

**Message Implementation Guideline
For E-Invoice Data Exchange**

Ver: 3.2.1

Fiscal Information Agency, Ministry of Finance

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Revision history:

Version	Date	Revision summary
Ver 1.0	2005/11/01	<ul style="list-style-type: none"> • First issue
Ver 2.0	2005/12/15	<ul style="list-style-type: none"> • No revision
Ver 2.1	2006/01/20	<ul style="list-style-type: none"> • DonateMark added; B2C description of Role Group revised
Ver 2.2	2006/04/15	<ul style="list-style-type: none"> • “Chapter 5 Specifications for data check result message” added
Ver 2.3	2006/05/30	<ul style="list-style-type: none"> • “Chapter 16 A1101 Invoice Message (Extension for Steel Industry)” and “Chapter 17 B1101 Allowance Message (Extension for Steel Industry)” added; specifications of A0101 and B0101 revised to delete UnitPrice2, Unit2, Quantity2 and Ammount2.
Ver 2.4	2006/09/28	<ul style="list-style-type: none"> • Details element of A0101, B0101, A1101 and B1101 revised to add a new level of element ProductItem. • Cardinality of all message tree MG Line#1s revised from “1..n” to “1” • Length of PersonInCharge revised to 12 • 01: three-sheet; 02: two-sheet; 03: two-sheet for cashier machine; 04. Special tax rate; 05: computer; and 06: three-sheet for cashier machine added to the Remark of InvoiceType. • “Chapter 5 Specifications for data check result message” deleted; refer for the check mechanism developed by users for the data check mechanism.
Ver 2.5	2007/01/19	<ul style="list-style-type: none"> • The XML Schema syntaxes of “SalesAmount (\$NTD),” “TaxAmount” and “TotalAmount” in A0101 and A1101 revised from int to decimal. • The XML Schema syntaxes of “SalesAmount (\$NTD),” “TaxAmount” and “TotalAmount” in B0101 and B1101 revised from int to decimal. • Figure and table numbers and titles added. • Page headers, chapter titles and version added.
Ver 2.6	2007/03/26	<ul style="list-style-type: none"> • Remark of Identifier in Table 3 RoleDescriptionType revised: B2B: buyer/seller – BAN B2C: seller – BAN; buyer – fill out 10 “0s” • Remark of Name in Table 3 RoleDescriptionType revised: B2B: buyer/seller – name of business entity B2C: seller – name of business entity; buyer – personal identifier that allows a business entity to inform consumers, which contains 4 alphabets and no Chinese character. • Examples added to Table 5: Year, Month and Day • Examples added to Table 11: InvoiceNumber, InvoiceDate, InvoiceTime, TaxCenter, PermitDate, PermitWord and PermitNumber • In Tables 14 and 46, “SequenceNumber” changed to “SequenceNumber” and remark added. • Examples added to Table 24: Number, and descriptions to OriginalSequenceNumber and AllowanceSequenceNumber • Examples added to Table 30: CancelInvoiceNumber, CancelTime • Examples added to Table 32: CancelInvoiceNumber, ReceiveTime • Example added to Table 34: CancelTime • Example added to Table 36: ReceiveTime • Example added to Table 38: RejectTime • Examples added to Table 40: RejectInvoiceNumber, ReceiveTime • Examples added to Table 43: InvoiceNumber, InvoiceTime

		<ul style="list-style-type: none"> • Example added to Table 54: Number and descriptions to OriginalSequenceNumber and AllowanceSequenceNumber
Ver 2.7	2007/10/01	<ul style="list-style-type: none"> • Remark added for A0101: Invoice / Amount / TaxAmount: To fill out TaxAmount, Article 32 of the Value-added and Non-value-added Business Tax Act specifies: “Where a business entity calculates the output tax pursuant to Article 14, if the purchaser is a business entity, the output tax and the sales amount shall be stated separately on the uniform invoice; if the purchaser is not a business entity, the uniform invoice shall be issued at the list price.” The contents of invoice uploaded to the E-IE-Invoice Platform shall be consistent with those of the invoices issued. • The Chinese field name revised for A0101: Invoice / Amount / TaxAmount as “Tax.” • Remark added for A1101: Invoice / Amount / TaxAmount: To fill out TaxAmount, Article 32 of the Value-added and Non-value-added Business Tax Act specifies: “Where a business entity calculates the output tax pursuant to Article 14, if the purchaser is a business entity, the output tax and the sales amount shall be stated separately on the uniform invoice; if the purchaser is not a business entity, the uniform invoice shall be issued at the list price.” The contents of invoice uploaded to the E-IE-Invoice Platform shall be consistent with those of the invoices issued. • The Chinese field name revised for A1101: Invoice / Amount / TaxAmount as “Tax.” • The Chinese field name revised for A0201: CancelInvoice / ReturnTaxDocumentNumber as “ReturnTaxDocumentNumber” • Remark of buyer in Tables 11 and 43 revised from “purchase and cost may be deducted” changed to “purchase and cost that may be deducted;” the other three revised accordingly. • Table 18: InvoiceConfirm: length of “remark” changed to 201 • Table 30: CancelInvoice: a note “this field is required if CancelTime exceeds reporting period” added to “ReturnTaxDocumentNumber” • The notes “no decimal point limit” and “can be left blank” deleted from all tables. • Chinese description of “Buyer” and “Seller” revised in Tables 11, 21, 43 and 51 and the note “See Table 3 for definitions” added in Remark
Ver 2.8	2007/05/21	<ul style="list-style-type: none"> • “XSDVersion” attribute description added to messages. • Element “RoleRemark” added to “Table 3: Specifications of element RoleDescriptionType;” remark of “Name” revised as “B2C: Seller – name of business entity; buyer – personal identifier that allows a business entity to inform consumers (for public auditing). It contains 4 ASCII characters or 2 full-width Chinese characters;” “xsd:maxLength value=’30’” revised to “xsd:maxLength value=’40’” for EmailAddress. • The note “YYYYMMDD; use ROC year format, for example: 00990101” added in remark of “ReceiveDate” in “Table 18: InvoiceConfirm” of A0102 • Chinese descriptions revised for “BuyerRemark” and remark of “PermitNumber” in “Table 11: Specifications of element Invoice/Main” in A0101

		<ul style="list-style-type: none"> • Chinese descriptions revised for “TaxType” in “Table 16: Specifications of element Invoice/Amount” of A0101 • Chinese descriptions revised for “BuyerRemark” and remark of “PermitNumber” in “Table 43: Specifications of element Invoice/Main” of A1101 • Chinese descriptions revised for “TaxType” in “Table 48: Specifications of element Invoice/Amount” of A1101 • Element “BuyerRemark” added to “Table 18: Specifications of element InvoiceConfirm” of A0102 with the same specifications as in Table 11 of A0101. • Chinese descriptions revised for “AllowanceDate” in “Table 21: Specifications of element Allowance/Main” of B0101; “xsd:pattern value=”[12]”” revised to “xsd:pattern value=”[1-2]”” • The note “This value is discount amount before tax” added to the remark of “Amount” in “Table24: Allowance/Details” of B0101; element “Tax” added; Chinese description of “TaxType” revised. • Chinese description of “AllowanceDate” revised for “Table 51: Specifications of element Allowance/Main” in B1101; “xsd:pattern value=”[12]”” in “AllowanceType” changed to “xsd:pattern value=”[1-2]”” • “Table 54: Specifications of element “Allowance/Details/ProductItem”” in B1101 changed to “Table 54: Specifications of element “Allowance/Details;” the note “This value is discount amount before tax” added to the remark of “Amount” and “Amount2;” element “Tax” added; Chinese description of “TaxType” revised. • All the notes “Table XX: XXXXX XML Schema” deleted from the document • “Element Data” changed to “Specifications of element “ • The note “ for the spcial needs of quotations in foreign currencies for the electronic industry” changed to “ for the spcial needs of quotations in foreign currencies for business entities” • The date note “YYYYMMDD; use ROC year format, for example: 00990101” for every message changed to “See Table 5 for definition and example.” • The the note in the field “BAN” in InvoiceConfirm, CancelInvoice, RejectInvoice and RejectInvoiceConfirm changed from “B2C:IDN” to “B2C: fill out 10 “0s”.” • Note “it is possible to save the last 4 digits of credit card number for online transactions with the credit card” deleted in “MainRemark” of Invoice/Main • “Tax” and “Amount” of Invoice/Amount changed from decimal to long; “DiscountAmount” changed from int to long. • Chinese description of “TaxAmount” revised for Allowance/Amount; Chinese description of “TotalAmount” revised and its type changed from decimal to long. • “xsd:minLength value=”10”” revised for “InvoiceNumberType” (from 1 to 10) • Description of type “long” added • Appendices B-N XML Schemas added for the messages
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		<ul style="list-style-type: none"> The length of “Remark” changed from 201 back to 200 for Table 16: Specifications of element “InvoiceConfirm”
Ver 2.8.1	2011/2/21	<ul style="list-style-type: none"> TaxCenter, PermitDate, PermitWord and PermitNumber in Invoice changed from M (must) to O (optional); Messages A0101 and A1101 affected. New value added to TaxType: stands for taxable (special tax rate); messages A0101, A1101, B0101 and B1101 affected The XSD version of revised A0101, A1101, B0101 and B1101 updated to V2.1
Ver 3.0	2011/8/12	<p>Taiwan time zone only for DateType and TimeType; AC year format added in addition to ROC year format.</p> <p>Physical channel 4: taxable (special tax rate) added to TaxTypeEnum XSDVersion deleted and XML namespace adopted for version management MessageTypeEnum added purely for version maintenance C0401 B2C Invoice, C0501 B2C CancelInvoice, C0601 B2C RejectInvoice and C0701 B2C VoidInvoice added C0401/C0501/C0601 added for the integration of B2C virtual and physical channel MIG format The function of attachment added to A0101, B0101, B0401, A1101 and B1101 SequenceNumber changed from 2 digits to 3 ProductItem changed from 99 items to 999 The field “Item” deleted All the SellerID and BuyerID in the messages changed from O to M InvoiceDate changed to OriginalInvoiceDate and InvoiceNumber to OriginalInvoiceNumber for B0101 Compliance with Paragraph 4, Article 7 of the Value-added and Non-value-added Business Tax Act for invoices eligible for zero tax rate; the note “Compliance with Paragraph 4, Article 7 of the Value-added and Non-value-added Business Tax Act” is required in the remark of MIG A0102 . The required field “CancelReason” added to A0201, A0501, B0201 and B0501 ReceiveDate revised to CancelDate and ReceiveTime to CancelTime for A0202 and B0202 B0401 InvoiceDate changed to OriginalInvoiceDate; InvoiceNumber changed to OriginalInvoiceNumber. B1101 InvoiceDate changed to OriginalInvoiceDat; InvoiceNumber changed to OriginalInvoiceNumber. B1401 InvoiceDate changed to OriginalInvoiceDate; InvoiceNumber changed to OriginalInvoiceNumber. The required field “VoidReason” added to C0701 according to physical channel trial 1.0.5</p>
Ver 3.0.1	2011/9/9	<p>“MIG 3.0 is required” changed to “MIG 3.0.1 is required” for this version. AllowanceType added to B0102 Items with quantity as 0 are allowed in A0101 and A401</p>
Ver 3.0.2	2012/12/24	<p>“MIG 3.0.1 is required” changed to “MIG 3.0.2 is required” for this version. C0401 CheckNumber revised to distinguish the invoice printing format. C0401 CarrierType, CarrierId1 and CarrierId2 revised for reporting with cell phone barcodes</p>

Ver 3.0.3	2013/5/30	<p>The following messages are added: E0401 BranchTrack E0402 BranchTrackBlank E0501 InvoiceAssignNo</p>
Ver 3.1	2013/7/1	<p>Common items</p> <ol style="list-style-type: none"> 1. Length of PersonInCharge changed from 12 to 30. 2. Length of TelephoneNumber changed from 15 to 26. 3. Length of FacsimileNumber changed from 15 to 26. 4. Length of EmailAddress changed from 40 to 80. 5. Requirement of AllowanceNumberType changed to “the allowance form numbers are required not to be repeated even carried over from the previous year.” 6. CustomsClearanceMarkEnum: this field is required for zero-tax-rate invoices. <p><u>A0101 B2B Invoice</u></p> <ol style="list-style-type: none"> 1. “TaxCenter,” “PermitWord,” “PermitNumber” and “PermitDate” deleted. 2. InvoiceTime is now required. <p><u>A0401 B2B Invoice</u></p> <ol style="list-style-type: none"> 1. “TaxCenter,” “PermitWord,” “PermitNumber” and “PermitDate” deleted. 2. “InvoiceTime” is now required. 3. “Attachment” added. 4. “BondedAreaEnum” added. <p><u>A0102 InvoiceConfirm</u></p> <ol style="list-style-type: none"> 1. “BondedAreaConfirm” added. <p><u>A1101 B2B Invoice (Steel)</u></p> <ol style="list-style-type: none"> 1. This is deleted. Users of A1101 message are suggested to use A0101. <p><u>A1401 B2B Invoice (Steel)</u></p> <ol style="list-style-type: none"> 1. This is deleted. Users of A1401 message are suggested to use A0401. <p><u>B1101 Allowance (Extension for Steel Industry)</u></p> <ol style="list-style-type: none"> 1. This is deleted. Users of B1101 message are suggested to use B0101. <p><u>B1401 Allowance (Extension for Steel Industry)</u></p> <ol style="list-style-type: none"> 1. This is deleted. Users of B1401 message are suggested to use B0401. <p><u>C0401 B2C Invoice</u></p> <ol style="list-style-type: none"> 1. TaxCenter, PermitWord, PermitNumber and PermitDate deleted. 2. when PrintMark is Y, CarrierType, CarrierId1 and CarrierId2 must be left blank and the DonateMark must be 0. The CarrierType, CarrierId1 and CarrierId2 are required if a customer requests invoice with a cell phone barcode (including the request for an invoice shown with the buyer’s uniform invoice number) regardless what PrintMark is. 3. The NPOBAN shall not be left blank if DonateMark is 1. 4. The RandomNumber is required to contain 4 digits. RandomNumber that is left blank or contains fewer than 4 digits will result in rejection. 5. The note “Enter “health surcharge” in this field if it is as such” is added in Remark of Invoice/Details/ProductItem for further use. 6. TaxAmount, ZeroTaxSalesAmount and TotalAmount shall not be negative.

		<p>7. InvoiceTime is required. 8. DateType and TimeType are used uniformly for the format of InvoiceDate and InvoiceTime.</p> <p><u>C0501 B2C CancelInvoice</u> 1. CancelReason is revised to at least 1 in length to ensure that business entity enters this required field.</p> <p><u>C0601 B2C RejectInvoice</u> 1. This is deleted as there will be no invoice rejection according to B2C needs.</p> <p><u>C0701 B2C VoidInvoice</u> 1. VoidReason is revised to at least 1 in length to ensure that business entity enters this required field.</p> <p><u>D0501 B2C CancelAllowance</u> 1. CancelReason is revised to at least 1 in length to ensure that business entity enters this required field.</p> <p><u>E0401 BranchTrack</u> 1. Description added: If the platform receives alphabetic letters range of serial numbers distributed to branches with repeated BranchTrack/Main, the data transmitted previously will be removed and those transmitted later will be saved in the database. 2. Cardinalityof BranchTrackItem revised to 1.....25000.</p> <p><u>E0402 BranchTrackBlank</u> 1. Description added: if the E-Invoice Platform receives repeated or overlapped Details/BranchTrackBlankItem, the repeated or overlapped data will be deleted and the data uploaded later will be saved in the database.</p>
Ver 3.1.1	2014/3/20	<p>“MIG 3.1 is required” changed to “MIG 3.1.1 is required” for this version.</p> <p><u>Revision of common items</u> BondedAreaEnum is revised as follows: 1: The buyer is an industrial park business Revised as1: Compliance with Paragraph 4, Article 7 of the Value-added and Non-value-added Business Tax Act (the buyer is a business entity in a bonded area) 2: The buyer is in the high-sea fishery industry Revised as 2: Compliance with Paragraph 7, Article 7 of the Value-added and Non-value-added Business Tax Act(the buyer is a business entity engaged in high-sea fishery industry) 3: The buyer is in a bonded area (free trade zone) Revised as 3: Compliance with Subparagraphs 1 and 4, Paragraph 1, Article 28 of the Act for the Establishment and Management of Free trade zones(the buyer is a business entity in a free trade zone)</p> <p>The revision of BondedAreaEnum affects: A0102 B2B InvoiceConfirm A0401 B2B Invoice</p> <p>Remark of BAN is revised as: Enter the buyer / seller’s uniform invoice number for B2B transactions The seller enters his uniform invoice number / buyer enters 10 “0s” for B2C transactions</p>

		<p><u>A0101 B2B Invoice</u> UnitPrice, Quantity and Amount in Invoice/Details/ProductItem are allowed to be negative.</p> <p><u>A0401 B2B Invoice</u> UnitPrice, Quantity and Amount in Invoice/Details/ProductItem are allowed to be negative.</p> <p><u>B0101 Allowance</u> UnitPrice, Quantity, Amount and Tax in Invoice/Details/ProductItem are allowed to be negative.</p> <p><u>B0401 Allowance</u> UnitPrice, Quantity, Amount and Tax in Invoice/Details/ProductItem are allowed to be negative.</p> <p><u>C0401 B2C Invoice</u> 1. RandomNumber is revised to be a 4-digit number instead of AAAA according to law amendment. 2. DonateMark revised; 1 for donated invoice and 0 for non-donated invoice. 3. Quantity in Invoice/Details/ProductItem is allowed to be negative.</p> <p><u>D0401 Allowance</u> UnitPrice, Quantity, Amount and Tax in Invoice/Details/ProductItem are allowed to be negative.</p>
Ver 3.1.2	2014/9/25	<p>“MIG 3.1.1 is required” changed to “MIG 3.1.2 is required” for this version.</p> <p><u>Revision of common items</u> The following are added to InvoiceTypeEnum according to law amendment: 07: electronic uniform invoice for general tax calculation 08: electronic uniform invoice for special tax calculation There are only 07 and 08 for the electronic uniform invoice alphabetic letters applied by business entities from Jan 1 2015.</p>
Ver 3.1.2	2017/12/25	<p>The contents of the document are added and revised for this version as follows:</p> <ol style="list-style-type: none"> 1. Description of E0402 revised; 2. Description “Chapter 3 Message Summary Table” added; 3. “1. Message function” revised for B0101, B0201, A0401 and B0401; 4. Chapter 4, Table 3, Name and the note “B2C – personal identifier that allows a business entity to inform consumers” in Remark revised.
Ver 3.2	2018/8/27	<p>In compliance with amendment to Article 9 of Regulations Governing the Use of Uniform Invoices and in response of the adjustment to specified items for Cross-border E-commerce Suppliers:</p> <ol style="list-style-type: none"> 1. Adjust A0101, A0401 Message of TaxAmount, TotalAmount, DiscountAmount fields type, changed from log to decimal. 2. Adjust B0101, B0401 Message of Tax, TaxAmount, TotalAmount fields type, changed from loto decimal. 3. Adjust C0401 Message of TaxAmount, TotalAmount, DiscountAmount fields type, changed from log to decimal. 4. Adjust C0401 Message description of SalesAmount, ZeroTaxSalesAmount, FreeTaxSAlesAmount, TotalAmount remark fields. 5. Adjust D0501 Message of Tax, TaxAmount, TotalAmount, fields type, changed from log to decimal. <p>Revised E0501 “allow business entities and authorized value-added center to download the business entity electronic uniform invoice number assignment</p>

		file”.
Ver 3.2.1	2019/6/12	1. Adjust the contents of Specifications of element “DonateMarkEnum” Remark. 2. Adjust the contents of Specifications of element “CarrierTypeEnum.”

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Chapter 1. How to Use the Guideline

I. Purpose

The Message Implementation Guideline (referred to as MIG hereafter) is designed to provide Internet users a specification for the XML message standard of the electronic uniform invoices. The specification is modified from time to time according to the practical business needs and relevant laws and regulations for the electronic uniform invoice XML Internet operations in Taiwan. The MIG specifies the structure of an electronic uniform invoice, syntax and specifications of data conversion in the hope to provide participants in the electronic uniform invoice XML operations (e.g. business entities and value-added centers) a foundation for establishment and data exchange.

II. Contents

The MIG provides the specifications of standard message conversion which consists of three parts:

(I) Part 1

Chapter 1 provides a general description of how to use the MIG.

(II) Part 2

Chapter 2 describes the data types used in W3C and the structure of standard messages.

(III) Part 3

Chapters 3 through 27 provide the specifications and description of individual messages used in the MIG.

III. How to use the MIG

The following describes how to use the MIG:

- To have a basic understanding about the W3C international standards, it is necessary to read **【Chapter 2, Message Structures】** first to find out the message structures selected for W3C, data types and the structure of a standard message.
- Next, **【Chapter 3, Message Summary Table】** provide a clear picture for the types of messages used for the transmission of electronic uniform invoices over Internet.
- **【Chapter 4, Common Message Specifications】** presents the common communication specifications used in the MIG.
- Chapters 5 through 27 cover the specifications of individual messages.

The description of every message specification covers the message function, message structure, message tree and element or aggregate, as presented below:

(I) Message function

This section describes the function and content of a message, including necessary basic information and associated selected information, as well as how to use a message and additional notes such as limits.

(II) Message structure

This section explains the elements or aggregates used in a message using a message structure, and provides a clear picture of the structure and level of individual elements or aggregates. The message structure is read from left to right and from top to bottom. The following are the symbols used in the structure and their definitions:



Symbol	Definition
	Indicates an arbitrary element in an aggregate
	Indicates the order of element in an aggregate
0..∞	Indicates an element appears at least zero time in an aggregate
1..∞	Indicates an element appears at least one time in an aggregate

Figure 1: Message structures and their symbols

(III) Message tree

This section presents the elements or aggregates in a message as a tree which shows the hierarchy of the message structure. The entire message consists of elements, and the tree provides a clear picture of how the message information is related to these elements.

(IV) Element or aggregate

This section tabulates the specifications of elements or aggregates in a message. In the table, the XML message structure established is “tagged” in the description of elements. In addition, the table provides the element name for every tag used in the message, the XML Schema syntax, data length, necessity (M for must and O for optional) and remark.

Chapter 2. Message Structure

I. Standard message

The XML Schema is selected as the standard for the messages described in the MIG because both XML Schema and DTD play the same roll, which is to determine the XML document structure and define what elements and attributes a document should have, the order of elements, repeatability limit and he data type and range of attributes. However, the XML Schema provides better support for data types and greater expandability, as shown below:

【Limits of DTD】

- DTD is not compatible with XML in terms of syntax.
- DTD does not follow the syntax rules of XML.
- It cannot specify the content of an element or data type of an attribute.
- It is difficult to describe how many times an element appears.
- The use of namespace is not allowed.
- It is difficult to distinguish accurately the content of mixed types.
- The relationship of mathematic set provides only the conditions of 0, 1 and “multiple.”
- There is no group naming settings for elements and attributes, and, therefore, elements or attributes that have been declared previously cannot be used again.
- The ability to support data types is weak (for example, it cannot define the range of <Age> element as an integer between 0 and 999).
- DTD provides support for only 10 data types.

【Features of XML Schema】

- The syntax used is the same as XML.
- XML Schema supports more than 40 data types, far more than 10 as in DTD.
- Data types are user-definable; for example, the <Cell phone number> element is a string whose content must meet the dddd-ddd-ddd format, where d stands for digits.
- Object-oriented design, which extends or limits old data types and derive new ones from them.

- It expresses sets and defines sub-elements to appear in any order.
- It determines that the element content must be unique or at least unique in a certain range of value.
- Multiple elements can be given the same name but different contents.
- The content of an element can be defined as null (which is different from an empty element in meaning).
- It defines replaceable elements; for example, the “subway” element can be replaced with “train” uniformly.

II. Data types used

The XML Schema data types used in the MIG are presented below:

(See **【Appendix A: XML Schema Data Type Table】** for details of XML Schema data types)

(I) String

The data of this type contains a “string” of characters that comply with the character set of ISO/IEC 10646-2000. Characters that are valid are tab, carriage return, line feed and all legal characters complying with Unicode (UTF-8, UTF-16) and defined by ISO/IEC 10646.

(II) Decimal

The data of this type refer to decimal numerals of arbitrary precision. The data value is not limited to integers. Values with decimal point are acceptable (up to 7 digits behind the decimal point).

(III) Long

The data of this type refer to integers which can be positive, negative or zero, ranging from -9223372036854775808 to 9223372036854775807.

III. Standard message structures

(I) Element

Element is the building block of message that is used to construct the messages transmitted between sender and receiver.

In case that an element has its necessity as “O” (optional) and that there is in fact no value to be filled out, this element, along with XML Tag, can be omitted and not uploaded.

(II) Aggregate

An aggregate is a combination of relevant elements bundled together based on a certain logic in order to indicate a specific meaning. In a simple term, it is a specific name used to represent a combination of elements related to one another.

(III) Message

The basic unit transmitted between sender and receiver, a message consists of a group of related elements or aggregates, or both elements and aggregates.

(IV) Document

A document is a complete packet of messages to be transmitted between sender and receiver. Every document can contain multiple messages.

(V) Order

For document order rules, there is not specific order rule for messages in every type of service packet; however, an order can be given to the messages in a service packet based on the business requirements at the sender end. Nevertheless, the elements and aggregates in individual messages are still in an order defined by the document specification.

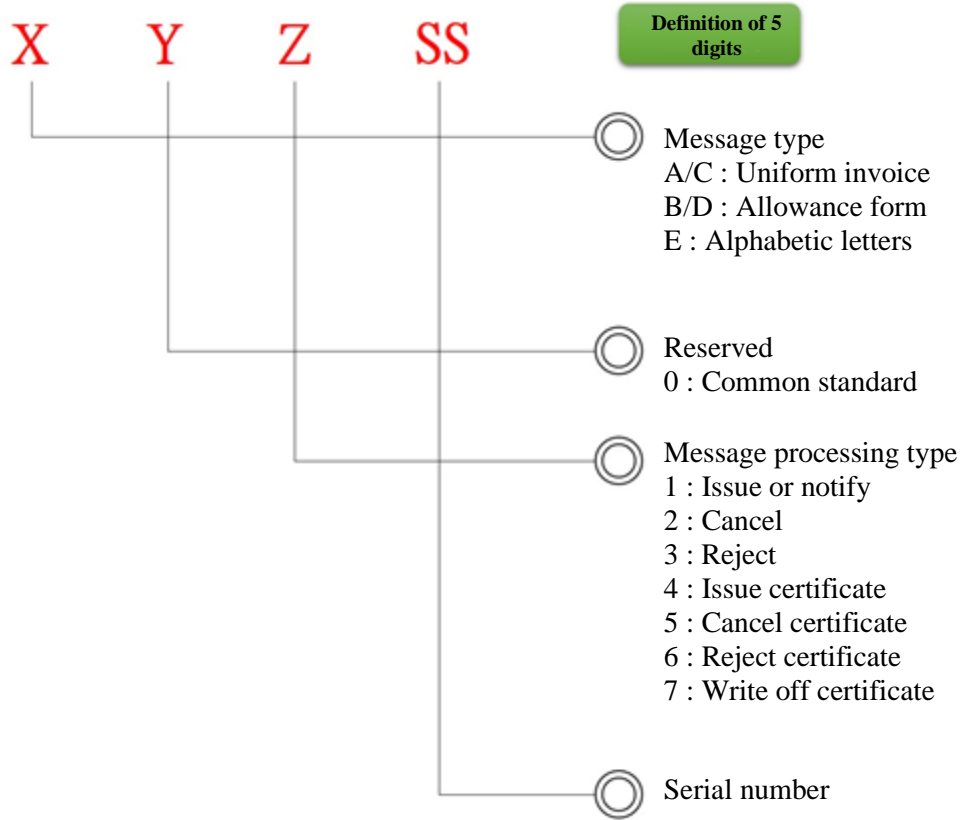
Chapter 3. Message Summary Table

Messages for the transactions between a business entity and another business entity, agency or group are B2B messages; those for transactions between a business entity and non-business entity are B2C messages; a request for electronic uniform invoice with a carrier is a B2C message. Business entities shall transmit with the correct message format. Call your local tax bureau for assistance.

Table 1: Electronic uniform invoice message summary table

Message Summary Table						
Type	Item	Message Code	Description	Sender	Receiver	Message type
B2B	Issue (seller) invoice: A01					
	1	A0101	Invoice Message	Seller	Buyer	A
	2	A0102	InvoiceConfirm Message	Buyer	Seller	A
	Cancel (seller) invoice: A02					
	3	A0201	CancelInvoice Message	Seller	Buyer	A
	4	A0202	CancelInvoiceConfirm Message	Buyer	Seller	A
	Reject (buyer) invoice: A03					
	5	A0301	RejectInvoice Message	Buyer	Seller	A
	6	A0302	RejectInvoiceConfirm Message	Seller	Buyer	A
	Issue (seller) invoice certificate: A04					
	7	A0401	Invoice Message for Platform Certification	Seller	Platform	A
	Cancel (seller) invoice certificate: A05					
	8	A0501	InvoiceCancel Message for Platform Certificateion	Seller	Platform	A
	Reject (buyer) invoice certificate: A06					
	9	A0601	RejectInvoice Message for Platform Certification	Buyer	Platform	A
Issue (buyer/seller) allowance certificate/notification: B01						
10	B0101	Allowance Message	Buyer/Seller	Seller/Buyer	B	
11	B0102	AllowanceConfirm Message	Seller/Buyer	Buyer/Seller	B	
Cancel (buyer) allowance certificate: B02						
12	B0201	CancelAllowance Message	Buyer	Seller	B	
13	B0202	CancelAllowanceConfirm Message	Seller	Buyer	B	
Issue (buyer/seller) allowance/notification certificate: B04						
14	B0401	Allowance Message for Platform Certification	Buyer/Seller	Platform	B	
Cancel allowance certificate: B05						
15	B0501	CancelAllowance Message for Platform Certificat	Buyer	Platform	B	
B2C	Issue (seller) invoice certificate: C04					
	16	C0401	Invoice Message for platform Certificate	Seller	Platform	C
	Cancel (seller) invoice certificate: C05					
	17	C0501	CancelInovice Message for Platform Certificate	Seller	Platform	C
	Void (seller) invoice certificate: C07					
	18	C0701	VoidInvoice Message for Platform Certificate	Seller	Platform	C
Issue (buyer)/transmit (seller) allowance certificate: D04						
19	D0401	Allowance Message for Platform Certificate	Seller	Platform	D	
Issue (buyer) allowance certificate: D05						
20	D0501	CancelAllowance Message for Platform Certificate	Seller	Platform	D	
Alphabetic letters	Branch number assignment and blank Alphabetic letters: E04					
	21	E0401	BranchTrack	Seller	Platform	E
	22	E0402	BrnachTrackBlank	Seller	Platform	E
	Business entity electronic uniform invoice number assignment: E05					
23	E0501	InvoiceAssignNo	Platform	Value-added center	E	

Note: the sender/receiver refers to the entity that sends/receives electronic uniform invoice messages. Sender/receivers may ask their HQs or a value-added center to send/receive the messages for them.



For example:
A0101 means a seller issues a uniform invoice.

Figure 2: Message coding

Chapter 4. Common Message Specifications

The common aggregate used in the message is described below:

- **RoleDescriptionType**: this aggregate defines the role description in the document which is used directly in relevant messages.

The common elements used in the message are described below:

- **MessageTypeEnum**: this element enumerates all message numbers for the direct use of messages.
- **InvoiceTypeEnum**: this element enumerates the invoice types in this document for the direct use of messages.
- **AllowanceNumberType**: this element defines the format of allowance certificate numbers in this document for the direct use of messages.
- **AllowanceTypeEnum**: this element enumerates the types of allowance certificate in this document for the direct use of messages.
- **BAN**: this element defines the format of uniform invoice number in this document for the direct use of messages.
- **BuyerRemarkEnum**: this element enumerates the remark fields of the buyer in this document for the direct use of messages.
- **CustomsClearanceMarkEnum**: this element enumerates the ways of clearance in this document for the direct use of messages
- **InvoiceNumberType**: this element defines the format of uniform invoice number in this document for the direct use of messages.
- **DonateMarkEnum**: this element enumerates the donation marks in this document for the direct use of messages.
- **TaxTypeEnum**: this element enumerates the types of tax in this document for the direct use of messages.
- **CarrierTypeEnum**: this element enumerates type numbers of carrier in this document for the direct use of messages.
- **CurrencyCodeEnum**: this element enumerates the currencies in this document according to the definitions in ISO 4217for the direct use of messages.
- **DateType**: this element defines the date in this document for the direct use of messages. All the dates of invoice issues used for invoice transmission shall be converted into Chungyuan Standard Time, i.e. UTC+8.The date information will be ignored if it contains time zone.
- **TimeType**: this element defines the time format in this document for the direct use of messages. All the dates of invoice issues used for invoice transmission shall be converted into Chungyuan Standard Time, i.e. UTC+8.The date information will be ignored if it contains time zone.

The details of specifications are provided as follows.

I. RoleDescriptionType

(I) Message structure

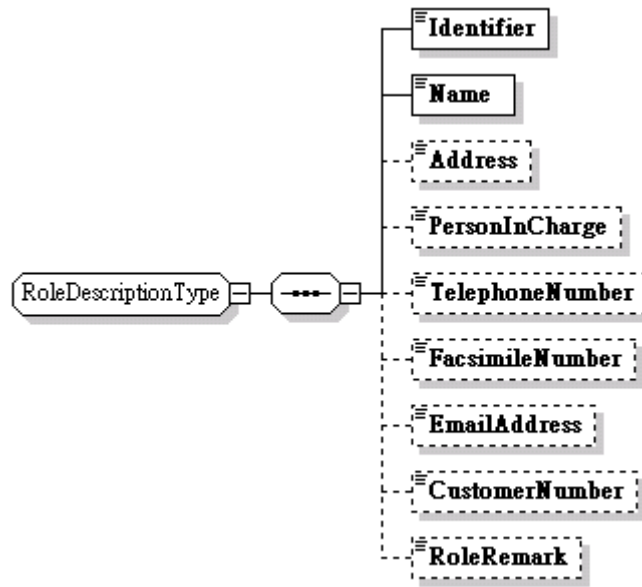


Figure 3: Message structure of RoleDescriptionType

(II) Element specifications

Table 2: Specifications of aggregate “RoleDescriptionType”

Element name	XML Schema syntax	Data length	Necessity	Remark
RoleDescriptionType	<xsd:group name="RoleDescriptionType">		M	

Table 3: Specifications of element “RoleDescriptionType”

Element name	XML Schema syntax	Data length	Necessity	Remark
Identifier	type="BAN"		M	
Name	xsd:string xsd:minLength value="1" xsd:maxLength value="60"	60	M	Seller: name of business entity Buyer: B2B– name of business entity; however, the buyer’s uniform invoice number shall be provided if the name of buyer (Name) is not accepted as the buyer’s company name. B2C– personal identifier that allows a business entity to inform consumers (for public auditing). It contains 4 ASCII characters or 2 full-width Chinese characters. The name of consumer or a consumer identifier developed by business entity (e.g.: the last 4 digit of the

				membership carrier; the last 4 digits of the member’s birth date; those who have not had one are advised to provide a random identifier that is different from the random identifier as the personal identifier) is acceptable.
Address	xsd:string xsd:maxLength value="100"	100	O	
PersonInCharge	xsd:string xsd:maxLength value="30"	30	O	
TelephoneNumber	xsd:string xsd:maxLength value="26"	26	O	
FacsimileNumber	xsd:string xsd:maxLength value="26"	26	O	
EmailAddress	xsd:string xsd:maxLength value="80"	80	O	
CustomerNumber	xsd:string xsd:maxLength value="20"	20	O	
RoleRemark	xsd:string xsd:length value="40"	40	O	Remark for business entity’s role

II. MessageTypeEnum

Table 4: Specifications of element “MessageTypeEnum”

Element name	XML Schema syntax	Data length	Necessity	Remark
MessageTypeEnum	xsd:string xsd:minLength value="5" xsd:maxLength value="5"	5	M	A0101, A0102, A0201, A0202, A0301, A0302, A0401, A0501, A0601, B0101, B0102, B0201, B0202, B0401, B0501, C0401, C0501, C0701, D0401, D0501, E0401, E0402, E0501

III. InvoiceTypeEnum

Table 5: Specifications of element “InvoiceTypeEnum”

Element name	XML Schema syntax	Data length	Necessity	Remark
InvoiceTypeEnum	xsd:string xsd:minLength value="2" xsd:maxLength value="2" xsd:pattern value="0[1-8]"	2		07: electronic uniform invoice for general tax calculation 08: electronic uniform invoice for special tax calculation

IV. AllowanceNumberType

Table 6: Specifications of element “AllowanceNumberType”

Element name	XML Schema syntax	Data length	Necessity	Remark
AllowanceNumberType	xsd:string xsd:minLength value="1"	16		The allowance form numbers are required not to be

	xsd:maxLength value="16"			repeated even carried over from the previous year, or they will be rejected by the system.
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V. AllowanceTypeEnum

Table 7: Specifications of element “AllowanceTypeEnum”

Element name	XML Schema syntax	Data length	Necessity	Remark
AllowanceTypeEnum	xsd:string xsd:minLength value="1" xsd:maxLength value="1" xsd:pattern value="[1-2]"	1		1: allowance certificate issued by buyer 2: allowance certificate issued by seller

VI. BAN

Table 8: Specifications of element “BAN”

Element name	XML Schema syntax	Data length	Necessity	Remark
BAN	xsd:string xsd:minLength value="0" xsd:maxLength value="10"	10		Enter the buyer / seller’s uniform invoice number for B2B transactions The seller enters his uniform invoice number / buyer enters 10 “0s” for B2C transactions

VII. BuyerRemarkEnum

Table 9: Specifications of element “BuyerRemarkEnum”

Element name	XML Schema syntax	Data length	Necessity	Remark
BuyerRemarkEnum	xsd:string xsd:minLength value="1" xsd:maxLength value="1" xsd:pattern value="[1-4]"	1		1: goods purchased and expenses that are deductible 2: fixed assets that are deductible 3: goods purchased and expenses that are not deductible 4: fixed assets that are not deductible

VIII. CustomsClearanceMarkEnum

Table 10: Specifications of element “CustomsClearanceMarkEnum”

Element name	XML Schema syntax	Data length	Necessity	Remark
CustomsClearanceMarkEnum	xsd:string xsd:minLength value="1" xsd:maxLength value="1"	1		1: exported not through customs service 2: exported through customs service (This is a required field for zero-tax-rate invoices.)

IX. InvoiceNumberType

Table 11: Specifications of element “InvoiceNumberType”

Element name	XML Schema syntax	Data length	Necessity	Remark
InvoiceNumberType	xsd:string xsd:minLength value="10" xsd:maxLength value="10" <xsd:pattern value="[A-Z]{2}\d{8}/>	10		Alphabetic letters included For example: QQ12345678

X. DonateMarkEnum

Table 12: Specifications of element “DonateMarkEnum”

Element name	XML Schema syntax	Data length	Necessity	Remark
DonateMarkEnum	xsd:string xsd:minLength value="1" xsd:maxLength value="1" xsd:pattern value="[0-1]"	1		0: uniform invoices not donated 1: uniform invoices donated The Cross-border E-commerce Suppliers can choose to provide the services of the purchasers to store cloud invoices by using the donate code in the transaction or before the transaction. Please refer the note.

Note :

- The stated Cross-border E-commerce Suppliers refer to business entities stated on Article 6, paragraph 4, of Value-added and Non-value-added Business Tax Act.
- According to Article 22 of the Directions for Implementing Electronic Invoices if the buyer does not request the electronic invoice certificate, one of the following methods may be used to donate the cloud invoice:
 - (1) Before the transaction, the grantee organization or group has been set up for the buyer’s carrier on the E-Invoice Platform. The change or cancellation of the designated grantee organization or group shall take effect on the next day after the change or cancellation of the setting.
 - (2) During transaction, when the buyer designates the donation to the specific grantee organization by the donation code or the donation method promulgated by the Ministry of Finance, the business entity shall not refuse.

XI. TaxTypeEnum

Table 13: Specifications of element “TaxTypeEnum”

Element name	XML Schema syntax	Data length	Necessity	Remark
TaxTypeEnum	xsd:string xsd:minLength value="1" xsd:maxLength value="1" xsd:pattern value="[1,2,3,4,9]"	1		1: taxable 2: zero tax rate 3: tax-free 4: taxable (special tax rates apply) 9: mixture of taxable and tax-free or zero-tax-rate items (for message C0401 only)

XII. CarrierTypeEnum

Table 14: Specifications of element “CarrierTypeEnum”

Element name	XML Schema syntax	Data length	Necessity	Remark
CarrierTypeEnum	xsd:string xsd:maxLength value="6"	6		<p>The carrier type is six-character. The common carrier type is described below:</p> <ol style="list-style-type: none"> 1. Cell phone barcode is 3J 0002. 2. Citizen Digital Certificate barcode is CQ0001. <p>The Cross-border E-commerce Suppliers:</p> <ul style="list-style-type: none"> • According to the Article 7-1-2 of the Regulations Governing the Use of Uniform Invoices, the business entity shall issue cloud invoices to purchasers. • The Cross-border E-commerce Suppliers should provide the services of the purchasers to store cloud invoices by using " the E-commerce carrier " which is issued by the Ministry of Finance. The E-commerce carriers mean the emails of the consumers and the carrier is filled in classification number "5 G0001". • The Cross-border E-commerce Suppliers can choose to provide the services of the buyers to store cloud invoices by using the common carriers.

XIII. CurrencyCodeEnum

Table 15: Specifications of element “CurrencyCodeEnum”

Element name	XML Schema syntax	Data length	Necessity	Remark
CurrencyCodeEnum	xsd:string xsd:minLength value="3" xsd:maxLength value="3"	3		AED: United Arab Emirates, Dirhams AFN: Afghanistan, Afghanis ALL: Albania, Leke AMD: Armenia, Drams ANG: Netherlands Antilles, Guilders (also called Florins) AOA: Angola, Kwanza ARS: Argentina, Pesos AUD: Australia, Dollars AWG: Aruba, Guilders (also called Florins) AZN: Azerbaijan, New Manats BAM: Bosnia and Herzegovina, Convertible Marka BBD: Barbados, Dollars BDT: Bangladesh, Taka BGN: Bulgaria, Leva BHD: Bahrain, Dinars BIF: Burundi, Francs BMD: Bermuda, Dollars BND: Brunei Darussalam, Dollars BOB: Bolivia, Bolivianos BRL: Brazil, Brazil Real BSD: Bahamas, Dollars BTN: Bhutan, Ngultrum BWP: Botswana, Pulas BYR: Belarus, Rubles BZD: Belize, Dollars CAD: Canada, Dollars CDF: Congo/Kinshasa, Congolese Francs CHF: Switzerland, Francs CLP: Chile, Pesos CNY: China, Yuan Renminbi COP: Colombia, Pesos CRC: Costa Rica, Colones CUP: Cuba, Pesos CVE: Cape Verde, Escudos CYP: Cyprus, Pounds (expires 2008-Jan-31) CZK: Czech Republic, Koruny DJF: Djibouti, Francs DKK: Denmark, Kroner DOP: Dominican Republic, Pesos DZD: Algeria, Algeria Dinars EGP: Egypt, Pounds ERN: Eritrea, Nakfa ETB: Ethiopia, Birr EUR: Euro Member Countries,

			<p>Euro FJD: Fiji, Dollars FKP: Falkland Islands (Malvinas), Pounds GBP: United Kingdom, Pounds GEL: Georgia, Lari GGP: Guernsey, Pounds GHS: Ghana, Cedis GIP: Gibraltar, Pounds GMD: Gambia, Dalasi GNF: Guinea, Francs GTQ: Guatemala, Quetzales GYD: Guyana, Dollars HKD: Hong Kong, Dollars HNL: Honduras, Lempiras HRK: Croatia, Kuna HTG: Haiti, Gourdes HUF: Hungary, Forint IDR: Indonesia, Rupiahs ILS: Israel, New Shekels IMP: Isle of Man, Pounds INR: India, Rupees IQD: Iraq, Dinars IRR: Iran, Rials ISK: Iceland, Kronur JEP: Jersey, Pounds JMD: Jamaica, Dollars JOD: Jordan, Dinars JPY: Japan, Yen KES: Kenya, Shillings KGS: Kyrgyzstan, Soms KHR: Cambodia, Riels KMF: Comoros, Francs KPW: Korea (North), Won KRW: Korea (South), Won KWD: Kuwait, Dinars KYD: Cayman Islands, Dollars KZT: Kazakhstan, Tenge LAK: Laos, Kips LBP: Lebanon, Pounds LKR: Sri Lanka, Rupees LRD: Liberia, Dollars LSL: Lesotho, Maloti LTL: Lithuania, Litai LVL: Latvia, Lati LYD: Libya, Dinars MAD: Morocco, Dirhams MDL: Moldova, Lei MGA: Madagascar, Ariary MKD: Macedonia, Denars MMK: Myanmar (Burma), Kyats MNT: Mongolia, Tugriks</p>
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			<p>MOP: Macau, Patacas MRO: Mauritania, Ouguiyas MTL: Malta, Liri (expires 2008-Jan-31) MUR: Mauritius, Rupees MVR: Maldives (Maldiv Islands), Rufiyaa MWK: Malawi, Kwachas MXN: Mexico, Pesos MYR: Malaysia, Ringgits MZN: Mozambique, Meticaais NAD: Namibia, Dollars NGN: Nigeria, Nairas NIO: Nicaragua, Cordobas NOK: Norway, Krone NPR: Nepal, Nepal Rupees NZD: New Zealand, Dollars OMR: Oman, Rials PAB: Panama, Balboa PEN: Peru, Nuevos Soles PGK: Papua New Guinea, Kina PHP: Philippines, Pesos PKR: Pakistan, Rupees PLN: Poland, Zlotych PYG: Paraguay, Guarani QAR: Qatar, Rials RON: Romania, New Lei RSD: Serbia, Dinars RUB: Russia, Rubles RWF: Rwanda, Rwanda Francs SAR: Saudi Arabia, Riyals SBD: Solomon Islands, Dollars SCR: Seychelles, Rupees SDG: Sudan, Pounds SEK: Sweden, Kronor SGD: Singapore, Dollars SHP: Saint Helena, Pounds SLL: Sierra Leone, Leones SOS: Somalia, Shillings SPL: Seborga, Luigini SRD: Suriname, Dollars STD: Sao Tome and Principe, Dobras SVC: El Salvador, Colones SYP: Syria, Pounds SZL: Swaziland, Emalangeni THB: Thailand, Baht TJS: Tajikistan, Somoni TMM: Turkmenistan, Manats TND: Tunisia, Dinars TOP: Tonga, Pa'anga TRY: Turkey, New Lira</p>
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			TTD: Trinidad and Tobago, Dollars TVD: Tuvalu, Tuvalu Dollars TWD: Taiwan, New Dollars TZS: Tanzania, Shillings UAH: Ukraine, Hryvnia UGX: Uganda, Shillings USD: United States of America, Dollars UYU: Uruguay, Pesos UZS: Uzbekistan, Sums VEB: Venezuela, Bolivares (expires 2008-Jun-30) VEF: Venezuela, Bolivares Fuertes VND: Viet Nam, Dong VUV: Vanuatu, Vatu WST: Samoa, Tala XAF: Communaute Financiere Africaine BEAC, Francs XAG: Silver, Ounces XAU: Gold, Ounces XCD: East Caribbean Dollars XDR: International Monetary Fund (IMF) Special Drawing Rights XOF: Communaute Financiere Africaine BCEAO, Francs XPD: Palladium Ounces XPF: Comptoirs Francais du Pacifique Francs XPT: Platinum, Ounces YER: Yemen, Rials ZAR: South Africa, Rand ZMK: Zambia, Kwacha ZWD: Zimbabwe, Zimbabwe Dollars
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XIV. DateType

Table 16: Specifications of aggregate “DateType”

Element name	XML Schema syntax	Data length	Necessity	Remark
DateType	xsd:string xsd.minLength value="8"			UTC+8 Taiwan time zone supports

	xsd:maxLength value="8" xsd:pattern value="[0-9][0-9][0-9][0-9] ((0[1-9] 1[0-2]))((0[1-9] [1-2] [0-9]) (3[0-1]))"			only AD dates, for example: 20170101
--	---	--	--	---

XV. TimeType

Table 17: Specifications of element “TimeType”

Element name	XML Schema syntax	Data length	Necessity	Remark
TimeType	xsd:time			Taiwan time zone UTC+8

XVI. BondedAreaEnum

Table 18: Specifications of element “BondedAreaEnum”

Element name	XML Schema syntax	Data length	Necessity	Remark
BondedAreaEnum	xsd:string xsd:minLength value="1" xsd:maxLength value="1" xsd:pattern value="[1-3]"	1		1: Compliance with Paragraph 4, Article 7 of the Value-added and Non-value-added Business Tax Act (the buyer is a business entity in a bonded area) 2: Compliance with Paragraph 7, Article 7 of the Value-added and Non-value-added Business Tax Act(the buyer is a business entity engaged in high-sea fishery industry) 3: Compliance with Subparagraphs 1 and 4, Paragraph 1, Article 28 of the Act for the Establishment and Management of Free trade zones(the buyer is a business entity in a free trade zone)

Notes: Texts to be shown on the certificate of electronic uniform invoice printout:

- 1: The goods or services listed on this uniform invoice are those purchased by the undersigned (factory, warehouse) for business operations that comply with Paragraph 4, Article 7 of the Value-added and Non-value-added Business Tax Act and Paragraph 2, Article 7-1 of the Enforcement Rules of the foregoing Act.
- 2: The goods listed on this uniform invoice are purchased by the undersigned (or company) for the use on board of its high-sea fishing fleet.
- 3: The goods, services or private machine or equipment listed on this certificate (or uniform invoice) are those purchased by the undersigned for business operations that comply with Subparagraphs 1 and 4, Paragraph 1, Article 28 of the Act for the Establishment and Management of Free trade zones

Chapter 5. Specifications of A0101 Invoice Message

I. Message function

The “Invoice message” is about the uniform invoice that a seller issues to a buyer for the goods or services he sells. The seller uploads the invoice issued to the E-Invoice Platform and this message is sent to the buyer. With the A0102 message, the buyer confirms the receipt of invoice to complete the systematic exchange. This message is a B2B message that is used for information exchange between business entities. This message is described as follows.

II. Message structure

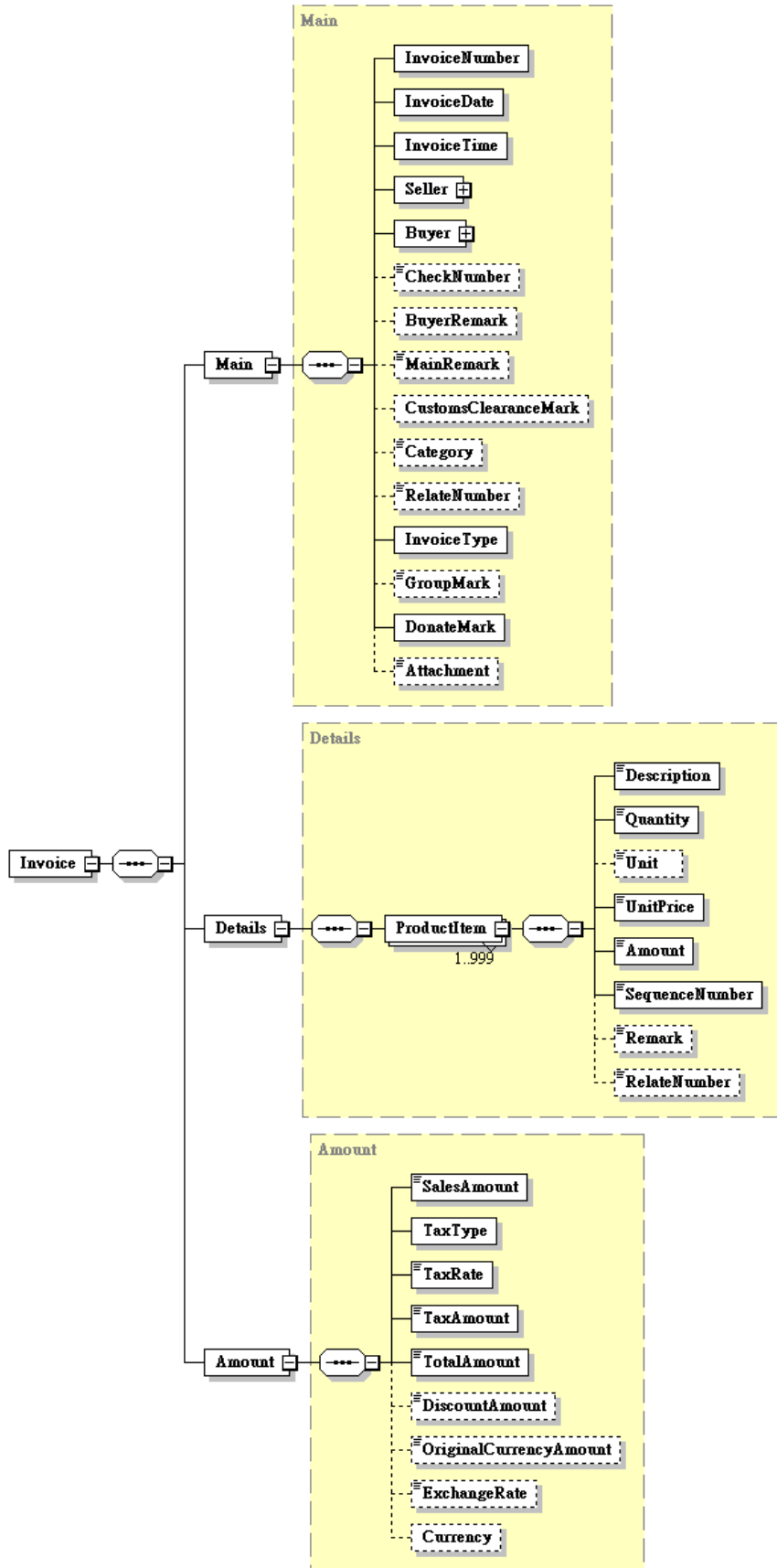


Figure 4: A0101 message structure

III.Message tree

Table 19: A0101 message tree

MIG A0101 Invoice Issuing			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
		Data Grouping/Header Tag - Does not contain information	
1	1	Invoice	
2	1	--Main	
3	1	--InvoiceNumber	
4	1	--InvoiceDate	
5	1	--InvoiceTime	
6	1	--Seller	
7	1	--Identifier	
8	1	--Name	
9	0..1	--Address	
10	0..1	--PersonInCharge	
11	0..1	--TelephoneNumber	
12	0..1	--FacsimileNumber	
13	0..1	--EmailAddress	
14	0..1	--CustomerNumber	
15	0..1	--RoleRemark	
16	1	--Buyer	
17	1	--Identifier	
18	1	--Name	
19	0..1	--Address	
20	0..1	--PersonInCharge	
21	0..1	--TelephoneNumber	
22	0..1	--FacsimileNumber	
23	0..1	--EmailAddress	
24	0..1	--CustomerNumber	
25	0..1	--RoleRemark	
26	0..1	--CheckNumber	
27	0..1	--BuyerRemark	
28	0..1	--MainRemark	
29	0..1	--CustomsClearanceMark	
30	0..1	--Category	
31	0..1	--RelateNumber	
32	1	--InvoiceType	
33	0..1	--GroupMark	
34	1	--DonateMark	
35	0..1	--Attachment	
36	1	--Details	
37	1..999	--ProductItem	
38	1	--Description	
39	1	--Quantity	
40	0..1	--Unit	
41	1	--UnitPrice	

(II) Invoice/Main

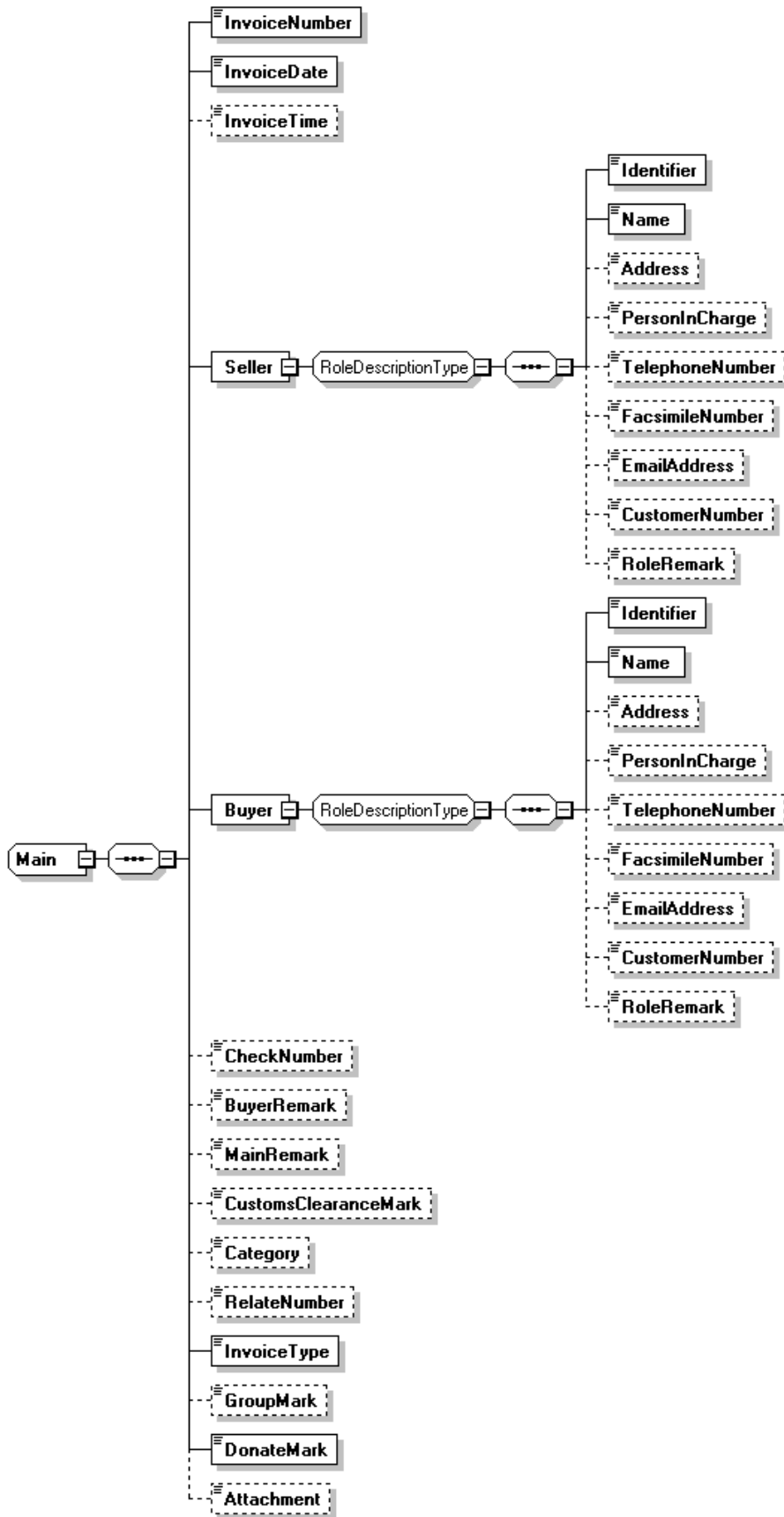


Figure 6: Invoice/Main message structure

Table 21: Specifications of element “Invoice/Main”

Element name	XML Schema syntax	Data length	Necessity	Remark
InvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example
InvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example
InvoiceTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example
Seller	xsd:group ref="RoleDescriptionType"		M	See the specifications of element “RoleDescriptionType” for definition
Buyer	xsd:group ref="RoleDescriptionType"		M	See the specifications of element “RoleDescriptionType” for definition
CheckNumber	xsd:string xsd:maxLength value="10"	10	O	
BuyerRemark	type="BuyerRemarkEnum"		O	See the specifications of element “BuyerRemarkEnum” for definition
MainRemark	xsd:string xsd:maxLength value="200"	200	O	Matters required by tax law or other applicable rules shall be provided in this field.
CustomsClearanceMark	type="CustomsClearanceMarkEnum"		O	See the specifications of element “CustomsClearanceMarkEnum” for definition
Category	xsd:string xsd:maxLength value="2"	2	O	
RelateNumber	xsd:string xsd:maxLength value="20"	20	O	
InvoiceType	type="InvoiceTypeEnum"		M	See the specifications of element “InvoiceTypeEnum” for definition
GroupMark	xsd:string xsd:length value="1"	1	O	Separate with “*”
DonateMark	type="DonateMarkEnum"		M	See the specifications of element “DonateMarkEnum” for definition
Attachment	xsd:base64binary minOccurs="0"	1048576	O	

(III) Invoice/Details

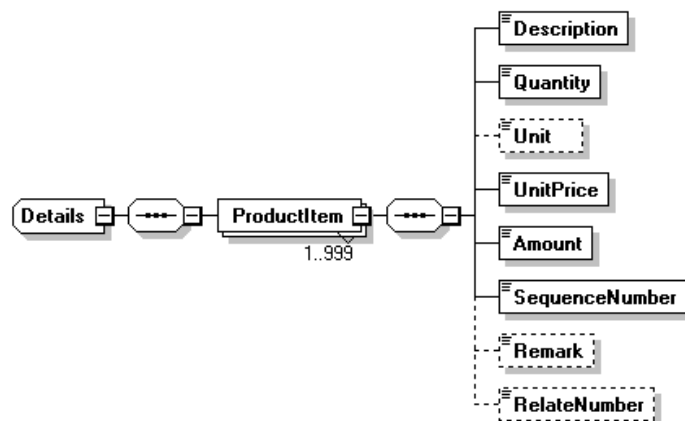


Figure 7: Invoice/Detailmessage structure

Table 22: Specifications of aggregate “Invoice/Details”

Element name	XML Schema syntax	Data length	Necessity	Remark
ProductItem	<xsd:element name="ProductItem" maxOccurs="999">		M	

Table 23: Specifications of element “Invoice/Details/ProductItem”

Element name	XML Schema syntax	Data length	Necessity	Remark
Description	xsd:string xsd:minLength value="1" xsd:maxLength value="256"	256	M	
Quantity	xsd:decimal		M	
Unit	xsd:string maxLength value="6"	6	O	
UnitPrice	xsd:decimal		M	
Amount	xsd:decimal		M	
SequenceNumber	xsd:string xsd:minLength value="1" xsd:maxLength value="3"	3	M	Used by system Sequence number for invoice details
Remark	xsd:string maxLength value="40"	40	O	
RelateNumber	xsd:string maxLength value="20"	20	O	1. To enter the product barcode:{number type code and product code}, the number type codes are: (1) A: HS code (2) Z: other product code (including internal code) 2. Examples: (1) The product code is “HS code”4710110228954, and the information to be uploaded is {A4710110228954} (2) The product code is “other product code (including internal

				code)”2602970677234, and the information to be uploaded is{Z2602970677234}
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(IV) Invoice/Amount

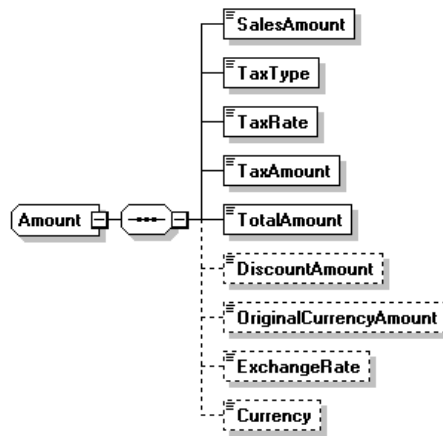


Figure 8: Invoice/Amount message structure

Table 24: Specifications of element “Invoice/Amount”

Element name	XML Schema syntax	Data length	Necessity	Remark
SalesAmount	xsd:decimal		M	Integer (rounded off after decimal point) See note 1 and 2 for how to fill out this field *Note that the sales amount shall not be negative and that tax is not included when the buyer is a business entity.
TaxType	type="TaxTypeEnum"		M	See the specifications of element “TaxTypeEnum” for definition and example.
TaxRate	xsd:decimal		M	Example: enter 0.05 for tax rate of 5%
TaxAmount	xsd:decimal		M	Integer (rounded off after decimal point) See note 1 and 2 for how to fill out this field.
TotalAmount	xsd:decimal		M	Integer *Note that the total amount shall not be negative.
DiscountAmount	xsd:decimal		O	Integer Used by business entities for notes about transaction discounts
OriginalCurrencyAmount	xsd:decimal		O	For remark by business entity
ExchangeRate	xsd:decimal		O	For remark by business entity
Currency	type="CurrencyCodeEnum"	3	O	For remark by business entity; for definition in

Element name	XML Schema syntax	Data length	Necessity	Remark
				detail, see the specifications of element "CurrencyCodeEnum."

Chapter 6. Specifications of A0102 InvoiceConfirm Message

I. Message function

The “InvoiceConfirm Message” is used to transmit relevant data and processing result to the sender (seller) as the receiver (buyer) has received and processed the “Invoice message.” This is a B2B message for the information exchange between business entities. This message is described as follows.

II. Message structure

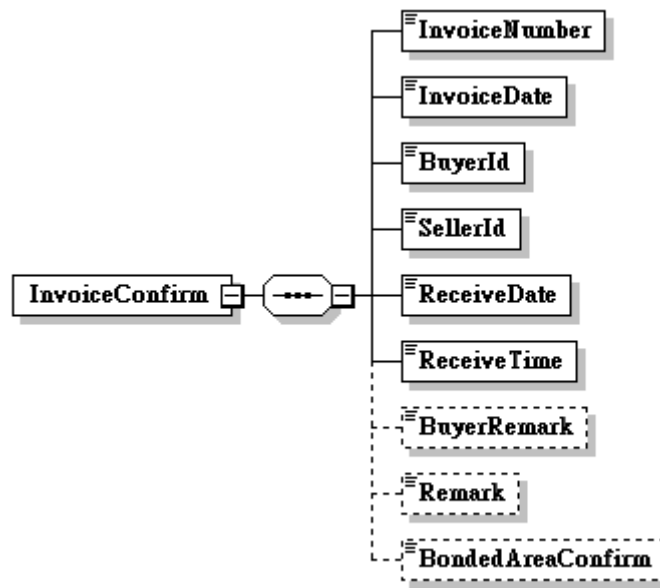


Figure 9: A0102 message structure

III. Message tree

Table 25: A0102 message tree

MIG A0102 / InvoiceConfirm			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	InvoiceConfirm	
2	1	--InvoiceNumber	
3	1	--InvoiceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--ReceiveDate	
7	1	--ReceiveTime	
8	0..1	--BuyerRemark	
9	0..1	--Remark	
10	0..1	--BondedAreaConfirm	

IV. Specifications of elements or aggregates

Table 26: Specifications of element “InvoiceConfirm”

Element name	XML Schema syntax	Data length	Necessity	Remark
InvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example.
InvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
ReceiveDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
ReceiveTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
BuyerRemark	type="BuyerRemarkEnum"		O	See the specifications of element “BuyerRemarkEnum” for definition and example.
Remark	xsd:string xsd:maxLength value="200"	200	O	
BondedAreaConfirm	type="BondedAreaCodeEnum"		O	See the specifications of element “BondedAreaCodeEnum” for definition and example.

Chapter 7. Specifications of B0101 Allowance Message

I. Message function

This message is used for the allowance certificates issued by buyer / seller. It is a B2B message for information exchange between business entities. The contents of B0101 transaction are transmitted through the E-Invoice Platform to the confirming receiver, who uses the B0102 for systematic agreement. This message is described as follows:

B0101 is issued by buyer or seller:

- Buyer issues an allowance certificate: when a seller sells his goods or service and later the goods are returned or replaced or allowance is requested after the uniform invoice is issued, the buyer shall give the seller a certificate for returned or replaced goods or allowance upon the occurrence. However, the name and uniform invoice number of the buyer shown on the original uniform invoice shall be presented.
- Seller issues an allowance certificate: when a seller sells his goods or service and later the goods are returned or replaced or allowance is requested after the uniform invoice is issued, the seller generates a complete allowance certificate upon the occurrence and asks the buyer to acknowledge the receipt of certificate. The purpose of this is to reduce mistakes that may occur when the buyer issues the allowance certificate and improve the book keeping efficiency for both the seller and buyer.

II. Message structure

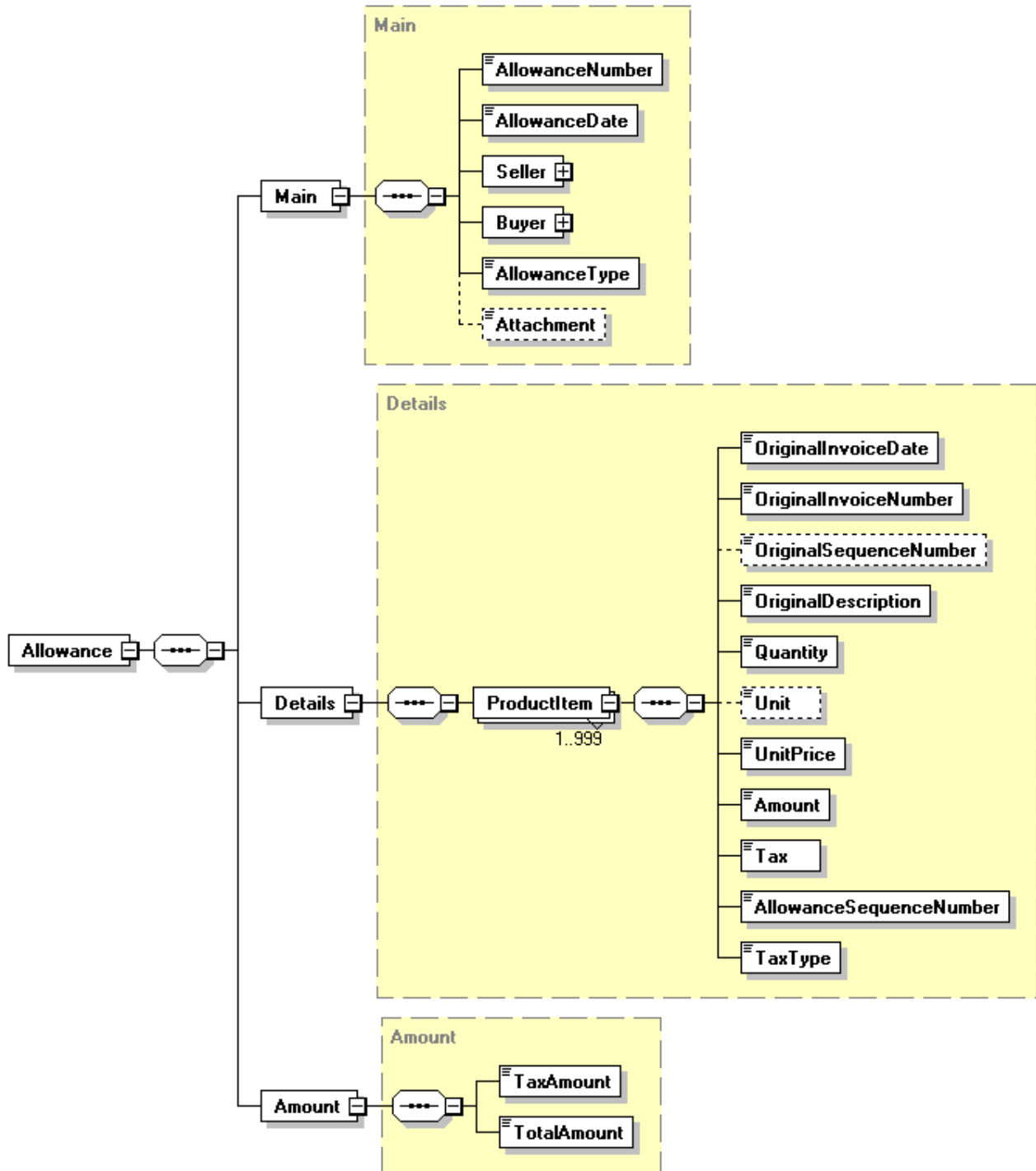


Figure 10: B0101 message structure

III. Message tree

Table 27: B0101 message tree

MIG B0101 / Notification for Allowance Certificate Issuing Confirmation			
Legend:			
Data Grouping/Header Tag - Does not contain information			
MG Line #	Cardinality	Data Element	Usage Note
1	1	Allowance	
2	1	--Main	
3	1	--AllowanceNumber	
4	1	--AllowanceDate	
5	1	--Seller	
6	1	--Identifier	
7	1	--Name	
8	0..1	--Address	
9	0..1	--PersonInCharge	
10	0..1	--TelephoneNumber	
11	0..1	--FacsimileNumber	
12	0..1	--EmailAddress	
13	0..1	--CustomerNumber	
14	1	--Buyer	
15	1	--Identifier	
16	1	--Name	
17	0..1	--Address	
18	0..1	--PersonInCharge	
19	0..1	--TelephoneNumber	
20	0..1	--FacsimileNumber	
21	0..1	--EmailAddress	
22	0..1	--CustomerNumber	
23	1	--AllowanceType	
24	0..1	--Attachment	
25	1	--Details	
26	1..999	--ProductItem	
27	1	--OriginalInvoiceDate	
28	1	--OriginalInvoiceNumber	
29	0..1	--OriginalSequenceNumber	
30	1	--OriginalDescription	
31	1	--Quantity	
32	0..1	--Unit	
33	1	--UnitPrice	
34	1	--Amount	
35	1	--Tax	
36	1	--AllowanceSequenceNumber	
37	1	--TaxType	
38	1	--Amount	
39	1	--TaxAmount	
40	1	--TotalAmount	

IV. Specifications of elements or aggregates

(I) Allowance

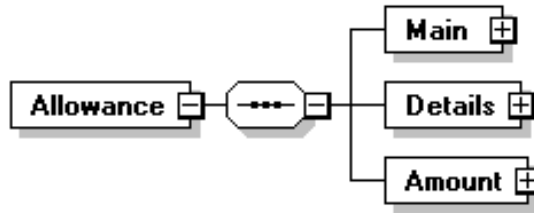


Figure 11: Allowance message structure

Table 28: Specifications of aggregate “Allowance”

Element name	XML Schema syntax	Data length	Necessity	Remark
Main	<xsd:elementname="Main" type="Main"/>		M	
Details	<xsd:elementname="Details" type="Details"/>		M	
Amount	<xsd:elementname="Amount" type="Amount"/>		M	

(II) Allowance/Main

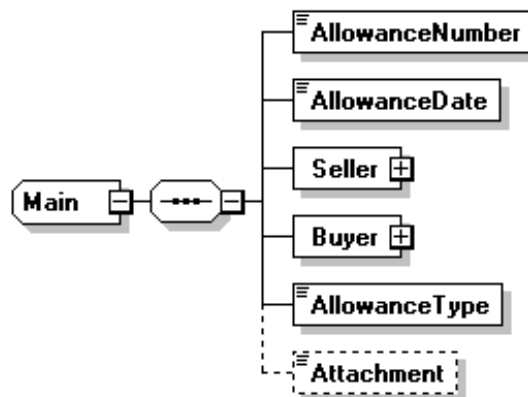


Figure 12: Allowance/Main message structure

Table 29: Specifications of element “Allowance/Main”

Element name	XML Schema syntax	Data length	Necessity	Remark
AllowanceNumber	type="AllowanceNumberType"		M	Used by the issuer’s system; See the specifications of element “AllowanceNumberType” for definition and example.
AllowanceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
Seller	xsd:group ref="RoleDescriptionType"		M	See the specifications of element “RoleDescriptionType” for definition and example.

Buyer	xsd:group ref="RoleDescriptionType"		M	See the specifications of element “RoleDescriptionType” for definition and example.
AllowanceType	type="AllowanceType"		M	See the specifications of element “AllowanceType” for definition and example.
Attachment	xsd:base64binary	1048576	O	

(III) Allowance/Details

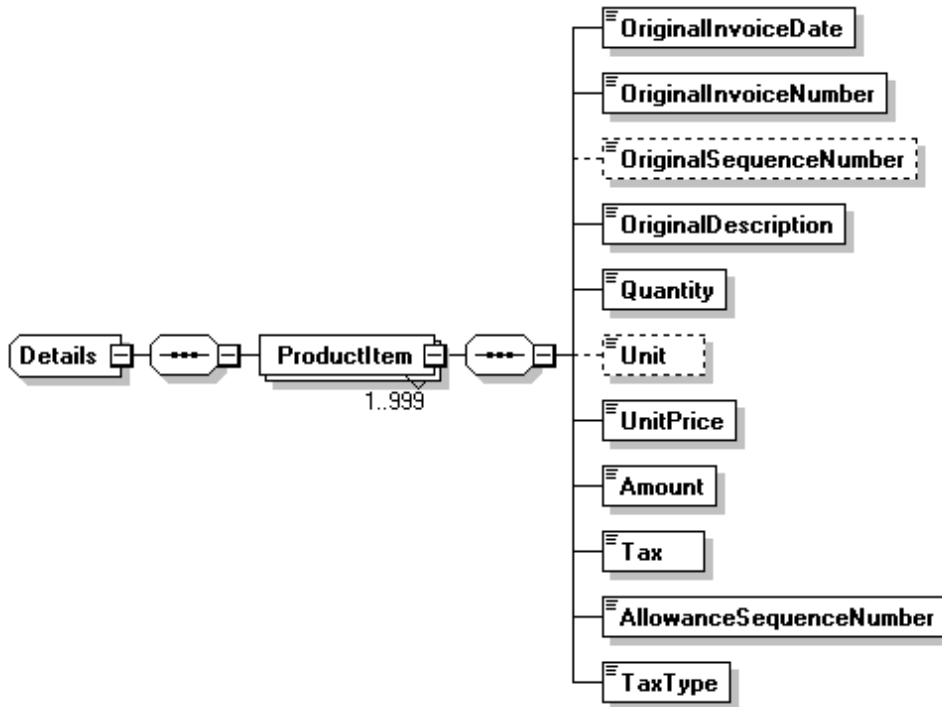


Figure 13: Allowance/Details message structure

Table 30: Specifications of aggregate “Allowance/Details”

Element name	XML Schema syntax	Data length	Necessity	Remark
ProductItem	<xsd:element name="ProductItem" maxOccurs="999">		M	

Table 31: Specifications of element “Allowance/Details/ProductItem”

Element name	XML Schema syntax	Data length	Necessity	Remark
OriginalInvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
OriginalInvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example.
OriginalSequenceNumber	xsd:string xsd:maxLength value="3"	3	O	Corresponds to the sequence number field in the details of original invoice
OriginalDescription	xsd:string xsd:minLength value="1" xsd:maxLength value="256"	256	M	
Quantity	xsd:decimal		M	
Unit	xsd:string xsd:maxLength value="6"	6	O	
UnitPrice	xsd:decimal		M	
Amount(amount of purchase without tax)	xsd:decimal		M	Integer (rounded off after decimal point)
Tax	xsd:decimal		M	Integer (rounded off after decimal point)
AllowanceSequenceNumber	xsd:string xsd:maxLength value="3"	3	M	Used by the system; the sequence number for the details of the allowance certificate
TaxType	type="TaxType"		M	See the specifications of element “TaxTypeEnum” for definition and example.

E-I

(IV) Allowance/Amount

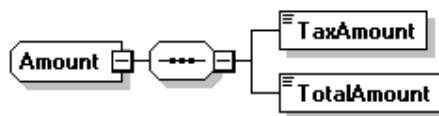


Figure 14: Allowance/Amount message structure

Table 32: Specifications of element “Allowance/Amount”

Element name	XML Schema syntax	Data length	Necessity	Remark
TaxAmount	xsd:decimal		M	Integer
TotalAmount (amount of purchase without tax)	xsd:decimal		M	IntegerInteger

Chapter 8. Specifications of B0102 AllowanceConfirm Message

I. Message function

The “AllowanceConfirm” message is a B2B exchange message used when:

- The receiving end (seller) receives an “Allowance” message, processes it and uses the “AllowanceConfirm” message to respond to the sending end (buyer) with relevant data and processing result.
- The receiving end (buyer) receives an “AllowanceNotification” message, processes it and uses the “AllowanceConfirm” message to respond to the sending end (seller) with relevant data and processing result.

This message is described as follows:

II. Message structure

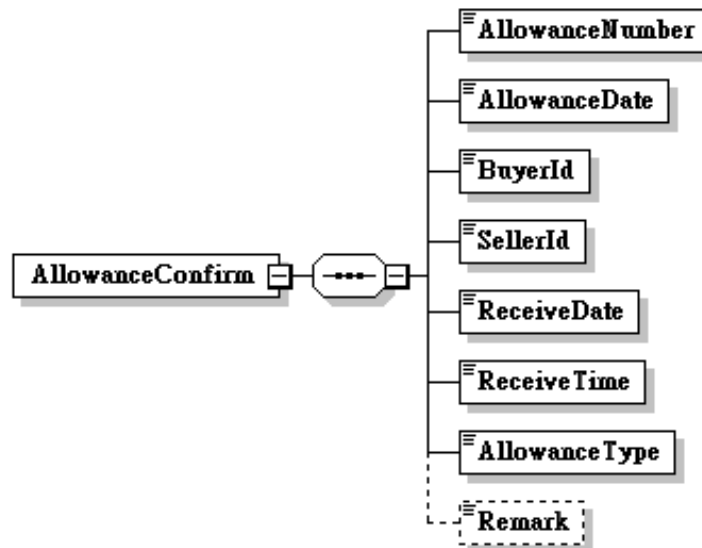


Figure 15: B0102 message structure

III. Message tree

Table 33: B0102 message tree

MIG B0102 / Receipt confirmation notification for allowance certificate issued sent			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	AllowanceConfirm	
2	1	--AllowanceNumber	
3	1	--AllowanceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--ReceiveDate	

7	1	--ReceiveTime	
8	1	--AllowanceType	
9	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 34: Specifications of element “AllowanceConfirm”

Element name	XML Schema syntax	Data length	Necessity	Remark
AllowanceNumber	type="AllowanceNumberType"		M	See the specifications of element “AllowanceNumberType” for definition and example.
AllowanceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
ReceiveDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
ReceiveTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
AllowanceType	type="AllowanceType"		M	See the specifications of element “AllowanceType” for definition and example.
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 9. Specifications of A0201 CancelInvoice Message

I. Message function

The “CancelInvoice” message is used when the goods sold are rejected or a mistake is found in the uniform invoice issued after the seller sells goods or services and issues a uniform invoice to the buyer. The seller cancels the invoice, uploads it to the E-Invoice Platform, and sends this message to the buyer. The buyer, then, completes the systematic exchange agreement with the A0202 CancelInvoiceConfirm message. This is a B2B message used for information exchange between business entities. This message is described as follows:

II. Message structure

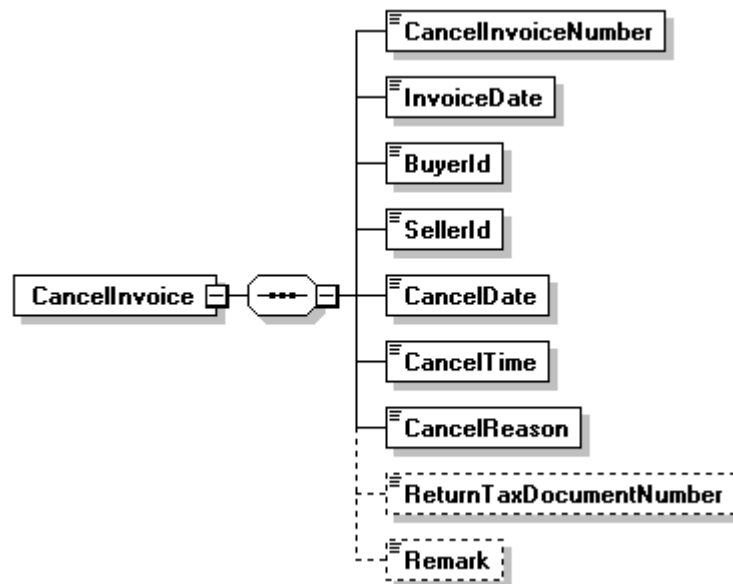


Figure 16: A0201 message structure

III. Message tree

Table 35: A0201 message tree

MIG A0201 / Cancel Invoice			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	CancelInvoice	
2	1	--CancellInvoiceNumber	
3	1	--InvoiceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--CancelDate	
7	1	--CancelTime	

8	1	--CancelReason	
9	0..1	--ReturnTaxDocumentNumber	
10	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 36: Specifications of element “CancelInvoice”

Element name	XML Schema syntax	Data length	Necessity	Remark
CancelInvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example.
InvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
CancelDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
CancelTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
CancelReason	xsd:string xsd:maxLength value="20"	20	M	
ReturnTaxDocumentNumber	xsd:string xsd:maxLength value="60"	60	O	
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 10. Specifications of A0202 CancelInvoiceConfirm Message

I. Message function

The “CancelInvoiceConfirm” message is used to return the relevant data and processing result to the sending end (seller) when the receiving end (buyer) receives and processes a “CancelInvoice” message. It is a B2B message used for information exchange between business entities. This message is described as follows:

II. Message structure

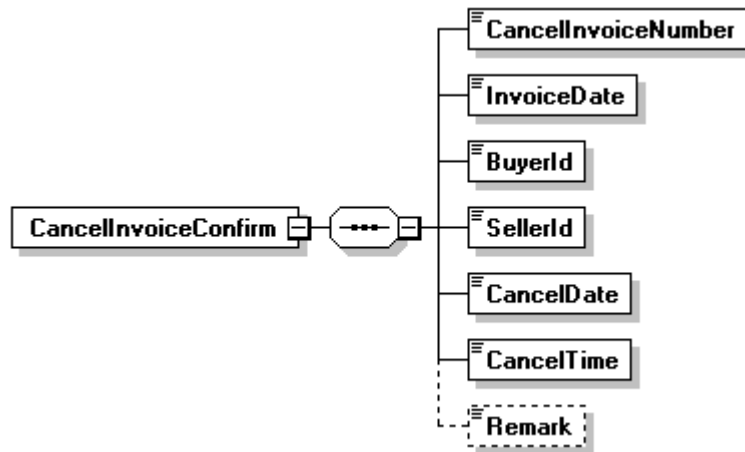


Figure 17: A0202 message structure

III. Message tree

Table 37: A0202 message tree

MIG A0202 / CancelInvoiceConfirm			
Legend:			
Data Grouping/Header Tag - Does not contain information			
MG Line #	Cardinality	Data Element	Usage Note
1	1	CancelInvoiceConfirm	
2	1	--CancelInvoiceNumber	
3	1	--InvoiceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--CancelDate	
7	1	--CancelTime	
8	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 38: Specifications of element “CancelInvoiceConfirm”

Element name	XML Schema syntax	Data length	Necessity	Remark
CancelInvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example.
InvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
CancelDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
CancelTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 11. Specifications of B0201 CancelAllowance Message

I. Message function

The “CancelAllowance” message is used when the goods sold are rejected or replaced or an allowance is issued after the seller sells goods or services and issues a uniform invoice to the buyer. A mistake is found in the allowance certificate after the seller issues a certificate for rejected or replaced goods or allowance. The buyer cancels the allowance certificate, uploads it to the E-Invoice Platform, and sends this message to the seller. The seller, then, completes the systematic exchange agreement with the B0202 CancelAllowanceConfirm message. This is a B2B exchange message, as described below:

II. Message structure

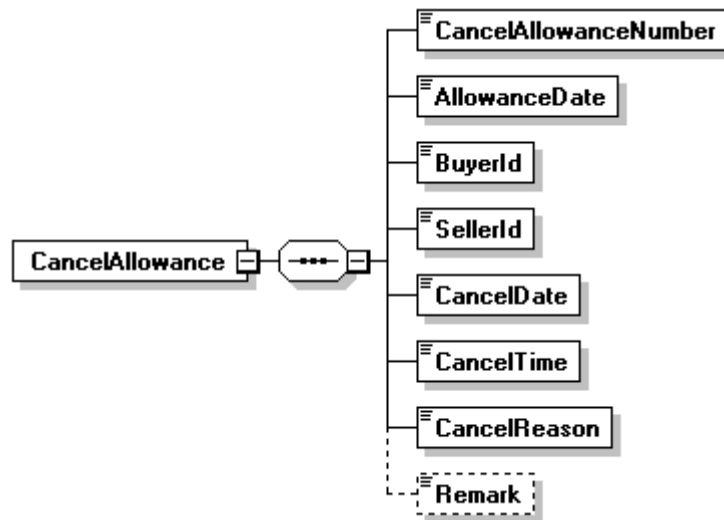


Figure 18: B0201 message structure

III. Message tree

Table 39: B0201 message tree

MIG B0201 / CancelAllowance			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	CancelAllowance	
2	1	--CancelAllowanceNumber	
3	1	--AllowanceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--CancelDate	
7	1	--CancelTime	
8	1	--CancelReason	
9	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 40: Specifications of element “CancelAllowance”

Element name	XML Schema syntax	Data length	Necessity	Remark
CancelAllowanceNumber	type="AllowanceNumberType"		M	See the specifications of element “AllowanceNumberType” for definition and example.
AllowanceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
CancelDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
CancelTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
CancelReason	xsd:string xsd:maxLength value="20"	20	M	
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 12. Specifications for B0202 CancelAllowanceConfirm Message

I. Message function

The “CancelAllowanceConfirm” message is used to send relevant data and processing result to the sending end (buyer) after the receiving end (seller) receives and processes the “CancelAllowance” message. This is a B2B exchange message as described below:

II. Message structure

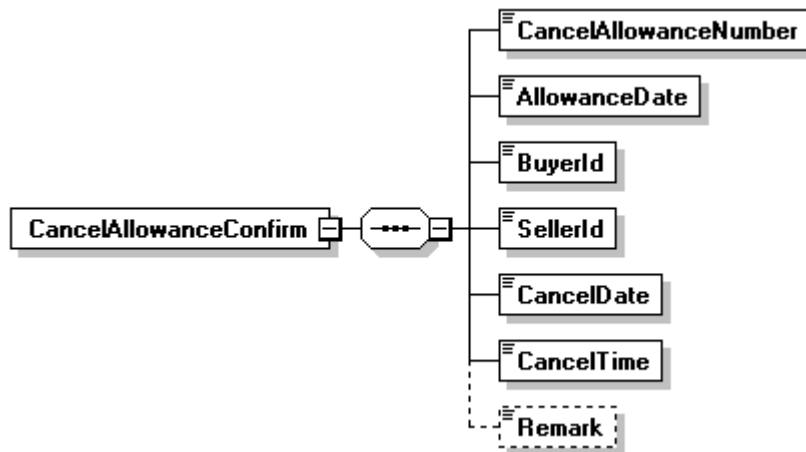


Figure 19: B0202 message structure

III. Message tree

Table 41: B0202 message tree

MIG B0202 / CancelAllowanceConfirm			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	CancelAllowanceConfirm	
2	1	--CancelAllowanceNumber	
3	1	--AllowanceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--CancelDate	
7	1	--CancelTime	
8	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 42: Specifications of element “CancelAllowance”

Element name	XML Schema syntax	Data length	Necessity	Remark
CancelAllowanceNumber	type="AllowanceNumberType"		M	Specifications of element “AllowanceNumberType” for definition and example.
AllowanceDate	type="DateType"		M	Specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	Specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	Specifications of element “BAN” for definition and example.
CancelDate	type="DateType"		M	Specifications of element “DateType” for definition and example.
CancelTime	type="TimeType"		M	Specifications of element “TimeType” for definition and example.
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 13. Specifications of A0301 RejectInvoice Message

I. Message function

The “RejectInvoice” message is used when the buyer spots a mistake in the contents of uniform invoice (e.g. mistake in quantity, unit price or product name) issued by the seller after the seller sells his goods or services. The buyer informs the seller to reject the invoice, uploads it to the E-Invoice Platform, and sends this message to the seller. The seller, then, completes the systematic exchange agreement with A0302 RejectInvoiceConfirm message. This is a B2B message for the information exchange between business entities. This message is described as follows:

II. Message structure

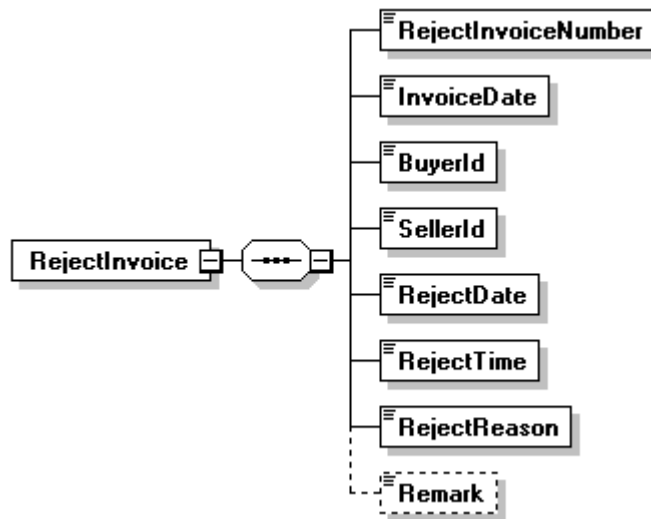


Figure 20: A0301 message structure

III. Message tree

Table 43: A0301 message tree

MIG A0301 / RejectInvoice			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	RejectInvoice	
2	1	--RejectInvoiceNumber	
3	1	--InvoiceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--RejectDate	
7	1	--RejectTime	
8	1	--RejectReason	
9	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 44: Specifications of element “RejectInvoice”

Element name	XML Schema syntax	Data length	Necessity	Remark
RejectInvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example.
InvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
RejectDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
RejectTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
RejectReason	xsd:string xsd:maxLength value="20"	20	M	
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 14. Specifications of A0302 RejectInvoiceConfirm Message

I. Message function

The “RejectInvoiceConfirm” message is used to return the relevant data and processing result to the sending end (buyer) after the receiving end (seller) receives and processes a “RejectInvoice” message. This is a B2B message for information exchange between business entities. This message is described as follows:

II. Message structure

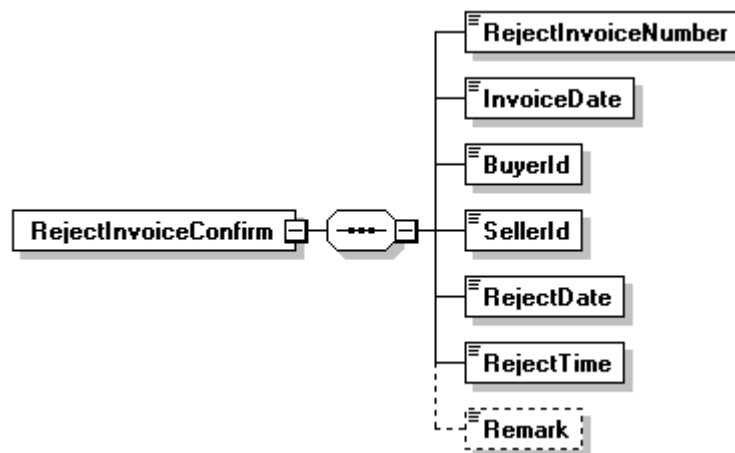


Figure 21: A0302 message structure

III. Message tree

Table 45: A0302 message tree

MIG A0302 / RejectInvoiceConfirm			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	RejectInvoiceConfirm	
2	1	--RejectInvoiceNumber	
3	1	--InvoiceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--RejectDate	
7	1	--RejectTime	
8	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 46: Specifications of element “RejectInvoiceConfirm”

Element name	XML Schema syntax	Data length	Necessity	Remark
RejectInvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example.
InvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
RejectDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
RejectTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 15. Specifications of A0401 Invoice Message for Platform Certification

I. Message function

The “Invoice” message is that the E-Invoice Platform keeps a record of all the data for the uniform invoices issued as the seller sells goods or services and issues uniform invoices. This is a B2B message for information certification for business entities. With the agreement between the seller and buyer, the transactions are converted into the A0401 certificate invoice and uploaded to the E-Invoice Platform. The BuyerRemark and BondedAreaConfirm of the buyer in A0401 come from the information decided by the buyer. This message is described as follows:

II. Message structure

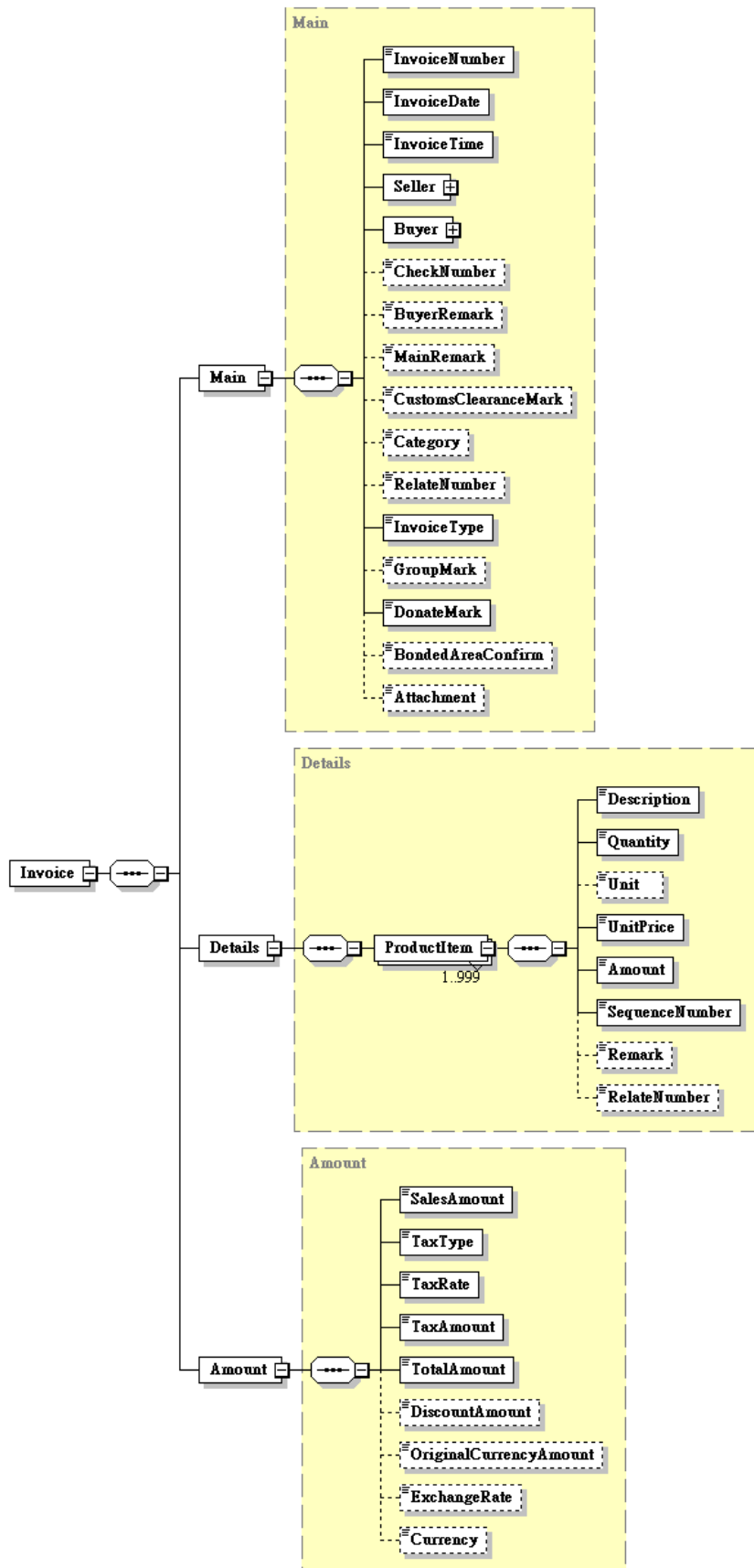


Figure 22: A0401 message structure

III. Message tree

Table 47: A0401 message tree

MIG A0401 Invoice for Platform Certification			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
		Data Grouping/Header Tag - Does not contain information	
1	1	Invoice	
2	1	--Main	
3	1	--InvoiceNumber	
4	1	--InvoiceDate	
5	1	--InvoiceTime	
6	1	--Seller	
7	1	--Identifier	
8	1	--Name	
9	0..1	--Address	
10	0..1	--PersonInCharge	
11	0..1	--TelephoneNumber	
12	0..1	--FacsimileNumber	
13	0..1	--EmailAddress	
14	0..1	--CustomerNumber	
15	0..1	--RoleRemark	
16	1	--Buyer	
17	1	--Identifier	
18	1	--Name	
19	0..1	--Address	
20	0..1	--PersonInCharge	
21	0..1	--TelephoneNumber	
22	0..1	--FacsimileNumber	
23	0..1	--EmailAddress	
24	0..1	--CustomerNumber	
25	0..1	--RoleRemark	
26	0..1	--CheckNumber	
27	0..1	--BuyerRemark	
28	0..1	--MainRemark	
29	0..1	--CustomsClearanceMark	
30	0..1	--Category	
31	0..1	--RelateNumber	
32	1	--InvoiceType	
33	0..1	--GroupMark	
34	1	--DonateMark	
35	0..1	--BondedAreaConfirm	
36	0..1	--Attachment	
37	1	--Details	
38	1..999	--ProductItem	
39	1	--Description	
40	1	--Quantity	
41	0..1	--Unit	

(II) Invoice/Main

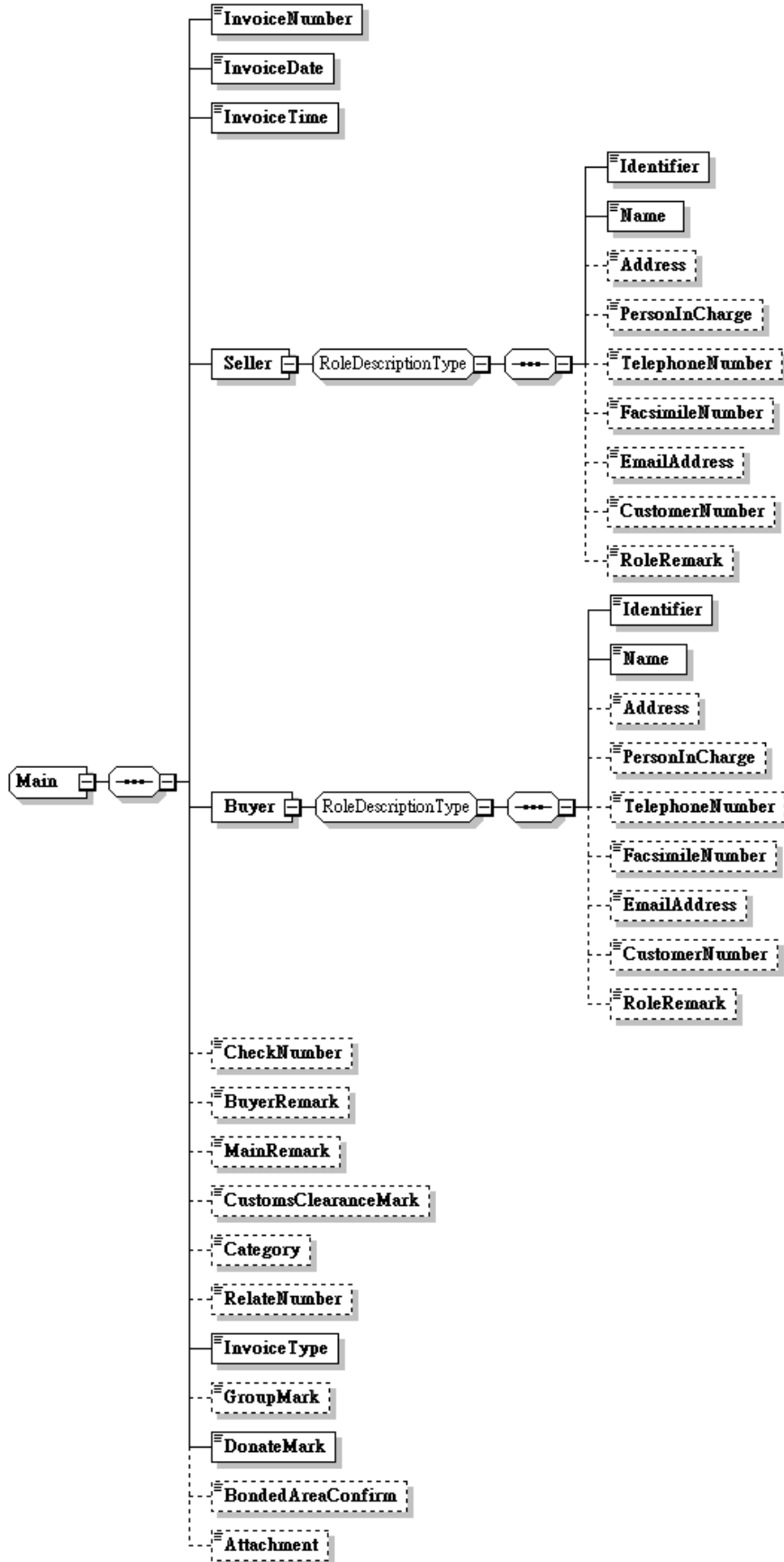


Figure 24: Invoice/Main message structure

Table 49: Specifications of element “Invoice/Main”

Element name	XML Schema syntax	Data length	Necessity	Remark
InvoiceNumber	type="InvoiceNumberType"		M	Specifications of element “InvoiceNumberType” for definition and example.
InvoiceDate	type="DateType"		M	Specifications of element “DateType” for definition and example.
InvoiceTime	type="TimeType"		M	Specifications of element “TimeType” for definition and example.
Seller	xsd:group ref="RoleDescriptionType"		M	See the specifications of element “RoleDescriptionType” for definition.
Buyer	xsd:group ref="RoleDescriptionType"		M	See the specifications of element “RoleDescriptionType” for definition.
CheckNumber	xsd:string xsd:maxLength value="10"	10	O	
BuyerRemark	type="BuyerRemarkEnum"		O	See the specifications of element “BuyerRemarkEnum” for definition.
MainRemark	xsd:string xsd:maxLength value="200"	200	O	Matters required by tax law or other applicable rules shall be provided in this field.
CustomsClearanceMark	type="CustomsClearanceMarkEnum"		O	See the specifications of element “CustomsClearanceMarkEnum” for definition.
Category	xsd:string xsd:maxLength value="2"	2	O	
RelateNumber	xsd:string xsd:maxLength value="20"	20	O	
InvoiceType	type="InvoiceTypeEnum"		M	See the specifications of element “InvoiceTypeEnum” for definition.
GroupMark	xsd:string xsd:length value="1"	1	O	Separate with “*”
DonateMark	type="DonateMarkEnum"		M	See the specifications of element “DonateMarkEnum” for definition.
BondedAreaConfirm	type="BondedAreaCodeEnum"		O	See the specifications of element “BondedAreaCodeEnum” for definition.
Attachment	xsd:base64binary minOccurs="0"	10485 76	O	

(III) Invoice/Details

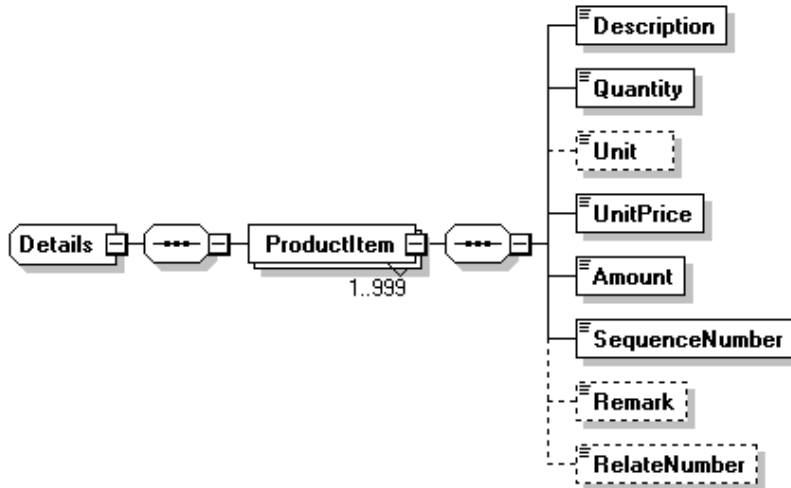


Figure 25: Invoice/Detail message structure

Table 50: Specifications of aggregate “Invoice/Details”

Element name	XML Schema syntax	Data length	Necessity	Remark
ProductItem	<xsd:element name="ProductItem" maxOccurs="999">		M	

Table 51: Specifications of element “Invoice/Details/ProductItem”

Element name	XML Schema syntax	Data length	Necessity	Remark
Description	xsd:string maxLength value="256"	256	M	
Quantity	xsd:decimal		M	
Unit	xsd:string maxLength value="6"	6	O	
UnitPrice	xsd:decimal		M	
Amount	xsd:decimal		M	
SequenceNumber	xsd:string maxLength value="3"	3	M	Used by system Sequence number for invoice details
Remark	xsd:string maxLength value="40"	40	O	
RelateNumber	xsd:string maxLength value="20"	20	O	1. To enter the product barcode: {number type code and product code}, the number type codes are: (1) A: HS code (2) Z: other product code (including internal code) 2. Examples: (1) The product code is “HS code”4710110228954, and the information to be uploaded is {A4710110228954}

				(2) The product code is “other product code (including internal code)”2602970677234, and the information to be uploaded is {Z2602970677234}
--	--	--	--	---

(IV) Invoice/Amount

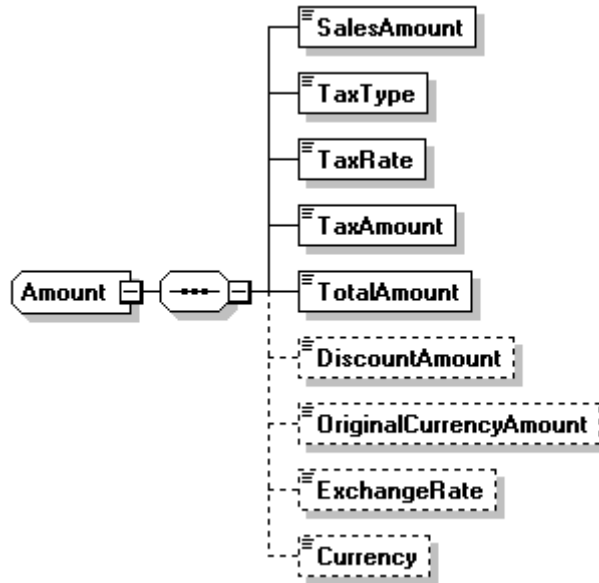


Figure 26: Invoice/Amount message structure

Table 52: Specifications of element “Invoice/Amount”

Element name	XML Schema syntax	Data length	Necessity	Remark
SalesAmount	xsd:decimal		M	Integer (rounded off after decimal point) See note 1 and 2 for how to fill out this field. *Note that the sales amount shall not be negative and that tax is not included when the buyer is a business entity.
TaxType	type="TaxTypeEnum"		M	See the specifications of element “TaxTypeEnum” for definition and example.
TaxRate	xsd:decimal		M	Example: enter 0.05 for tax rate of 5%
TaxAmount	xsd:decimal		M	Integer (rounded off after decimal point) See note 1 and 2 for how to fill out this field.
TotalAmount	xsd:decimal		M	Integer *Note that the total amount shall not be negative.
DiscountAmount	xsd:decimal		O	Integer Used by business entities for notes about transaction discounts
OriginalCurrencyAmount	xsd:decimal		O	For remark by business entity
ExchangeRate	xsd:decimal		O	For remark by business entity
Currency	type="CurrencyCodeEnum"	3	O	For remark by business

				entity; for definition in detail, see the specifications of element "CurrencyCodeEnum."
--	--	--	--	---

Note 1 : Accorded Article 32 of the Value-added and Non-value-added Business Tax Act specifies "Where a business entity calculates the output tax pursuant to Article 14, if the purchaser is a business entity, the output tax and the sales amount shall be stated separately on the uniform invoice; if the purchaser is not a business entity, the uniform invoice shall be issued at the list price." The contents of invoice uploaded to the E-Invoice Platform shall be consistent with those of the invoices issued.

Note 2 : Accorded Article 14 of the Value-added and Non-value-added Business Tax Act specifies "Except as otherwise prescribed in Section 2 of this Chapter, business entities shall calculate the output tax based on all sales amounts of goods and services, in accordance with the tax rates prescribed in Article 7 or 10 and round up to the nearest New Taiwan Dollar. The output tax is defined as the amount of business tax to be collected in accordance with this Act by the business entity at the time of selling goods or services."E-I

Chapter 16. Specifications of B0401 Allowance Message for Platform Certification

I. Message function

This message is used by buyer for issuing an allowance certificate and by seller for issuing an allowance notification. It is a B2B message for the information certification between business entities.

- Buyer issues an allowance certificate: when a seller sells his goods or service and later the goods are returned or replaced or allowance is requested after the uniform invoice is issued, the buyer shall give the seller a certificate for returned or replaced goods or allowance upon the occurrence. However, the name and uniform invoice number of the buyer shown on the original uniform invoice shall be presented.
- Seller issues an allowance certificate: when a seller sells his goods or service and later the goods are returned or replaced or allowance is requested after the uniform invoice is issued, the seller generates a complete allowance certificate upon the occurrence and asks the buyer to acknowledge the receipt of certificate. The purpose of this is to reduce mistakes that may occur when the buyer issues the allowance certificate and improve the book keeping efficiency for both the seller and buyer.
- With the agreement between the seller and buyer, the transactions are converted into the B0401 certificate invoice and uploaded to the E-Invoice Platform. (See Article 5 of the Rules for Implementation of Electronic Uniform Invoices.)

This message is described as follows:

II. Message structure

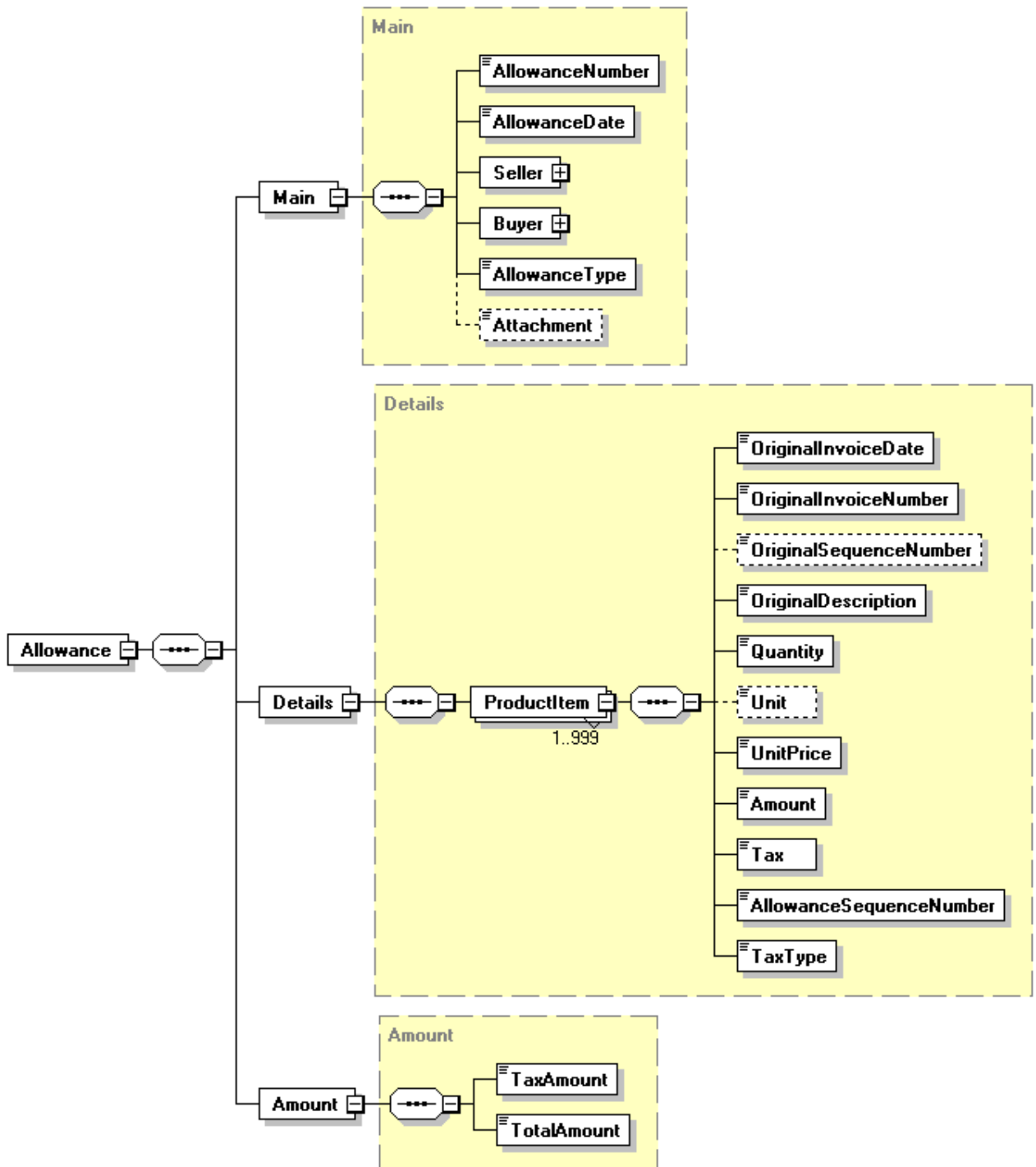


Figure 27: B0401 message structure

III. Message tree

Table 53: B0401 message tree

MIG B0401 / Allowance issuing transmission for Platform Certification			
Legend:			
Data Grouping/Header Tag - Does not contain information			
MG Line #	Cardinality	Data Element	Usage Note
1	1	Allowance	
2	1	--Main	
3	1	--AllowanceNumber	
4	1	--AllowanceDate	
5	1	--Seller	
6	1	--Identifier	
7	1	--Name	
8	0..1	--Address	
9	0..1	--PersonInCharge	
10	0..1	--TelephoneNumber	
11	0..1	--FacsimileNumber	
12	0..1	--EmailAddress	
13	0..1	--CustomerNumber	
14	1	--Buyer	
15	1	--Identifier	
16	1	--Name	
17	0..1	--Address	
18	0..1	--PersonInCharge	
19	0..1	--TelephoneNumber	
20	0..1	--FacsimileNumber	
21	0..1	--EmailAddress	
22	0..1	--CustomerNumber	
23	1	--AllowanceType	
24	0..1	--Attachment	
25	1	--Details	
26	1..999	--ProductItem	
27	1	--OriginalInvoiceDate	
28	1	--OriginalInvoiceNumber	
29	0..1	--OriginalSequenceNumber	
30	1	--OriginalDescription	
31	1	--Quantity	
32	0..1	--Unit	
33	1	--UnitPrice	
34	1	--Amount	
35	1	--Tax	
36	1	--AllowanceSequenceNumber	
37	1	--TaxType	
38	1	--Amount	
39	1	--TaxAmount	
40	1	--TotalAmount	

IV. Specifications of elements or aggregates

(I) Allowance

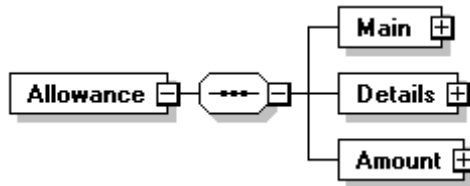


Figure 28: Allowance message structure

Table 54: Specifications of aggregate “Allowance”

Element name	XML Schema syntax	Data length	Necessity	Remark
Main	<xsd:elementname="Main" type="Main"/>		M	
Details	<xsd:elementname="Details" type="Details"/>		M	
Amount	<xsd:elementname="Amount" type="Amount"/>		M	

(II) Allowance/Main

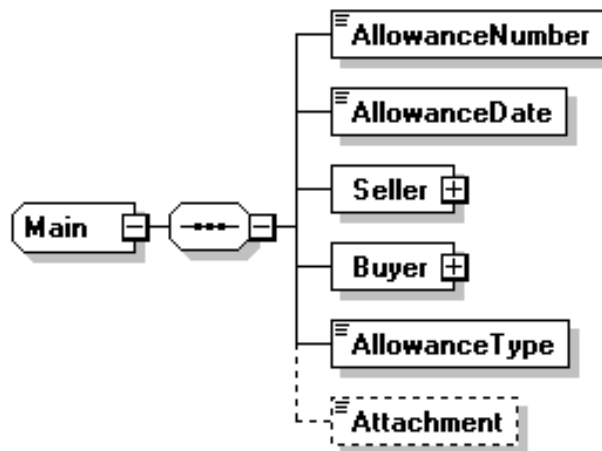


Figure 29: Allowance/Main message structure

Table 55: Specifications of element “Allowance/Main”

Element name	XML Schema syntax	Data length	Necessity	Remark
AllowanceNumber	type="AllowanceNumberType"		M	Used by the system of issuer; See the specifications of element “AllowanceNumberType” for definition
AllowanceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
Seller	xsd:group		M	See the specifications of

	ref="RoleDescriptionType"			element "RoleDescriptionType" for definition
Buyer	xsd:group ref="RoleDescriptionType"		M	See the specifications of element "RoleDescriptionType" for definition
AllowanceType	type="AllowanceType"		M	See the specifications of element "AllowanceType" for definition
Attachment	xsd:base64binary	10485 76	O	

(III) Allowance/Details

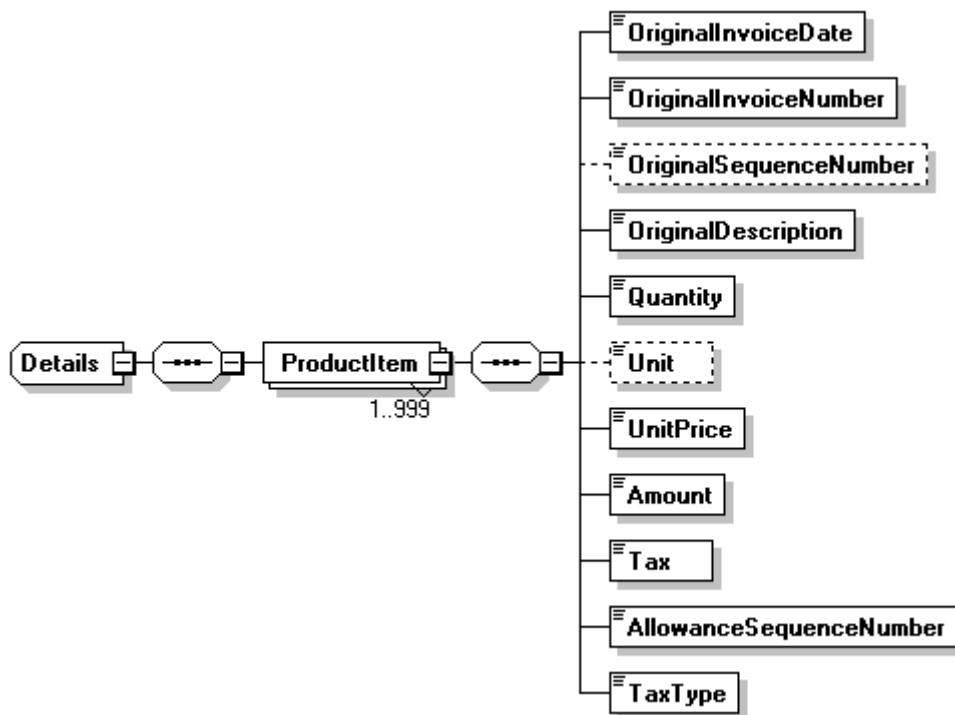


Figure 30: Allowance/Details message structure

Table 56: Specifications of aggregate "Allowance/Details"

Element name	XML Schema syntax	Data length	Necessity	Remark
ProductItem	<xsd:element name="ProductItem" maxOccurs="999">		M	

Table 57: Specifications of element "Allowance/Details/ProductItem"

Element name	XML Schema syntax	Data length	Necessity	Remark
OriginalInvoiceDate	type="DateType"		M	See the specifications of element "DateType" for definition and example.
OriginalInvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element "InvoiceNumberType"

Element name	XML Schema syntax	Data length	Necessity	Remark
				for definition and example.
OriginalSequenceNumber	xsd:string xsd:maxLength value="3"	3	O	Corresponds to the sequence number field in the details of original invoice
OriginalDescription	xsd:string xsd:maxLength value="256"	256	M	
Quantity	xsd:decimal		M	
Unit	xsd:string xsd:maxLength value="6"	6	O	
UnitPrice	xsd:decimal		M	
Amount (amount of purchase without tax)	xsd:decimal		M	Integer (rounded off after decimal point)
Tax	xsd:decimal		M	Integer (rounded off after decimal point)
AllowanceSequenceNumber	xsd:string xsd:maxLength value="3"	3	M	Used by the system; the sequence number for the details of the allowance certificate
TaxType	type="TaxType"		M	See the specifications of element "TaxTypeEnum" for definition and example.

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(IV) Allowance/Amount

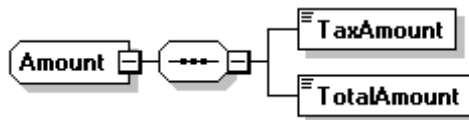


Figure 31: Allowance/Amount message structure

Table 58: Specifications of element "Allowance/Amount"

Element name	XML Schema syntax	Data length	Necessity	Remark
TaxAmount	xsd:decimal		M	Integer
TotalAmount	xsd:decimal		M	Integer

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Chapter 17. Specifications of A0501 CancelInvoice Message for Platform Certification

I. Message function

- The “CancelInvoice” message is used to allow the platform keep a record of invoices cancelled by the seller and inform of all the buyer’s records. It is a B2B message for the certification of cancelled invoices for business entities. With the agreement between the seller and buyer, the transactions are converted into the A0501CancelInvoice and uploaded to the E-Invoice Platform. This message is described as follows:

II. Message structure

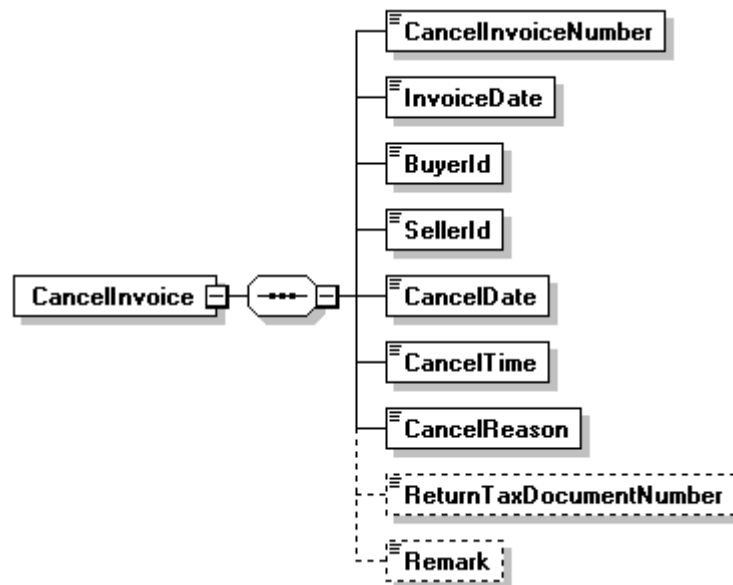


Figure 32: A0501 message structure

III. Message tree

Table 59: A0501 message tree

MIG A0501 / CancelInvoice for Platform Certification			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	CancelInvoice	
2	1	--CancelInvoiceNumber	
3	1	--InvoiceDate	
4	1	--BuyerId	
5	1	--SellerId	

6	1	--CancelDate	
7	1	--CancelTime	
8	1	--CancelReason	
9	0..1	--ReturnTaxDocumentNumber	
10	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 60: Specifications of element “CancelInvoice”

Element name	XML Schema syntax	Data length	Necessity	Remark
CancelInvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example.
InvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
CancelDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
CancelTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
CancelReason	xsd:string xsd:maxLength value="20"	20	M	
ReturnTaxDocumentNumber	xsd:string xsd:maxLength value="60"	60	O	
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 18. Specifications of B0501CancelAllowance for Platform Certification B0501

I. Message function

The “CancelAllowance” message is used when the goods sold are rejected or replaced or an allowance is issued after the seller sells goods or services and issues a uniform invoice to the buyer. A mistake is found in the certificate after the seller issues a certificate for rejected or replaced goods or allowance. The buyer cancels the allowance certificate and informs the seller. This is a B2B message for the certification of information for business entities. With the agreement between the seller and buyer, the transactions are converted into the B0501CancelAllowance and uploaded to the E-Invoice Platform. (See Article 5 of the Rules for Implementation of Electronic Uniform Invoices.) This message is described as follows:

II. Message structure

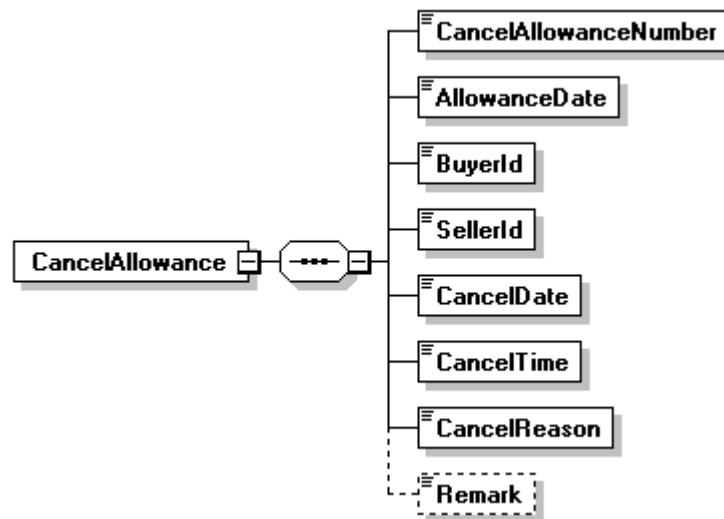


Figure 33: B0501 message structure

III. Message tree

Table 61: B0501 message tree

MIG B0501 / CancelAllowance for platform certification			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	CancelAllowance	
2	1	--CancelAllowanceNumber	
3	1	--AllowanceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--CancelDate	
7	1	--CancelTime	
8	1	--CancelReason	
9	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 62: Specifications of element "CancelAllowance"

Element name	XML Schema syntax	Data length	Necessity	Remark
CancelAllowanceNumber	type="AllowanceNumberType"		M	See the specifications of element "AllowanceNumberType" for definition.
AllowanceDate	type="DateType"		M	See the specifications of element "DateType" for definition and example.
BuyerId	type="BAN"		M	See the specifications of element "BAN" for definition and example.
SellerId	type="BAN"		M	See the specifications of element "BAN" for definition and example.
CancelDate	type="DateType"		M	See the specifications of element "DateType" for definition and example.
CancelTime	type="TimeType"		M	See the specifications of element "TimeType" for definition and example.
CancelReason	xsd:string xsd:maxLength value="20"	20	M	
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 19. Specifications of A0601 RejectInvoice Message for Platform Certification

I. Message function

The “RejectInvoice” message is used when the buyer spots a mistake in the contents of uniform invoice (e.g. mistake in quantity, unit price or product name) issued by the seller after the seller sells his goods or services. The buyer informs the seller to reject the invoice. The seller confirms the RejectInvoice message to complete the systematic exchange agreement. The seller uploads the certification of agreement result to the E-Invoice Platform and this particular invoice is considered an invoice cancelled by the buyer. This is a B2B message for the certification of the rejection for business entities. With the agreement between the seller and buyer with the rejected invoice, the transactions are converted into the A0601RejectInvoice and uploaded to the E-Invoice Platform. This message is described as follows:

II. Message structure

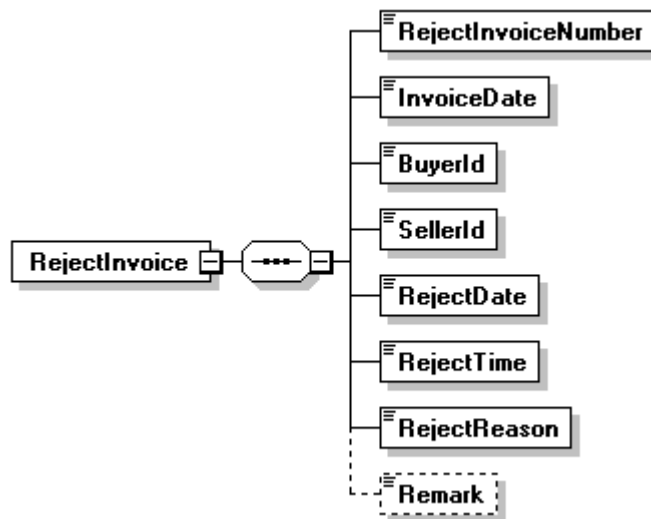


Figure 34: A0601 message structure

III. Message tree

Table 63: A0601 message tree

MIG A0601 /RejectInvoice for Platform Certification			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	RejectInvoice	
2	1	--RejectInvoiceNumber	
3	1	--InvoiceDate	

4	1	--BuyerId	
5	1	--SellerId	
6	1	--RejectDate	
7	1	--RejectTime	
8	1	--RejectReason	
9	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 64: Specifications of element “RejectInvoice”

Element name	XML Schema syntax	Data length	Necessity	Remark
RejectInvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example.
InvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
RejectDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
RejectTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
RejectReason	xsd:string xsd:maxLength value="20"	20	M	
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 20. Specifications of C0401 Invoice Message for Platform Certification

I. Message function

The “Invoice” message is that the E-Invoice Platform keeps a record of all the data for the uniform invoices issued as the seller sells goods or services and issues uniform invoices. This is a B2C message for the certification of information for business entities.

This message is described as follows:

II. Message structure

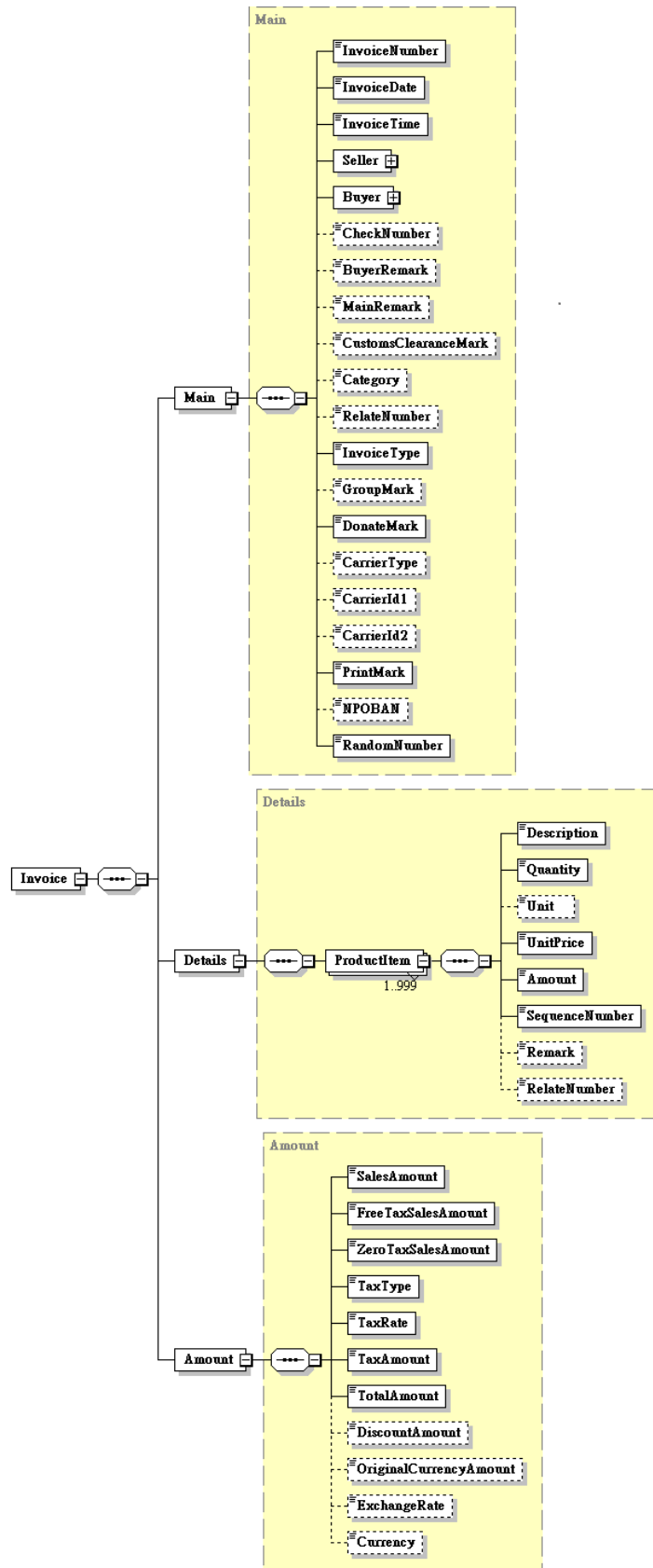


Figure 35: C0401 message structure

III. Message tree

Table 65: C0401 message tree

MIG C0401 Invoice for platform certification			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
		Data Grouping/Header Tag - Does not contain information	
1	1	Invoice	
2	1	--Main	
3	1	--InvoiceNumber	
4	1	--InvoiceDate	
5	1	--InvoiceTime	
6	1	--Seller	
7	1	--Identifier	
8	1	--Name	
9	0..1	--Address	N/A
10	0..1	--PersonInCharge	N/A
11	0..1	--TelephoneNumber	N/A
12	0..1	--FacsimileNumber	N/A
13	0..1	--EmailAddress	N/A
14	0..1	--CustomerNumber	N/A
15	0..1	--RoleRemark	N/A
16	1	--Buyer	
17	1	--Identifier	
18	1	--Name	
19	0..1	--Address	N/A
20	0..1	--PersonInCharge	N/A
21	0..1	--TelephoneNumber	N/A
22	0..1	--FacsimileNumber	N/A
23	0..1	--EmailAddress	N/A
24	0..1	--CustomerNumber	N/A
25	0..1	--RoleRemark	N/A
26	0..1	--CheckNumber	N/A
27	0..1	--BuyerRemark	N/A
28	0..1	--MainRemark	N/A
29	0..1	--CustomsClearanceMark	N/A
30	0..1	--Category	N/A
31	0..1	--RelateNumber	N/A
32	1	--InvoiceType	
33	0..1	--GroupMark	N/A
34	1	--DonateMark	
35	0..1	--CarrierType	N/A
36	0..1	--CarrierId1	N/A
37	0..1	--CarrierId2	N/A
38	1	--PrintMark	
39	0..1	--NPOBAN	N/A
40	1	--RandomNumber	
41	1	--Details	

42	1..999			--ProductItem	
43	1			--Description	
44	1			--Quantity	
45	0..1			--Unit	N/A
46	1			--UnitPrice	
47	1			--Amount	
48	1			--SequenceNumber	
49	0..1			--Remark	N/A
50	0..1			--RelateNumber	N/A
51	1			--Amount	
52	1			--SalesAmount	
53	1			--FreeTaxSalesAmount	
54	1			--ZeroTaxSalesAmount	
55	1			--TaxType	
56	1			--TaxRate	
57	1			--TaxAmount	
58	1			--TotalAmount	
59	0..1			--DiscountAmount	N/A
60	0..1			--OriginalCurrencyAmount	N/A
61	0..1			--ExchangeRate	N/A
62	0..1			--Currency	N/A

Note: for the tag shown in the table above, if N/A is presented in Usage Note, it means no data is available for this tag, and this tag can be omitted along with the xml tag for uploading.

IV. Specifications of elements or aggregates

(I) Invoice

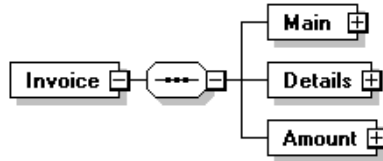


Figure 36: Invoice message structure

Table 66: Specifications of aggregate “Invoice”

Element name	XML Schema syntax	Data length	Necessity	Remark
Main	<xsd:elementname="Main" type="Main"/>		M	
Details	<xsd:elementname="Details " type="Details"/>		M	
Amount	<xsd:elementname="Amount" type="Amount"/>		M	

(II) Invoice/Main

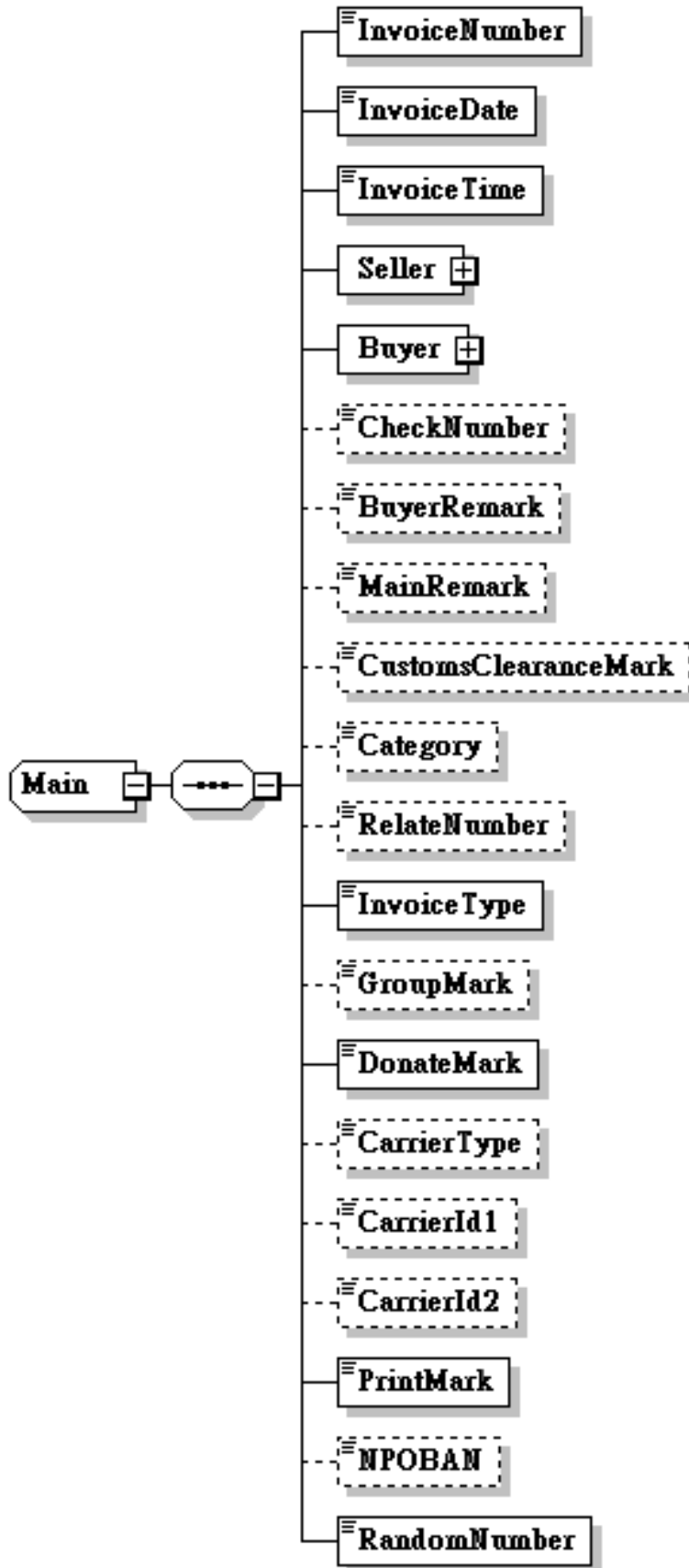


Figure 37: Invoice/Main message structure

Table 67: Specifications of element “Invoice/Main”

Element name	XML Schema syntax	Data length	Necessity	Remark
InvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example.
InvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
InvoiceTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
Seller	xsd:group ref="RoleDescriptionType"		M	See the specifications of element “RoleDescriptionType” for definition.
Buyer	xsd:group ref="RoleDescriptionType"		M	See the specifications of element “RoleDescriptionType” for definition.
CheckNumber	xsd:string xsd:maxLength value="1"	1	O	This field is not transmitted if the buyer is provided with the certificate of an electronic uniform invoice. Enter “P” if a physical uniform invoice, not an electronic one, is provided.
BuyerRemark	type="BuyerRemarkEnum"		O	See the specifications of element “BuyerRemarkEnum” for definition.
MainRemark	xsd:string xsd:maxLength value="200"	200	O	Matters required by tax law or other applicable rules shall be provided in this field.
CustomsClearanceMark	type="CustomsClearanceMarkEnum"		O	See the specifications of element “CustomsClearanceMarkEnum” for definition.
Category	xsd:string xsd:maxLength value="2"	2	O	
RelateNumber	xsd:string xsd:maxLength value="20"	20	O	
InvoiceType	type="InvoiceTypeEnum"		M	See the specifications of element “InvoiceTypeEnum” for definition.
GroupMark	xsd:string xsd:length value="1"	1	O	Separate with “*”
DonateMark	type="DonateMarkEnum"		M	See the specifications of element “DonateMarkEnum” for definition. The NPOBAN shall not be left blank if DonateMark is 1.
CarrierType	type="CarrierTypeEnum"		O	See the specifications of element “CarrierTypeEnum” for definition and example.

Element name	XML Schema syntax	Data length	Necessity	Remark
				<p>Enter the carrier type code issued by the E-Invoice Number. Coding rules: the first digit is business type (alphanumeric), the second carrier type (alphanumeric) and the last 4 serial number. This field is skipped if no carrier is used. For customers requesting with a cell phone barcode (including buyer's uniform invoice number which contains 8 digits and is not 00000000), the PrintMark is Y.</p>
CarrierId1	<p>xsd:string xsd:maxLength value="64"</p>	64	O	<p>Enter the carrier ID, which is the number shown on the card. If the carrier is a credit card, enter the date of purchase (ROC year format, 7 digits in total) and purchase amount (10 digits; add zeroes to the left if the amount contains fewer than 10 digits). If the certificate of an electronic uniform invoice is marked as Y, this field has to be left blank; if not, the PrintMark has to be N. This field is required no matter what the PrintMark is if a customer requests invoice with a cell phone barcode (including the request for an invoice shown with the buyer's uniform invoice number). No space, full- or half-width, shall be left before and behind the value entered.</p>
CarrierId2	<p>xsd:string xsd:maxLength value="64"</p>	64	O	<p>Enter the CarrierId2. For business entities, the original data obtained by the reading tool shall be entered. Enter the encrypted card number if the carrier type is credit card. This field must be left blank if PrintMark is Y; if not, the PrintMark shall be N. This field is required no matter what the PrintMark is if a customer requests invoice</p>

Element name	XML Schema syntax	Data length	Necessity	Remark
				with a cell phone barcode (including the request for an invoice shown with the buyer's uniform invoice number). No space, full- or half-width, shall be left before and behind the value entered.
PrintMark	xsd:string xsd:minLength value="1" xsd:maxLength value="1" xsd:pattern value="[Y,N]"	1	M	Y/N; when PrintMark is Y, CarrierType, CarrierId1 and CarrierId2 must be left blank and the DonateMark must be 0. The CarrierType, CarrierId1 and CarrierId2 are required if a customer requests invoice with a cell phone barcode (including the request for an invoice shown with the buyer's uniform invoice number) regardless what PrintMark is.
NPOBAN	type="BAN"		O	See the specifications of element "BAN" for definition and example. Please provide the "complete" donated code, which is a number containing 3 to 7 digits.
RandomNumber	xsd:string xsd:minLength value="4" xsd:maxLength value="4" xsd:pattern value="[0-9,A][0-9,A][0-9,A][0-9,A]"	4	M	A 4-digit number generated randomly at the moment of transaction; rejected if fewer than 4 digits.

(III) Invoice/Details

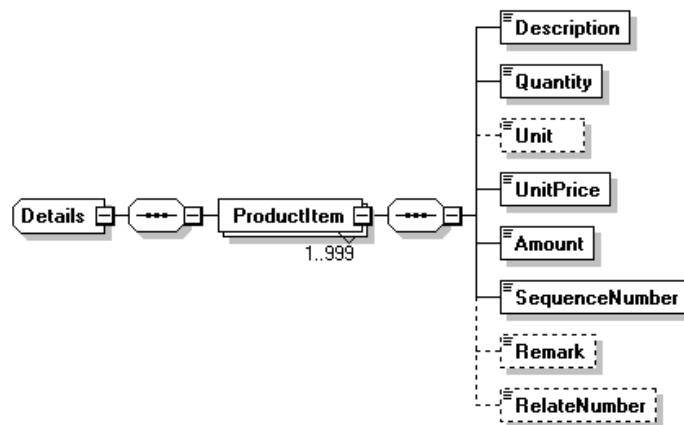


Figure 38: Invoice/Detail message structure

Table 68: Specifications of aggregate "Invoice/Details"

Element name	XML Schema syntax	Data length	Necessity	Remark
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ProductItem	<xsd:element name="ProductItem" maxOccurs="999">		M	
-------------	--	--	---	--

Table 69: Specifications of element “Invoice/Details/ProductItem”

Element name	XML Schema syntax	Data length	Necessity	Remark
Description	xsd:string maxLength value="256"	256	M	
Quantity	xsd:decimal		M	
Unit	xsd:string maxLength value="6"	6	O	
UnitPrice	xsd:decimal		M	Cross-border E-Commerce Suppliers see note 2 for how to fill out this field
Amount	xsd:decimal		M	Cross-border E-Commerce Suppliers see note 2 for how to fill out this field
SequenceNumber	xsd:string maxLength value="3"	3	M	Used by system Sequence number for invoice details
Remark	xsd:string maxLength value="40"	40	O	Enter “health surcharge” in this field if it is as such.
RelateNumber	xsd:string maxLength value="20"	20	O	1. To enter the product barcode: {number type code and product code}, the number type codes are: (1) A: HS code (2) Z: other product code (including internal code) 2. Examples: (1) The product code is “HS code” 4710110228954, and the information to be uploaded is {A4710110228954} (2) The product code is “other product code (including internal code)”2602970677234, and the information to be uploaded is {Z2602970677234}

(IV) Invoice/Amount

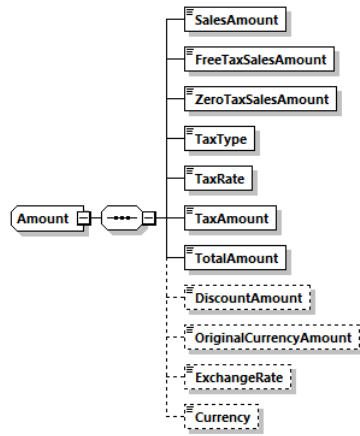


Figure 39: Invoice/Amount message structure

Table 70: Specifications of element “Invoice/Amount”

Element name	XML Schema syntax	Data length	Necessity	Remark
SalesAmount	xsd:decimal		M	<ol style="list-style-type: none"> Integer (rounded off after decimal point). See note 1 and 2 for how to fill out this field. For Cross-border E-commerce suppliers who calculate in foreign currency, please calculate to 2 decimal places at most, and if it's in New Taiwan Dollars, it should be a Integer (rounded off after decimal point). Enter “0” if no such transaction <p>* Note that the sales amount shall not be negative.</p>
FreeTaxSalesAmount	xsd:decimal		M	<ol style="list-style-type: none"> It should be a Integer (rounded off after decimal point) if it's calculated in New Taiwan Dollars.; Enter 0 if no such transaction <p>* Note that the sales amount shall not be negative.</p>
ZeroTaxSalesAmount	xsd:decimal		M	<ol style="list-style-type: none"> It should be a Integer (rounded off after decimal point) if it's calculated in New Taiwan Dollars. Enter 0 if no such

Element name	XML Schema syntax	Data length	Necessity	Remark
				transaction * Note that the sales amount shall not be negative.
TaxType	type="TaxTypeEnum"		M	See the specifications of element "TaxTypeEnum" for definition and example.
TaxRate	xsd:decimal		M	Example: enter 0.05 for tax rate of 5%
TaxAmount	xsd:decimal		M	It should be a Integer (rounded off after decimal point) if it's calculated in New Taiwan Dollars. See note 1 and 2 for how to fill out this field.
TotalAmount	xsd:decimal		M	<ol style="list-style-type: none"> Integer, See note 1 and 2 for how to fill out this field. For Cross-border E-commerce suppliers who calculate in foreign currency, please calculate to 2 decimal places at most, and if it's in New Taiwan Dollars, it should be a Integer (rounded off after decimal point). <p>*Note that the total amount shall not be negative.</p>
DiscountAmount	xsd:decimal		O	Integer Used by business entities for notes about transaction discounts
OriginalCurrencyAmount	xsd:decimal		O	For remark by business entity
ExchangeRate	xsd:decimal		O	For remark by business entity
Currency	type="CurrencyCodeEnum"	3	O	<ol style="list-style-type: none"> For remark by business entity; for definition in detail, see the specifications of element "CurrencyCodeEnum." This is required for Cross-border E-Commerce Suppliers. See note for how to fill out this field. If UnitPrice, Amount, TotalAmount calculated in New Taiwan Dollar, enter TWD; If they are calculated in foreign

Element name	XML Schema syntax	Data length	Necessity	Remark
				currency, enter CurrencyCode. (See the specifications of element "CurrencyCodeEnum" for definition and example.)

E-I

Note 1 : Accorded Article 32 of the Value-added and Non-value-added Business Tax Act specifies “Where a business entity calculates the output tax pursuant to Article 14, if the purchaser is a business entity, the output tax and the sales amount shall be stated separately on the uniform invoice; if the purchaser is not a business entity, the uniform invoice shall be issued at the list price.” The contents of invoice uploaded to the E-Invoice Platform shall be consistent with those of the invoices issued.

Note:2

- Accorded Article 14 of the Value-added and Non-value-added Business Tax Act specifies “Except as otherwise prescribed in Section 2 of this Chapter, business entities shall calculate the output tax based on all sales amounts of goods and services, in accordance with the tax rates prescribed in Article 7 or 10 and round up to the nearest New Taiwan Dollar. The output tax is defined as the amount of business tax to be collected in accordance with this Act by the business entity at the time of selling goods or services.”
- The stated Cross-border E-commerce Suppliers refer to business entities stated on Article 6, paragraph 4, of Value-added and Non-value-added Business Tax Act..
- Cross-border E-Commerce Suppliers should comply with Paragraph 5, Article9 Regulations Governing the Use of Uniform Invoices “The certain requirements and particulars recorded in the cloud invoices which are issued by business entities prescribed in Subparagraph 4, Article 6 of the Act may be in a foreign language; the actual date may be displayed in the Christian Era; the unit price, item subtotal, and total amount may be listed in foreign currency, but the business entities shall add its source.”.

Chapter 21. Specifications of C0501 CancelInvoice for Platform Certification

I. Message function

The “CancelInvoice” message is used when the goods sold are rejected or a mistake is found in the uniform invoice issued after the seller sells goods or services and issues a uniform invoice to the buyer. The seller cancels the invoice and informs the buyer. This is a B2Cmessage used for information certification for business entities. This message is described as follows:

II. Message structure

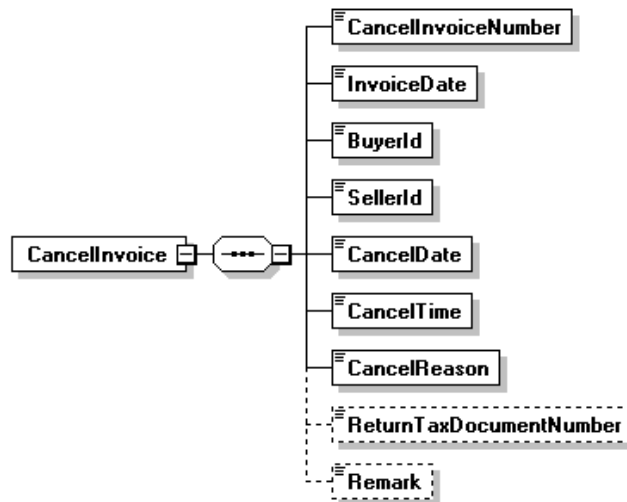


Figure 40: C0501 message structure

III. Message tree

Table 71: C0501 message tree

MIG C0501 / CancelInvoice for Platform Certification			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	CancelInvoice	
2	1	--CancelInvoiceNumber	
3	1	--InvoiceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--CancelDate	
7	1	--CancelTime	
8	1	--CancelReason	
9	0..1	--ReturnTaxDocumentNumber	
10	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 72: Specifications of element “CancelInvoice”

Element name	XML Schema syntax	Data length	Necessity	Remark
CancelInvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example.
InvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
CancelDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
CancelTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
CancelReason	xsd:string xsd:maxLength value="20"	20	M	Length as least 1
ReturnTaxDocumentNumber	xsd:string xsd:maxLength value="60"	60	O	
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 22. Specifications of C0701 VoidInvoice Message for Platform Certification

I. Message function

The “VoidInvoice” message is a B2C message for the voided certification for business entities. This message is described as follows:

II. Message structure

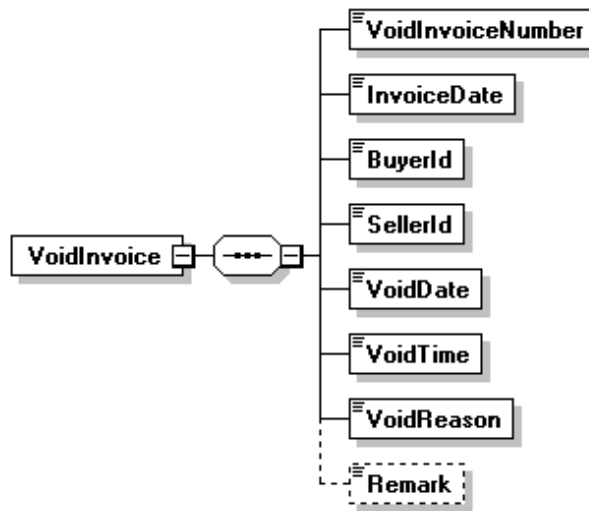


Figure 41: C0701 message structure

III. Message tree

Table 73: C0701 message tree

MIG C0701 / VoidInvoice for Platform Certification			
Legend:			
Data Grouping/Header Tag - Does not contain information			
MG Line #	Cardinality	Data Element	Usage Note
1	1	VoidInvoice	
2	1	--VoidInvoiceNumber	
3	1	--InvoiceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--VoidDate	
7	1	--VoidTime	
8	1	--VoidReason	
9	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 74: Specifications of element “VoidInvoice”

Element name	XML Schema syntax	Data length	Necessity	Remark
VoidInvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element “InvoiceNumberType” for definition and example.
InvoiceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
VoidDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
VoidTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
VoidReason	xsd:string xsd:maxLength value="20"	20	M	Length at least 1
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 23. Specifications of D0401 Allowance Message for Platform Certification

I. Message function

This message is used by seller to provide an allowance form for the buyer to fill out. Both the seller and buyer check and agree on the allowance form, and the seller uploads the form to the E-Invoice Platform. This is a B2C message used by business entities for information certification. This message is described as follows:

II. Message structure

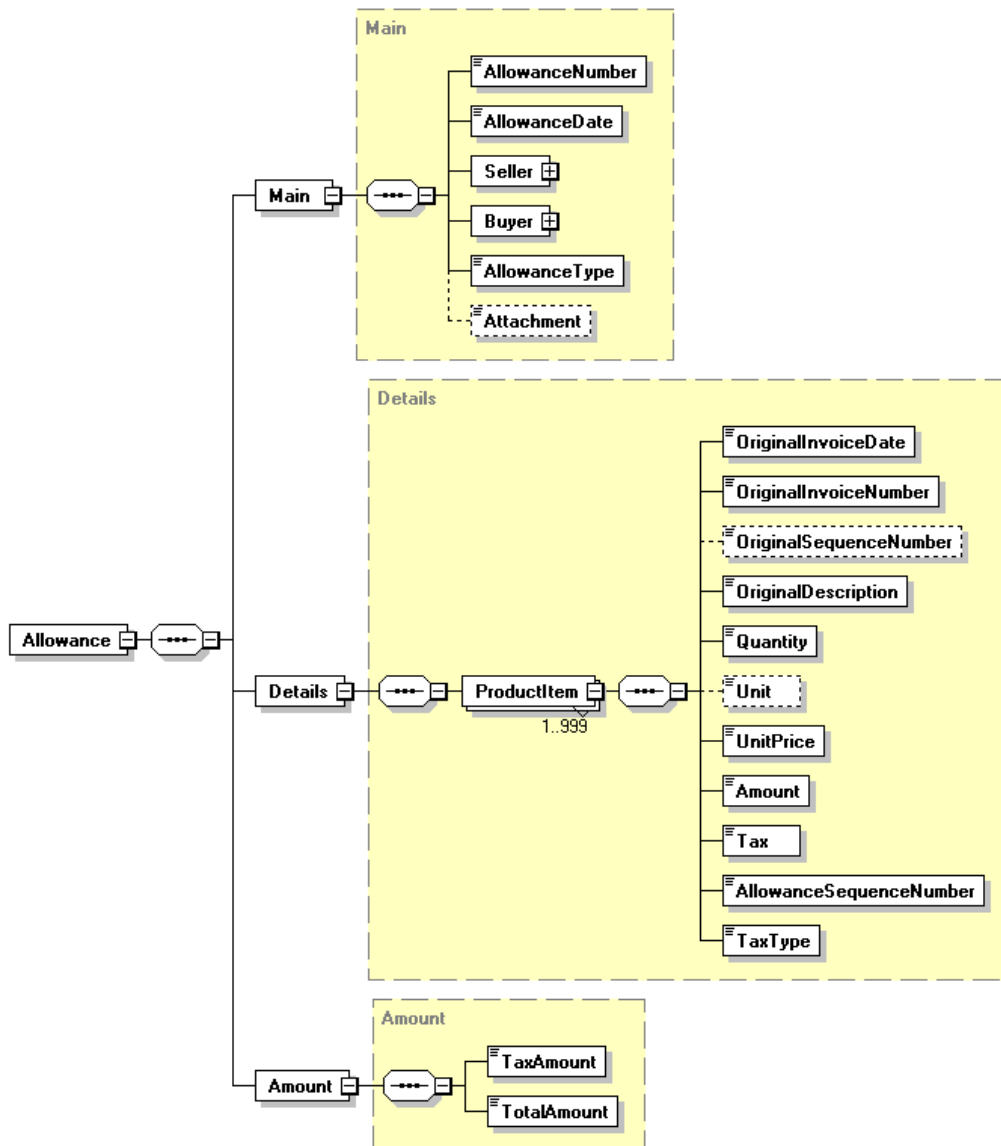


Figure 42: D0401 message structure

III. Message tree

Table 75: D0401 message tree

MIG D0401 / Allowance issuing transmission for Platform Certification			
Legend:			
Data Grouping/Header Tag - Does not contain information			
MG Line #	Cardinality	Data Element	Usage Note
1	1	Allowance	
2	1	--Main	
3	1	--AllowanceNumber	
4	1	--AllowanceDate	
5	1	--Seller	
6	1	--Identifier	
7	1	--Name	
8	0..1	--Address	
9	0..1	--PersonInCharge	
10	0..1	--TelephoneNumber	
11	0..1	--FacsimileNumber	
12	0..1	--EmailAddress	
13	0..1	--CustomerNumber	
14	1	--Buyer	
15	1	--Identifier	
16	1	--Name	
17	0..1	--Address	
18	0..1	--PersonInCharge	
19	0..1	--TelephoneNumber	
20	0..1	--FacsimileNumber	
21	0..1	--EmailAddress	
22	0..1	--CustomerNumber	
23	1	--AllowanceType	
24	0..1	--Attachment	
24	1	--Details	
25	1..999	--ProductItem	
26	1	--OriginalInvoiceDate	
27	1	--OriginalInvoiceNumber	
28	0..1	--OriginalSequenceNumber	
29	1	--OriginalDescription	
30	1	--Quantity	
31	0..1	--Unit	
32	1	--UnitPrice	
33	1	--Amount	
34	1	--Tax	
35	1	--AllowanceSequenceNumber	
36	1	--TaxType	
37	1	--Amount	
38	1	--TaxAmount	
39	1	--TotalAmount	

IV. Specifications of elements or aggregates

(I) Allowance

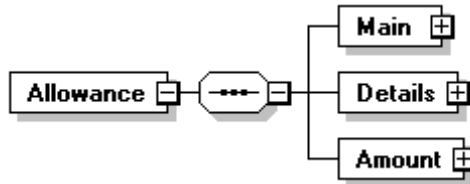


Figure 43: Allowance message structure

Table 76: Specifications of aggregate “Allowance”

Element name	XML Schema syntax	Data length	Necessity	Remark
Main	<xsd:elementname="Main" type="Main"/>		M	
Details	<xsd:elementname="Details" type="Details"/>		M	
Amount	<xsd:elementname="Amount" type="Amount"/>		M	

(II) Allowance/Main

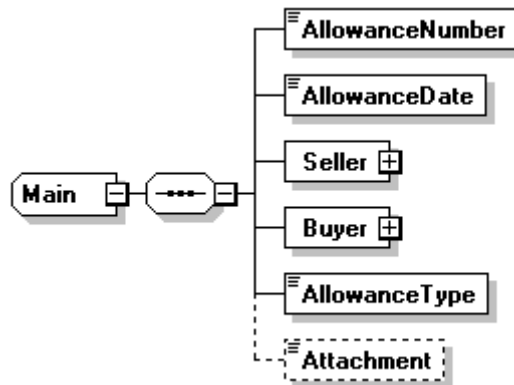


Figure 44: Allowance/Main message structure

Table 77: Specifications of element “Allowance/Main”

Element name	XML Schema syntax	Data length	Necessity	Remark
AllowanceNumber	type="AllowanceNumberType"		M	Used by the issuer’s system; See the specifications of element “AllowanceNumberType” for definition.
AllowanceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
Seller	xsd:group ref="RoleDescriptionType"		M	See the specifications of element “RoleDescriptionType” for definition.

Buyer	xsd:group ref="RoleDescriptionType"		M	See the specifications of element "RoleDescriptionType" for definition.
AllowanceType	type="AllowanceType"		M	See the specifications of element "AllowanceType" for definition.
Attachment	xsd:base64binary	10485 76	O	

(III) Allowance/Details

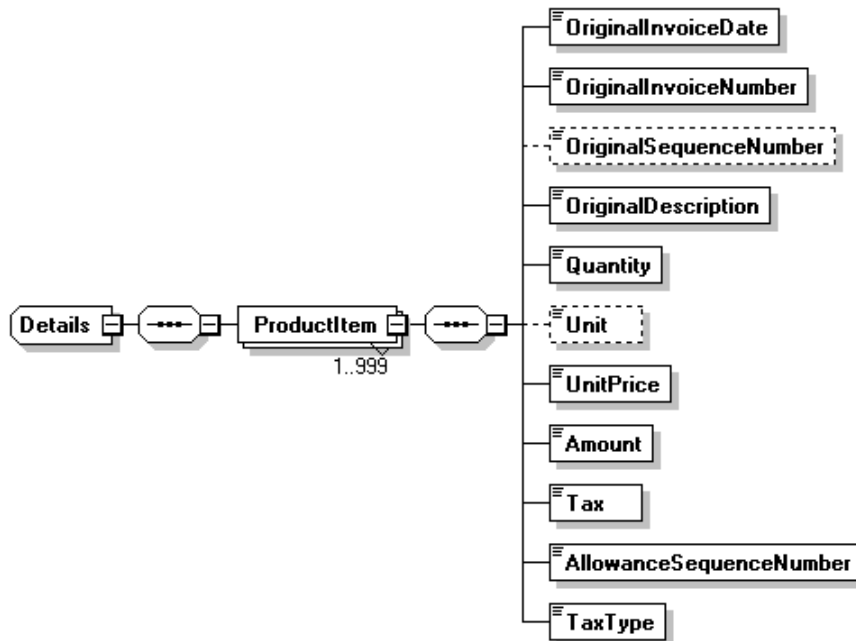


Figure 45: Allowance/Details message structure

Table 78: Specifications of aggregate "Allowance/Details"

Element name	XML Schema syntax	Data length	Necessity	Remark
ProductItem	<xsd:element name="ProductItem" maxOccurs="999">		M	

Table 79: Specifications of element "Allowance/Details/ProductItem"

Element name	XML Schema syntax	Data length	Necessity	Remark
OriginalInvoiceDate	type="DateType"		M	See the specifications of element "DateType" for definition and example.
OriginalInvoiceNumber	type="InvoiceNumberType"		M	See the specifications of element "InvoiceNumberType" for definition and example.
OriginalSequenceNumber	xsd:string xsd:maxLength value="3"	3	O	Corresponds to the sequence number field in the details of original invoice

Element name	XML Schema syntax	Data length	Necessity	Remark
OriginalDescription	xsd:string xsd:maxLength value="256"	256	M	
Quantity	xsd:decimal		M	
Unit	xsd:string xsd:maxLength value="6"	6	O	
UnitPrice	xsd:decimal		M	Cross-border E-Commerce Suppliers see note for how to fill out this field
Amount(amount of purchase without tax)	xsd:decimal		M	1. Domestic suppliers fill amount of purchase without tax, should be Integer(rounded off after decimal point). 2. For Cross-border E-commerce suppliers who calculate in foreign currency(with tax), please calculate to 2 decimal places at most, and if it's in New Taiwan Dollars, it should be a Integer (rounded off after decimal point).
Tax	xsd:decimal		M	1. Integer (rounded off after decimal point). See note for how to fill out this field. 2. Cross-border E-Commerce Suppliers enter 0
AllowanceSequenceNumber	xsd:string xsd:maxLength value="3"	3	M	Used by the system; the sequence number for the details of the allowance certificate
TaxType	type="TaxType"		M	See the specifications of element "TaxTypeEnum" for definition.

E-I Note:

- Accorded Article 14 of the Value-added and Non-value-added Business Tax Act specifies "Except as otherwise prescribed in Section 2 of this Chapter, business entities shall calculate the output tax based on all sales amounts of goods and services, in accordance with the tax rates prescribed in Article 7 or 10 and round up to the nearest New Taiwan Dollar. The output tax is defined as the amount of business tax to be collected in accordance with this Act by the business entity at the time of selling goods or services."
- Cross-border E-Commerce Supplier is business entity which determined by Paragraph 4, Article 6 of Value-added and Non-value-added Business Tax Act.
Cross-border E-Commerce Suppliers accord with Paragraph 5, Article 9 Regulations Governing the Use of Uniform Invoices "The certain requirements and particulars recorded in the cloud invoices which are issued by business entities prescribed in Subparagraph 4, Article 6 of the Act may be in a foreign language; the

actual date may be displayed in the Christian Era; the unit price, item subtotal, and total amount may be listed in foreign currency, but the business entities shall add its source.”.

(IV) Allowance/Amount

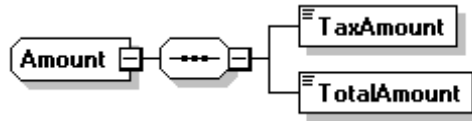


Figure 46: Allowance/Amount message structure

Table 80: Specifications of element “Allowance/Amount”

Element name	XML Schema syntax	Data length	Necessity	Remark
TaxAmount	xsd:decimal		M	1. Integer 2. Cross-border E-Commerce Suppliers enter 0
TotalAmount(amount of purchase without tax)	xsd:decimal		M	1. Domestic suppliers fill amount of purchase without tax, should be Integer 2. For Cross-border E-commerce suppliers who calculate in foreign currency(with tax), please calculate to 2 decimal places at most, and if it’s in New Taiwan Dollars, it should be a Integer.

E-I

Chapter 24. Specifications of D0501 CancelAllowance Message for Platform Certification

I. Message function

The “CancelAllowance” message is a B2C message used by business entities for information certification, as described below.

II. Message structure

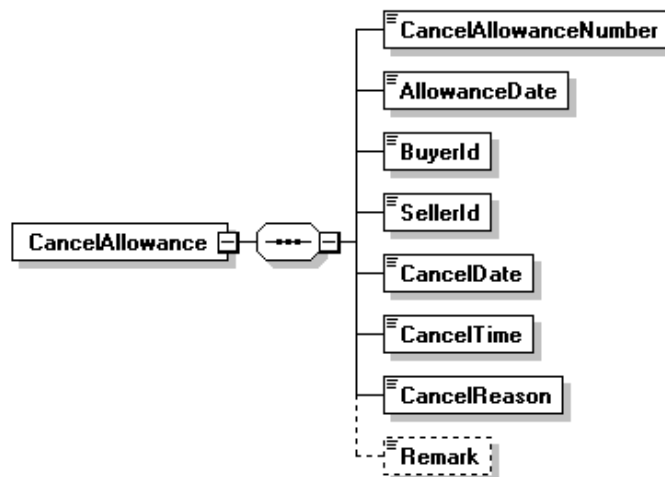


Figure 47: D0501 message structure

III. Message tree

Table 81: D0501 message tree

MIG D0501 /CancelAllowance for Platform Certifications			
Legend:			
Data Grouping/Header Tag - Does not contain information			
MG Line #	Cardinality	Data Element	Usage Note
1	1	CancelAllowance	
2	1	--CancelAllowanceNumber	
3	1	--AllowanceDate	
4	1	--BuyerId	
5	1	--SellerId	
6	1	--CancelDate	
7	1	--CancelTime	
8	1	--CancelReason	
9	0..1	--Remark	

IV. Specifications of elements or aggregates

Table 82: Specifications of element “CancelAllowance”

Element name	XML Schema syntax	Data length	Necessity	Remark
CancelAllowanceNumber	type="AllowanceNumberType"		M	See the specifications of element “AllowanceNumberType” for definition.
AllowanceDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
BuyerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
SellerId	type="BAN"		M	See the specifications of element “BAN” for definition and example.
CancelDate	type="DateType"		M	See the specifications of element “DateType” for definition and example.
CancelTime	type="TimeType"		M	See the specifications of element “TimeType” for definition and example.
CancelReason	xsd:string xsd:maxLength value="20"	20	M	Length at least 1
Remark	xsd:string xsd:maxLength value="200"	200	O	

Chapter 25. E0401 BranchTrack

I. Message function

The “BranchTrack” is used in the case that the alphabetic letters dedicated for electronic uniform invoices of a business entity’s head office and other fixed business places (referred to as branches) may be given to the head office together, and the head office uploads the beginning and end numbers distributed to the branches the E-Invoice Platform using this message format on a regular basis. For the remaining alphabetic letters ranges of invoice serial numbers left after distribution to branches, these numbers shall belong to the head office and must be uploaded as well.

The head office may also authorize a value-added center to upload this message format to the E-Invoice Platform on its behalf. If the platform receives alphabetic letters range of serial numbers distributed to branches with repeated BranchTrack/Main, the data transmitted previously will be removed and those transmitted later will be saved in the database.

For example: there are two branch offices, A and B, under the head office. The head office receives 20 booklets of invoices for the invoice period 10606 with the numbers ranging from AB00001000 to AB00001999, 10 booklets for each of A and B. The head office shall upload the following to the E-Invoice Platform:

```
<BranchTrack>
  <Main>
    <HeadBan>head office tax ID number</HeadBan>
    <BranchBan>branch A tax ID number </BranchBan>
    <InvoiceType>07</InvoiceType>
    <YearMonth>10606</YearMonth>
    <InvoiceTrack>AB</InvoiceTrack>
    <InvoiceBeginNo>00001000</InvoiceBeginNo>  <!-- consistent with branch track setting -->
    <InvoiceEndNo>00001999</InvoiceEndNo>    <!--consistent with branch track setting -->
  </Main>
  <Details>
    <BranchTrackItem>
      <InvoiceBeginNo>00001000</InvoiceBeginNo>  <!--assign to branch A-->
      <InvoiceEndNo>00001499</InvoiceEndNo>
      <InvoiceBooklet>10</InvoiceBooklet>
    </BranchTrackItem>
  </Details>
</BranchTrack>
```

This message is described as follows for the E-Invoice Platform:

II. Message structure

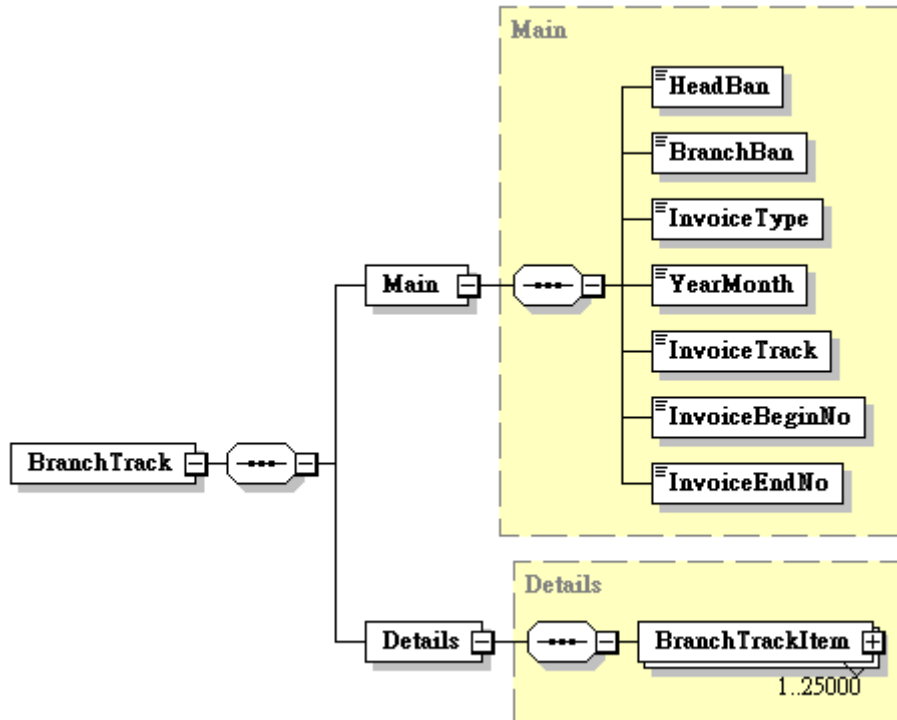


Figure 48: E0401 message structure

III. Message tree

Table 83: E0401 message tree

MIG E0401 BranchTrack			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	BranchTrack	
2	1	--Main	
3	1	--HeadBan	
4	1	--BranchBan	
5	1	--YearMonth	
6	1	--InvoiceTrack	
7	1	--InvoiceBeginNo	
8	1	--InvoiceEndNo	
9	1	--InvoiceType	
10	1	--Details	
11	1...25000	--BranchTrackItem	
12	1	--InvoiceBeginNo	
13	1	-- InvoiceEndNo	
14	1	--InvoiceBooklet	

IV. Specifications of elements or aggregates

(I) BranchTrack

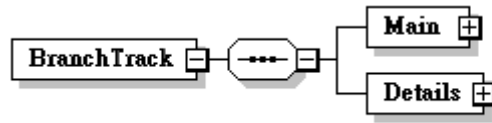


Figure 49: BranchTrack message structure

Table 84: Specifications of aggregate “BranchTrack”

Element name	XML Schema syntax	Data length	Necessity	Remark
Main	<xsd:elementname="Main" type="Main"/>		M	
Details	<xsd:elementname="Details" type="Details"/>		M	

(II) BranchTrack/Main

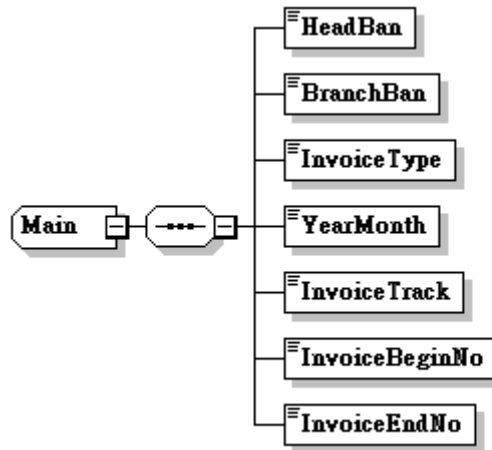


Figure 50: BranchTrack /Main message structure

Table 85: Specifications of element “BranchTrack/Main”

Element name	XML Schema syntax	Data length	Necessity	Remark
HeadBan	type="BAN"		M	See the specifications of element “BAN” for definition and example.
BranchBan	type="BAN"		M	See the specifications of element “BAN” for definition and example. For the remaining alphabetic letters ranges of invoice serial numbers left after distribution to branches, these numbers shall belong to the head office, and therefore the head office’s uniform invoice number shall be provided in this field.
InvoiceType	type="InvoiceTypeEnum"		M	See the specifications of element “ InvoiceTypeEnum” for definition and example.
YearMonth	xsd:string	5	M	Even-number months only, for

Element name	XML Schema syntax	Data length	Necessity	Remark
	xsd:minLength value="5" xsd:maxLength value="5" xsd:pattern value="\d{3}0[2 4 6 8]\d{3}1[0 2]"			example: 10202 (for 10201~10202) 10204 (for 10203~10204) 10206 (for 10205~10206) 10208 (for 10207~10208) 10210 (for 10209~10210) 10212 (for 10211~10212)
InvoiceTrack	xsd:string xsd:minLength value="2" xsd:maxLength value="2" xsd:pattern value="[A-Z]{2}"	2	M	2 alphabets (in upper case)
InvoiceBeginNo	xsd:string xsd:minLength value="8" xsd:maxLength value="8" xsd:pattern value="\d{8}"	8	M	8-digit number The beginning number of invoice shall be consistent with that in the E-Invoice Platform.
InvoiceEndNo	xsd:string xsd:minLength value="8" xsd:maxLength value="8" xsd:pattern value="\d{8}"	8	M	8-digit number The end number of invoice shall be consistent with that in the E-Invoice Platform.

(III) BranchTrack/Details

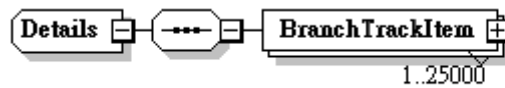


Figure 51: BranchTrack/Details message structure

Table 86: Specifications of aggregate “BranchTrack/Details”

Element name	XML Schema syntax	Data length	Necessity	Remark
BranchTrackItem	<xsd:element name="BranchTrackItem" maxOccurs="25000"		M	

Table 87: Specifications of element “BranchTrack/Details/ BranchTrackItem”

Element name	XML Schema syntax	Data length	Necessity	Remark
InvoiceBeginNo	xsd:string xsd:minLength value="8" xsd:maxLength value="8" xsd:pattern value="\d{8}"	8	M	8-digit number
InvoiceEndNo	xsd:string xsd:minLength value="8" xsd:maxLength value="8" xsd:pattern value="\d{8}"	8	M	8-digit number
InvoiceBooklet	xsd: long xsd:totalDigits value="10" xsd:minInclusive value="0"		M	

Chapter 26. E0402 BranchTrackBlank

I. Message function

The E0402 “BranchTrackBlank” is used when the business entity or value-added center uploads data with Turnkey by the 10th day of every period. For repeated uploading in the same period (possibly by different value-added center), if the E-Invoice Platform receives repeated or overlapped Details/BranchTrackBlankItem, the repeated or overlapped data will be deleted and the data uploaded later will be saved in the database. If the blank uniform invoices uploaded in the same period are not repeated or overlapped with any of the alphabetic letters numbers previously uploaded, the original data are kept and those newly uploaded will be saved in the database. In case that a mistake is found the data originally uploaded and the data are not repeated or overlapped with the numbers newly uploaded, the user may log in the E-Invoice Platform through the web to delete the mistaken data, or overwrite the mistaken data by uploading new and correct BranchTrack (since the new data are overlapped with the mistaken ones) and then upload again the complete version of the correct data (since this is overlapped with the number range).

Example 1: there are two branch offices, A and B, under the head office. The head office gets the numbers and distributes them to BranchTrack. The head office or a value-added center shall upload the following to the E-Invoice Platform:

```
<BranchTrackBlank>
  <Main>
    <HeadBan>head office tax ID number</HeadBan>
    <BranchBan>branch A tax ID number</BranchBan>
    <InvoiceType>07</InvoiceType>
    <YearMonth>10606</YearMonth>
    <InvoiceTrack>AB</InvoiceTrack>
  </Main>
  <Details>
    <BranchTrackBlankItem>
      <InvoiceBeginNo>00001080</InvoiceBeginNo>
      <InvoiceEndNo>00001499</InvoiceEndNo>
    </BranchTrackBlankItem>
  </Details>
</BranchTrackBlank>
```

Example 2: there are two branch offices, A and B, under the head office. A and B get their own numbers and the head office, branches or authorized value-added center shall upload the following to the E-Invoice Platform:

```
<BranchTrackBlank>
  <Main>
```

```

<HeadBan>branch A tax ID number</HeadBan>
<BranchBan>branch A tax ID number</BranchBan>
<InvoiceType>07</InvoiceType>
<YearMonth>10606</YearMonth>
<InvoiceTrack>AB</InvoiceTrack>
</Main>
<Details>
  <BranchTrackBlankItem>
    <InvoiceBeginNo>00001080</InvoiceBeginNo>
    <InvoiceEndNo>00001499</InvoiceEndNo>
  </BranchTrackBlankItem>
</Details>
</BranchTrackBlank>

```

Example 3: Alphabetic letters range of details overlapped

- The alphabetic letters range of details overlapped. In the example below, the first detail range is from 1000 to 1500 and the third is from 1000 to 1200. The system will reject the entire packet and reply “Uploaded detail ranges overlapped; check and upload again.”

```

<BranchTrackBlank>
  <Main>
    <HeadBan>head office tax ID number</HeadBan>
    <BranchBan>branch A tax ID number</BranchBan>
    <InvoiceType>07</InvoiceType>
    <YearMonth>10606</YearMonth>
    <InvoiceTrack>AB</InvoiceTrack>
  </Main>
  <Details>
    <BranchTrackBlankItem>
      <InvoiceBeginNo>00001000</InvoiceBeginNo>
      <InvoiceEndNo>00001500</InvoiceEndNo>
    </BranchTrackBlankItem>
    <BranchTrackBlankItem>
      <InvoiceBeginNo>00002000</InvoiceBeginNo>
      <InvoiceEndNo>00003000</InvoiceEndNo>
    </BranchTrackBlankItem>
    <BranchTrackBlankItem>
      <InvoiceBeginNo>00001000</InvoiceBeginNo>
      <InvoiceEndNo>00001200</InvoiceEndNo>
    </BranchTrackBlankItem>
  </Details>
</BranchTrackBlank>

```

- To correct the detail alphabetic letters range that has been saved in the database of E-Invoice Platform, all the user has to do is to upload the correct range.

- A detail range, 1000~1500, has been saved. In fact, however, it should be 1200~1400. So just upload a packet with the correct detail range between 1200 and 1400. The system will be based on the later data for the

repeated detail range, which means, at the end, the system will save the 1200~1400 range and delete the 1000~1500 range.

- A detail range, 1000~1500, has been saved. In fact, however, it should be 1550~1800 instead of 1000~1500. This requires uploading two packets of E0402, one containing the 1000~1800 range and the other 1550~1800. The system will be based on the later data for the overlapped detail range. Therefore, when the system is dealing with the first packet, the 1000~1500 range will be deleted and 1000~1800 added; when dealing with the second packet, the range 1000~1800 will be deleted and 1550~1800 added; i.e. at the end, the 1550~1800 range will be saved in the system.

This message is described as follows:

II. Message structure

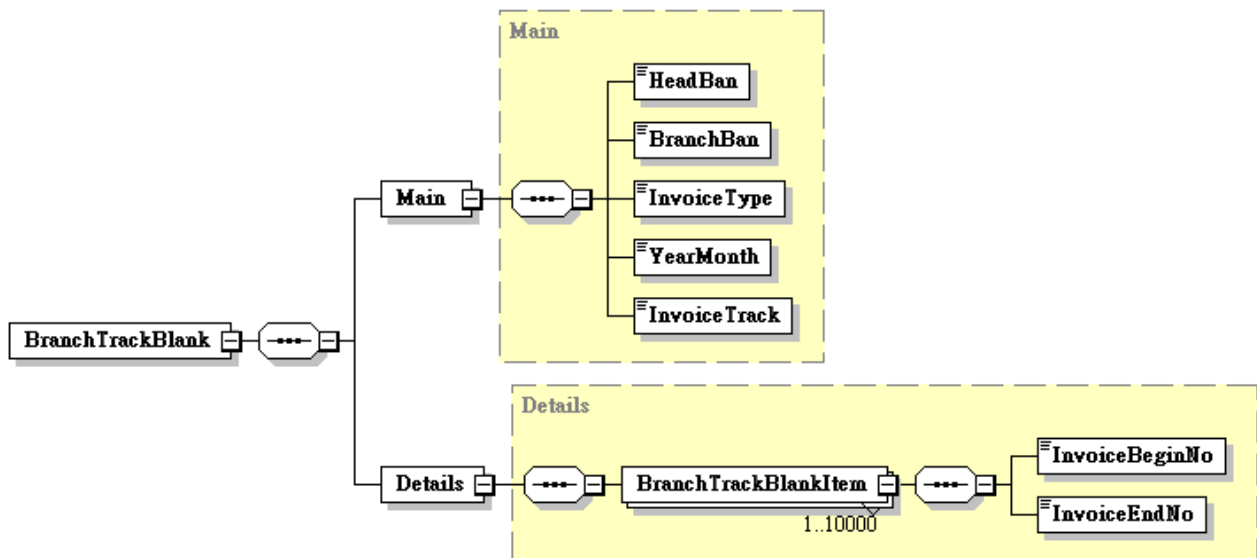


Figure 52: E0402 message structure

III. Message tree

Table 88: E0402 message tree

MIG E0402BranchTrackBlank			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
		Data Grouping/Header Tag - Does not contain information	

1	1	BranchTrackBlank	
2	1	--Main	
3	1	-- HeadBan	
3	1	-- BranchBan	
4	1	--InvoiceType	
5	1	--YearMonth	
6	1	--InvoiceTrack	
9	1	--Details	
10	1....10000	-- BranchTrackBlankItem	
12	1	--InvoiceBeginNo	
13	1	-- InvoiceEndNo	

IV. Specifications of elements or aggregates

(I) BranchTrackBlank

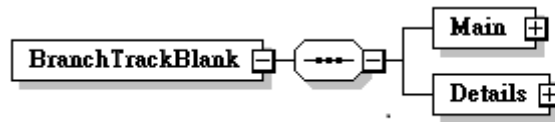


Figure 53: BranchTrackBlank message structure

Table 89: Specifications of aggregate “BranchTrackBlank”

Element name	XML Schema syntax	Data length	Necessity	Remark
Main	<xsd:elementname="Main" type="Main"/>		M	
Details	<xsd:elementname="Details" type="Details"/>		M	

(II) BranchTrackBlank/Main

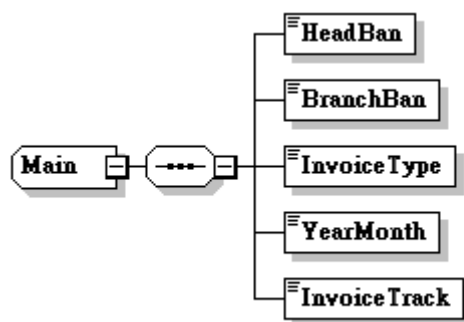


Figure 54: BranchTrackBlank/Main message structure

Table 90: Specifications of element “BranchTrackBlank/Main”

Element name	XML Schema syntax	Data length	Necessity	Remark
HeadBan	type="BAN"		M	See the specifications of element “BAN” for definition and example.

Element name	XML Schema syntax	Data length	Necessity	Remark
BranchBan	type="BAN"		M	See the specifications of element "BAN" for definition and example.
InvoiceType	type="InvoiceTypeEnum"		M	See the specifications of element "InvoiceTypeEnum" for definition and example.
YearMonth	xsd:string xsd:minLength value="5" xsd:maxLength value="5" xsd:pattern value="\d{3}0[2 4 6 8] \d{3}1[0 2]"	5	M	Even-number months only, for example: 10202 (for 10201~10202) 10204 (for 10203~10204) 10206 (for 10205~10206) 10208 (for 10207~10208) 10210 (for 10209~10210) 10212 (for 10211~10212)
InvoiceTrack	xsd:string xsd:minLength value="2" xsd:maxLength value="2" xsd:pattern value="[A-Z]{2}"	2	M	2 alphabets (in upper case)

(III) BranchTrackBlank/Details



Figure 55: BranchTrackBlank/Details message structure

Table 91: Specifications of aggregate "BranchTrackBlank/Details"

Element name	XML Schema syntax	Data length	Necessity	Remark
BranchTrackItem	<xsd:element name=" BranchTrackBlankItem" maxOccurs="10000"		M	

Table 92: Specifications of element "BranchTrackBlank/Details/BranchTrackBlankItem"

Element name	XML Schema syntax	Data length	Necessity	Remark
InvoiceBeginNo	xsd:string xsd:minLength value="8" xsd:maxLength value="8" xsd:pattern value="\d{8}"	8	M	8-digit number
InvoiceEndNo	xsd:string xsd:minLength value="8" xsd:maxLength value="8" xsd:pattern value="\d{8}"	8	M	8-digit number

Chapter 27. E0501 InvoiceAssignNo

I. Message function

The “InvoiceAssignNo” is provided to business entities and authorized value-added center to download the business entity electronic uniform invoice number assignment file. This message is described as follows:

II. Message structure

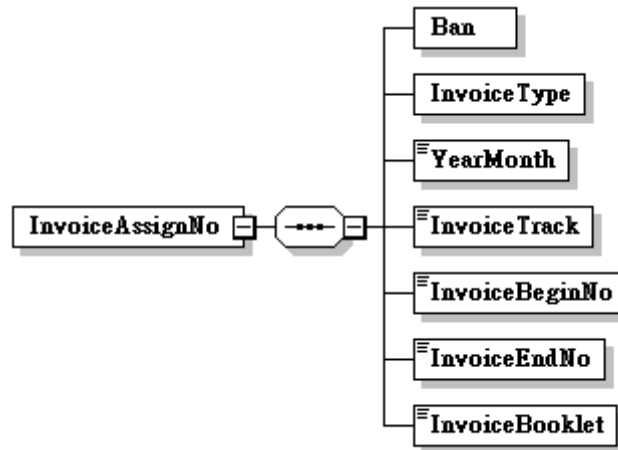


Figure 56: E0501 message structure

III. Message tree

Table 93: E0501 message tree

MIG E0501 InvoiceAssignNo			
Legend:			
MG Line #	Cardinality	Data Element	Usage Note
1	1	InvoiceAssignNo	
2	1	--Ban	
3	1	--InvoiceType	
4	1	--YearMonth	
5	1	--InvoiceTrack	
6	1	--InvoiceBeginNo	
7	1	--InvoiceEndNo	
8	1	--InvoiceBooklet	

IV. Specifications of elements or aggregates

(I) InvoiceAssignNo

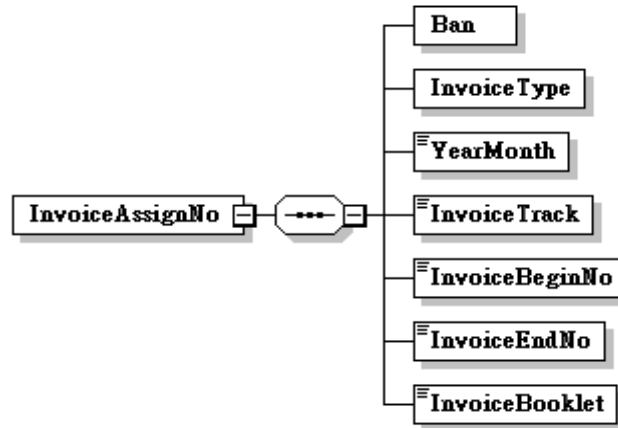
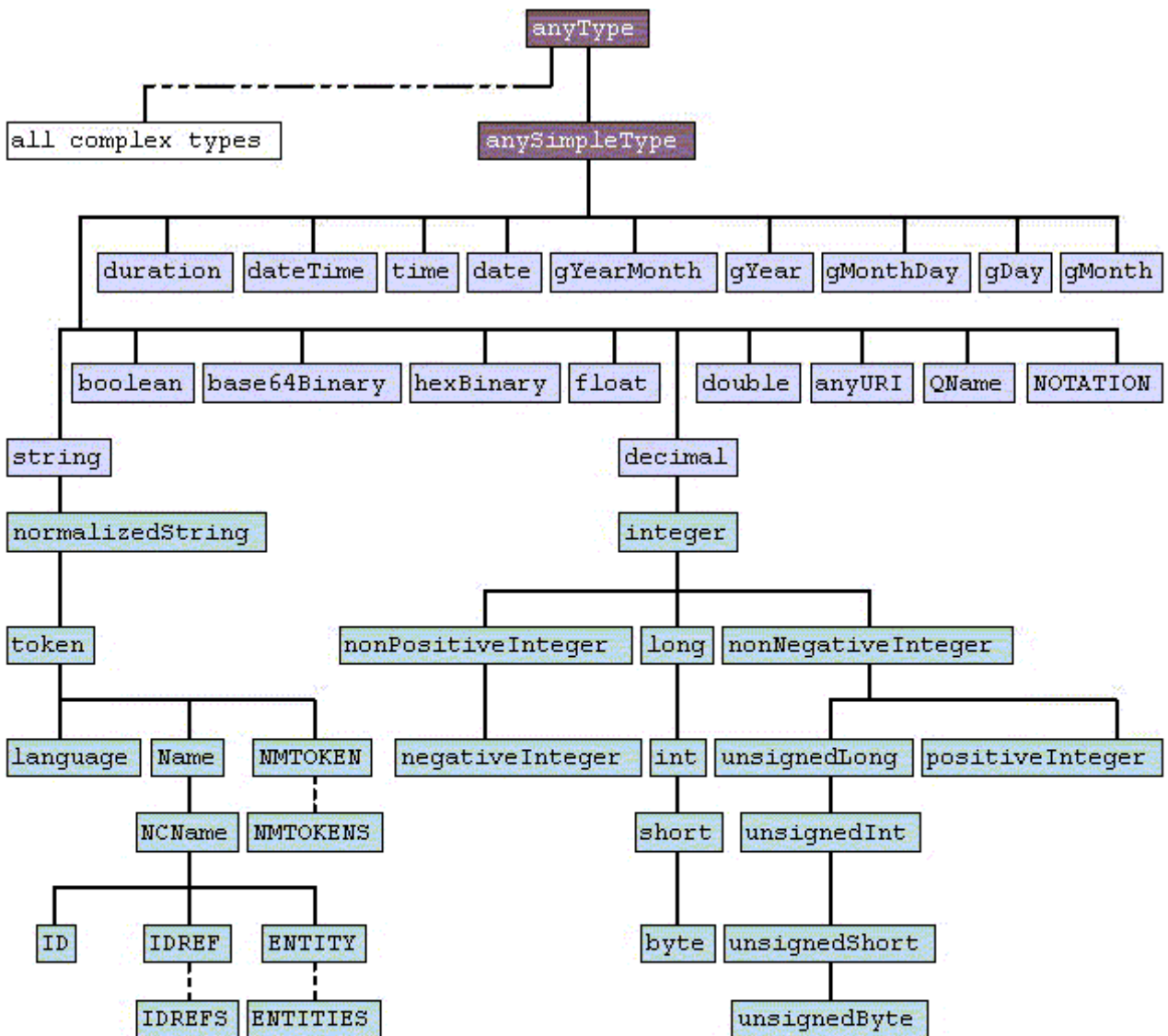


Figure 57: InvoiceAssignNo message structure

Table 94: Specifications of element “InvoiceAssignNo”

Element name	XML Schema syntax	Data length	Necessity	Remark
Ban	type="BAN"		M	See the specifications of element “BAN” for definition and example.
InvoiceType	type="InvoiceTypeEnum"		M	See the specifications of element “InvoiceTypeEnum” for definition and example.
YearMonth	xsd:string xsd:minLength value="5" xsd:maxLength value="5" xsd:pattern value="\d{3}0[2 4 6 8] \d{3}1[0 2]"	5	M	Even-number months only, for example: 10202 (for 10201~10202) 10204 (for 10203~10204) 10206 (for 10205~10206) 10208 (for 10207~10208) 10210 (for 10209~10210) 10212 (for 10211~10212)
InvoiceTrack	xsd:string xsd:minLength value="2" xsd:maxLength value="2" xsd:pattern value="[A-Z]{2}"	2	M	2 alphabets (in upper case)
InvoiceBeginNo	xsd:string xsd:minLength value="8" xsd:maxLength value="8" xsd:pattern value="\d{8}"	8	M	8-digit number
InvoiceEndNo	xsd:string xsd:minLength value="8" xsd:maxLength value="8" xsd:pattern value="\d{8}"	8	M	8-digit number
InvoiceBooklet	xsd: long xsd:totalDigits value="10" xsd:minInclusive value="0"		M	

Appendix A: XML Schema Data Types



- ur types
- built-in primitive types
- built-in derived types
- complex types
- derived by restriction
- derived by list
- derived by extension or restriction

Source: <http://www.w3.org/TR/xmlschema-2/>

Appendix B: XML Schema, common message specifications

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:group name="RoleDescriptionType">
    <xsd:sequence>
      <xsd:element name="Identifier">
        <xsd:simpleType>
          <xsd:restriction base="BAN">
            <xsd:minLength value="8"/>
            <xsd:maxLength value="10"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="Name">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:minLength value="1"/>
            <xsd:maxLength value="60"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="Address" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="100"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="PersonInCharge" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="30"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="TelephoneNumber" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="26"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="FacsimileNumber" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="26"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="EmailAddress" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="80"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="CustomerNumber" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="20"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
    </xsd:sequence>
  </xsd:group>
</xsd:schema>

```

```

        </xsd:simpleType>
      </xsd:element>
    <xsd:element name="RoleRemark" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="40"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:group>
<xsd:simpleType name="MessageTypeEnum">
  <xsd:restriction base="xsd:string">
    <xsd:minLength value="5"/>
    <xsd:maxLength value="5"/>
    <xsd:enumeration value="A0101"/>
    <xsd:enumeration value="A0102"/>
    <xsd:enumeration value="A0201"/>
    <xsd:enumeration value="A0202"/>
    <xsd:enumeration value="A0301"/>
    <xsd:enumeration value="A0302"/>
    <xsd:enumeration value="A0401"/>
    <xsd:enumeration value="A0501"/>
    <xsd:enumeration value="A0601"/>
    <xsd:enumeration value="A1101"/>
    <xsd:enumeration value="A1401"/>
    <xsd:enumeration value="B0101"/>
    <xsd:enumeration value="B0102"/>
    <xsd:enumeration value="B0201"/>
    <xsd:enumeration value="B0202"/>
    <xsd:enumeration value="B0401"/>
    <xsd:enumeration value="B0501"/>
    <xsd:enumeration value="B1101"/>
    <xsd:enumeration value="B1401"/>
    <xsd:enumeration value="C0401"/>
    <xsd:enumeration value="C0501"/>
    <xsd:enumeration value="C0701"/>
    <xsd:enumeration value="D0401"/>
    <xsd:enumeration value="D0501"/>
    <xsd:enumeration value="E0401"/>
    <xsd:enumeration value="E0402"/>
    <xsd:enumeration value="E0501"/>
    <!-- A0101.Invoice -->
    <!-- A0102. InvoiceConfirm -->
    <!-- A0201.CancelInvoice -->
    <!-- A0202.CancelInvoiceConfirm -->
    <!-- A0301.RejectInvoice -->
    <!-- A0302.RejectInvoiceConfirm -->
    <!-- A0401. Invoice Platform -->
    <!-- A0501.CancelInvoice Platform -->
    <!-- A0601.RejectInvoice Platform -->
    <!-- A1101.Invoice (steel) -->
    <!-- A1401.Invoice Platform (steel) -->
    <!-- B0101.Allowance -->
    <!-- B0102.AllowanceConfirm -->
    <!-- B0201.CancelAllowance -->
    <!-- B0202.CancelAllowanceConfirm -->
    <!-- B0401.Allowance Platform -->
    <!-- B0501.CancelAllowance Platform -->
    <!-- B1101.Allowance (steel) -->
    <!-- B1401.Allowance Platform (steel) -->
    <!-- C0401.B2C Invoice -->
    <!-- C0501.B2C CancelInvoice -->
  </xsd:restriction>
</xsd:simpleType>

```

```

        <!-- C0701.B2C VoidInvoice -->
        <!-- D0401.B2C Allowance -->
        <!-- D0501.B2C CancelAllowance -->
        <!-- E0401.BranchTrack -->
        <!-- E0402.BranchTrackBlank -->
        <!-- E0501.InvoiceAssignNo -->
    </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="InvoiceNumberType">
    <xsd:restriction base="xsd:string">
        <xsd:minLength value="10"/>
        <xsd:maxLength value="10"/>
        <xsd:pattern value="[A-Z]{2}\d{8}"/>
    </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="AllowanceNumberType">
    <xsd:restriction base="xsd:string">
        <xsd:minLength value="1"/>
        <xsd:maxLength value="16"/>
    </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="AllowanceTypeEnum">
    <xsd:restriction base="xsd:string">
        <xsd:minLength value="1"/>
        <xsd:maxLength value="1"/>
        <xsd:enumeration value="1"/>
        <xsd:enumeration value="2"/>
    </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="BAN">
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="10"/>
        <xsd:minLength value="0"/>
    </xsd:restriction>
</xsd:simpleType>
<!-- BuyerRemark (buyer remark) -->
<xsd:simpleType name="BuyerRemarkEnum">
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="1"/>
        <xsd:enumeration value="1"/>
        <xsd:enumeration value="2"/>
        <xsd:enumeration value="3"/>
        <xsd:enumeration value="4"/>
    </xsd:restriction>
</xsd:simpleType>
<!-- CustomsClearanceMark (customs clearance mark) -->
<xsd:simpleType name="CustomsClearanceMarkEnum">
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="1"/>
        <xsd:enumeration value="1"/>
        <xsd:enumeration value="2"/>
    </xsd:restriction>
</xsd:simpleType>
<!-- InvoiceType (invoice type) -->
<xsd:simpleType name="InvoiceTypeEnum">
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="2"/>
        <xsd:minLength value="2"/>
        <xsd:enumeration value="01"/>
        <xsd:enumeration value="02"/>
        <xsd:enumeration value="03"/>
        <xsd:enumeration value="04"/>
        <xsd:enumeration value="05"/>
    </xsd:restriction>

```



```

        <xsd:enumeration value="06"/>
        <xsd:enumeration value="07"/>
        <xsd:enumeration value="08"/>

    </xsd:restriction>
</xsd:simpleType>
<!-- DonateMark (donation mark) -->
<xsd:simpleType name="DonateMarkEnum">
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="1"/>
        <xsd:minLength value="1"/>
        <xsd:enumeration value="0"/>
        <xsd:enumeration value="1"/>
    </xsd:restriction>
</xsd:simpleType>
<!-- TaxType (tax type) -->
<xsd:simpleType name="TaxTypeEnum">
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="1"/>
        <xsd:minLength value="1"/>
        <xsd:enumeration value="1"/>
        <xsd:enumeration value="2"/>
        <xsd:enumeration value="3"/>
        <xsd:enumeration value="4"/>
        <xsd:enumeration value="9"/>
    </xsd:restriction>
</xsd:simpleType>
<!-- carrier type number -->
<xsd:simpleType name="CarrierTypeEnum">
    <xsd:restriction base="xsd:string">
        <xsd:maxLength value="6"/>
    </xsd:restriction>
</xsd:simpleType>
<!-- ISO 4217 Currency Code List -->
<xsd:simpleType name="CurrencyCodeEnum">
    <xsd:restriction base="xsd:string">
        <xsd:minLength value="3"/>
        <xsd:maxLength value="3"/>
        <xsd:enumeration value="AED"/>
        <xsd:enumeration value="AFN"/>
        <xsd:enumeration value="ALL"/>
        <xsd:enumeration value="AMD"/>
        <xsd:enumeration value="ANG"/>
        <xsd:enumeration value="AOA"/>
        <xsd:enumeration value="ARS"/>
        <xsd:enumeration value="AUD"/>
        <xsd:enumeration value="AWG"/>
        <xsd:enumeration value="AZN"/>
        <xsd:enumeration value="BAM"/>
        <xsd:enumeration value="BBD"/>
        <xsd:enumeration value="BDT"/>
        <xsd:enumeration value="BGN"/>
        <xsd:enumeration value="BHD"/>
        <xsd:enumeration value="BIF"/>
        <xsd:enumeration value="BMD"/>
        <xsd:enumeration value="BND"/>
        <xsd:enumeration value="BOB"/>
        <xsd:enumeration value="BRL"/>
        <xsd:enumeration value="BSD"/>
        <xsd:enumeration value="BTN"/>
        <xsd:enumeration value="BWP"/>
        <xsd:enumeration value="BYR"/>
        <xsd:enumeration value="BZD"/>

```

```
<xsd:enumeration value="CAD"/>
<xsd:enumeration value="CDF"/>
<xsd:enumeration value="CHF"/>
<xsd:enumeration value="CLP"/>
<xsd:enumeration value="CNY"/>
<xsd:enumeration value="COP"/>
<xsd:enumeration value="CRC"/>
<xsd:enumeration value="CUP"/>
<xsd:enumeration value="CVE"/>
<xsd:enumeration value="CYP"/>
<xsd:enumeration value="CZK"/>
<xsd:enumeration value="DJF"/>
<xsd:enumeration value="DKK"/>
<xsd:enumeration value="DOP"/>
<xsd:enumeration value="DZD"/>
<xsd:enumeration value="EGP"/>
<xsd:enumeration value="ERN"/>
<xsd:enumeration value="ETB"/>
<xsd:enumeration value="EUR"/>
<xsd:enumeration value="FJD"/>
<xsd:enumeration value="FKP"/>
<xsd:enumeration value="GBP"/>
<xsd:enumeration value="GEL"/>
<xsd:enumeration value="GGP"/>
<xsd:enumeration value="GHS"/>
<xsd:enumeration value="GIP"/>
<xsd:enumeration value="GMD"/>
<xsd:enumeration value="GNF"/>
<xsd:enumeration value="GTQ"/>
<xsd:enumeration value="GYD"/>
<xsd:enumeration value="HKD"/>
<xsd:enumeration value="HNL"/>
<xsd:enumeration value="HRK"/>
<xsd:enumeration value="HTG"/>
<xsd:enumeration value="HUF"/>
<xsd:enumeration value="IDR"/>
<xsd:enumeration value="ILS"/>
<xsd:enumeration value="IMP"/>
<xsd:enumeration value="INR"/>
<xsd:enumeration value="IQD"/>
<xsd:enumeration value="IRR"/>
<xsd:enumeration value="ISK"/>
<xsd:enumeration value="JEP"/>
<xsd:enumeration value="JMD"/>
<xsd:enumeration value="JOD"/>
<xsd:enumeration value="JPY"/>
<xsd:enumeration value="KES"/>
<xsd:enumeration value="KGS"/>
<xsd:enumeration value="KHR"/>
<xsd:enumeration value="KMF"/>
<xsd:enumeration value="KPW"/>
<xsd:enumeration value="KRW"/>
<xsd:enumeration value="KWD"/>
<xsd:enumeration value="KYD"/>
<xsd:enumeration value="KZT"/>
<xsd:enumeration value="LAK"/>
<xsd:enumeration value="LBP"/>
<xsd:enumeration value="LKR"/>
<xsd:enumeration value="LRD"/>
<xsd:enumeration value="LSL"/>
<xsd:enumeration value="LTL"/>
<xsd:enumeration value="LVL"/>
<xsd:enumeration value="LYD"/>
```

```
<xsd:enumeration value="MAD"/>
<xsd:enumeration value="MDL"/>
<xsd:enumeration value="MGA"/>
<xsd:enumeration value="MKD"/>
<xsd:enumeration value="MMK"/>
<xsd:enumeration value="MNT"/>
<xsd:enumeration value="MOP"/>
<xsd:enumeration value="MRO"/>
<xsd:enumeration value="MTL"/>
<xsd:enumeration value="MUR"/>
<xsd:enumeration value="MVR"/>
<xsd:enumeration value="MWK"/>
<xsd:enumeration value="MXN"/>
<xsd:enumeration value="MYR"/>
<xsd:enumeration value="MZN"/>
<xsd:enumeration value="NAD"/>
<xsd:enumeration value="NGN"/>
<xsd:enumeration value="NIO"/>
<xsd:enumeration value="NOK"/>
<xsd:enumeration value="NPR"/>
<xsd:enumeration value="NZD"/>
<xsd:enumeration value="OMR"/>
<xsd:enumeration value="PAB"/>
<xsd:enumeration value="PEN"/>
<xsd:enumeration value="PGK"/>
<xsd:enumeration value="PHP"/>
<xsd:enumeration value="PKR"/>
<xsd:enumeration value="PLN"/>
<xsd:enumeration value="PYG"/>
<xsd:enumeration value="QAR"/>
<xsd:enumeration value="RON"/>
<xsd:enumeration value="RSD"/>
<xsd:enumeration value="RUB"/>
<xsd:enumeration value="RWF"/>
<xsd:enumeration value="SAR"/>
<xsd:enumeration value="SBD"/>
<xsd:enumeration value="SCR"/>
<xsd:enumeration value="SDG"/>
<xsd:enumeration value="SEK"/>
<xsd:enumeration value="SGD"/>
<xsd:enumeration value="SHP"/>
<xsd:enumeration value="SLL"/>
<xsd:enumeration value="SOS"/>
<xsd:enumeration value="SPL"/>
<xsd:enumeration value="SRD"/>
<xsd:enumeration value="STD"/>
<xsd:enumeration value="SVC"/>
<xsd:enumeration value="SYP"/>
<xsd:enumeration value="SZL"/>
<xsd:enumeration value="THB"/>
<xsd:enumeration value="TJS"/>
<xsd:enumeration value="TMM"/>
<xsd:enumeration value="TND"/>
<xsd:enumeration value="TOP"/>
<xsd:enumeration value="TRY"/>
<xsd:enumeration value="TTD"/>
<xsd:enumeration value="TVD"/>
<xsd:enumeration value="TWD"/>
<xsd:enumeration value="TZS"/>
<xsd:enumeration value="UAH"/>
<xsd:enumeration value="UGX"/>
<xsd:enumeration value="USD"/>
<xsd:enumeration value="UYU"/>
```

```

    <xsd:enumeration value="UZS"/>
    <xsd:enumeration value="VEB"/>
    <xsd:enumeration value="VEF"/>
    <xsd:enumeration value="VND"/>
    <xsd:enumeration value="VUV"/>
    <xsd:enumeration value="WST"/>
    <xsd:enumeration value="XAF"/>
    <xsd:enumeration value="XAG"/>
    <xsd:enumeration value="XAU"/>
    <xsd:enumeration value="XCD"/>
    <xsd:enumeration value="XDR"/>
    <xsd:enumeration value="XOF"/>
    <xsd:enumeration value="XPD"/>
    <xsd:enumeration value="XPF"/>
    <xsd:enumeration value="XPT"/>
    <xsd:enumeration value="YER"/>
    <xsd:enumeration value="ZAR"/>
    <xsd:enumeration value="ZMK"/>
    <xsd:enumeration value="ZWD"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="DateType">
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="[0-9][0-9][0-9][0-9]((0[1-9]|1[0-2]))((0[1-9]|[1-2][0-9])|(3[0-1]))"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="TimeType">
  <xsd:restriction base="xsd:time"/>
</xsd:simpleType>
<!-- BondedAreaConfirm (indication that buyer is eligible for zero tax rate) -->
<xsd:simpleType name="BondedAreaEnum">
  <xsd:restriction base="xsd:string">
    <xsd:maxLength value="1"/>
    <xsd:minLength value="1"/>
    <xsd:enumeration value="1"/>
    <xsd:enumeration value="2"/>
    <xsd:enumeration value="3"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="PartyInfoType">
  <xsd:sequence>
    <xsd:element name="PartyId" type="xsd:string"/>
    <xsd:element name="Description" type="xsd:string" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RoutingInfoType">
  <xsd:sequence>
    <xsd:element name="RoutingId" type="xsd:string"/>
    <xsd:element name="Description" type="xsd:string" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:schema>

```

Appendix C: XML Schema for A0101 Invoice

```

<!-- Main-->
  <xsd:complexType name="Main">
    <xsd:sequence>
      <!-- InvoiceNumber-->
      <xsd:element name="InvoiceNumber" type="InvoiceNumberType"/>
      <!-- InvoiceDate-->
      <xsd:element name="InvoiceDate" type="DateType"/>
      <!-- InvoiceTime-->
      <xsd:element name="InvoiceTime" type="TimeType" />
      <!-- Seller-->
      <xsd:element name="Seller">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <!-- Buyer-->
      <xsd:element name="Buyer">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <!-- CheckNumber-->
      <xsd:element name="CheckNumber" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="10"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <!-- BuyerRemark-->
      <xsd:element name="BuyerRemark" type="BuyerRemarkEnum" minOccurs="0"/>
      <!-- MainRemark-->
      <xsd:element name="MainRemark" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="200"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <!-- CustomsClearanceMark-->
      <xsd:element name="CustomsClearanceMark" type="CustomsClearanceMarkEnum"
minOccurs="0"/>
      <!-- TaxCenter-->
      <xsd:element name="TaxCenter" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="40"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <!-- PermitDate-->
      <xsd:element name="PermitDate" type="DateType" minOccurs="0"/>
      <!-- PermitWord-->
      <xsd:element name="PermitWord" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="40"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <!-- PermitNumber-->

```

```

    <xsd:element name="PermitNumber" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="20"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- Category-->
    <xsd:element name="Category" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="2"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- RelateNumber-->
    <xsd:element name="RelateNumber" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="20"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- InvoiceType-->
    <xsd:element name="InvoiceType" type="InvoiceTypeEnum"/>
    <!-- GroupMark -->
    <xsd:element name="GroupMark" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:pattern value="[*]"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- DonateMark -->
    <xsd:element name="DonateMark" type="DonateMarkEnum"/>
    <!-- Attachment -->
    <xsd:element name="Attachment" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:base64Binary">
          <xsd:maxLength value="1048576"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
<!-- Details -->
<xsd:complexType name="Details">
  <xsd:sequence>
    <xsd:element name="ProductItem" minOccurs="1" maxOccurs="999">
      <xsd:complexType>
        <xsd:sequence>
          <!-- Description -->
          <xsd:element name="Description">
            <xsd:simpleType>
              <xsd:restriction base="xsd:string">
                <xsd:minLength value="1"/>
                <xsd:maxLength value="256"/>
              </xsd:restriction>
            </xsd:simpleType>
          </xsd:element>
          <!-- Quantity -->
          <xsd:element name="Quantity">
            <xsd:simpleType>

```

```

        <xsd:restriction base="xsd:decimal">
            <xsd:totalDigits value="20"/>
            <xsd:fractionDigits value="7"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- Unit -->
<xsd:element name="Unit" minOccurs="0">
    <xsd:simpleType>
        <xsd:restriction base="xsd:string">
            <xsd:maxLength value="6"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- UnitPrice -->
<xsd:element name="UnitPrice">
    <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
            <xsd:totalDigits value="20"/>
            <xsd:fractionDigits value="7"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- Amount -->
<xsd:element name="Amount">
    <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
            <xsd:totalDigits value="20"/>
            <xsd:fractionDigits value="7"/>
            <xsd:maxInclusive value="9999999999999999"/>
            <xsd:minInclusive value="-9999999999999999"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- SequenceNumber -->
<xsd:element name="SequenceNumber">
    <xsd:simpleType>
        <xsd:restriction base="xsd:string">
            <xsd:minLength value="1"/>
            <xsd:maxLength value="3"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- Items -->
<!-- Remark -->
<xsd:element name="Remark" minOccurs="0">
    <xsd:simpleType>
        <xsd:restriction base="xsd:string">
            <xsd:maxLength value="40"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- RelateNumber -->
<xsd:element name="RelateNumber" minOccurs="0">
    <xsd:simpleType>
        <xsd:restriction base="xsd:string">
            <xsd:maxLength value="20"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:element>

```

```

</xsd:sequence>
</xsd:complexType>
<!-- Amount -->
<xsd:complexType name="Amount">
  <xsd:sequence>
    <!-- SalesAmount -->
    <xsd:element name="SalesAmount">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="12"/>
          <xsd:fractionDigits value="0"/>
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- TaxType -->
    <xsd:element name="TaxType" type="TaxTypeEnum"/>
    <!-- TaxRate -->
    <xsd:element name="TaxRate">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="6"/>
          <xsd:fractionDigits value="4"/>
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- TaxAmount -->
    <xsd:element name="TaxAmount">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="12"/>
          <xsd:fractionDigits value="0"/>
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- TotalAmount -->
    <xsd:element name="TotalAmount">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="12"/>
          <xsd:fractionDigits value="0"/>
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- DiscountAmount -->
    <xsd:element name="DiscountAmount" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="12"/>
          <xsd:fractionDigits value="0"/>
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- OriginalCurrencyAmount -->
    <xsd:element name="OriginalCurrencyAmount" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="20"/>
          <xsd:fractionDigits value="7"/>

```


Appendix D: XML Schema for A0102 InvoiceConfirm

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:A0102:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:A0102:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- InvoiceConfirm: A0102 -->
  <xsd:element name="InvoiceConfirm">
    <xsd:complexType>
      <xsd:sequence>
        <!-- InvoiceNumber -->
        <xsd:element name="InvoiceNumber" type="InvoiceNumberType"/>
        <!-- InvoiceDate -->
        <xsd:element name="InvoiceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- ReceiveDate -->
        <xsd:element name="ReceiveDate" type="DateType"/>
        <!-- ReceiveTime -->
        <xsd:element name="ReceiveTime" type="TimeType"/>
        <!-- BuyerRemark -->
        <xsd:element name="BuyerRemark" type="BuyerRemarkEnum" minOccurs="0"/>
        <!-- Remark -->
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- BondedAreaConfirm -->
        <xsd:element name="BondedAreaConfirm" type="BondedAreaEnum" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

Appendix E: XML Schema for B0101 Allowance

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:B0101:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:B0101:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- Allowance: B0101 -->
  <xsd:element name="Allowance">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="Main" type="Main"/>
        <xsd:element name="Details" type="Details"/>
        <xsd:element name="Amount" type="Amount"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <!-- Main -->
  <xsd:complexType name="Main">
    <xsd:sequence>
      <!-- AllowanceNumber -->
      <xsd:element name="AllowanceNumber" type="AllowanceNumberType"/>
      <!-- AllowanceDate -->
      <xsd:element name="AllowanceDate" type="DateType"/>
      <!-- Seller -->
      <xsd:element name="Seller">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <!-- Buyer -->
      <xsd:element name="Buyer">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="AllowanceType" type="AllowanceTypeEnum"/>
      <xsd:element name="Attachment" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:base64Binary">
            <xsd:maxLength value="1048576"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <!-- Details -->
  <xsd:complexType name="Details">
    <xsd:sequence>
      <xsd:element name="ProductItem" minOccurs="1" maxOccurs="999">
        <xsd:complexType>
          <xsd:sequence>
            <!-- OriginalInvoiceDate -->
            <xsd:element name="OriginalInvoiceDate" type="DateType"/>
            <!-- OriginalInvoiceNumber -->
            <xsd:element name="OriginalInvoiceNumber" type="InvoiceNumberType"/>
            <!-- OriginalSequenceNumber -->
            <xsd:element name="OriginalSequenceNumber" minOccurs="0">
              <xsd:simpleType>
                <xsd:restriction base="xsd:string">
                  <xsd:maxLength value="3"/>
                </xsd:restriction>
              </xsd:simpleType>
            </xsd:element>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>

```

```

</xsd:element>
<!-- Items -->
<!-- OriginalDescription -->
<xsd:element name="OriginalDescription">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:minLength value="1"/>
      <xsd:maxLength value="256"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Quantity -->
<xsd:element name="Quantity">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="20"/>
      <xsd:fractionDigits value="7"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Unit -->
<xsd:element name="Unit" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="6"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- UnitPrice -->
<xsd:element name="UnitPrice">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="20"/>
      <xsd:fractionDigits value="7"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Amount (amount of purchase without tax) -->
<xsd:element name="Amount">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="20"/>
      <xsd:fractionDigits value="7"/>
      <xsd:maxInclusive value="999999999999999999"/>
      <xsd:minInclusive value="-999999999999999999"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Tax -->
<xsd:element name="Tax">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="20"/>
      <xsd:fractionDigits value="0"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- AllowanceSequenceNumber -->
<xsd:element name="AllowanceSequenceNumber">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="3"/>
      <xsd:minLength value="1"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>

```

```

        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- TaxType -->
    <xsd:element name="TaxType" type="TaxTypeEnum"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<!-- Amount -->
<xsd:complexType name="Amount">
  <xsd:sequence>
    <!-- TaxAmount -->
    <xsd:element name="TaxAmount">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="12"/>
          <xsd:fractionDigits value="0"/>
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- TotalAmount (amount of purchase without tax) -->
    <xsd:element name="TotalAmount">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="12"/>
          <xsd:fractionDigits value="0"/>
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
</xsd:schema>

```

Appendix F: XML Schema for B0102 AllowanceConfirm

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:B0102:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:B0102:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- AllowanceConfirm B0102-->
  <xsd:element name="AllowanceConfirm">
    <xsd:complexType>
      <xsd:sequence>
        <!-- AllowanceNumber -->
        <xsd:element name="AllowanceNumber" type="AllowanceNumberType"/>
        <!-- AllowanceDate -->
        <xsd:element name="AllowanceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- ReceiveDate -->
        <xsd:element name="ReceiveDate" type="DateType"/>
        <!-- ReceiveTime -->
        <xsd:element name="ReceiveTime" type="TimeType"/>
        <!-- AllowanceType -->
        <xsd:element name="AllowanceType" type="AllowanceTypeEnum"/>
        <!-- Remark -->
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

Appendix G: XML Schema for A0201 CancelInvoice

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:A0201:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:A0201:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- CancelInvoice: A0201 -->
  <xsd:element name="CancelInvoice">
    <xsd:complexType>
      <xsd:sequence>
        <!-- CancelInvoiceNumber -->
        <xsd:element name="CancelInvoiceNumber" type="InvoiceNumberType"/>
        <!-- InvoiceDate -->
        <xsd:element name="InvoiceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- CancelDate -->
        <xsd:element name="CancelDate" type="DateType"/>
        <!-- CancelTime -->
        <xsd:element name="CancelTime" type="TimeType"/>
        <!-- ReturnTaxDocumentNumber -->
        <xsd:element name="CancelReason">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="20"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element name="ReturnTaxDocumentNumber" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="60"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- Remark -->
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

Appendix H: XML Schema for A0202 CancelInvoiceConfirm

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:A0202:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:A0202:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- CancelInvoiceConfirm: A0202 -->
  <xsd:element name="CancelInvoiceConfirm">
    <xsd:complexType>
      <xsd:sequence>
        <!-- CancelInvoiceNumber -->
        <xsd:element name="CancelInvoiceNumber" type="InvoiceNumberType"/>
        <!-- InvoiceDate -->
        <xsd:element name="InvoiceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- CancelDate -->
        <xsd:element name="CancelDate" type="DateType"/>
        <!-- CancelTime -->
        <xsd:element name="CancelTime" type="TimeType"/>
        <!-- Remark -->
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:minLength value="1"/>
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```


Appendix I: XML Schema for B0201 CancelAllowance

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:B0201:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:B0201:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- CancelAllowance: B0201-->
  <xsd:element name="CancelAllowance">
    <xsd:complexType>
      <xsd:sequence>
        <!-- CancelAllowanceNumber -->
        <xsd:element name="CancelAllowanceNumber" type="AllowanceNumberType"/>
        <!-- AllowanceDate -->
        <xsd:element name="AllowanceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- CancelDate -->
        <xsd:element name="CancelDate" type="DateType"/>
        <!-- CancelTime -->
        <xsd:element name="CancelTime" type="TimeType"/>
        <!-- Remark -->
        <xsd:element name="CancelReason">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:minLength value="1"/>
              <xsd:maxLength value="20"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

Appendix J: XML Schema for B0202 CancelAllowanceConfirm

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:B0202:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:B0202:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- CancelAllowanceConfirm: B0202-->
  <xsd:element name="CancelAllowanceConfirm">
    <xsd:complexType>
      <xsd:sequence>
        <!-- CancelAllowanceNumber -->
        <xsd:element name="CancelAllowanceNumber" type="AllowanceNumberType"/>
        <!-- AllowanceDate -->
        <xsd:element name="AllowanceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- CancelDate -->
        <xsd:element name="CancelDate" type="DateType"/>
        <!-- CancelTime -->
        <xsd:element name="CancelTime" type="TimeType"/>
        <!-- Remark -->
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

Appendix K: XML Schema for A0301 RejectInvoice

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:A0301:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:A0301:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- RejectInvoice: A0301 -->
  <xsd:element name="RejectInvoice">
    <xsd:complexType>
      <xsd:sequence>
        <!-- RejectInvoiceNumber -->
        <xsd:element name="RejectInvoiceNumber" type="InvoiceNumberType"/>
        <!-- InvoiceDate -->
        <xsd:element name="InvoiceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- RejectDate -->
        <xsd:element name="RejectDate" type="DateType"/>
        <!-- RejectTime -->
        <xsd:element name="RejectTime" type="TimeType"/>
        <!-- RejectReason -->
        <xsd:element name="RejectReason">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:minLength value="1"/>
              <xsd:maxLength value="20"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- Remark -->
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

Appendix L: Schema XML Schema for A0302 RejectInvoiceConfirm

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:A0302:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:A0302:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- RejectInvoiceConfirm A0302 -->
  <xsd:element name="RejectInvoiceConfirm">
    <xsd:complexType>
      <xsd:sequence>
        <!-- RejectInvoiceNumber -->
        <xsd:element name="RejectInvoiceNumber" type="InvoiceNumberType"/>
        <!-- InvoiceDate -->
        <xsd:element name="InvoiceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- RejectDate -->
        <xsd:element name="RejectDate" type="DateType"/>
        <!-- RejectTime -->
        <xsd:element name="RejectTime" type="TimeType"/>
        <!-- Remark -->
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

Appendix M: XML Schema for A0401 Invoice

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:A0401:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:A0401:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- Invoice A0401-->
  <xsd:element name="Invoice">
    <xsd:complexType>
      <xsd:sequence>
        <!-- Main -->
        <xsd:element name="Main" type="Main"/>
        <!-- Details -->
        <xsd:element name="Details" type="Details"/>
        <!-- Amount -->
        <xsd:element name="Amount" type="Amount"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <!-- Main -->
  <xsd:complexType name="Main">
    <xsd:sequence>
      <!-- InvoiceNumber -->
      <xsd:element name="InvoiceNumber" type="InvoiceNumberType"/>
      <!-- InvoiceDate -->
      <xsd:element name="InvoiceDate" type="DateType"/>
      <!-- InvoiceTime -->
      <xsd:element name="InvoiceTime" type="TimeType"/>
      <!-- Seller -->
      <xsd:element name="Seller">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <!-- Buyer -->
      <xsd:element name="Buyer">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <!-- CheckNumber -->
      <xsd:element name="CheckNumber" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="10"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <!-- BuyerRemark -->
      <xsd:element name="BuyerRemark" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="BuyerRemarkEnum">
            <xsd:maxLength value="1"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <!-- MainRemark -->
      <xsd:element name="MainRemark" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="200"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>

```

```

        </xsd:simpleType>
    </xsd:element>
    <!-- CustomsClearanceMark -->
    <xsd:element name="CustomsClearanceMark" type="CustomsClearanceMarkEnum"
minOccurs="0"/>
    <!-- TaxCenter -->
    <xsd:element name="TaxCenter" minOccurs="0">
        <xsd:simpleType>
            <xsd:restriction base="xsd:string">
                <xsd:maxLength value="40"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- PermitDate -->
    <xsd:element name="PermitDate" type="DateType" minOccurs="0"/>
    <!-- PermitWord -->
    <xsd:element name="PermitWord" minOccurs="0">
        <xsd:simpleType>
            <xsd:restriction base="xsd:string">
                <xsd:maxLength value="40"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- PermitNumber -->
    <xsd:element name="PermitNumber" minOccurs="0">
        <xsd:simpleType>
            <xsd:restriction base="xsd:string">
                <xsd:maxLength value="20"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- Category -->
    <xsd:element name="Category" minOccurs="0">
        <xsd:simpleType>
            <xsd:restriction base="xsd:string">
                <xsd:maxLength value="2"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- RelateNumber -->
    <xsd:element name="RelateNumber" minOccurs="0">
        <xsd:simpleType>
            <xsd:restriction base="xsd:string">
                <xsd:maxLength value="20"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- InvoiceType -->
    <xsd:element name="InvoiceType" type="InvoiceTypeEnum"/>
    <!-- GroupMark -->
    <xsd:element name="GroupMark" minOccurs="0">
        <xsd:simpleType>
            <xsd:restriction base="xsd:string">
                <xsd:pattern value="[*]"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- DonateMark -->
    <xsd:element name="DonateMark" type="DonateMarkEnum"/>
    <!-- BondedAreaConfirm (for industrial parks / bonded areas / high-sea fishery) -->
    <xsd:element name="BondedAreaConfirm" type="BondedAreaEnum" minOccurs="0"/>
    <!-- Attachment -->
    <xsd:element name="Attachment" minOccurs="0">

```

```

        <xsd:simpleType>
            <xsd:restriction base="xsd:base64Binary">
                <xsd:maxLength value="1048576"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
</xsd:sequence>
</xsd:complexType>
<!-- Details -->
<xsd:complexType name="Details">
    <xsd:sequence>
        <xsd:element name="ProductItem" minOccurs="1" maxOccurs="999">
            <xsd:complexType>
                <xsd:sequence>
                    <!-- Description -->
                    <xsd:element name="Description">
                        <xsd:simpleType>
                            <xsd:restriction base="xsd:string">
                                <xsd:minLength value="1"/>
                                <xsd:maxLength value="256"/>
                            </xsd:restriction>
                        </xsd:simpleType>
                    </xsd:element>
                    <!-- Quantity -->
                    <xsd:element name="Quantity">
                        <xsd:simpleType>
                            <xsd:restriction base="xsd:decimal">
                                <xsd:totalDigits value="20"/>
                                <xsd:fractionDigits value="7"/>
                                <!-- <xsd:minInclusive value="0"/> no negative number limit
                                removed in MiG v3.1.1 on 2014.2.24 -->
                            </xsd:restriction>
                        </xsd:simpleType>
                    </xsd:element>
                    <!-- Unit -->
                    <xsd:element name="Unit" minOccurs="0">
                        <xsd:simpleType>
                            <xsd:restriction base="xsd:string">
                                <xsd:maxLength value="6"/>
                            </xsd:restriction>
                        </xsd:simpleType>
                    </xsd:element>
                    <!-- UnitPrice -->
                    <xsd:element name="UnitPrice">
                        <xsd:simpleType>
                            <xsd:restriction base="xsd:decimal">
                                <xsd:totalDigits value="20"/>
                                <xsd:fractionDigits value="7"/>
                            </xsd:restriction>
                        </xsd:simpleType>
                    </xsd:element>
                    <!-- Amount -->
                    <xsd:element name="Amount">
                        <xsd:simpleType>
                            <xsd:restriction base="xsd:decimal">
                                <xsd:totalDigits value="20"/>
                                <xsd:fractionDigits value="7"/>
                                <xsd:maxInclusive value="999999999999999999"/>
                                <xsd:minInclusive value="-999999999999999999"/>
                            </xsd:restriction>
                        </xsd:simpleType>
                    </xsd:element>
                    <!-- SequenceNumber -->

```

```

        <xsd:element name="SequenceNumber">
            <xsd:simpleType>
                <xsd:restriction base="xsd:string">
                    <xsd:minLength value="1"/>
                    <xsd:maxLength value="3"/>
                </xsd:restriction>
            </xsd:simpleType>
        </xsd:element>
        <!-- Remark -->
        <xsd:element name="Remark" minOccurs="0">
            <xsd:simpleType>
                <xsd:restriction base="xsd:string">
                    <xsd:maxLength value="40"/>
                </xsd:restriction>
            </xsd:simpleType>
        </xsd:element>
        <!-- RelateNumber -->
        <xsd:element name="RelateNumber" minOccurs="0">
            <xsd:simpleType>
                <xsd:restriction base="xsd:string">
                    <xsd:maxLength value="20"/>
                </xsd:restriction>
            </xsd:simpleType>
        </xsd:element>
    </xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<!-- Amount -->
<xsd:complexType name="Amount">
    <xsd:sequence>
        <!-- SalesAmount -->
        <xsd:element name="SalesAmount">
            <xsd:simpleType>
                <xsd:restriction base="xsd:decimal">
                    <xsd:totalDigits value="12"/>
                    <xsd:fractionDigits value="0"/>
                    <xsd:minInclusive value="0"/>
                </xsd:restriction>
            </xsd:simpleType>
        </xsd:element>
        <!-- TaxType -->
        <xsd:element name="TaxType" type="TaxTypeEnum"/>
        <!-- 稅率 -->
        <xsd:element name="TaxRate">
            <xsd:simpleType>
                <xsd:restriction base="xsd:decimal">
                    <xsd:totalDigits value="6"/>
                    <xsd:fractionDigits value="4"/>
                    <xsd:minInclusive value="0"/>
                </xsd:restriction>
            </xsd:simpleType>
        </xsd:element>
        <!-- TaxAmount -->
        <xsd:element name="TaxAmount">
            <xsd:simpleType>
                <xsd:restriction base="xsd:decimal">
                    <xsd:totalDigits value="12"/>
                    <xsd:fractionDigits value="0"/>
                    <xsd:minInclusive value="0"/>
                </xsd:restriction>
            </xsd:simpleType>
        </xsd:element>
    </xsd:sequence>
</xsd:complexType>

```



```

</xsd:element>
<!-- TotalAmount -->
<xsd:element name="TotalAmount">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="12"/>
      <xsd:fractionDigits value="0"/>
      <xsd:minInclusive value="0"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- DiscountAmount -->
<xsd:element name="DiscountAmount" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="12"/>
      <xsd:fractionDigits value="0"/>
      <xsd:minInclusive value="0"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- OriginalCurrencyAmount -->
<xsd:element name="OriginalCurrencyAmount" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="20"/>
      <xsd:fractionDigits value="7"/>
      <xsd:maxInclusive value="99999999999999999999"/>
      <xsd:minInclusive value="0"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- ExchangeRate -->
<xsd:element name="ExchangeRate" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="13"/>
      <xsd:fractionDigits value="4"/>
      <xsd:minInclusive value="0"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Currency -->
<xsd:element name="Currency" type="CurrencyCodeEnum" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>
</xsd:schema>

```

Appendix N: XML Schema for B0401 Allowance

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:B0401:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:B0401:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- Allowance: B0401 -->
  <xsd:element name="Allowance">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="Main" type="Main"/>
        <xsd:element name="Details" type="Details"/>
        <xsd:element name="Amount" type="Amount"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <!-- Main -->
  <xsd:complexType name="Main">
    <xsd:sequence>
      <!-- AllowanceNumber -->
      <xsd:element name="AllowanceNumber" type="AllowanceNumberType"/>
      <!-- AllowanceDate -->
      <xsd:element name="AllowanceDate" type="DateType"/>
      <!-- Seller -->
      <xsd:element name="Seller">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <!-- Buyer -->
      <xsd:element name="Buyer">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="AllowanceType" type="AllowanceTypeEnum"/>
      <xsd:element name="Attachment" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:base64Binary">
            <xsd:maxLength value="1048576"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <!-- Details -->
  <xsd:complexType name="Details">
    <xsd:sequence>
      <xsd:element name="ProductItem" minOccurs="1" maxOccurs="999">
        <xsd:complexType>
          <xsd:sequence>
            <!-- OriginalInvoiceDate -->
            <xsd:element name="OriginalInvoiceDate" type="DateType"/>
            <!-- OriginalInvoiceNumber -->
            <xsd:element name="OriginalInvoiceNumber" type="InvoiceNumberType"/>
            <!-- OriginalSequenceNumber -->
            <xsd:element name="OriginalSequenceNumber" minOccurs="0">
              <xsd:simpleType>
                <xsd:restriction base="xsd:string">
                  <xsd:minLength value="1"/>
                  <xsd:maxLength value="3"/>
                </xsd:restriction>
              </xsd:simpleType>
            </xsd:element>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>

```

```

        </xsd:simpleType>
    </xsd:element>
    <!-- Items -->
    <!-- OriginalDescription -->
    <xsd:element name="OriginalDescription">
        <xsd:simpleType>
            <xsd:restriction base="xsd:string">
                <xsd:minLength value="1"/>
                <xsd:maxLength value="256"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- Quantity -->
    <xsd:element name="Quantity">
        <xsd:simpleType>
            <xsd:restriction base="xsd:decimal">
                <xsd:totalDigits value="20"/>
                <xsd:fractionDigits value="7"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- Unit -->
    <xsd:element name="Unit" minOccurs="0">
        <xsd:simpleType>
            <xsd:restriction base="xsd:string">
                <xsd:maxLength value="6"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- UnitPrice -->
    <xsd:element name="UnitPrice">
        <xsd:simpleType>
            <xsd:restriction base="xsd:decimal">
                <xsd:totalDigits value="20"/>
                <xsd:fractionDigits value="7"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- Amount (amount of purchase without tax) -->
    <xsd:element name="Amount">
        <xsd:simpleType>
            <xsd:restriction base="xsd:decimal">
                <xsd:totalDigits value="20"/>
                <xsd:fractionDigits value="7"/>
                <xsd:maxInclusive value="99999999999999999999"/>
                <xsd:minInclusive value="-99999999999999999999"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- Tax -->
    <xsd:element name="Tax">
        <xsd:simpleType>
            <xsd:restriction base="xsd:decimal">
                <xsd:totalDigits value="20"/>
                <xsd:fractionDigits value="0"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>
    <!-- AllowanceSequenceNumber -->
    <xsd:element name="AllowanceSequenceNumber">
        <xsd:simpleType>
            <xsd:restriction base="xsd:string">
                <xsd:maxLength value="3"/>
            </xsd:restriction>
        </xsd:simpleType>
    </xsd:element>

```

```

        <xsd:minLength value="1"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
  <!-- TaxType -->
  <xsd:element name="TaxType" type="TaxTypeEnum"/>
</xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<!-- Amount -->
<xsd:complexType name="Amount">
  <xsd:sequence>
    <!-- TaxAmount -->
    <xsd:element name="TaxAmount">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="12"/>
          <xsd:fractionDigits value="0"/>
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- TotalAmount (amount of purchase without tax) -->
    <xsd:element name="TotalAmount">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="12"/>
          <xsd:fractionDigits value="0"/>
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
</xsd:schema>

```

Appendix O: XML Schema for A0501 CancelInvoice

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:A0501:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:A0501:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- CancelInvoice: A0501 -->
  <xsd:element name="CancelInvoice">
    <xsd:complexType>
      <xsd:sequence>
        <!-- CancelInvoiceNumber -->
        <xsd:element name="CancelInvoiceNumber" type="InvoiceNumberType"/>
        <!-- InvoiceDate -->
        <xsd:element name="InvoiceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- CancelDate -->
        <xsd:element name="CancelDate" type="DateType"/>
        <!-- CancelTime -->
        <xsd:element name="CancelTime" type="TimeType"/>
        <!-- CancelReason -->
        <xsd:element name="CancelReason">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:minLength value="1"/>
              <xsd:maxLength value="20"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- ReturnTaxDocumentNumber -->
        <xsd:element name="ReturnTaxDocumentNumber" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="60"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- Remark -->
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

</xsd:schema>

Appendix P: XML Schema for B0501 CancelAllowance

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:B0501:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:B0501:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- CancelAllowance: B0501-->
  <xsd:element name="CancelAllowance">
    <xsd:complexType>
      <xsd:sequence>
        <!-- CancelAllowanceNumber -->
        <xsd:element name="CancelAllowanceNumber" type="AllowanceNumberType"/>
        <!-- AllowanceDate -->
        <xsd:element name="AllowanceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="BAN">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- CancelDate -->
        <xsd:element name="CancelDate" type="DateType"/>
        <!-- CancelTime -->
        <xsd:element name="CancelTime" type="TimeType"/>
        <!-- CancelReason -->
        <xsd:element name="CancelReason">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:minLength value="1"/>
              <xsd:maxLength value="20"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

Appendix Q: XML Schema for A0601 RejectAllowance

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:A0601:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:A0601:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- RejectInvoice: A0601 -->
  <xsd:element name="RejectInvoice">
    <xsd:complexType>
      <xsd:sequence>
        <!-- RejectInvoiceNumber -->
        <xsd:element name="RejectInvoiceNumber" type="InvoiceNumberType"/>
        <!-- InvoiceDate -->
        <xsd:element name="InvoiceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- RejectDate -->
        <xsd:element name="RejectDate" type="DateType"/>
        <!-- RejectTime -->
        <xsd:element name="RejectTime" type="xsd:time"/>
        <!-- RejectReason -->
        <xsd:element name="RejectReason">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:minLength value="1"/>
              <xsd:maxLength value="20"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- Remark -->
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```


Appendix R: XML Schema for C0401 B2C Invoice

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:C0401:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:C0401:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- Invoice C0401-->
  <xsd:element name="Invoice">
    <xsd:complexType>
      <xsd:sequence>
        <!-- Main -->
        <xsd:element name="Main" type="Main"/>
        <!-- Details -->
        <xsd:element name="Details" type="Details"/>
        <!-- Amount -->
        <xsd:element name="Amount" type="Amount"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <!-- Main -->
  <xsd:complexType name="Main">
    <xsd:sequence>
      <!-- InvoiceNumber -->
      <xsd:element name="InvoiceNumber" type="InvoiceNumberType"/>
      <!-- InvoiceDate -->
      <xsd:element name="InvoiceDate" type="DateType"/>
      <!-- InvoiceTime -->
      <xsd:element name="InvoiceTime" type="TimeType"/>
      <!-- Seller -->
      <xsd:element name="Seller">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <!-- Buyer -->
      <xsd:element name="Buyer">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <!-- CheckNumber -->
      <xsd:element name="CheckNumber" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="10"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <!-- BuyerRemark -->
      <xsd:element name="BuyerRemark" type="BuyerRemarkEnum" minOccurs="0"/>
      <!-- 總備註 -->
      <xsd:element name="MainRemark" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:maxLength value="200"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <!-- CustomsClearanceMark -->
      <xsd:element name="CustomsClearanceMark" type="CustomsClearanceMarkEnum"
minOccurs="0"/>

```

```

<!-- TaxCenter -->
<xsd:element name="TaxCenter" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="40"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- PermitDate -->
<xsd:element name="PermitDate" type="DateType" minOccurs="0"/>
<!-- PermitWord -->
<xsd:element name="PermitWord" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string" >
      <xsd:maxLength value="40"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- PermitNumber -->
<xsd:element name="PermitNumber" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="20"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Category -->
<xsd:element name="Category" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="2"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- RelateNumber -->
<xsd:element name="RelateNumber" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="20"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- InvoiceType -->
<xsd:element name="InvoiceType" type="InvoiceTypeEnum"/>
<!-- GroupMark -->
<xsd:element name="GroupMark" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:pattern value="[*]"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- DonateMark -->
<xsd:element name="DonateMark" type="DonateMarkEnum"/>
<!-- CarrierType -->
<xsd:element name="CarrierType" type="CarrierTypeEnum" minOccurs="0"/>
<!-- CarrierId1 -->
<xsd:element name="CarrierId1" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="64"/>
    </xsd:restriction>
  </xsd:simpleType>

```

```

</xsd:element>
<!-- CarrierId2 -->
<xsd:element name="CarrierId2" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="64"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- PrintMark -->
<xsd:element name="PrintMark">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:length value="1"/>
      <xsd:pattern value="[YN]"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Invoice Donate Object -->
<xsd:element name="NPOBAN" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="10"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Invoice Random Number -->
<xsd:element name="RandomNumber">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="4"/>
      <xsd:pattern value="[0-9][0-9][0-9][0-9]|AAAA"/>
      <!-- <xsd:pattern value="[0-9,A][0-9,A][0-9,A][0-9,A]"/>2014.3.21 MiGv3.1.1 修

```

改-->

```

    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<!-- Details -->
<xsd:complexType name="Details">
  <xsd:sequence>
    <xsd:element name="ProductItem" minOccurs="1" maxOccurs="999">
      <xsd:complexType>
        <xsd:sequence>
          <!-- Description -->
          <xsd:element name="Description">
            <xsd:simpleType>
              <xsd:restriction base="xsd:string">
                <xsd:maxLength value="256"/>
              </xsd:restriction>
            </xsd:simpleType>
          </xsd:element>
          <!-- Quantity -->
          <xsd:element name="Quantity">
            <xsd:simpleType>
              <xsd:restriction base="xsd:decimal">
                <xsd:totalDigits value="20"/>
                <xsd:fractionDigits value="7"/>
              </xsd:restriction>
            </xsd:simpleType>
          </xsd:element>
          <!-- Unit -->

```

```

    <xsd:element name="Unit" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="6"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- UnitPrice -->
    <xsd:element name="UnitPrice">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="20"/>
          <xsd:fractionDigits value="7"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- Amount -->
    <xsd:element name="Amount">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="20"/>
          <xsd:fractionDigits value="7"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- SequenceNumber -->
    <xsd:element name="SequenceNumber">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="3"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- Remark -->
    <xsd:element name="Remark" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="40"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <!-- RelateNumber -->
    <xsd:element name="RelateNumber" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:maxLength value="20"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<!-- Amount -->
<xsd:complexType name="Amount">
  <xsd:sequence>
    <!-- SalesAmount -->
    <xsd:element name="SalesAmount">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:totalDigits value="20"/>
          <xsd:fractionDigits value="7"/>

```

```

        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- FreeTaxSalesAmount -->
<xsd:element name="FreeTaxSalesAmount">
    <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
            <xsd:totalDigits value="20"/>
            <xsd:fractionDigits value="7"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- ZeroTaxSalesAmount -->
<xsd:element name="ZeroTaxSalesAmount">
    <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
            <xsd:totalDigits value="20"/>
            <xsd:fractionDigits value="7"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- TaxType -->
<xsd:element name="TaxType" type="TaxTypeEnum"/>
<!-- TaxRate -->
<xsd:element name="TaxRate">
    <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
            <xsd:totalDigits value="6"/>
            <xsd:fractionDigits value="4"/>
            <xsd:minInclusive value="0"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- TaxAmount -->
<xsd:element name="TaxAmount">
    <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
            <xsd:totalDigits value="20"/>
            <xsd:fractionDigits value="7"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- TotalAmount -->
<xsd:element name="TotalAmount">
    <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
            <xsd:totalDigits value="20"/>
            <xsd:fractionDigits value="7"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- DiscountAmount -->
<xsd:element name="DiscountAmount" minOccurs="0">
    <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
            <xsd:totalDigits value="20"/>
            <xsd:fractionDigits value="7"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- OriginalCurrencyAmount -->
<xsd:element name="OriginalCurrencyAmount" minOccurs="0">
    <xsd:simpleType>

```

```
        <xsd:restriction base="xsd:decimal">
            <xsd:totalDigits value="20"/>
            <xsd:fractionDigits value="7"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- ExchangeRate -->
<xsd:element name="ExchangeRate" minOccurs="0">
    <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
            <xsd:totalDigits value="13"/>
            <xsd:fractionDigits value="4"/>
            <xsd:minInclusive value="0"/>
        </xsd:restriction>
    </xsd:simpleType>
</xsd:element>
<!-- Currency -->
<xsd:element name="Currency" type="CurrencyCodeEnum" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>
</xsd:schema>
```

Appendix S: XML Schema for C0501 B2C CancelInvoice

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:C0501:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:C0501:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- CancelInvoice: C0501 -->
  <xsd:element name="CancelInvoice">
    <xsd:complexType>
      <xsd:sequence>
        <!-- CancelInvoiceNumber -->
        <xsd:element name="CancelInvoiceNumber" type="InvoiceNumberType"/>
        <!-- InvoiceDate -->
        <xsd:element name="InvoiceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- CancelDate -->
        <xsd:element name="CancelDate" type="DateType"/>
        <!-- CancelTime -->
        <xsd:element name="CancelTime" type="TimeType"/>
        <xsd:element name="CancelReason">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:whiteSpace value="collapse"/>
              <xsd:minLength value="1"/>
              <xsd:maxLength value="20"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element name="ReturnTaxDocumentNumber" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="60"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

Appendix T: XML Schema for C0701 B2C VoidInvoice

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:C0701:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:C0701:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- VoidInvoice: C0701 -->
  <xsd:element name="VoidInvoice">
    <xsd:complexType>
      <xsd:sequence>
        <!-- VoidInvoiceNumber -->
        <xsd:element name="VoidInvoiceNumber" type="InvoiceNumberType"/>
        <!-- InvoiceDate -->
        <xsd:element name="InvoiceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- VoidDate -->
        <xsd:element name="VoidDate" type="DateType"/>
        <!-- VoidTime -->
        <xsd:element name="VoidTime" type="TimeType"/>
        <!-- VoidReason -->
        <xsd:element name="VoidReason">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:whiteSpace value="collapse"/>
              <xsd:minLength value="1"/>
              <xsd:maxLength value="20"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```


Appendix U: XML Schema for D0401 B2C Allowance

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:D0401:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:D0401:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- Allowance: D0401 -->
  <xsd:element name="Allowance">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="Main" type="Main"/>
        <xsd:element name="Details" type="Details"/>
        <xsd:element name="Amount" type="Amount"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <!-- Main -->
  <xsd:complexType name="Main">
    <xsd:sequence>
      <!-- AllowanceNumberType -->
      <xsd:element name="AllowanceNumber" type="AllowanceNumberType"/>
      <!-- DateType -->
      <xsd:element name="AllowanceDate" type="DateType"/>
      <!-- Seller -->
      <xsd:element name="Seller">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <!-- Buyer -->
      <xsd:element name="Buyer">
        <xsd:complexType mixed="false">
          <xsd:group ref="RoleDescriptionType"/>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="AllowanceType" type="AllowanceTypeEnum"/>
      <xsd:element name="Attachment" minOccurs="0">
        <xsd:simpleType>
          <xsd:restriction base="xsd:base64Binary">
            <xsd:maxLength value="1048576"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <!-- Details -->
  <xsd:complexType name="Details">
    <xsd:sequence>
      <xsd:element name="ProductItem" minOccurs="1" maxOccurs="999">
        <xsd:complexType>
          <xsd:sequence>
            <!-- OriginalInvoiceDate -->
            <xsd:element name="OriginalInvoiceDate" type="DateType"/>
            <!-- OriginalInvoiceNumber -->
            <xsd:element name="OriginalInvoiceNumber" type="InvoiceNumberType"/>
            <!-- OriginalSequenceNumber -->
            <xsd:element name="OriginalSequenceNumber" minOccurs="0">
              <xsd:simpleType>
                <xsd:restriction base="xsd:string">
                  <xsd:maxLength value="3"/>
                </xsd:restriction>
              </xsd:simpleType>
            </xsd:element>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>

```

```

</xsd:element>
<!-- Items -->
<!-- OriginalDescription -->
<xsd:element name="OriginalDescription">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="256"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Quantity -->
<xsd:element name="Quantity">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="20"/>
      <xsd:fractionDigits value="7"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Unit -->
<xsd:element name="Unit" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="6"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- UnitPrice -->
<xsd:element name="UnitPrice">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="20"/>
      <xsd:fractionDigits value="7"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Amount (amount of purchase without tax) -->
<xsd:element name="Amount">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="20"/>
      <xsd:fractionDigits value="7"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- Tax -->
<xsd:element name="Tax">
  <xsd:simpleType>
    <xsd:restriction base="xsd:decimal">
      <xsd:totalDigits value="20"/>
      <xsd:fractionDigits value="7"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<!-- AllowanceSequenceNumber -->
<xsd:element name="AllowanceSequenceNumber">
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:maxLength value="3"/>
      <xsd:minLength value="1"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>

```

```
                <!-- TaxType -->
                <xsd:element name="TaxType" type="TaxTypeEnum"/>
            </xsd:sequence>
        </xsd:complexType>
    </xsd:element>
</xsd:sequence>
</xsd:complexType>
<!-- Amount -->
<xsd:complexType name="Amount">
    <xsd:sequence>
        <!-- TaxAmount -->
        <xsd:element name="TaxAmount">
            <xsd:simpleType>
                <xsd:restriction base="xsd:decimal">
                    <xsd:totalDigits value="20"/>
                    <xsd:fractionDigits value="7"/>
                </xsd:restriction>
            </xsd:simpleType>
        </xsd:element>
        <!-- TotalAmount (amount of purchase without tax) -->
        <xsd:element name="TotalAmount">
            <xsd:simpleType>
                <xsd:restriction base="xsd:decimal">
                    <xsd:totalDigits value="20"/>
                    <xsd:fractionDigits value="7"/>
                </xsd:restriction>
            </xsd:simpleType>
        </xsd:element>
    </xsd:sequence>
</xsd:complexType>
</xsd:schema>
```

Appendix V: XML Schema for D0501 B2C CancelAllowance

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:D0501:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:D0501:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- CancelAllowance: D0501-->
  <xsd:element name="CancelAllowance">
    <xsd:complexType>
      <xsd:sequence>
        <!-- CancelAllowanceNumber -->
        <xsd:element name="CancelAllowanceNumber" type="AllowanceNumberType"/>
        <!-- AllowanceDate mod:date=>DateType -->
        <xsd:element name="AllowanceDate" type="DateType"/>
        <!-- BuyerId -->
        <xsd:element name="BuyerId">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- SellerId -->
        <xsd:element name="SellerId">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="10"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!-- CancelDate -->
        <xsd:element name="CancelDate" type="DateType"/>
        <!-- CancelTime -->
        <xsd:element name="CancelTime" type="TimeType"/>
        <!-- Remark -->
        <xsd:element name="CancelReason">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:whiteSpace value="collapse"/>
              <xsd:minLength value="1"/>
              <xsd:maxLength value="20"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element name="Remark" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:maxLength value="200"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

Appendix W: XML Schema for E0401 BrancTrack

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:E0401:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:E0401:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- BranchTrack E0401-->
  <xsd:element name="BranchTrack">
    <xsd:complexType>
      <xsd:sequence>
        <!-- Main -->
        <xsd:element name="Main" type="Main"/>
        <!-- Details -->
        <xsd:element name="Details" type="Details"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <!-- Main -->
  <xsd:complexType name="Main">
    <xsd:sequence>
      <!--HeadBan -->
      <xsd:element name="HeadBan" type="BAN"/>
    <!--BranchBan -->
    <xsd:element name="BranchBan" type="BAN"/>
    <!--InvoiceType -->
    <xsd:element name="InvoiceType" type="InvoiceTypeEnum"/>
    <!--YearMonth -->
    <xsd:element name="YearMonth" >
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:minLength value="5"/>
          <xsd:maxLength value="5"/>
          <xsd:pattern value="\d{3}0[2|4|6|8]|\d{3}1[0|2]"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  <!--InvoiceTrack -->
  <xsd:element name="InvoiceTrack" >
    <xsd:simpleType>
      <xsd:restriction base="xsd:string">
        <xsd:minLength value="2"/>
        <xsd:maxLength value="2"/>
        <xsd:pattern value="[A-Z]{2}"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
  <!--InvoiceBeginNo -->
  <xsd:element name="InvoiceBeginNo" >
    <xsd:simpleType>
      <xsd:restriction base="xsd:string">
        <xsd:minLength value="8"/>
        <xsd:maxLength value="8"/>
        <xsd:pattern value="\d{8}"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
  <!--InvoiceEndNo -->
  <xsd:element name="InvoiceEndNo" >
    <xsd:simpleType>
      <xsd:restriction base="xsd:string">
        <xsd:minLength value="8"/>
        <xsd:maxLength value="8"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>

```

```

        <xsd:pattern value="\d{8}"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
</xsd:sequence>
</xsd:complexType>
<!-- Details -->
<xsd:complexType name="Details">
  <xsd:sequence>
    <xsd:element name="BranchTrackItem" minOccurs="1" maxOccurs="25000">
      <xsd:complexType>
        <xsd:sequence>
<!--InvoiceBeginNo -->
          <xsd:element name="InvoiceBeginNo" >
            <xsd:simpleType>
              <xsd:restriction base="xsd:string">
                <xsd:minLength value="8"/>
                <xsd:maxLength value="8"/>
                <xsd:pattern value="\d{8}"/>
              </xsd:restriction>
            </xsd:simpleType>
          </xsd:element>
<!--InvoiceEndNo -->
          <xsd:element name="InvoiceEndNo" >
            <xsd:simpleType>
              <xsd:restriction base="xsd:string">
                <xsd:minLength value="8"/>
                <xsd:maxLength value="8"/>
                <xsd:pattern value="\d{8}"/>
              </xsd:restriction>
            </xsd:simpleType>
          </xsd:element>
<!--InvoiceBooklet -->
          <xsd:element name="InvoiceBooklet" >
            <xsd:simpleType>
              <xsd:restriction base="xsd:long">
                <xsd:totalDigits value="10"/>
                <xsd:minInclusive value="0"/>
              </xsd:restriction>
            </xsd:simpleType>
          </xsd:element>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
</xsd:schema>

```

Appendix X: XML Schema for E0402 BranchTrackBlank

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:eInvoiceMessage:E0402:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:eInvoiceMessage:E0402:3.2" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericType_3.2.xsd"/>
  <!-- BranchTrackBlank E0402-->
  <xsd:element name="BranchTrackBlank">
    <xsd:complexType>
      <xsd:sequence>
        <!-- Main -->
        <xsd:element name="Main" type="Main"/>
        <!-- Details -->
        <xsd:element name="Details" type="Details"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <!-- Main -->
  <xsd:complexType name="Main">
    <xsd:sequence>
      <!--HeadBan -->
      <xsd:element name="HeadBan" type="BAN"/>
      <!--BranchBan -->
      <xsd:element name=" BranchBan" type="BAN"/>
      <!--InvoiceType -->
      <xsd:element name="InvoiceType" type="InvoiceTypeEnum"/>
      <!--YearMonth -->
      <xsd:element name="YearMonth" >
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:minLength value="5"/>
            <xsd:maxLength value="5"/>
            <xsd:pattern value="\d{3}0[2|4|6|8]|\d{3}1[0|2]"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
  <!--InvoiceTrack -->
  <xsd:element name="InvoiceTrack" >
    <xsd:simpleType>
      <xsd:restriction base="xsd:string">
        <xsd:minLength value="2"/>
        <xsd:maxLength value="2"/>
        <xsd:pattern value="[A-Z]{2}"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
  </xsd:sequence>
</xsd:complexType>
  <!-- Details -->
  <xsd:complexType name="Details">
    <xsd:sequence>
      <xsd:element name=" BranchTrackBlankItem" minOccurs="1" maxOccurs="10000">
        <xsd:complexType>
          <xsd:sequence>
            <!--InvoiceBeginNo -->
            <xsd:element name="InvoiceBeginNo" >
              <xsd:simpleType>
                <xsd:restriction base="xsd:string">
                  <xsd:minLength value="8"/>
                  <xsd:maxLength value="8"/>
                  <xsd:pattern value="\d{8}"/>
                </xsd:restriction>
              </xsd:simpleType>
            </xsd:element>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>

```

```
        </xsd:simpleType>
      </xsd:element>
    <!--InvoiceEndNo -->
    <xsd:element name="InvoiceEndNo" >
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:minLength value="8"/>
          <xsd:maxLength value="8"/>
          <xsd:pattern value="\d{8}"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:schema>
```


Appendix Y: XML Schema for E0501 InvoiceAssignNo

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="urn:GEINV:E0501:3.2" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
targetNamespace="urn:GEINV:E0501:3.2" elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericResult_3.2.xsd"/>
  <!--InvoiceAssignNo:E0501 -->
  <xsd:element name="InvoiceAssignNo">
    <xsd:complexType>
      <xsd:sequence>
        <!--Ban -->
        <xsd:element name="Ban" type="BAN"/>
        <!--InvoiceType -->
        <xsd:element name="InvoiceType" type="InvoiceTypeEnum"/>
        <!--YearMonth -->
        <xsd:element name="YearMonth" >
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:minLength value="5"/>
              <xsd:maxLength value="5"/>
              <xsd:pattern value="\d{3}0[2|4|6|8]\d{3}1[0|2]"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!--InvoiceTrack -->
        <xsd:element name="InvoiceTrack" >
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:minLength value="2"/>
              <xsd:maxLength value="2"/>
              <xsd:pattern value="[A-Z]{2}"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!--InvoiceBeginNo -->
        <xsd:element name="InvoiceBeginNo" >
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:minLength value="8"/>
              <xsd:maxLength value="8"/>
              <xsd:pattern value="\d{8}"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!--InvoiceEndNo -->
        <xsd:element name="InvoiceEndNo" >
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:minLength value="8"/>
              <xsd:maxLength value="8"/>
              <xsd:pattern value="\d{8}"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <!--InvoiceBooklet -->
        <xsd:element name="InvoiceBooklet" >
          <xsd:simpleType>
            <xsd:restriction base="xsd:long">
              <xsd:totalDigits value="10"/>
              <xsd:minInclusive value="0"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>

```

```
</xsd:sequence>  
</xsd:complexType>  
</xsd:element>  
</xsd:schema>
```