1		
BT-113	2	0..1	Paid amount	The sum of amounts which have been paid in advance.	A	INVOIC.SG52[D_5025 = "113"].MOA.C516.5004	0..1		
BT-114	2	0..1	Rounding amount	The amount to be added to the invoice total to round the amount to be paid.	A	INVOIC.SG52[D_5025 = "366"].MOA.C516.5004	0..1		
BT-115	2	1..1	Amount due for payment	The outstanding amount that is requested to be paid.	A	INVOIC.SG52[D_5025 = "9"].MOA.C516.5004	0..1		

ID	Level	Card.	BT	Desc.	Path	Card.	Match	Rules
BG-23	1	1..n	VAT BREAKDOWN	A group of business terms providing information about VAT breakdown by different categories, rates and exemption reasons	INVOIC.SG54	1..10		
BT-116	2	1..1	VAT category taxable amount	Sum of all taxable amounts subject to a specific VAT category code and VAT category rate (if the VAT category rate is applicable).	INVOIC.SG54.MOA[D_5025 = "125"].C516.5004	1..1		
BT-117	2	1..1	VAT category tax amount	The total VAT amount for a given VAT category.	INVOIC.SG54.MOA[D_5025 = "124"].C516.5004	1..1		
BT-118	2	1..1	VAT category code	Coded identification of a VAT category.	INVOIC.SG54.TAX.5305	1..1		
BT-119	2	0..1	VAT rate	The VAT rate, represented as percentage that applies for the relevant VAT	INVOIC.SG54.TAX.C243.5278	0..1		

ID	Level	Card.	BT	Desc.	Type	Path	Card.	Match	Rules
				category.					
BT-120	2	0..1	VAT exemption reason text	A textual statement of the reason why the amount is exempted from VAT or why no VAT is being charged	T	INVOIC.FTX[D_4451 = "AGM"].C108.4440	1..1		
BT-121	2	0..1	VAT exemption reason code	A coded statement of the reason for why the amount is exempted from VAT.	C	INVOIC.FTX[D_4451 = "AGM"].C107.4441	1..1		
BG-24	1	0..n	ADDITIONAL SUPPORTING DOCUMENTS	A group of business terms providing information about additional supporting documents substantiating the claims made in the Invoice.		INVOIC.SG26	0..99		
BT-122	2	1..1	Supporting document	An identifier of the supporting	O	INVOIC.SG26.RFF.C506.1154	0..1		

ID	Level	Card.	BT	Desc.	ED	Path	Card.	Match	Rules
			reference	document.					
						UNO.S020.0802	1..1		
BT-123	2	0..1	Supporting document description	A description of the supporting document.	T	INVOIC.SG26.EFI.C077.7008	0..1		
BT-124	2	0..1	External document location	The URL (Uniform Resource Locator) that identifies where the external document is located.	T	INVOIC.SG26.COM.C076.3148	1..1		
BT-125	2	0..1	Attached document	An attached document embedded as binary object or sent together with the invoice.	B	UNO	0..1	STR-3	
BT-125-1	3	1..1	Attached document Mime code	The mime code of the attached document.	S	UNO.S021.0809	0..1		
BT-125-2	3	1..1	Attached document Filename	The file name of the attached document	S	INVOIC.SG26.EFI.C077.1508	1..1		
BG-25	1	1..n	INVOICE LINE	A group of business terms providing information on		INVOIC.SG27	1..9999999		

ID	Level	Card.	BT	Desc.	Path	Card.	Match	Rules
				individual Invoice lines.				
BT-126	2	1..1	Invoice line identifier	A unique identifier for the individual line within the Invoice.	INVOIC.SG27.LIN.1082	1..1		
BT-127	2	0..1	Invoice line note	A textual note that gives unstructured information that is relevant to the Invoice line.	INVOIC.SG27.FTX[D_4451 = "ACB"].C108.4440	1..1		
BT-128	2	0..1	Invoice line object identifier	An identifier for an object on which the invoice line is based, given by the Seller.	INVOIC.SG27.SG31[D_1153 = "AVE"].RFF.C506.1154	1..1		
BT-128-1	3	0..1	Invoice line object identifier scheme identifier	The identification scheme identifier of the Invoice line object identifier.	INVOIC.SG27.SG31[D_1153 = "AVE"].RFF.C506.1153	1..1		
BT-129	2	1..1	Invoiced quantity	The quantity of items (goods or services) that is charged in the Invoice line.	INVOIC.SG27.QTY.C186.6060	1..1		

ID	Level	Card	BT	Desc.	Path	Card	Match	Rules
BT-130	2	1..1	Invoiced quantity unit of measure	The unit of measure that applies to the invoiced quantity.	INVOIC.SG27.QTY.C186.6411	1..1		Usage of Rec 20 [3] with Rec 21 [4] extensions is allowed as defined in usage note 2.a) of Rec 20
BT-131	2	1..1	Invoice line net amount	The total amount of the Invoice line.	INVOIC.SG27.SG28.MOA.C516.5004	1..1		
BT-132	2	0..1	Referenced purchase order line reference	An identifier for a referenced line within a purchase order, issued by the Buyer.	INVOIC.SG27.SG31[D_1153 = "ON"].RFF.C506.1156	1..1		
BT-133	2	0..1	Invoice line Buyer accounting reference	A textual value that specifies where to book the relevant data into the Buyer's financial accounts.	INVOIC.SG27.SG31[D_1153 = "AWQ"].RFF.C506.1154	1..1		
BG-26	2	0..1	INVOICE LINE PERIOD	A group of business terms providing information about the period relevant for the Invoice line.	INVOIC.SG27.DTM[D_2005 = "167"]	0..35	STR-3	

ID	Level	Card.	BT	Desc.	Path	Card.	Match	Rules
					INVOIC.SG27.DTM[D_2005 = "168"]	0..35	STR-3	
BT-134	3	0..1	Invoice line period start date	The date when the Invoice period for this Invoice line starts.	INVOIC.SG27.DTM[D_2005 = "167"].C507.2380	1..1		
BT-135	3	0..1	Invoice line period end date	The date when the Invoice period for this Invoice line ends.	INVOIC.SG27.DTM[D_2005 = "168"].C507.2380	1..1		
BG-27	2	0..n	INVOICE LINE ALLOWANCES	A group of business terms providing information about allowances applicable to the individual Invoice line.	INVOIC.SG27.SG40[D_5463 = "A"]	0..30		
BT-136	3	1..1	Invoice allowance amount	The amount of an allowance, without VAT.	INVOIC.SG27.SG40[D_5463 = "A"].SG43[D_5025 = "204"].MOA.C516.5004	1..1		
BT-137	3	0..1	Invoice allowance base amount	The base amount that may be used, in conjunction with the Invoice line allowance percentage, to calculate the Invoice line	INVOIC.SG27.SG40[D_5463 = "A"].SG43[D_5025 = "25"].MOA.C516.5004	1..1		