Fiskalization Data Service

Technical Specifications

Versions

Version	Description of Change
v01	Initial Version Deploy on PROD

Related dokuments

Document name	Description
FiscalizationDataService – Technical Specification	All processes described

1. Introduction

This document provides a description of the data interface for invoice and acknowledgement of data messages containing information on sales which the taxpayers are obliged to send for every sale made and subject to registration of Sales, i.e. invoices issued.

Files containing definition of the XML schema and the Web service (WSDL), which describe the structure of the registered invoice data messages and the Web service used to receive them are provided as Annexes 6.3 and 8 to this document.

This documant provides technical specifications of the service “FiscalizationDataService”.

Shkurtimi	Përshkrim	Terminologjia e përdorur në Projekt-Ligj (nëse është ndryshe)
XML Schema	A XML-based language intended for definition of XML document structure as specified at http://www.w3.org/TR/xmlschema11-1/ Dhe në https://www.w3.org/TR/xmlschema11-2/	-
SOAP	Message exchange protocol for XML messages as specified at: https://www.w3.org/TR/soap/	-
WSDL	Web Services Description Language –XML-based language for description of functions offered by a WWW service as specified at http://www.w3.org/TR/wsdl	-

1.1 TERMINOLOGY

Termi	Përkufizimi	Terminologjia e përdorur në Ligj (nëse është ndryshe)
Response data message	A data structure in a defined format prescribed by the financial authority, which contains the Fiscal Identification Code (FIC) and is used as acknowledgement of invoice and formal correctness of the registered invoice data message sent.	A data structure in a defined format rescribed by the financial authority, which contains Unique invoice identifier (UII) and is used as acknowledgement of invoice and formal correctness of the registered invoice data message sent.
Error Data Message	A data structure in a defined format prescribed by the financial authority, which contains an error code and its text description as a reaction to a registered invoice data message received containing critical errors preventing it from being processed, or when another error occurs which prevents the message being processed at the tax authority's side.	-

Invoice	An invoice is a proof of sale issued (in paper form or electronically) by a taxpayer to a person or entity making a purchase, which contains all information regarding totals of the sale and items. Invoice shall mean any document issued in paper or in electronic form, which satisfies the requirements provided under the draft Law "ON INVOICES AND THE SYSTEM FOR MONITORING TRANSACTIONS"	-
Invoice Issuer	Person who is issuing the invoice. Issuer of the invoice is responsible for the fiscalization of the invoice in CIS. This person is in most cases the seller of goods and services but in case of self-billing invoice, the issuer is the buyer of goods and services	-
Registered Invoice	Invoice which is registered on CIS containing FIC.	Invoice which is registered on CIS containing UII.
Registered invoice data message	A data structure in a defined format prescribed by the fiscal authority, which contains information about the sale and other technical information necessary. This is a complete XML message containing information described in the relevant Web service standards: SOAP/WSDL/WS-Security, etc. A registered invoice data message is sent by an electronic cash device to the tax authority's common technical equipment (Central invoice system)..	-

1. Environments

An extract has been made of the code implemented in Fiscalizatin Service to receive Invoices and the implementation as a web service. (Figure 1)

- **Non-production environment** will be used solely by software developers (developing software for cash registers), not by cash registers' end users. Sending a data message to the non-production environment shall not be considered sending of registered invoice information. The FIC returned by the non-production environment is not a valid FIC (it is different per prefix). In the non-production environment, digital certificates for cash registers may be issued using a simplified process.
- **Production environment** is intended for the taxpayers and will be used for routine operations, i.e. receipt and acknowledgement of data messages containing information on registered sales.

Access points:

- Test environment:
  https://efiskalizimi-test.tatime.gov.al/FiscalizationDataService-v1/FiscalizationDataService.wsdl
- Production environment:
  https://efiskalizimi.tatime.gov.al/FiscalizationDataService-v1/FiscalizationDataService.wsdl

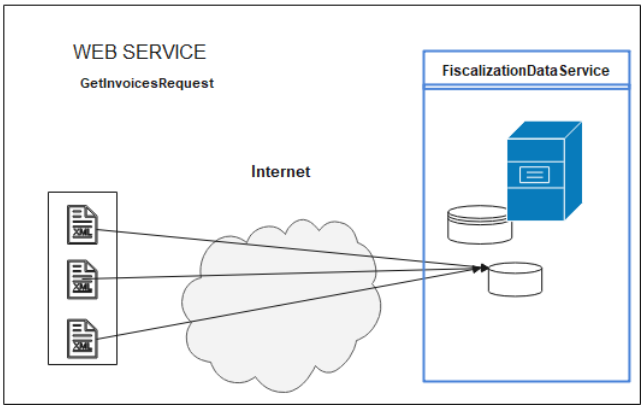

Figura 1. Webservice FiscalizationDataService

2 GET INVOICES REQUEST

The issuer's ERP can use this method to retrieve cash, non-cash and electronic invoices.

2.1 Get invoices Request Data Message

Atrributes and elements on “Request” bazed on the fiscalization period

Emri	Lloji i fushës	Ngjarja [Min, Max]	Përshkrimi
GetInvoicesRequest	Root	[1, 1]	Root XML element representing the request message
Id	Attribute	[1, 1]	Attribute used for signature creation and verification. Fixed value “Request”.
Version	Attribute	[1,1]	Attribute used to specify compliance with XSD schema. For this version fixed value is “3”.
Header	Element	[1, 1]	XML element representing header of the invoice containing data about the message (request) sent.
UUID	Attribute	[1, 1]	UUID generated by a TCR for every register sale data message send to the CIS.
SendDateTime	Attribute	[1, 1]	Date and time of sending the register invoice data message from ERP to the CIS.
FromDate	Element	[1, 1]	The start date for filtering invoices in the period. If set, this method finds all invoices belonging to the period that is starting on the start date.
ToDate	Element	[1, 1]	The end date for filtering of invoices ends the filtering period. If set, this method finds all invoices belonging to the period that ends on the end date.
Page	Element	[1, 1]	Number of “Pagination“
InvTransactionType	Element	[1, 1]	The element that determines whether the invoice is a purchase or sales invoice (sales/purchases)
Signature	Element	[1, 1]	XML element representing signature for the invoice.

Tabela 1

To retrive a single invoice, the difference is in the inserting an "FIC" element and the type of invoice, whether it is a purchase invoice or a sales invoice, as shown in the table below.

Emri	Lloji i fushës	Ngjarja [Min, Max]	Përshkrimi
GetInvoicesRequest	Root	[1, 1]	Root XML element representing the request message.
Id	Attribute	[1, 1]	Attribute used for signature creation and verification. Fixed value “Request”.
Version	Attribute	[1,1]	Attribute used to specify compliance with XSD schema. For this version fixed value is “3”.
Header	Element	[1, 1]	XML element representing header of the invoice containing data about the message (request) sent.
UUID	Attribute	[1, 1]	UUID generated by a TCR for every register sale data message send to the CIS.
SendDateTime	Attribute	[1, 1]	Date and time of sending the register invoice data message from ERP to the CIS.
FIC	Attribute	[1, 1]	FIC of invoice
InvTransactionType	Element	[1, 1]	The element that determines whether the invoice is a purchase or sales invoice (sales/purchases)
Signature	Element	[1, 1]	XML element representing signature for the invoice.

Tabela 2

2.1.1 Header

XML element representing header of the request data message.

2.1.2 Header UUID

Element generated by the TCR. It uniquely identifies the request message sent from TCR to CIS. UUID should be constructed according to the RFC4122 version 4.

Data type	String
Length	36 characters
Pattern	[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[1-5][0-9a-fA-F]{3}-[89abAB][0-9a-fA-F]{3}-[0-9a-fA-F]{12}
Example	4fa2f910-b8a5-43d5-9c34-910ce3fce84a 4FA2F910-B8A5-43D5-9C34-910CE3FCE84A

Tabela 3

2.1.3 Header SendDateTime

Element represents date and time of sending the request message to the CIS. Date and time should be in ISO 8601 format.

Data type	dateTime
Pattern	[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{3}[+-][0-9]{2}:[0-9]{2}
Example	2023-08-14T13:47:53+02:00 2023-08-18T22:00:58-01:00

Tabela 4

2.1.4 FromDate

This represents element ERP can filter all invoices, taking the period that the start date "FromDate”.

Data type	dateTime
Pattern	[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}

Example	2023-08-14T00:00:00

Tabela 5

2.1.5 ToDate

This represents element ERP can filter all invoices, taking the period that the start date "FromDate".
daten e mbarimit “ToDate”.

Data type	dateTime
Pattern	[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}
Example	2023-08-14T24:59:59

Tabela 6

2.1.6 InvTransactionType

This element ERP filters the type of invoice if is purchase or sale transaction

Data type	string
Values	Enumeration, described in the table below.
Example	SALES

Tabela 7

The below table shows the list of allowed values.

Value	**Description**
SALES	Fature shitje
PURCHASES	Fature blerje

Tabela 8

2.1.7 FIC

FIC of the invoice in CIS.

Data type	string
Size	32 karaktere
Pattern	[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[1-5][0-9a-fA-F]{3}-[89abAB][0-9a-fA-F]{3}-[0-9a-fA-F]{12}
Example	cee660a4-1494-4d01-83a3-f323b1de2cf1

Tabela 9

2.1.8 Signature

XML element stores enveloped digital signature.

3 Get invoices Response Data Message

Find below the XML Response fields when the request filters and retrives all invoices based on issue date (FromDate and ToDate) or an invoice based on the invoice's FIC. When the message request is based on FIC, the attributes of the items listed in the table below will be displayed, highlighted in a darker color.

3.1 Get invoices Request Data Message

Name	Type	Length [Min, Max]	Description
GetInvoicesResponse	Element	[1, 1]	Root XML element representing register invoice response message.
Id	Attribute	[1, 1]	Attribute used for signature creation and verification. Fixed value “Response”.
Version	Attribute	[1,1]	Attribute used to specify compliance with XSD schema. For this version fixed value is “3”.
Header	Element	[1, 1]	XML element representing generic message data about the response sent.
UUID	Attribute	[1, 1]	UUID generated by a CIS for every register invoice response data message send to the TCR.
RequestUUID	Attribute	[1, 1]	UUID of the request message for which this response message was sent.
SendDateTime	Attribute	[1, 1]	Date and time of sending the register invoice response data message from a CIS to the TCR.
Invoices	Element	[1, 1]	XML element representing the invoices
count	Element	[1, 1]	XML element represing number of invoices in Response (when the request is based on FIC is always 1)
Inv	Element	[0, 1000]	XML element representing invoice in Response
TypeOfInv	Element	[0, 1]	XML element representing the type of invoice (cash /noncash)
TypeOfSelfIss	Attribute	[0, 1]	Entered only if invoice is self-issued.
IsSimplifiedInv	Attribute	[1, 1]	Is invoice simplified
IssueDateTime	Attribute	[1, 1]	Date and time when the invoice is created and issued at TCR.
InvNum	Attribute	[1, 1]	Invoice number composed of invoice ordinal number, year of invoice issuance and code of TCR that issued invoice.
InvOrdNum	Attribute	[1, 1]	Invoice ordinal number.
TCRCode	Attribute	[0, 1]	Code of the device that issued the invoice.

			IsIssuerInVAT	Attribute	[1, 1]	Issuer is in VAT register
			TaxFreeAmt	Attribute	[0, 1]	The total amount of goods and services delivered when VAT is not charged
			MarkUpAmt	Attribute	[0, 1]	Amount related to special procedure for margin scheme
			GoodsExAmt	Attribute	[0, 1]	Amount of goods for export from the Republic of Albania.
			TotPriceWoVAT	Attribute	[1, 1]	Total price of the invoice excluding VAT.
			TotVATAmt	Attribute	[0, 1]	Total price of the invoice excluding VAT
			TotPrice	Attribute	[1, 1]	Total price of all items including taxes and discounts
			OperatorCode	Attribute	[1, 1]	Reference to the operator code, who is operating on TCR and issues invoices
			BusinUnitCode	Attribute	[1, 1]	Business unit (premise) code
			SoftCode	Attribute	[1, 1]	Software code
			ImpCustDecNum	Attribute	[0, 1]	Import customs declaration number. Only for internal usage. Must not be populated by a TCR.
			IIC	Attribute	[1, 1]	Issuer's invoice code calculated as MD5 hash from IICSignature attribute.
			FIC	Attribute	[1, 1]	FIC of the required invoice
			IICSignature	Attribute	[1, 1]	Signed issuer's invoice code concatenated parameters
			IsReverseCharge	Attribute	[1, 1]	If true, the buyer is obliged to pay the VAT.
			PayDeadline	Attribute	[0, 1]	Last day for payment.
			SumInvIICRefs	Element	[0, 1]	XML element that contains list of IIC-s to which this invoice referred to, e.g. if this is a summary invoice it shall contain a reference to each individual invoice issued and fiscalized before and included in this summary invoice..
			SumInvIICRef	Element	[1, 1000]	XML element that contains one IIC reference, e.g. reference of the invoice that is part of the summary invoice.
			IIC	Attribute	[1, 1]	IIC of the invoice that is referenced in the summary invoice.
			IssueDateTime	Attribute	[1, 1]	Date and time the invoice referenced by the summary invoice is created and issued at TCR.
			IsEinvoice	Attribute	[1, 1]	If invoice is created for einvoice.
			EIC	Element	[1, 1]	CIS generates the verification code that can be used to uniquely identify the registered electronic invoice.
			CorrectiveInv	Element	[0, 1]	XML element groups data for an original invoice that will be corrected with current invoice.
			IICRef	Attribute	[1, 1]	IIC reference on the original invoice.
			IssueDateTime	Attribute	[1, 1]	Date and time the original invoice is created and issued at TCR.
			Type	Attribute	[1, 1]	Type of the corrective invoice.
			BadDebtInv	Attribute	[1, 1]	XML element groups data for an original invoice that will be declared bad debt invoice, as uncollectible.
			IICRef	Attribute	[1, 1]	IIC reference on the original invoice
			IssueDateTime	Attribute	[1, 1]	Date and time the original invoice is created and issued at TCR
			SupplyDateOrPeriod	Element	[0, 1]	XML element representing supply date or period of supply, if it is different from the date when the invoice was issued.
			Start	Attribute	[1, 1]	Start day of the supply.
			End	Attribute	[1, 1]	End day of the supply.
			PayMethod	Element	[0, 1]	XML element representing list of payment methods
			Type	Attribute	[1, 1]	XML element representing one payment method
			Amt	Attribute	[1, 1]	Amount payed by payment method in the ALL.
			CompCard	Attribute	[0, 1]	Company card number if the payment method is company card.
			Vouchers	Element	[0, 1]	XML element that contains list of voucher numbers if the payment method is voucher..
			Voucher	Attribute	[1, 20]	XML element that contains one voucher number..
			Num	Attribute	[1, 1]	Voucher serial number
			Currency	Element	[0, 1]	XML element representing currency in which the amount on the invoice should be paid, if different from ALL
			Code	Attribute	[1, 1]	Currency code in which the amount on the invoice should be paid, if different from ALL.
			ExRate	Attribute	[1, 1]	Exchange rate applied to calculate the equivalent amount of foreign currency for the total amount expressed in ALL. Exchange rate express equivalent amount of ALL for 1 unit of foreign currency.
			IsBuying	Attribute	[1, 1]	True if exchange transaction is buying of the foreign currency. False if exchange transaction is selling of the foreign currency.
			Seller	Element	[1, 1]	XML element representing seller's data.
			IDType	Attribute	[1, 1]	Seller's identification number type.
			Name	Attribute	[1, 1]	Seller's identification name.
			IDNum	Attribute	[1, 1]	Seller's identification number.
			Country	Attribute	[1, 1]	Seller's country.
			Address	Attribute	[1, 1]	Seller's address.
			Town	Attribute	[1, 1]	Seller's town.
			Buyer	Element	[0, 1]	XML element representing buyer's data.
			IDType	Attribute	[1, 1]	Buyer's identification number type
			Name	Attribute	[1, 1]	Buyer's name
			IDNum	Attribute	[1, 1]	Buyer's identification number
			Country	Attribute	[1, 1]	Buyer's country
			Address	Attribute	[1, 1]	Buyer's address.
			Town	Attribute	[1, 1]	Buyer's town.
			Items	Element	[1,1]	XML element representing list of invoice items (Item data is displayed only when the request is based on the FIC of the invoice)
			I(Item)	Element	[1, 1000]	XML element representing one item.
			C (Code)	Attribute	[0, 1]	Code of the item from the barcode or similar representation.
			N (Name)	Attribute	[0, 1]	Name of the item (goods or services).

					U (Unit of measure)	Attribute	[0, 1]	What is the item's unit of measure (piece, weight measure, length measure, etc)
					Q (Quantity)	Attribute	[0, 1]	Amount or number (quantity) of items. Negative values allowed when CorrectiveInv or BadDebtInv exist.
					UPB (Cmimi i njësisë pa TVSH)	Attribute	[0, 1]	Unit price before Value added tax is applied
					UPA (Cmimi i njësisë me TVSH)	Attribute	[0, 1]	Unit price after Value added tax is applied
					R (Rebate)	Attribute	[0, 1]	Is rebate reducing tax base amount?
					RR (Rebate Reducing base price)	Attribute	[0, 1]	Percentage of the rebate
					PB (Price Before VAT)	Attribute	[0, 1]	Total price of goods and services before the tax Negative values allowed when CorrectiveInv or BadDebtInv exist.
					VR (VAT Rate)	Attribute	[0, 1]	Rate of value added tax. Must not exists if IsIssuerInVAT equals false and is not reverse charge or self-invoice. Mandatory if IsReverseCharge equals true.
					VA (EXempt from VAT)	Attribute	[0, 1]	Exempt from VAT.
					IN (Is Investment)	Attribute	[0, 1]	If true, the item is investment for the buyer. Mandatory only for importation of goods.
					PA (Price After applying VAT)	Attribute	[0, 1]	Total price of goods after the tax and applying discounts Negative values allowed when CorrectiveInv or BadDebtInv exist.
					EX (EXempt from VAT)	Attribute	[0, 1]	Exempt from VAT.
					VS (Vouchers sold)	Element	[0, 1]	XML element representing vouchers sold
					VD(Vouchers sold data)	Element	[1, 1]	XML element representing data of vouchers sold
					D(Date)	Attribute	[1, 1]	Expiration date of the voucher.
					N (Nominal value)	Attribute	[1, 1]	Nominal voucher value.
					VN(Voucher sold numbers)	Element	[1, 1000]	XML element representing serial numbers of voucher sold.
					V (Voucher)	Element	[1, 1000]	XML element representing single voucher serial number.
					Num (Number)	Attribute	[1.1]	Voucher serial number.
			SameTaxes			Element	[0, 1]	XML element representing list of the aggregated items that go under same tax rate/exemption
				SameTax		Element	[1, 20]	XML element representing one same tax item.
					NumOfItems	Attribute	[1, 1]	Number of items.
					PriceBefVAT	Attribute	[1, 1]	Price before VAT
					VATRate	Attribute	[0, 1]	VAT rate
					ExemptFromVAT	Attribute	[0, 1]	Exempt from VAT
					VATAmt	Attribute	[0, 1]	VAT amount.
				Fees		Element	[0, 1]	XML element representing list of fees
					Fee	Element	[1, 20]	XML element representing one fee
					Type	Attribute	[1, 1]	Type of the fee.
					Amt	Attribute	[1, 1]	Amount of the fee.
		Signature				Element	[1, 1]	XML element representing signature for the invoice.

Tabela 11

3.1.1 Header

XML element representing header of the request data message.

3.1.2 Header UUID

Element generated by the TCR. It uniquely identifies the request message sent from TCR to CIS. UUID should be constructed according to the RFC4122 version 4.

Data type	string
Length	36 karaktere
Pattern	[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[1-5][0-9a-fA-F]{3}-[89abAB][0-9a-fA-F]{3}-[0-9a-fA-F]{12}
Example	58e0a7d7-eebc-41d8-9669-0800200c9a66 58E0A7D7-EEBC-41D8-9669-0800200C9A66

Tabela 12

3.1.3 Header SendDateTime

Element represents date and time of sending the request message to the CIS. Date and time should be in ISO 8601 format.

Data type	dateTime

Pattern	`[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}([+-][0-9]{2}:[0-9]{2}|Z)`
Example	2023-01-24T22:00:58+01:00 2023-01-24T22:00:58-01:00

Tabela 13

3.1.4 Invoices

XML element representing all received invoices retrived by request

3.1.5 Count

XML element representing all received invoices retrived by request

3.1.6 Invoice Inv TypeOfInv

Type of the item represents the type of invoice.

Data type	String
Constraint	Lista e vlerave, e përshkruar në tabelën më poshtë.
Examples	CASH

Tabela 14

Following table shows the list of allowed values inside TypeOfInv attribute

Value	Përshkrimi
CASH	Para në dorë
NONCASH	Pa para në dorë

Tabela 15

3.1.7 Invoice Inv TypeOfSelfIss

This element shows the type of self-issuing.

Data type	String
Constraint	Lista e vlerave, e përshkruar në tabelën më poshtë.
Example	SELF

Tabela 16

Following table shows the list of allowed values inside TypeOfSelfIss attribute

Value	Përshkrimi
AGREEMENT	Marrëveshja e mëparshme mes palëve.
DOMESTIC	Blerje nga fermerët e zonës.
ABROAD	Blerje nga shërbimet jashtë vendit.
SELF	Vetë-konsumi (self-consumption)
OTHER	Të tjera.

Tabela 17

3.1.8 Invoice Inv IsSimplifiedInv

Is invoice simplified.

Data type	Boolean
Values	true, false
Example	True

Tabela 18

3.1.9 Invoice Inv IssueDateTime

Time and date when the invoice is created and issued at TCR

Data type	dateTime

Pattern	`[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}([+-][0-9]{2}:[0-9]{2}|Z)`
Example	2023-01-24T22:00:58+01:00 2023-01-24T22:00:58-01:00

Tabela 19

3.1.10 Invoice Inv InvNum

Invoice number composed of invoice ordinal number, year of invoice issuance and code of the TCR that issued invoice if the invoice is not equal to NONCASH. Invoice ordinal number is a sequence that is assigned to each new invoice so that the invoices can be counted. The sequence is reset at the beginning of each year.

Data type	String
Pattern	`[0-9][1-9]{0,14}\/[0-9]{4}(\/[a-z]{2}[0-9]{3}[a-z]{2}[0-9]{3})?`
Example	TypeOfInv nuk është e barabartë me NONCASH: 9934/2023/ab123ab123 TypeOfInv është e barabartë me NONCASH: 9934/2023

Tabela 20

3.1.11 Invoice Inv InvOrdNum

Invoice ordinal number. Invoice ordinal number is a sequence that is assigned to each new invoice so that the invoices can be counted. The sequence is reset at the beginning of each year.

Data type	Numër
Constraint	Numër pozitiv
Example	7

Tabela 21

3.1.12 Invoice Inv TCRCode

Code of the device that issued the invoice.

Data type	String
Pattern	`[a-z]{2}[0-9]{3}[a-z]{2}[0-9]{3}`
Example	ab123ab123

Tabela 22

3.1.13 Invoice Inv IsIssuerInVAT

Is taxpayer in the VAT register.

Data type	boolean
Values	true, false
Example	true

Tabela 23

3.1.14 Invoice Inv TaxFreeAmt

Invoice amount that is exempted from VAT, either because the taxpayer is not in the VAT register or some other exemption applied that is different from the one in other fields of this XML message.

Data type	decimal
Pattern	`-?([1-9][0-9]*|0)\.[0-9]{2}|0`
Example	17.24

Tabela 24

3.1.15 Invoice Inv MarkUpAmt

The total amount pertaining to the special margin scheme procedure in the invoice in decimal form (the taxable amount). The margin for used goods, works of art, collectibles or antiques.

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	23.10

Tabela 25

3.1.16 Invoice Inv GoodsExAmt

Total price of delivery of exported goods. There is no VAT on the invoice..

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	246.00

Tabela 26

3.1.17 Invoice Inv TotPriceWoVAT

Total amount of the invoice without VAT.

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	212.12

Tabela 27

3.1.18 Invoice Inv TotVATAmt

Total amount of VAT (value added tax) which needs to be payed for all groups of items listed in this invoice.

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	242.23

Tabela 28

3.1.19 Invoice Inv TotPrice

Total price which needs to be payed by the customer for all groups of items listed in this invoice including VAT.

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	212.12

Tabela 29

3.1.20 Invoice Inv OperatorCode

Reference to the operator who is operating on TCR. Value represents code of the operator.

Data type	string
Length	10 karaktere
Pattern	[a-z]{2}[0-9]{3}[a-z]{2}[0-9]{3}
Example	ab123ab123

Tabela 30

3.1.21 Invoice Inv BusinUnitCode

Code of the business unit (premise) in which the invoice is issued.

Data type	string
Length	10 karaktere
Pattern	[a-z]{2}[0-9]{3}[a-z]{2}[0-9]{3}
Example	ab123ab123

Tabela 31

3.1.22 Invoice Inv SoftCode

Code of the software used for invoice issuing.

Data type	string
Length	10 karaktere
Pattern	[a-z]{2}[0-9]{3}[a-z]{2}[0-9]{3}
Example	ab123ab123

Tabela 32

3.1.23 Invoice Inv ImpCustDecNum

Import customs declaration number. Only for internal use. Must not be populated by a TCR.

Data type	string
Pattern	50 karaktere
Example	N/A

Tabela 33

3.1.24 Invoice Inv IIC

Invoice identification code which is generated by the TCR of the issuer of the invoice. This is a unique code for every invoice. The code is formed by concatenating the fields, signing with issuer's private key and calculating MD5 hash.

Data type	string
Length	32
Pattern	[0-9a-fA-F]{32}
Example	C701FB4839E7D2C3D8DBC81BBAC06164 c701fb4839e7d2c3d8dbc81bbac06164

Tabela 34

3.1.25 Invoice Inv IICSignature

Signed invoice identification code concatenated parameters.

Data type	string
Length	512
Pattern	[0-9a-fA-F]{512}
Example	B2C218486302EC553EE1AB9124E1A14705742E870E8872EF34E63617AB252E189ACDF7A3E3F5C82061FFFF8AC2826A5588596A8807F648410899B6193F77F4BDC DFA87553A62079A2EF9E6E6F0B8DA1038968D2FCB920B580EBF33ACEEDFEA0DAA78067F916ADC5D278CC237EFD53A6156EABAFBE98A8F3CE99E854818822FA2 0C0FF46E5B3805264BBCD085F0A8A9BD503A1304E9202D7304FF93541FB7FAA4629EE0BD7ED566F610DCD047721AEAA828DFECA651087CDE5AF95C125793D4C D8E83B801DE171335A866D7E31F1473BF0C93EBFD994326C0FE97ACB8DA722F788EA27B8D9E15E8E7B6EF772AB7534060F2BCAF1C3E82645235C9D1857B0790C 2

Tabela 35

3.1.26 Invoice CorrectiveInv

XML element groups data for an original invoice that is will be corrected with current invoice.

3.1.27 Invoice CorrectiveInv IICRef

Reference to the invoice IIC of the original invoice. It is entered only if this is a corrective invoice of the original invoice that has to be changed.

Data type	string
Length	32 karaktere
Pattern	[0-9a-fA-F]{32}
Example	C701FB4839E7D2C3D8DBC81BBAC06164 c701fb4839e7d2c3d8dbc81bbac06164

Tabela 36

3.1.28 Invoice Inv CorrectiveInv IssueDateTime

Date and time the original invoice is created and issued at TCR

Data type	dateTime
Pattern	`[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}([+-][0-9]{2}:[0-9]{2}|Z)`
Example	2023-01-24T22:00:58+01:00 2023-01-24T22:00:58-01:00

Tabela 37

3.1.29 Invoice Inv CorrectiveInv Type

Type of the corrective invoice.

Data type	string
Constrains	Lista e vlerave, e përshkruar në tabelën më poshtë.
Example	DEBIT

Tabela 38

Enumeration values for corrective invoice types are listed in table below.

Value	Description
CORRECTIVE	Faturë korrigjuese (Corrective invoice)
DEBIT	Shënim Debiti (Debit note)
CREDIT	Shënim Krediti (Shënim krediti)

Tabela 39

3.1.30 Invoice Inv BadDebtInv

XML element groups data for an original invoice that will be declared bad debt invoice, as uncollectible.

3.1.31 Invoice BadDebt IICRef

IIC reference on the original invoice.

Data type	string
Max length	32 karaktere
Pattern	`[0-9a-fA-F]{32}`
Example	C701FB4839E7D2C3D8DBC81BBAC06164 c701fb4839e7d2c3d8dbc81bbac06164

Tabela 40

3.1.32 Invoice BadDebt IssueDateTime

Date and time the original invoice is created and issued.

Data type	dateTime
Pattern	`[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}([+-][0-9]{2}:[0-9]{2}|Z)`
Example	2023-01-24T22:00:58+01:00 2023-01-24T22:00:58-01:00

Tabela 41

3.1.33 Invoice Inv IsReverseCharge

Buyer is obliged to pay VAT by himself instead of the seller.

Data type	boolean
Values	true, false
Example	true

Tabela 42

3.1.34 Invoice Inv PayDeadline

Last day for payment.

Data type	date
Pattern	`[0-9]{4}-[0-9]{2}-[0-9]{2}`
Example	2023-01-24

Tabela 43

3.1.35 Invoice Inv IsEinvoice

If invoice is created for einvoice. When this flag is set, invoice is confirmed only after einvoice is received by the einvoice service.

Data type	boolean
Values	true, false
Example	true

Tabela 44

3.1.36 EIC

XML element representing the unique number generated by CIS where is registered the electronic invoice.

Data type	string
Length	36 characters
Pattern	`[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[1-5][0-9a-fA-F]{3}-[89abAB][0-9a-fA-F]{3}-[0-9a-fA-F]{12}`
Example	57e0a7d9-eebc-41d8-9669-0800200c9a66 57E0A7D7-EEBC-41D8-9669-0800200C9A66

3.1.37 Invoice Inv SupplyDateOrPeriod

XML element representing supply date or period of supply, if different from the date when the invoice was issued.

3.1.38 Invoice Inv SupplyDateOrPeriod Start

Start date of the supply. To represent a specific date, start date must be same as the end date. To represent a period, start date must be before end date and in the same month as the end date.

Data type	date
Pattern	`[0-9]{4}-[0-9]{2}-[0-9]{2}`
Example	2023-01-24

Tabela 45

3.1.39 Invoice Inv SupplyDateOrPeriod End

End date of the supply. To represent a specific date, end date must be same as the start date. To represent a period, end date must be after start date, and in the same month as start date.

Data type	date
Pattern	`[0-9]{4}-[0-9]{2}-[0-9]{2}`
Example	2023-01-24

Tabela 46

3.1.40 Invoice PayMethods

XML element representing list of invoice payment methods.

3.1.41 Invoice PayMethods PayMethod

XML element representing a single payment method on the list of payment methods.

3.1.42 Invoice PayMethods PayMethod Type

Method of payment.

Data type	string
Constrain	Lista e vlerave, e përshkruar në tabelën më poshtë.

Example	BANKNOTE

Tabela 47

Enumeration values for the method of payment are listed in table below.

Value	Description	Allowed invoice type
BANKNOTE	Banknotes and coins	Cash invoice
CARD	Credit and debit card	Cash invoice
CHECK	Bank check	Cash invoice
SVOUCHER	Single-purpose voucher	Cash invoice
COMPANY	Seller's company cards and similar	Cash invoice
ORDER	Invoice not yet paid. It will be paid by summary invoice.	Cash invoice
ACCOUNT	Transaction account	Non-cash invoice
FACTORING	Factoring	Non-cash invoice
COMPENSATION	Compensation	Non-cash invoice
TRANSFER	Transfer of rights or debts	Non-cash invoice
WAIVER	Waiver of debts	Non-cash invoice
KIND	Payment in kind (clearing)	Non-cash invoice
OTHER	Other cashless payments	Non-cash invoice

Tabela 48

3.1.43 Invoice PayMethods PayMethod Amt

Total price payed with one payment method.

Data type	decimal
Pattern	`-?([1-9][0-9]*|0)\.[0-9]{2}|0`
Example	212.85

Tabela 49

3.1.44 Invoice PayMethods PayMethod CompCard

Company card number if the payment method is company card. (“COMPANY”).

Data type	string
Length	50 karaktere
Example	1257896

Tabela 50

3.1.45 Invoice PayMethods PayMethod Vouchers

XML element that contains list of voucher numbers if the payment method is voucher. It can be more than one voucher used for the same invoice (i.e. for the same supply, but one voucher cannot be split for 2 or more supplies).

3.1.46 Invoice PayMethods PayMethod Vouchers Voucher

XML element that contains one voucher serial number.

3.1.47 Invoice PayMethods PayMethod Vouchers Voucher Num

Voucher serial number.

Data type	string
Length	17-25 karaktere
Pattern	`[1-9][0-9]{0,7}-[0-9]{4}-[a-zA-Z]{1}[0-9]{8}[a-zA-Z]{1}`
Example	2-2020-J43675678H 34564-2020-J43675678H

Tabela 51

3.1.48 Invoice Inv Currency

XML element representing currency in which the amount on the invoice is or should be paid.

3.1.49 Invoice Inv Currency Code

Currency code in which the amount on the invoice is or should be paid. Code is expressed by the ISO 4217 standard

Data type	string
Constrains	Lista e vlerave, e përshkruar në tabelën më poshtë.
Example	EUR

Tabela 52

Enumeration values for selected currency codes are listed in table below. Other values can be found in the fiscalization service scheme in the chapter 8.

Values	Descriptions
ALL	Albanian lek
EUR	Euro
USD	Greek drachma
MKD	Macedonian denar
TRY	Turkish lira
BGN	Bulgarian lev
HRK	Bosnia and Herzegovina convertible mark
...	...

Tabela 53

3.1.50 Invoice Inv Currency ExRate

Exchange rate applied to calculate the equivalent amount of foreign currency for the total amount expressed in ALL. Exchange rate express equivalent amount of ALL for 1 unit of foreign currency.

Data type	Double
Constrain	Duhet të jetë numër pozitiv.
Example	3.500 0.375

Tabela 46

3.1.51 Invoice Inv Currency IsBuying

True if exchange transaction is buying of the foreign currency, value of quantity must be negative. False if exchange transaction is selling of the foreign currency, value of quantity must be positive. If not stated, then it is not currency exchange transaction. When the transaction is about buying or selling foreign currency must be used “type_1” or “type_2”.

Data type	boolean
Values	true, false
Example	true

Tabela 54

3.1.52 Invoice Inv Seller

XML element representing a seller.

3.1.53 Invoice Inv Seller IDNum

Seller’s identification number.

Data type	string
Length	20 character
Example	Për NUIS/NIPT: K72001008V Për numrin social: 123-45-6789

Tabela 55

3.1.54 Invoice Inv Seller IDType

Seller's identification number type.

Data type	string
Constrain	Lista e vlerave, e përshkruar në tabelën më poshtë.
Example	NUIS

Tabela 56

Enumeration values for the identification number type are listed in table below.

Value	Description
NUIS	NUIS number
ID	Personal ID number
PASS	Passport number
VAT	VAT number
TAX	TAX number
SOC	Social security number

Tabela 57

3.1.55 Invoice Inv Seller Name

Seller's name.

Data type	string
Length	200 karaktere
Example	Emri Mbiemri

Tabela 58

3.1.56 Invoice Inv Seller Address

Seller's address.

Data type	string
Length	400 karaktere
Example	Plaza Tirana 1

Tabela 59

3.1.57 Invoice Inv Seller Town

Seller's town.

Data type	string
Length	200 karaktere
Example	Tirana

Tabela 60

3.1.58 Invoice Inv Seller Country

Seller's country represented as ISO 3166-1 Alpha-3 code.

Data type	string
Constain	Lista e vlerave, e përshkruar në tabelën më poshtë.
Example	ALB

Tabela 61

Enumeration values for selected countries are listed in table below.

Value	Description
ALB	Albania

GRC	Greece
MKD	North Macedonia
RKS	Kosovo
MNE	Montenegro
ITA	Italy
...	...

Tabela 62

3.1.59 Invoice Inv Buyer

XML element representing a buyer that purchase goods.

3.1.60 Invoice Inv Buyer IDNum

Buyer's identification number.

Data type	string
Length	20 karaktere
Example	Për NUIS/NIPT: K72001008V Për numrin social: 123-45-6789

Tabela 63

3.1.61 Invoice Inv Buyer IDType

Buyer's identification number type.

Data type	string
Constrain	Lista e vlerave, e përshkruar në tabelën më poshtë.
Example	NUIS

Tabela 64

Enumeration values for the identification number type are listed in table below.

Value	Description
NUIS	NUIS number
ID	Personal ID number
PASS	Passport number
VAT	VAT number
TAX	TAX number
SOC	Social security number

Tabela 65

3.1.62 Invoice Inv Buyer Name

Buyer's name.

Data type	string
Length	200 karaktere
Example	Emri Mbiemri

Tabela 66

3.1.63 Invoice Inv Buyer Address

Buyer's address.

Data type	string
Length	400 karaktere
Example	Emri i Rrugës 888

Tabela 67

3.1.64 Invoice Inv Buyer Town

Buyer's town.

Data type	string
Length	200 character
Example	Tirana

Tabela 68

3.1.65 Invoice Inv Buyer Country

Buyer's country represented as ISO 3166-1 Alpha-3 code.

Data type	string
Constrain	Enumeration, described in the table below.
Example	ALB

Tabela 69

Enumeration values for selected countries are listed in table below.

Value	Description
ALB	Albania
GRC	Greece
MKD	North Macedonia
RKS	Kosovo
MNE	Montenegro
ITA	Italy
...	...

Tabela 70

3.1.66 Invoice Items

XML element representing list of invoice items (goods or services). Items which are the same should be grouped as one item (one XML element called "Item") with the appropriate amount (sum of the same items).

3.1.67 Invoice Items I (Item)

XML element representing a single item on the list of items.

3.1.68 Invoice Items I N (Item Name)

Name of the item.

Data type	string
Max Length	50 character
Example	Verë 1.5L

Tabela 71

3.1.69 Invoice Items I C (Item Code)

Code of the item from the barcode or similar representation. It helps in identification of the product (item).

Data type	string
Max Length	50 character
Example	978020137962

Tabela 72

3.1.70 Invoice Items I U (Item Unit of measure)

Unit of measure for specific item measure unit– piece, weight, length...

Data type	string
Max length	50 character
Example	Kg

Tabela 73

3.1.71 Invoice Items I Q (Item Quantity)

Amount or number (quantity) of items.

Data type	double
Pattern	-?([1-9][0-9]*|0)(\.[0-9]{1,10})?
Example	3.5 -0.37516466+4

Tabela 74

3.1.72 Invoice Items I UPB (Item Unit Price Before VAT)

Price of one item before Value added tax is applied (unit price without VAT).

Data type	decimal
Pattern	([1-9][0-9]*|0)\.[0-9]{10}|0
Example	3.502345687

Tabela 75

3.1.73 Invoice Items I UPA (Item Unit Price After VAT)

Price of one item after Value added tax is applied (unit price with VAT). It is calculated as PA/Q.

Data type	decimal
Pattern	([1-9][0-9]*|0)\.[0-9]{2}|0
Example	3.85

Tabela 76

3.1.74 Invoice Items I R (Item Rebate)

Rebate percentage.

Data type	decimal
Pattern	([1-9][0-9]*|0)\.[0-9]{2,10}|0
Example	33.12 33.123 33.1234 33.12345 33.123456 33.1234567 33.12345678 33.123456789 33.1234567890

Tabela 77

3.1.75 Invoice Items I RR (Item Rebate Reducing base price)

Is rebate reducing tax base price?

Data type	boolean
Value	true, false
Example	True

Tabela 78

3.1.76 Invoice Items I PB (Item Price Before VAT)

Price before VAT for the items in this group of items. This is not the unit price of the item. It is the unit price multiplied by the quantity of items (UPB*Q).

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	134.34

Tabela 79

3.1.77 Invoice Items I VR (Item VAT Rate)

Rate of value added tax expressed as percentage. Currently allowed tax rates are 0%, 6%, 10% and 20%.

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	10.00

Tabela 80

3.1.78 Invoice Items I EX (Item Exempt from VAT)

Exemption from VAT type

Data type	string
Constrain	Enumeration, described in the table below.
Example	TYPE_1

Tabela 81

Enumeration values for the exempt from VAT types are listed in table below.

Vlera	Përshkrimi
TYPE_1	Exempt type 1. Exempted on the basis of Article 51 of the VAT law
TYPE_2	Exempt type 2. Exempted on the basis of Articles 53 and 54 of the VAT law
TAX_FREE	Tax free amount. Sales without VAT that is exempted based on VAT law other then articles 51, 53 and 54 of VAT law, and is not margin scheme nor export of goods
MARGIN_SCHEME	Margin scheme (Travel agents VAT scheme, second hand goods VAT scheme, works of art VAT scheme, collectors' items and antiques VAT scheme etc.).
EXPORT_OF_GOODS	Export of goods. No VAT.

Tabela 82

3.1.79 Invoice Items I VA (Item VAT Amount)

Amount of value added tax for all quantity of the same item. Calculated as PB*VR

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	3.50

Tabela 83

3.1.80 Invoice Items I IN (Is Investment)

Item bought is investment for the buyer. Optional field, mandatory just for importation of goods.

Data type	boolean
Value	true, false
Example	True

Tabela 84

3.1.81 Invoice Items I PA (Item Price After applying VAT)

Price including VAT for all quantity of the same item. Is calculated as PB+VA

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	3.50

Tabela 85

3.1.82 Invoice Items I VS (Vouchers sold)

XML element that contains data about vouchers sold.

3.1.83 Invoice Items I VS VD (Vouchers sold data)

XML element that contains common data for vouchers sold.

3.1.84 Invoice Items I VS VD D (Date)

Expiration date of the voucher.

Data type	datë
Pattern	`[0-9]{4}-[0-9]{2}-[0-9]{2}`
Example	2020-05-28

Tabela 86

3.1.85 Invoice Items I VS VD N (Nominal value)

Nominal voucher value, i.e. the amount written on the voucher or accompanying documentation representing the price of the goods and services that can be exchanged for the voucher. If there is no nominal value on the voucher, but jus the quantity of the goods that can be exchanged, then the nominal value is the price that the buyer of the voucher has paid to the seller (i.e. issuer) of the voucher.

Data type	decimal
Pattern	`([1-9][0-9]*|0)\.[0-9]{2}|0`
Example	350.00

Tabela 87

3.1.86 Invoice Items I VS VN (Vouchers sold serial numbers)

XML element that contains list of vouchers sold serial numbers.

3.1.87 Invoice Items I VS VN V (Voucher sold)

XML element that contains one voucher sold serial number.

3.1.88 Invoice Items I VS VN V Num (Voucher serial number)

Voucher sold serial number consistent of: ordinal number-year of issuance-NIPT of issuer.

Data type	string
Max Length	17-25 karaktere
Pattern	[1-9][0-9]{0,7}-[0-9]{4}-[a-zA-Z]{1}[0-9]{8}[a-zA-Z]{1}
Example	2-2020- J43675678H 34564-2020- J43675678H

Tabela 88

3.1.89 Invoice SameTaxes

XML element representing list of invoice items (goods or services) that are under same VAT rate/or exempted form VAT. All items of same VAT rate/exemption are grouped together. Only the exemption Type_1 and Type_2 are written here.

3.1.90 Invoice SameTaxes SameTax

XML element representing several goods or services that are under same VAT rate/exemption.

3.1.91 Invoice SameTaxes SameTax NumOfItems

Total Price of items of the same tax rate/exemption before VAT

Data type	int
Constains	Positive number
Example	2

Tabela 89

3.1.92 Invoice SameTaxes SameTax PriceBefVAT

Total Price of items of the same tax rate/exemption before VAT

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	12.20

Tabela 90

3.1.93 Invoice SameTaxes SameTax VATRate

VAT rate applied on items with the same tax rate/exemption, expressed as percentage.

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	10.00

Tabela 91

3.1.94 Invoice SameTaxes SameTax ExemptFromVAT

Exemption from VAT type

Data type	string
Constains	Enumeration, described in the table below.
Example	TYPE_1

Tabela 92

Enumeration values for the exempt from VAT types are listed in table below.

Value	Description
TYPE_1	Exempt type 1. Exempted on the basis of Article 51 of the VAT law
TYPE_2	Exempt type 2. Exempted on the basis of Articles 53 and 54 of the VAT law

Tabela 93

3.1.95 Invoice SameTaxes SameTax VATAmt

VAT amount for items from the same tax rate/exemption.

Data type	decimal
Pattern	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	246.00

Tabela 94

3.1.96 Invoice Fees

XML element representing list of invoice fee items.

3.1.97 Invoice Fees Fee

XML element representing a single fee.

3.1.98 Invoice Fees Fee Type

Type of the fee.

Data type	string
Constains	Enumeration, described in the table below.
Example	PACK

Tabela 95

Enumeration values for fees are listed in table below.

Vlera	Përshkrimi
PACK	Packaging fee
BOTTLE	Fee for the return of glass bottles

COMMISSION	Commission for currency exchange activities
OTHER	Other fees that are not listed here.

Tabela 96

3.1.99 Invoice Fees Fee Amt

The decimal amount of the fee.

Data type	decimal
Modeli	-?([1-9][0-9]*|0)\.[0-9]{2}|0
Example	12.20

Tabela 97

3.1.100 Signature

XML element stores enveloped digital signature.

4 Mandatory controls

Mandatory controls shall be performed on received invoices data messages in the CIP system in real time. When any of the critical controls return a failure, the invoice data message shall not be approved, and FIC shall not be issued.

Upon identifying a critical error, CIS will return an error data message containing the error's numeric code and its text description. When errors which the system can interpret as a cyber-attack are identified, the system does not send any response to the client (the TCR).

The mandatory controls include all the controls from chapter 3.1 and the following:

Controlm Name	Control Description (Error if)	Error code
CODE_87_SEARCH_PERIOD_LIMIT_ERROR	- when FromDate > ToDate. - 1 day < PERIOD_LIMIT and Number of invoices “count” more than countLimit.	87
CODE_88_MISSING_SEARCH_PARAMETERS	When in the request are not inserted search parameters	88

There are two more cases for error code 87.
Code 87 is shown when the time limit is crossed and when the date “FromDate >ToDate ”.
If the number of invoices on "count" is greater than countLimit (eg 20,000) then it will appear as an error.
If the search period is 1 calendar day, then countLimit is not taken into consideration and the error will not appear.

5. Example XML

5.1 Request XML

XML request of all invoices filtered based on the time period for all types of invoices.

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
 <SOAP-ENV:Header/>
   <SOAP-ENV:Body>
       <ns3:GetInvoicesRequest
            xmlns:ns2="http://www.w3.org/2000/09/xmldsig#"
            xmlns:ns3=" https://eFiskalizimi.tatime.gov.al/FiscalizationDataService/schema" Id="Request" Version="3">
          <ns3:Header SendDateTime=" 2023-10-26T14:35:32+02:00" UUID="836e9e7c-7c2c-4a18-a490-96033801133e"/>
          <ns3:InvoicesRequestBody FromDate="2022-01-20T00:00:00+01:00" InvTransactionType="SALES" Page="1"
            ToDate=" 2022-02-19T23:59:59+01:00"/>
          <Signature
             xmlns="http://www.w3.org/2000/09/xmldsig#">
            <SignedInfo>
                <CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
                <SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-sha256"/>
```

```
                    <Reference URI="#Request">
                        <Transforms>
                            <Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature"/>
                            <Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
                        </Transforms>
                        <DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256"/>
                        <DigestValue>JpQ+uAaveMZUP6...........Jvu2OqYdzsG24=</DigestValue>
                    </Reference>
                </SignedInfo>
                <SignatureValue>Ba72LgP.......... SVoFyJsJMA=</SignatureValue>
                <KeyInfo>
                    <X509Data>
                        <X509Certificate>MIIFHjCCBA........+go25z&#13;5ppd=</X509Certificate>
                    </X509Data>
                </KeyInfo>
            </Signature>
        </GetTnvoicesRequest>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

XML request message of invoice based on FIC of invoice

```
                <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
 <SOAP-ENV:Header/>
    <SOAP-ENV:Body>
        <ns3:GetInvoicesRequest xmlns ns2="http://www.w3.org/2000/09/xmldsig#"
                                xmlns:ns3=" https://eFiskalizimi.tatime.gov.al/FiscalizationDataService/schema" Id="Request" Version="3">
            <ns3:Header SendDateTime="2023-10-20T17:22:41+02:00" UUID="03cac99e-9154-42cf-8006-9e163fe97f45"/>
            <ns3:InvoicesRequestBody  FIC="ba6623c4-29a4-4b25-9f63-029fb5c5c371" InvTransactionType="SALES"/>
            <Signature xmlns="http://www.w3.org/2000/09/xmldsig#">
                <SignedInfo>
                    <CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
                    <SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-sha256"/>
                    <Reference URI="#Request">
                        <Transforms>
                            <Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature"/>
                            <Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
                        </Transforms>
                        <DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256"/>
                        <DigestValue>w54QRTPgXDgdnGDD5y9ODGD9WI09....... CRbYbdg=</DigestValue>
                    </Reference>
                </SignedInfo>
                <SignatureValue>V/y7f0zF1diac.......... ZcV9Gc04xw=</SignatureValue>
                <KeyInfo>
                    <X509Data>
                        <X509Certificate>MIIFHjCCBAagA..........5ppd</X509Certificate>
                    </X509Data>
                </KeyInfo>
            </Signature>
        </GetTnvoicesRequest>
    </SOAP-ENV:Body>
 </SOAP-ENV:Envelope>
```

5.2 Response XML

XML response message from request bassed on the time period

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
 <SOAP-ENV:Header/>
    <SOAP-ENV:Body>
        <GetInvoicesResponse
             xmlns:ns2="https://eFiskalizimi.tatime.gov.al/FiscalizationDataService/schema"
             xmlns:ns3="http://www.w3.org/2000/09/xmldsig#" Id="Response" Version="3">
                  <ns2:Header RequestUUID=" 7696c87c-4405-4b52-bcec-a0dc740afe74" SendDateTime="2023-10-26T14:40:01+02:00" UUID="23d34972-e34e-4e87-
b149-3a048f52eb1c"/>
            <ns2:Invoices count="144"
                 <ns2:Inv BusinUnitCode="om609ur125" FIC="94e74be8-51d6-4592-bc2a-25d2984cde12" IIC="EF5C9B3B0174C3C6E5B7FD3422CC9D0C"
                      InvOrdNum="2054" IsEinvoice="false" IsIssuerInVAT= "true" IsReverseCharge="false"
                      IsSimplifiedInv="false" IssueDateTime="2022-02-16T09:37:00" OperatorCode="vp233km645"
                      SoftCode="yx534tn294" TCRCode="vm739hs477" TotPrice="240" TotVATAmt="5000" TypeOfInv="CASH">
          <ns2:Seller Country="ALB" IDNum="----" IDType="----" Name="---"/>
          <ns2:Buyer Country="ALB" IDNum="----" IDType="----" Name="---"/>
                 </ns2:Inv>
                 <ns2:Inv BusinUnitCode="om609ur125" FIC="7caf64b7-6add-453d-a13b-8dc04efbb2ca" IIC=" CE53F2BD5D6ADE166435872920183709"
                      InvOrdNum="2074" IsEinvoice="false" IsIssuerInVAT="true" IsReverseCharge="false" IsSimplifiedInv="false"
                      EIC="57e0a7d9eebc-41d8-9669-0800200c9a66"IssueDateTime="2022-02-16T11:03:55" OperatorCode="vp233km645"
                      PayDeadline="2022-01-03" SoftCode="yx534tn294"
                      TotPrice="240"TotVATAmt="0" TypeOfInv="CASH">
                      <ns2:Seller Country="ALB" IDNum="-------" Name="-----"/>
```

```
                    <ns2:Buyer Country="ALB" IDNum="-----" Name="-----"/>
                </ns2:Inv>
            --
            --
             <Signature xmlns="http://www.w3.org/2000/09/xmldsig#">
                <SignedInfo>
                    <CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
                    <SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-sha256"/>
                    <Reference URI="#Response">
                        <Transforms>
                            <Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature"/>
                            <Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
                        </Transforms>
                        <DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256"/>
                        <DigestValue> 0CSfvPbe2mCT..... Bx2OxQjNtdXCg=</DigestValue>
                    </Reference>
                </SignedInfo>
                <SignatureValue> 01+vJ7iRWqZu..... z2PLln4GMSpA=</SignatureValue>
                <KeyInfo>
                    <X509Data>
                        <X509Certificate> MIIFHjCCBAagAwIBAgIM.....pd</X509Certificate>
                    </X509Data>
                </KeyInfo>
             </Signature>
        </GetInvoicesResponse>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response XML from request based on the FIC code

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
   <SOAP-ENV:Header/>
    <SOAP-ENV:Body>
        <GetInvoicesResponse
             xmlns:ns2=" https://eFiskalizimi.tatime.gov.al/FiscalizationDataService/schema"
               xmlns:ns3="http://www.w3.org/2000/09/xmldsig#" Id="Response" Version="3">
            <ns2:Header RequestUUID="03cac99e-9154-42cf-8006-9e163fe97f45" SendDateTime="2023-10-26T14:15:44+02:00" UUID="a0619c1f-2b83-479e-
933d-4967f47f3053"/>
            <ns2:Invoices count="1"
                 <ns2:Inv BusinUnitCode="om609ur125" FIC="ba6623c4-29a4-4b25-9f63-029fb5c5c371"
                      IIC="1723F14585C6BAFFB29BC8BD60D99F8B"  InvNum="683/2022/vm739hs477" InvOrdNum="683" IsEinvoice="false" IsIssuerInVAT=
                      "true" IsReverseCharge="false" IsSimplifiedInv="true" IssueDateTime="2022-02-03T09:58:23"
                      OperatorCode="vp233km645" PayDeadline="2020-03-06" SendDateTime="2022-02-03T09:58:23" SoftCode="yx534tn294"
                      TCRCode="vm739hs477" TotPrice="60" TotPriceWoVAT="60" TotVATAmt=" 0" TypeOfInv="CASH">
                                  <ns2:PayMethods>
                                              <ns2:PayMethod Amt="60" Type="ORDER"/>
                                  </ns2:PayMethods>
                                  <ns2:Seller Address="TR"  Country="ALB" IDNum="----" IDType="----" Name="---"/>
                                  <ns2:Items>
                                     <ns2:I C="10" N="çaj" PA="60" PB="60" Q="1" U="cope" UPA="60“ UPB="60" VA="0" VR="0"/>
                                 </ns2:Items>
                                  <ns2:SameTaxes>
                                     <ns2:SameTax NumOfItems="1" PriceBefVAT="60" VATAmt=" 0" VATRate="0"/>
                                 </ns2: SameTaxes>
                 </ns2:Inv>
            <Signature xmlns="http://www.w3.org/2000/09/xmldsig#">
                <SignedInfo>
                    <CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
                    <SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-sha256"/>
                    <Reference URI="#Response">
                        <Transforms>
                            <Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature"/>
                            <Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"/>
                        </Transforms>
                        <DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256"/>
                        <DigestValue> Dmu9IorwzEJcBkGr84pDeZS..... taBV8IZQDGho4</DigestValue>
                    </Reference>
                </SignedInfo>
                <SignatureValue>Fi7aJ2luaPnAC2..... y3V6EPaaJw====</SignatureValue>
                <KeyInfo>
                    <X509Data>
                        <X509Certificate>MIIFHjCCBAagAwIBAgIMQwO.....5ppd</X509Certificate>
                    </X509Data>
                </KeyInfo>
             </Signature>
        </GetInvoicesResponse>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```