PAROCHOS
ΛΥΣΕΙΣ ΗΛΕΚΤΡΟΝΙΚΗΣ ΤΙΜΟΛΟΓΙΣΗΣ
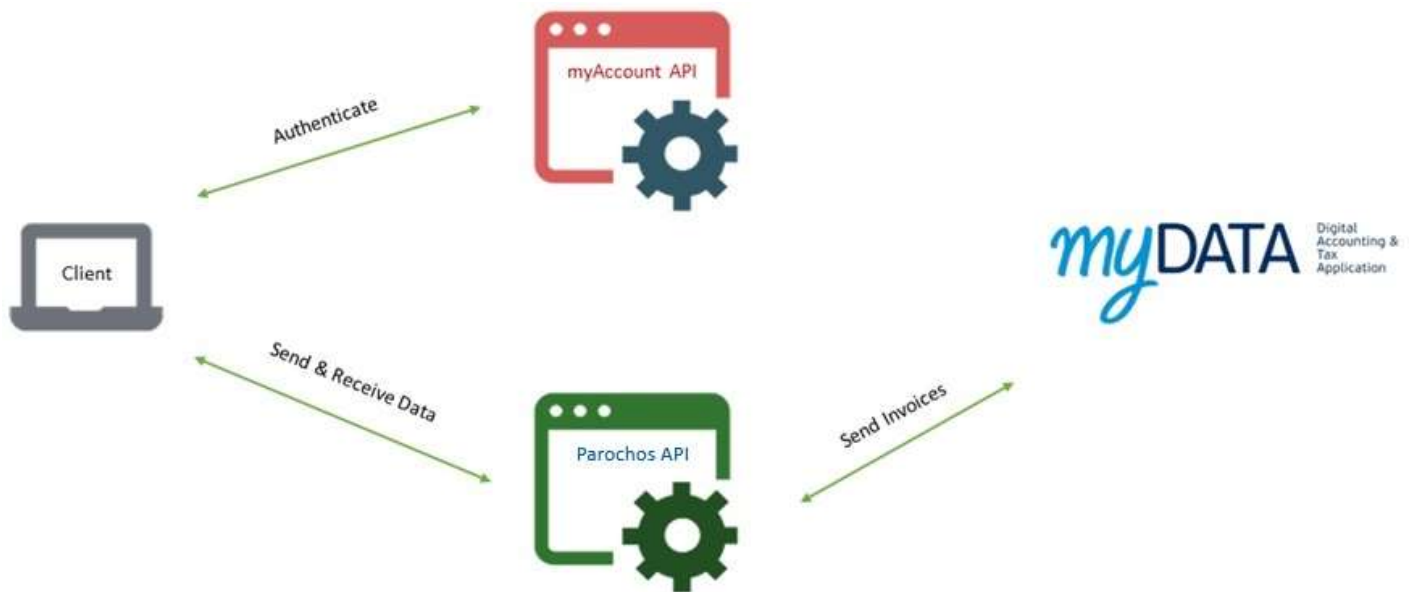
API Documentation - Provider

Contents

Solution

The solution is based on an API, which relies on the HTTP protocol and returns data in JSON format. Requests are sent from the client to communicate with the server. For example, when a user wants to log in with their credentials or send invoice details, a response is sent from the server to the client. This response could, for example, be an authentication result.

Parochos provides two APIs through which a client can directly communicate via HTTP requests. The MyAccount API is responsible for authenticating the client, while the Parochos API consists of services that allow the user to send invoices to AADE. Therefore, there are two endpoints: one for the authentication server and one for the Parochos API.

API Services

1. Authentication

The Parochos API communicates with the authentication server of the system called Account. The identity server is responsible for generating the authentication token necessary for all Parochos API methods. Therefore, there are two endpoints: one for the authentication server and one for the Parochos API.

1.1 Login

The login method is responsible for authenticating the user to the system and requires the user's credentials as well as the activated subscription's secret key, as displayed in the screenshot below. This key uniquely identifies and validates the user's access. The method generates and returns the authentication token (JWT), a refresh token, and the user's subscription information.

Request

Method	URL
POST	/api/account/loginToSubscription

Parameter	Type	Description
subscriptionKey	string	Secret key of the user subscription.
Email	string	User's email.
password	string	User's password.

Response

Status	Response	Type	Description
200	jwt	string	Once the user is logged in, each subsequent request will include the access token (JWT), allowing the user to access routes, services, and resources permitted with that token.
	jwtExpiration	DateTime	The expiration date and time of the JWT.
	jwtRefreshToken	string	A refresh token carries the information necessary to obtain a new access token. Whenever an access token is required to access a specific method, the client may use a refresh token to get a new access token issued by the authentication server
	jwtRefreshTokenExpiration	DateTime	The expiration date and time of the refresh token. While the refresh token can also expire, it is generally long-lived.
	url1	string	The base url of Parochos API.
400			When parameters are invalid.
403			If the username, password or secret key is invalid.

Example

REQUEST	POST https://beta-account.parochos.gr/api/account/loginToSubscription

```
{
    "subscriptionKey": "1EE21B81418434A851E7AF0CED9B28C",
    "email": "user@parochos.gr",
    "password": "123456"
}
```

RESPONSE	HTTP/1.1 200 OK

```
{
    "jwt": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1LzA1L2lkZW50aXR5L2l
tcy9uYW1lIjoiZ2lvdGF2b3V0QGdtYWlsLmNvbSIsImh0dHA6Ly9zY2hlbWFzLnhtbHNvYXAub3JnL3dzLzIwMDUvMDUvaWRlbnRpdHkvcmllbnRudEl
kIjoiZTkzMzdiYjctNTBhZC00ZGQzLWE3OTktMmQ5YjBlNTU0ODg4IiwibmJmIjoxNTk5ODYxMDY3LCJleHAiOjE1OTk4NjcsImlzcyI6Imh0dHB
zOi8vZGV2LmNyb251cyIsImF1ZCI6IkFueW9uZSJ9.qkkXG2cynfCofcbrqcxTIWIZ4mpOVqcBOkZEqi6-3Uo",
    "jwtExpiration": "2024-10-25T09:54:11Z",
    "jwtRefreshToken": "ryRccc6OZRR4LVWTDfjX/MjwWIhuvb9/vsRRLGOgEm8=",
    "jwtRefreshTokenExpiration": "2024-12-04T09:24:11.627963Z",
    "url1": "https://beta-srv.parochos.gr/"
}
```

1.2 Refresh token

Whenever an access token is required to access a specific method, the client must check if the token has expired. If it has, the client calls the refresh method, passing a refresh token and the expired JWT to the authentication server. The server generates both a new access token (JWT) and a refresh token with updated expiration dates. If the refresh token has expired or if the call to the refresh method fails, the client must authenticate again using the login method.

Request

Method	URL
POST	/api/token/refresh

Parameter	Values	Description
token	string	The expired jwt.
refreshToken	string	A valid refresh token.

Response

Status	Response	Values	Description
200	jwt	string	The new access token.
	jwtExpiration	DateTime	The expiration DateTime of the jwt.
	jwtRefreshToken	string	The new refresh token.
	jwtRefreshTokenExpiration	DateTime	The expiration DateTime of the refresh token.
400			When parameters are invalid.
403			When either token or refresh token is invalid.

Example

REQUEST	POST /api/token/refresh

```
{
    "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1LzA1L2lkZW50aXR5
2NsYWltcy9uYW1lIjoiZ2lvdGF2b3V0QGdtYWlsLmNvbSIsImh0dHA6Ly9zY2hlbWFzLnhtbHNvYXAub3JnL3dzLzIwMDUvMDUvaWRlbnRpdHkvYiYjc
tNTBhZC00ZGQzLWE3OTktMmQ5YjBlNTU0NDg4IiwibmJmIjoxNTk5ODYxMDY3LCJleHAiOjE1OTk4NzE4NjcsImlzcyI6ImHBzOi8vZGV2LmNyb251cy
IsImF1ZCI6IkFueW9uZSJ9.qkkXG2cynfCofcbrqcxTIWIZ4mpOVqcBOkZEqi6-3Uo",
    "refreshToken ": "ryRccc6OZRR4LVWTD/MjwWIhuvb9/vsRRLGOgEm8"
}
```

RESPONSE	HTTP/1.1 200 OK

```
{
    "jwt": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1LzA1L2lkZW50aXR5L2
NsYWltcy9uYW1lIjoiZ2lvdGF2b3V0QGdtYWlsLmNvbSIsImh0dHA6Ly9zY2hlbWFzLnhtbHNvYXAub3JnL3dzLzIwMDUvMDUvaWRlbnRpdHkvY2xhaW
1zL25hZGVudGlmaWVyIjoiOTA1YWI3YWMtOGJmZC00ZTQ4LTk1ZGQtMDhkNzVkZjVhODI4IiwiaHR0cDovL3NjaGVtYXMubWljcm9zb2Z0LmNvbS93cy
8yMDA4LzA2L2lkZW50aXR5L2NsYWltcy9yb2xlIjoiU3Vic2NyaWJlciIsInRlbmFudElkIjoiZTkzMzdiYjctNTBhZC00ZGQzLWE3OTktMmQ5YjBlNT
U0NDg4IiwibmJmIjoxNTk5ODczMTM5LCJleHAiOjE1OTk4ODM5MzksImlzcyI6Imh0dHBzOi8vZGV2LmNyb251cyIsImF1ZCI6IkFueW9uZSJ9.teLDZ
a-Z2rMh3vyaZaBod_GhoPkofJhhcBJmV1LzyaY",
    "jwtExpiration": "2020-09-15T10:12:19Z",
    "jwtRefreshToken": "ErjgTKhLHSJZvVdlV6GlaeICr0knq2an4q2aQX4BQ=",
    "jwtRefreshTokenExpiration": "2020-10-22T01:12:19.1768954Z",
}
```

1.3 API User

An API User is a personalized service account created through the myAccount web portal, with the following characteristics:

- The minimum set of access rights is assigned to this user role to access the Parochos API, but not the Parochos web portal.
- This user is unique per subscription and cannot be used in more than one subscription.
- A separate culture definition is assigned to this user to ensure that transmissions through the Parochos API are not affected by the choices of actual users.

2. AADE Provider API Calls
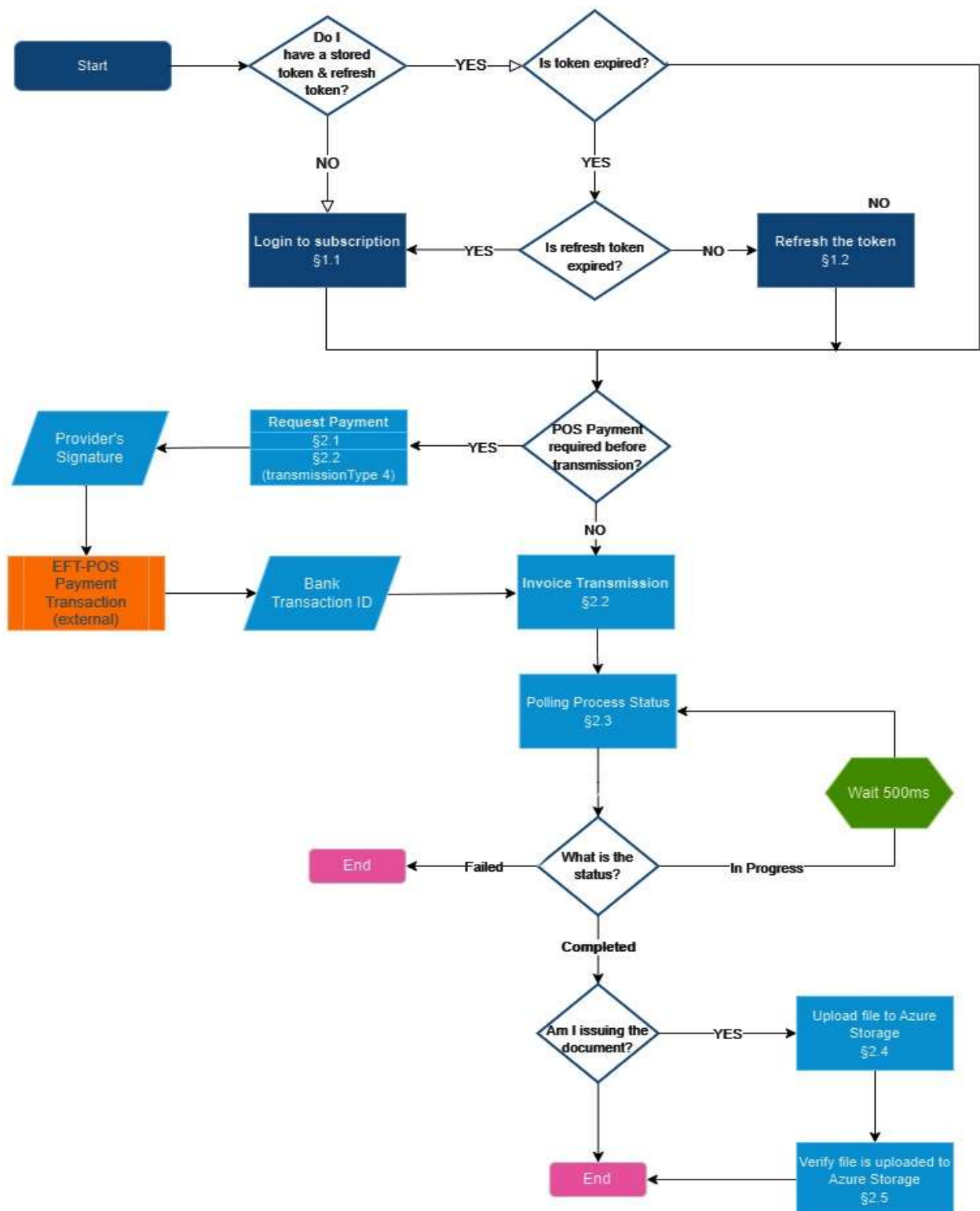
The Parochos API provides a collection of methods for sending invoices to the AADE Platform. All the following methods require an authorization header using the Bearer scheme. The JWT returned

by the **loginToSubscription** method should be used in the authorization header. The url1 returned by the **loginToSubscription** method is the base address for all the methods listed below.

For example: **https://beta-account.parochos.gr/**.

As of version 3.0, every call to the API must specify the desired API version in the HTTP header, using the key X-Version.
Provider API calls can be found at **{url1}/swagger**, under the definition "Parochos API v3".

For example: **https://beta-srv.parochos.gr/swagger/index.html**.

2.1 Request Payment

Invoice transmissions involving EFT-POS payments require a Provider's signature to verify the POS payment. This signature must be committed to the final POS terminal for the bank transaction to be completed. This method naturally precedes the invoice transmission (API method Send) in the transmission flow.

The returned Provider's signature must be included in the source invoice as presented in sections 4.1 (Tax Authorities' & UBL2.1 configured in External System) and 4.2 (Tax Authorities' & UBL2.1 configured in Parochos) under the element **paymentMethods**.

Note: Invoking the **requestPayment** method before transmitting the invoice is required only if any payment methods with an EFT-POS payment type are defined in the invoice source.

Request

Method	URL	
POST	/api/requestPayment	
HTTP Header	Key: **X-Version** Value: **3.0** *required	
Parameter	Values	Description
externalSystemId	string	An identifier of the invoice specified by the client. Each invoice is validated based on its status and this external ID. For example, a successfully transmitted invoice with the same external ID is not allowed to be re-transmitted.
issuerVatNumber	string	Issuer's TIN (VAT Number)
invoiceIssueDate	DateTime	Invoice Date ISO 8601
companyBranch	Number	Issuer's Company Branch N/A as registered in Tax Authorities' platform
invoiceType	string	Invoice Type according to Tax Authorities' documentation
invoiceSeries	string	Series Code of Invoice issued, use to resolve invoice type.
nvoiceAA	string	Invoice Number.
mark [optional]	long	Unique registration number of the invoice provided by AADE, if available. **Required** only in 2.8 Submit Payment scenario.
netValue	decimal	Invoice total net value

vatAmount	decimal	Invoice total vat amount
totalValue	decimal	Invoice total gross value
paymentAmount	decimal	Amount to be paid through the EFT-POS transaction
terminalId	string	The Id of the EFT-POS terminal that will perform the payment transaction
nspCode	string	Code identifier of the EFT-POS service provider. Values described in Appendix 5.

Response

Status	Response		Values	Description
200	externalSystemId		string	The external identifier provided to requestPayment method.
	processId		guid	The identifier of the invoice generated by Parochos Platform. Will be **null** until the actual transmission is performed, through the Send method
	uid		string	Identifier of the invoice required for the signature generation and for completing the EFT-POS payment.
	paymentToken	timestamp	Datetime	The timestamp of signature creation in Greek time zone format
		signature	string	The payment signature generated by Parochos Provider
		amount	decimal	The requested payment amount
		signatureClearText	string	The clear text used to generate the payment signature
	status		number	The progress status of the procedure. Completed = 1, Failed = 2.
	errorCode		string	In case invoice upload fails, errorCode indicates the type of the error.
	errorMessage		string	Detailed description of the error.
	errorCategory		string	Indicates the category of the error. TED = Technical error by Parochos BED = Business error by Parochos TTA = Technical error by Tax Authorities BTA = Business error by Tax Authorities
401				Unauthorized request. The jwt is either invalid or expired.

Example

REQUEST	POST /api/requestPayment

```
{
    "externalSystemId": "bcadd6ae-e8a6-5r84-g3da-23cbb7vs764k",
    "issuerVatNumber": "099788256",
    "invoiceIssueDate": "2024-03-13T14:22:22",
    "companyBranch": "0",
    "invoiceType": "1.1",
    "invoiceSeries": "TΔA",
    "invoiceAA": "32476",
    "netValue": 2628.38,
    "vatAmount": 630.81,
    "totalValue": 3259.19,
    "paymentAmount": 3259.19,
    "terminalId": "01234567",
    "nspCode": "3"
}
```

RESPONSE	HTTP/1.1 200 OK

```
{
    "processId": null,
    "externalSystemId": "bcadd6ae-e8a6-5r84-g3da-23cbb7vs764k",
    "uid": "string",
    "paymentToken": {
        "timestamp": "2024-03-13T12:20:20.700Z",
        "signature": "6B42CBC7C1CC02724095E6169F17819D[…]75E49FBB90E9FFA4D22944B2BBC02F1E27CFE57C8",
        "amount": 3259.19,
        "signatureClearText": "string"

    },
    "status": 1,
    "errorCategory": null,
    "errorCode": null,
    "errorMessage": null
}
```

RESPONSE	HTTP/1.1 401 Unauthorized

```
{}
```

2.2 Invoice Transmission

The Parochos Platform API provides the send method for multiple transmissions. The required property **transmissionType** determines the type of transmission. The invoice transmission is responsible for sending the invoice data to the Parochos Platform, where Parochos certifies the invoice's content and transmits it to the AADE platform.

When issuing the invoice's PDF document, the parameter **transmissionType** should be set to 1. In this case, the design of at least one print form is required. The print form design can be configured through the Parochos Platform.

«Please note that after five consecutive failed attempts to send the document to the Provider, the platform's mechanism is activated. After one hour, another attempt to send the document can be made.»

An alternative approach to section 2.1 Request Payment, for obtaining the Provider's signature(s) required to complete EFT-POS payment transactions, is available by setting the parameter **transmissionType** to 4. Under this setting, Parochos will return a list of payment tokens for each EFT-POS payment method specified, without transmitting the invoice to the AADE platform.

For Order Forms, the Points of Service and the flow of actions (opening, closing, cancellation) are determined to manage the Order Forms. Parochos exclusively manages the Points of Service. Refer to section 3, Point of Service Management.

Request

Method	URL
POST	/api/send
HTTP Header	Key: **X-Version** Value: **3.0** *required*

Parameter		Values	Description
externalSystemId		string	An identifier of the invoice specified by the client. Each invoice is validated based its status and this external ID. For example a signed invoice with the same external ID is not allowed to resend.
source		string	Json serialized object that contains the data to be send. See section 4. Invoice Source Data analysis
identifier [mandatory] Parochos		string	The identifier of the template used to map the incoming invoice data to the model required by AADE Provider. This value is specified through UI configuration.
transmissionType [optional]		Number	Resolves the required type of transmission. 0 - transmits invoice to Tax Authorities Platform. 1 - transmits invoice to Tax Authorities Platform and generates invoice pdf file. 4 - generates Provider's signature(s)without transmitting invoice to Tax Authorities Platform. (Default Value = 0)
attachments [optional]	content [optional]	string	Base64 encoded binary data. A draft .txt file of the invoice. It is the base64 representation string of the byte array of the file.

Response

Status	Response		Values	Description
200	externalSystemId		string	The external identifier provided to send method.
	processId		guid	The identifier of the invoice generated by Parochos Platform.
	signing	uid	string	Identifier of the invoice provided by AADE.
		mark	long	Unique registration number of the invoice provided by AADE.
		authenticationCode	string	Authentication code of the invoice provided by AADE.
		qrCode	string	The url where the client can see the invoice and download its files produced by the system.

		pdfUploaded	Boolean	Specifies whether the pdf of the invoice is uploaded or not.
		pdfFileUrl	string	Parochos Azure storage url with read rights to download the invoice pdf file.
		publishStatus	number	The status of the B2G invoice transmission. Applies only to B2G invoices. Pending = 0, Sending = 1, Transmitted = 2, Processing = 3, Paid = 4, Rejected = 5, UnderQuery = 6, Failed = 10
		paymentTokens	array	Requested payments in Pending state
			timestamp	Datetime	The timestamp of signature creation in Greek time zone format
			signature	string	The payment signature generated by Parochos Provider
			amount	decimal	The requested payment amount
			terminalId	string	The Id of the EFT-POS terminal that will perform the payment transaction
			uid	string	Identifier of the invoice required for the signature generation and for completing the EFT-POS payment.
	timestamp		DateTime	The timestamp of invoice creation in UTC
	status		number	The progress status of the procedure. InProgress = 0, Completed = 1, Failed = 2.
	errorSeverity		number	Warning = 1, Error = 2.
	errorCode		string	In case invoice upload fails, errorCode indicates the type of the error.
	errorMessage		string	Detailed description of the error.
	errorCategory		string	Indicates the category of the error. TED = Technical error by Parochos BED = Business error by Parochos TTA = Technical error by Tax Authorities BTA = Business error by Tax Authorities
401				Unauthorized request. The jwt is either invalid or expired.

Example

REQUEST	POST /api/send

```
{
    "externalSystemId": "185",
    "identifier": " Parochos",
    "transmissionType": 0,
```

RESPONSE	HTTP/1.1 200 OK

```json
{
    "signing": {
        "paymentTokens": [],
        "authenticationCode": "62E99BCE1779E76A000A9A2FD6EBD64CF4EEE343",
        "qrCode": "https://beta-srv.parochos.gr/FileDocument/Get/697fa249-e711-4dab-d8de-08dcf575bce1",
        "pdfUploaded": false,
        "pdfFileUrl": null,
        "publishStatus": null,
        "cancellationMark": null,
        "uid": "CFBCA491E2860C10F4D5AE441BF5121E28BFEEBF",
        "mark": 400001940223036
    },
    "processId": "697fa249-e711-4dab-d8de-08dcf575bce1",
    "externalSystemId": "XXX1",
    "errorSeverity": null,
    "timeStamp": "2024-10-29T12:01:34.8030957",
    "attachments": null,
    "status": 1,
    "errorCategory": null,
    "errorCode": null,
    "errorMessage": null
}
```

RESPONSE	HTTP/1.1 401 Unauthorized

```
{}
```

2.3 Polling process status

The send method will return the initial status of the process along with Parochos's unique **processId**. While the status is InProgress, the client should keep calling the get method by passing either the system's external identifier or Parochos's unique **processId**.

Request

Method	URL
POST	/api/get
HTTP Header	Key: **X-Version** Value: **3.0** *required

Parameter	Values	Description
processId[1] [optional]	Guid	Parochos's unique processId as returned by api/send.
externalSystemId[1] [optional]	string	The external identifier provided as input to api/send method
[1] At least one of the above should be defined		

Response

The same response with /api/send.

Example

REQUEST	POST api/get
{	

```
        "externalSystemId": "185"
}
```

RESPONSE	HTTP/1.1 200 OK

```
{
    "processId": "fe340fa6-444a-4ce7-1a71-08d9c47b8688",
    "externalSystemId": "185",
    "signing": {
        "uid": "19D8A9187F64B2D1DBD2D91C7908A1D8A4F94FB6",
        "mark": 400001859268171,
        "authenticationCode": "71B069FE6AFF018DD3073011F478EEA172E58546",
        "qrCode": "https://localhost:6001/FileDocument/Get/fe340fa6-444a-4ce7-1a71-08d9c47b8688",
        "pdfUploaded": false,
        "pdfFileUrl": null,
        "publishStatus": 0,
        "paymentTokens": [
          {
            "timestamp": "2024-03-13T12:20:20.700Z ",
            "signature": "6B42CBC7C1CC02724095E6169F178[…]49FBB90E9FFA4D22944B2BBC02F1E27CFE57C8",
            "amount": 3259.19
          }
        ]
    },
    "status": 1,
    "timeStamp": "2024-03-13T14:15:08.6338557Z",
    "errorCategory": null,
    "errorCode": null,
    "errorSeverity": null,
    "errorMessage": null
}
```

2.4 Grant write access to Azure Storage

When an invoice has successfully been transmitted to AADE and only when the client is responsible for generating invoice's pdf file, the following process must be followed. The client must create the pdf file of the invoice and request for a shared access signature (SAS) to grand limited access to Azure Storage and therefore upload the file there.

Request

Method	URL
POST	/api/uploadFileRequest
TTP Header	Key: **X-Version** Value: **3.0** *required*

Parameter	Values	Description
processId[1] [optional]	guid	Parochos's unique processId as returned by api/send.
externalSystemId[1] [optional]	number	The external identifier provided as input to api/send method
fileName	string	The name of the pdf file.
fileSize	number	The size in bytes of the pdf file.
[1] At least one of the above should be defined		

Response

Status	Response	Values	Description

200	uploadUrl	string	Azure storage url. [1]
	status	number	Status of the upload request. Success =1, Failed =2
	errorCode	string	In case upload request fails, errorCode indicates the type of the error.
	errorMessage	string	Detailed description of the error.
	errorCategory	string	Indicates the category of the error. TED = Technical error by Parochos BED = Business error by Parochos TTA = Technical error by Tax Authorities BTA = Business error by Tax Authorities
401			Unauthorized request. The jwt is either invalid or expired.

Example

REQUEST	POST /api/uploadFileRequest

```
{
  "externalSystemId": "185",
  "fileName": "Invoice.pdf",
  "fileSize": 33564
}
```

RESPONSE	HTTP/1.1 200 OK

```
{
    "uploadurl": "url",
    "status": 1,
    "errorCode": null,
    "errorCategory": null,
    "errorMessage": null
}
```

2.5 Verify upload to Azure Storage

After client completing the file's upload to Azure Storage, this method should be called for Parochos to verify file's content and complete the process.

Request

Method	URL
POST	api/Finalize
HTTP Header	Key: **X-Version** Value: **3.0** *required

Parameter	Values	Description
processId[1] [optional]	Guid	Parochos's unique processId as returned by api/send.
externalSystemId[1] [optional]	string	The external identifier provided as input to api/send method

---

[1] Use the Azure storage url to send a new PUT httpRequest (See here).

Request Syntax:	PUT <uploadurl> HTTP/1.1
Request Headers:	Content-Type: application/pdf x-ms-blob-type: BlockBlob
Request Body:	Content of pdf file as binary

[1] At least one of the above should be defined

Response

Status	Response	Values	Description
200	status	number	Status of the verify request. Success =1, Failed =2
	errorCode	string	In case verify request fails, errorCode indicates the type of the error.
	errorMessage	string	Detailed description of the error.
	errorCategory	string	Indicates the category of the error. TED = Technical error by Parochos BED = Business error by Parochos TTA = Technical error by Tax Authorities BTA = Business error by Tax Authorities
401			Unauthorized request. The jwt is either invalid or expired.

Example

REQUEST	POST /api/Finalize

```
{
    "externalSystemId": "185"
}
```

RESPONSE	HTTP/1.1 200 OK

```
{
    "status": 1,
    "errorCode": null,
    "errorCategory": null,
    "errorMessage": null
}
```

2.6 Download files

When the whole process has been successfully completed, the client can therefore download all the files uploaded, at any time. The request returns download urls of the pdf uploaded by the client, together with the actual xml file transmitted to Tax Authorities' and the e-Invoice for PEPPOL.

Request

Method	URL		
POST	api/getFiles		
HTTP Header	Key: **X-Version** Value: **3.0** *required		
Parameter		Values	Description
processId[1] [optional]		Guid	Parochos's unique processId as returned by api/send.
externalSystemId[1] [optional]		string	The external identifier provided as input to api/send method
fileIdentifiers[optional]		array	List of file identifiers. If empty, all files are returned. Accepted values:

			• pdf for invoice pdf, • mydataxml for Tax Authorities xml file, • einvoicexml for PEPPOL xml file	

[1] At least one of the above should be defined

Response

Status	Response		Values	Description
200	files	downloadUrl	string	Azure storage url. [2]
		fileName	string	Name of the file uploaded
	status		number	Status of the request. Success =1, Failed =2
	errorCode		string	In case verify request fails, indicates the type of the error.
	errorMessage		string	Detailed description of the error.
	errorCategory		string	Indicates the category of the error. TED = Technical error by Parochos BED = Business error by Parochos TTA = Technical error by Tax Authorities BTA = Business error by Tax Authorities
401				Unauthorized request. The jwt is either invalid or expired.

Example

REQUEST	POST /api/getFiles

```
{
  "externalSystemId": "185"
}
```

RESPONSE	HTTP/1.1 200 OK

```
    "files": [
        {
            "downloadUrl": "url",
            "fileName": "myDataXML.xml"
        },
        {
            "downloadUrl": "url",
            "fileName": "eInvoiceXML.xml",
            "fileIdentifier": "eInvoiceXML"
        },
        {
            "downloadUrl": "url",
            "fileName": "invoice",
            "fileIdentifier": "PDF"
        }
    ],
    "status": 1,
    "errorCode": null,
    "errorMessage": null,"errorCategory": null
```

---

2 Use the Azure storage url to send a new GET httpRequest (See here).
  Request Syntax: GET <downloadUrl> HTTP/1.1

2.7 Download publish logs (B2G only)

When the invoice publish type is B2G (2) and the whole process has been successfully completed, the client can download all the logs of the publish process, at any time. The request returns a response status success indicator, together with a list of publish logs.

Request

Method	URL		
POST	api/GetPublishLogs		
HTTP Header	Key: **X-Version** Value: **3.0** *required*		
Parameter	Values	Description	
processId[1] [optional]	Guid	Parochos's unique processId as returned by api/send.	
externalSystemId[1] [optional]	string	The external identifier provided as input to api/send method	
[1] At least one of the above should be defined			

Response

Status	Response		Values	Description
200	publishLogs	message	string	Publish log entry detailed message. Possible error messages described in Appendix 4.
		status	number	Publish log entry status. Values and aliases: Pending = 0 AB = 1 (e-Invoice received by KE.D.) AP = 2 (Accepted) RE = 3 (Rejected) IP = 4 (In Process) UQ = 5 (Under Query) CA = 6 (Conditionally Accepted) PD = 7 (Paid) As described in Peppol BIS v3 UNCL4343 Subset.
		timestamp	datetime	The log entry timestamp.
	status		number	Status of the request. Success =1, Failed =2
	errorCode		string	In case request fails, indicates the type of the error.
	errorMessage		string	Detailed description of the error.
	errorCategory		string	Indicates the category of the error. TED = Technical error by Parochos BED = Business error by Parochos TTA = Technical error by Tax Authorities BTA = Business error by Tax Authorities
401				Unauthorized request. The jwt is either invalid or expired.

Example

REQUEST	POST /api/GetPublishLogs

```
{
    "externalSystemId": "185"
```

```
    }
```

RESPONSE	HTTP/1.1 200 OK

```
{
  "publishLogs": [
    {
      "message": "Το Ηλεκτρονικό Τιμολόγιο έχει δρομολογηθεί προς αποστολή στην Αναθέτουσα αρχή",
      "status": 0,
      "timestamp": "2023-09-11T11:15:34.5998309"
    },
    {
      "message": "Παραλαβή από ΚΕΔ",
      "status": 1,
      "timestamp": "2023-09-11T11:15:39.2524312"
    }
  ],
  "status": 1,
  "errorCode": null,
  "errorMessage": null,
  "errorCategory": null
}
```

2.8 Submit Payment

Besides the requirement for a Provider's Signature upon invoice transmission with EFT-POS payment method specified, there also might be cases of EFT-POS payments occurring after the invoice transmission.

In order to handle such post-transmission EFT-POS payment requirements, Parochos Platform API introduces a new API method, namely SubmitPayment, which natively follows invoice transmission (API method Send) in the transmission flow. The method invocation must be combined with the RequestPayment method, so as to get the required Provider's Signature that verifies the payment at the POS terminal.

Thus, before invoking the SubmitPayment method, the user must first invoke the RequestPayment method to get the required payment token info (signature, timestamp, amount, uid). When the RequestPayment occurs after invoice transmission, the "mark" input parameter is considered required and must not be undefined.

Refer to As of version 3.0, every call to the API must specify the desired API version in the HTTP header, using the key X-Version.
Provider API calls can be found at **{url1}/swagger**, under the definition "Parochos API v3".

For example: **https://beta-srv.parochos.gr/swagger/index.html**.
2.1 Request Payment for completing the first step required to proceed with SubmitPayment method.

Request

Method	URL
POST	/api/submitPayment
HTTP Header	Key: **X-Version** Value: **3.0** *required

Parameter	Values	Description
externalSystemId	string	The external identifier provided to "send" or "requestPayment" method.

mark	long	Unique registration number of the invoice provided by AADE.
paymentInfo	array	

	type	number	Payment method type code. At least one entry must be of type EFT-POS (type=7)
	amount	decimal	Payable amount for the payment type specified
	paymentMethodInfo [optional]	string	Text description for specified payment
	tipAmount [optional]	decimal	An optional extra amount paid through the EFT-POS transaction as a tip. Applicable only for payment method type EFT-POS (type=7)
	transactionId	string	Bank transaction identifier returned by the POS terminal. Required only for payment method type EFT-POS (type=7)
	signature	string	Parochos Provider payment signature returned by RequestPayment method. Required only for payment method type EFT-POS (type=7)
	terminalId	string	The Id of the EFT-POS terminal that performed the payment transaction

Response

Status	Response	Values	Description
200	externalSystemId	string	The external identifier provided to "send" or "requestPayment" method.
	processId	guid	The identifier of the invoice generated by Parochos Platform.
	paymentMark	string	Unique registration number of the submitted payment provided by AADE.
	status	number	The progress status of the procedure. InProgress = 0, Completed = 1, Failed = 2.
	errorCode	string	In case invoice upload fails, errorCode indicates the type of the error.
	errorMessage	string	Detailed description of the error.
	errorCategory	string	Indicates the category of the error. TED = Technical error by Parochos BED = Business error by Parochos TTA = Technical error by Tax Authorities BTA = Business error by Tax Authorities
401			Unauthorized request. The jwt is either invalid or expired.

Example

REQUEST	POST /api/submitPayment

```
{
  "mark": 400000018449479,
  "externalSystemId": "bcadd6ae-e8a6-5r84-g3da-23cbb7vs7641",
```

```
   "paymentInfo": [
     {
       "type": 7,
       "amount": 100,
       "paymentMethodInfo": "",
       "tipAmount": 0,
       "transactionId": "1234567890987654326",
       "signature": "6B42CBC7C1CC02724095E6169F178[…]006D75E49FBB90E9FFA4D22944B2BBC02F1E27CFE57C8",
       "terminalId": "1234567890"
     }
   ]
}
```

RESPONSE	HTTP/1.1 200 OK

```
{
   "processId": "3fa85f64-5717-4562-b3fc-2c963f66afa6",
   "externalSystemId": "bcadd6ae-e8a6-5r84-g3da-23cbb7vs764l",
   "paymentMark": 400001923846602,
   "status": 1,
   "errorCategory": null,
   "errorCode": null,
   "errorMessage": null
}
```

RESPONSE	HTTP/1.1 401 Unauthorized

```
{}
```

2.9 Cancel Payment

In the event of a requested payment token (Provider's Signature) not been used in a bank transaction and the user decides that this token in no longer needed, Parochos Platform API introduces a new API method, namely CancelPayment, which cancels a previously requested payment token.

Request

Method	URL
POST	/api/cancelPayment
HTTP Header	Key: **X-Version** Value: **3.0** *required

Parameter	Values	Description
externalSystemId	string	The external identifier provided to "send" or "requestPayment" method.
signature	string	Parochos Provider payment signature that will be cancelled.

Response

Status	Response	Values	Description
200	externalSystemId	string	The external identifier provided to "requestPayment" method.
	processId	guid	The identifier of the invoice generated by Parochos Platform.
	signature	string	Parochos Provider payment signature.

	status	number	The progress status of the procedure. Completed = 1, Failed = 2.
	errorCode	string	In case invoice upload fails, errorCode indicates the type of the error.
	errorMessage	string	Detailed description of the error.
	errorCategory	string	Indicates the category of the error. TED = Technical error by Parochos BED = Business error by Parochos TTA = Technical error by Tax Authorities BTA = Business error by Tax Authorities
401			Unauthorized request. The jwt is either invalid or expired.

Example

REQUEST	POST /api/cancelPayment

```
{
  "externalSystemId": "bcadd6ae-e8a6-5r84-g3da-23cbb7vs764l",
  "signature": "6B42CBC7C1CC02724095E6169F178[…]006D75E49FBB90E9FFA4D22944B2BBC02F1E27CFE57C8"
}
```

RESPONSE	HTTP/1.1 200 OK

```
{
  "processId": "3fa85f64-5717-4562-b3fc-2c963f66afa6",
  "externalSystemId": "bcadd6ae-e8a6-5r84-g3da-23cbb7vs764l",
  "signature": "6B42CBC7C1CC02724095E6169F178[…]006D75E49FBB90E9FFA4D22944B2BBC02F1E27CFE57C8",
  "status": 1,
  "errorCategory": null,
  "errorCode": null,
  "errorMessage": null
}
```

RESPONSE	HTTP/1.1 401 Unauthorized

```
{}
```

2.10 Get Payments

At any time, during or after the transmission process, the user may invoke this method to get all payment requests for a given invoice external identifier and their related info.

Request

Method	URL
GET	/api/getPayments/externalSystemId
HTTP Header	Key: **X-Version** Value: **3.0** *required*

Parameter	Values	Description
externalSystemId	string	The external identifier provided to "send" or "requestPayment" method.

Response

Status	Response	Values	Description

200	externalSystemId		string		The external identifier provided to "getPayments" method.
	payments		array		
		signature	string		Parochos Provider payment signature.
		timestamp	datetime		Provider's Signature creation timestamp.
		amount	decimal		The payable amount bound to the signature.
		status	number		Payment request status. Pending = 0, Completed = 1, Cancelled = 2, PendingTransmission = 3, [3] Expired = 10
		transactionId	String		Bank transaction identifier returned by the POS terminal.
		tipAmount	decimal		Optional tip amount paid during the EFT-POS transaction.
		paymentMark	long		Unique registration number of the submitted payment provided by AADE. [4]
		terminalId	string		The Id of the EFT-POS terminal that will perform the payment transaction
		uid	string		Identifier of the invoice required for the signature generation and for completing the EFT-POS payment.
	status		number		The progress status of the procedure. Completed = 1, Failed = 2.
	errorCode		string		In case invoice upload fails, errorCode indicates the type of the error.
	errorMessage		string		Detailed description of the error.
	errorCategory		string		Indicates the category of the error. TED = Technical error by Parochos BED = Business error by Parochos TTA = Technical error by Tax Authorities BTA = Business error by Tax Authorities
401					Unauthorized request. The jwt is either invalid or expired.

Example

REQUEST	GET /api/getPayments/bcadd6ae-e8a6-5r84-g3da-23cbb7vs764l
RESPONSE	HTTP/1.1 200 OK

```
{
  "errorCategory": "string",
  "errorCode": "string",
  "errorMessage": "string",
  "status": 1,
  "externalSystemId": "bcadd6ae-e8a6-5r84-g3da-23cbb7vs764l",
  "payments": [
    {
      "timestamp": "2024-04-02T18:23:29.261Z",
      "signature": "6B42CBC7C1CC02724095E6169F178[…]006D75E49FBB90E9FFA4D22944B2BBC02F1E27CFE57C8",
      "amount": 100,
      "status": 1,
```

---

[3] Available only when payment is submitted via 2.8 Submit Payment

```
        "transactionId": "string",
        "tipAmount": 0,
        "paymentMark": 0,
        "terminalId": "1234567890",
        "uid": "14BFA565194F552B3A3462DE07A48B2E24484BC1"
    }
  ]
}
```

RESPONSE	HTTP/1.1 401 Unauthorized
{}	

3. Point of Service Management

The order form is a type of document addressed to restaurant businesses and the Point of Service must be indicated. Consequently, Points of Service management and monitoring is mandatory.

3.1 Set State

Parochos, using the SetState method, manages the Points of Service. Actions related to the Points of Service are: open, close and transfer to another Point of Service.

Request

Method	URL
POST	api/pointOfService/SetState
HTTP Header	Key: **X-Version** Value: **3.0** *required*

Parameter	Values	Description
companyBranchCode	string	Company Branch N/A as registered in Tax Authorities' platform.
pointOfService	string	The name of Point of Service to change.
targetPointOfService	string	The name of Point of Service to transfer, in the transfer and merge case.
actionKind	number	Point of Service action kinds. 0 = Open 1 = Close 2 = Transfer

Response

Status	Response	Values	Description
200	success	string	Status of the verify request. true = Success, false = failure.
	errorCategory	String	Indicates the category of the error. TED = Technical error by Parochos BED = Business error by Parochos TTA = Technical error by Tax Authorities BTA = Business error by Tax Authorities

	errorcode	string	In case invoice upload fails, errorCode indicates the type of the error.
	errorMessage	string	Detailed description of the error.
401			Unauthorized request. The jwt is either invalid or expired.

4. Invoice Source Data analysis

The source argument in API call requests describes the content data of the invoice that will be transmitted to Tax Authorities'. It should contain all information required by both Tax Authorities' and e-Invoicing for PEPPOL BIS Billing 3.0 (sequence UBL 2.1).
The basic elements of the invoice are explained in detail in next the sections.

- Invoice issuer
- Invoice counterpart
- Invoice representative, when applicable
- Shipment Address, when applicable
- Basic Invoice Information
- Invoice Lines
- Payment Terms
- Correlated Invoices, when applicable
- Invoice Totals

Tax Authorities' and UBL2.1 also require specific elements to be configured according to given code lists (Tax Authorities Code lists & PEPPOL BIS Billing 3.0).

The code lists can be configured either at the external system (e.g EPR) or at Parochos Platform and resolved based on Invoice's details and are listed below.
- Country ISO 3166-1 alpha-2
- Currency ISO 4217
- Invoice Type
- VAT category
- VAT Exemption category
- Measurement Units
- Allowances / Charges Categories
- Move Purposes
- Payment Term Codes
- Classification Categories
- Classification Types
- VAT Classification Types

Source should also contain two additional elements in order to handle specific conditions of invoice's transmission, which are:
1. Invoice Transmission to end- customer
2. Invoice Delayed Transmission in case of connectivity issues.

 More information about these conditions can be found on Section 3.3 and 3.4.

Group	Field	Level	Mandatory	Type	UBL[1]	Description
invoice		root		object		Invoice to be transmitted to Tax Authorities' platform
printProfileCode		1	NO	string		Print profile code
issuer		1	YES	object		Issuer's information
	vatNumber	2	YES	string	BT-31	Issuer's TIN
	branch	2	NO	int		Issuer's Company Branch N/A as registered in Tax Authorities' platform
	country	2	YES	string	BT-40	Issuer's country ISO 3166-1 alpha-2
	city	2	NO	string	BT-37	Issuer's city
	street	2	NO	string	BT-35	Issuer's address street
	streetNumber	2	NO	string	BT-35	Issuer's address street number
	postalCode	2	NO	string	BT-38	Issuer's address postal code
contact		2	NO	object	BG-6	A group of business terms providing contact information about the Seller
	name	3	NO	string	BT-41	Seller contact point A contact point for a legal entity or person
	telephone	3	NO	string	BT-42	Seller contact telephone number A phone number for the contact point
	electronicMail	3	NO	string	BT-43	Seller contact email address An e-mail address for the contact point
counterpart		1	YES	object		Counterpart's information
	vatNumber	2	YES	string	BT-1 BT-48	Counterpart's TIN
	branch	2	NO	int	BT-1	Counterpart's Company Branch N/A as registered in Tax Authorities' platform
	name	2	YES	string	BT-44	Counterpart's Company Official Title
	country	2	YES	string	BT-55	Counterpart's country ISO 3166-1 alpha-2
	city	2	NO	string	BT-52	Counterpart's city
	street	2	NO	string	BT-50	Counterpart's address street
	streetNumber	2	NO	string	BT-50	Counterpart's address street number
	country	2	NO	string	BT-50	Counterpart's country
	postalCode[2]	2	NO	string	BT-53	Counterpart's address postal code
	email	2	NO[1]	string	BT-49	Counterpart's Company contact email
contact		2	NO	object	BG-9	A group of business terms providing contact information relevant for the Buyer
	name	3	NO	string	BT-56	Buyer contact point A contact point for a legal entity or person
	telephone	3	NO	string	BT-57	Buyer contact telephone number A phone number for the contact point
	electronicMail	3	NO	string	BT-58	Buyer contact email address An e-mail address for the contact point
representative		1	NO	object		Tax Representative's details if exists
	vatNumber	2	NO	string	BT-1 BT-63	Representative's TIN
	name	2	NO	string	BT-62	Representative's Title
	country	2	NO	string		Representative's country
invoiceHeader		1	YES	object		Header of the invoice
	series	2	YES	string		Series Code of Invoice issued.

	aa	2	YES	long	BT-1	Invoice Number
	issueDate	2	YES	date	BT-1 BT-2	Invoice Date ISO 8601
	dueDate[1]	2	NO	date	BT-9	Payment Due Date ISO 8601. In case the Amount due for payment is positive, either the Payment due date (BT-9) or Payment terms (BT-20) shall be present.
	paymentTerms[1]	2	NO	String	BT-20	A textual description of the payment terms that apply to the amount due for payment (Including description of possible penalties). In case the Amount due for payment is positive, either the Payment due date (BT-9) or the Payment terms (BT-20) shall be present.
	dispatchDate	2	NO	date		Dispatch Date ISO 8601
	invoiceNote	2	NO	string	BT-22	Invoice note/comment as free text
	invoiceCode	2	NO	string		Invoice Code
	invoiceType	2	YES	string	BT-1	Invoice Type according to Tax Authorities' documentation
	invoiceTypeUbl	2	YES	string	BT-3	Invoice Type according to UBL 2.1 documentation
	currency	2	YES	string	BT-5	Currency of Invoice ISO 4217
	selfPricing	2	NO	boolean		Indicates whether the invoice is self-pricing. Default is false
	movePurpose	2	NO	int		Move purpose according to Tax Authorities' documentation
	otherMovePurposeTitle	2	NO	string		Title of the Remaining Cause of Movement
	fuelInvoice	2	NO	Boolean		Indicates whether the invoice is related to fuel … Default is false
	openPointOfService	2	NO	int		Opening Point of Service. 0 = None, 1 = Open. **(Required only for order forms)**
	closePointOfService	2	NO	int		Closing Point of Service. 0 = None, 1 = Closing. **(Required only for order forms)**
	pointOfService	2	NO	string		Point of service name. **(Required only for order forms)**
	despatchDocumentReference	2	NO	string	BT-16	Despatch advice reference An identifier of a referenced despatch advice
	actualDeliveryDate	2	NO	date	BT-72	The date on which the supply of goods or services was made or completed. Format = "YYYY-MM-DD"
	vatPaymentSuspension	2	NO	boolean		0 = False, 1 = True
	vehicleNumber	2	NO	string		Vehicle Number
correlatedInvoices				object	list	
		mark			long	
		extSystemId			string	
	isDeliveryNote	2	NO	boolean		true, false
	thirdPartyCollection	2	NO	boolean		Indication of Collection by Third Parties. **true**, **false**
otherDeliveryNoteHeader						
loadingAddress						
	street	2	NO	string		Loading address street
	number	2	NO	string		Loading address number
	postalCode	2	NO	string		Loading address postal code

	city	2	NO	string		Loading address city
deliveryAddress						
	street	2	NO	string		Delivery address street
	number	2	NO	string		Delivery address number
	postalCode	2	NO	string		Delivery address postal code
	city	2	NO	string		Delivery address city
	startShippingBranch	2	NO	int		Installation of start of movement
	completeShippingBranch	2	NO	int		Installation of completion of movement
invoiceDetails		1	YES	object		Lines of the invoice
	lineNumber	2	NO	int		Invoice Line N/A
	recType	2	NO	int		Line type according to Tax Authorities' documentation
	quantity	2	YES	decimal	BT-129	Line quantity
	quantity15[2]	2	NO	Decimal		Used only for Fuel Invoices and represents fuel quantity in 15°C
	entityName	2	YES	string	BT-153	Item's Description
	invoiceDetailType	2	NO	int		Invoice Detail Type when necessary according Tax Authorities' documentation (e.x. invoice type 1.5)
	fuelCode[2]	2	NO	int		Fuel Code according to Tax Authorities' documentation.
	netValue	2	YES	decimal	BT-131	Line net amount
	totalValue	2	NO	decimal		Line total amount
	vatCategory	2	YES	int		Vat Category according to Tax Authorities' documentation
	vatCategoryUbl	2	YES	string	BT-118	Vat Category according to UBL 2.1 documentation
	vatExemption[2]	2	NO	int		Vat exemption category according to Tax Authorities' documentation
	vatExemptionUbl [2]	2	NO	string	BT-121	Vat Exemption category according to UBL 2.1 documentation
	vatAmount	2	YES	decimal	BT-110	VAT amount
	vatPercent	2	YES	decimal	BT-119	VAT percent
	measurementUnit	2	YES	Int		Measurement Unit according to Tax Authorities' documentation
	measurementUnitUbl	2	YES	string	BT-130	Measurement Unit according to UBL 2.1 documentation
	otherMeasurementUnitQuantity	2	NO	int		Quantity of Unit of Measurement Pieces Other
	otherMeasurementUnitTitle	2	NO	string		Title of Unit of Measurement Pieces Other
	lineComments	2	NO	string		Comments of line
	fuelCode	2	NO	object		Fuel code
	classificationCategory	2	NO	string		Classification category according to Tax Authorities' documentation (Parochos automatically resolves whether it represents income or expense classification)
	classificationType	2	NO	string		Classification type according to Tax Authorities' documentation (Parochos automatically resolves whether it represents income or expense classification)
	classificationVatType	2	NO	string		VAT classification type of in case of expense classification

						according to Tax Authorities' documentation
	cpvCode	2	NO	string		Classification code for public procurement. Required only for B2G Transmission. (publishType = 2)
	taricNo	2	NO	string		Taric number
	itemCode	2	NO	string		Item code
taxInfo		2	NO	object		Charge/allowance applied on line level or charge with VAT in correspondence with "recType".
	taxCategory	3	NO	int		Charge/allowance category according to Tax Authorities' documentation
	taxCategoryUbl	3	NO	string		Charge/allowance category according to UBL 2.1 documentation
	underlyingValue	3	NO	decimal		Total amount subject to a specific charge/allowance category
	taxPercent	3	NO	decimal		Charge/allowance percent applied
itemProperties		2	NO	list	BG-2	A group of business terms providing information about properties of the goods and services invoiced.
	name	3	YES	string	BT-160	Item attribute name
	value	3	YES	string	BT-161	Item attribute value
paymentMethods		1	YES	List		List of payment Methods applied with different type and portion of net value
	type	2	YES	Int		Payment method code according to Tax Authorities' documentation
	amount	2	YES	decimal		Portion of net amount
	signature [2]	2	NO	string		Parochos Provider payment signature returned by RequestPayment method. Required only for payment method type EFT-POS (type=7)
	transactionId [2]	2	NO	string		Bank transaction identifier returned by the POS terminal. Required only for payment method type EFT-POS (type=7)
	tipAmount [2]	2	NO	decimal		Tip amount paid alongside the payable amount. Required only for payment method type EFT-POS (type=7) when a tip amount is returned by the POS terminal.
	terminalId	2	NO	string		The Id of the EFT-POS terminal that will perform the payment transaction. Required only when requesting payment via Send with TransmissionType 4.
	nspCode	2	NO	string		Code identifier of the EFT-POS service provider. Values described in Appendix 5. Required only when requesting payment via Send with TransmissionType 4.
	paymentMethodInfo	2	NO	string		Payment method description
taxesTotals[2]		1	NO	List		Fees and additional charges or allowances details, when additional charges are included
	taxType	2	NO	int		Type of the charge/allowance according to Tax Authorities'

						documentation
	taxCategory	2	NO	int		Charge/allowance category according to Tax Authorities' documentation
	taxCategoryUbl	2	NO	string	BT-98 BT-105	Charge/allowance category according to UBL 2.1 documentation
	underlyingValue	2	NO	decimal	BT-93 BT-100	Total amount subject to a specific charge/allowance category
	taxAmount	2	NO	decimal	BT-92 BT-99	Charge/allowance amount
	taxPercent	2		decimal	BT-94 BT-101	Charge/allowance percent applied
correlatedInvoices [2]		1	NO	List		Specific Invoice Types needs correlation between the invoice issued and a previously issued related invoice, e.g. sales invoice-credit invoice
	extSystemId	2	NO	string		Original Invoice id as defined in your ERP System
	mark	2	NO	long		Original Invoice transmission M.AR.K
invoiceSummary		1	YES	object		Summary of total amounts of the invoice
	totalNetValue	2	NO	decimal	BT-106	Total net amount of the invoice
	totalVatAmount	2	NO	decimal	BT-110	Total VAT amount of the invoice
	totalValue	2	YES	decimal	BT-112	Invoice's Payable Amount
publishType		1	NO	int		Type of Electronic Invoice Transmission (None = 0, B2B = 1, B2G = 2)
publishDetails		1	NO	object		Additional Information for B2B and B2G publishing
	contractingAuthorityID	2	NO	string	BT-46	Public Authority Identifier (Required only for B2G)
	contractIdentifier	2	NO	sting	BT-12	The Identifier of the contract with the public Institution (Required only for B2G)
	organizationalUnitName	2	NO	sting	BT-10	Name of internal organizational unit of public authority that will actually receive the invoice, if any.
	organizationalUnitCode	2	NO	sting	BT-10	Code of internal organizational unit of public authority that will actually receive the invoice, if any.
budget		2	NO	object		
	type	3	NO	int	BT-11	Type of the budget (Regular Budget = 1, e-PDE = 2 , Other Budget = 3) (Required only for B2G)
	identifier	3	NO	string		Identifier number of the budget (Required only for B2G)
	purchaseOrderReference	2	NO	string	BT-13	An identifier of a referenced purchase order, issued by the Buyer. An invoice must have buyer reference (BT-10) or purchase order reference. In cases where sales order reference is provided, but there's no purchase order reference, then use value "NA" as this element is mandatory in UBL.
Messages		1	NO	object		Recipients information & type of message template
	type	2	YES	int		Type of message to be sent (Email = 0, SMS = 1)
	recipients	2	YES	string		Email or mobile number of the recipients separated by ";"

	cc	2	NO	string		Cc emails separated by ";"
	templateIdentifier	2	NO	string		Identifier of message template, when not included the default message template is applied.
delayedProcessCode[2]		1	NO	string		In case of real time transmission failure, authenticated code must be included, as it was provided at issue to Parochos mobile application
payee		1	NO	object	BG-10	A group of business terms providing information about the Payee, i.e. the role that receives the payment. Shall be used when the Payee is different from the Seller.
	name	2	NO	string	BT-59	The name of the Payee
	id	2	NO	string	BT-60	Payee identifier or bank assigned creditor identifier This element is used for both the identification of the Payee, or the unique banking reference identifier of Payee (assigned by the Payee bank.) For payee identification use ICD code list, for SEPA bank assigned creditor reference, use SEPA
	companyId	2	NO	string	BT-61	Payee legal registration identifier An identifier issued by an official registrar that identifies the Payee as a legal entity or person
invoicePeriod		1	NO	object	BG-14	A group of business terms providing information on the invoice period. Also called delivery period. If the group is used, the invoicing period start date and/or end date must be used.
	startDate	2	YES	date	BT-73	Invoicing period start date
	endDate	2	YES	Date	BT-74	Invoicing period end date

[1] According to PEPPOL BIS Billing 3.0

[2] Mandatory under specific conditions according to Tax Authorities' documentation

4.1 Tax Authorities' & UBL2.1 configured in External System

Provided that the integrated external system (e.g. ERP) has embedded configuration of Tax Authorities required information, this can be directly transmitted into the source invoice data structure without any further configuration on Parochos Platform.

A sample source invoice data structure for this intent is described below.

json example

```
{
  "invoice": {
    "issuer": {
      "vatNumber": "000000000",
      "branch": 0,
      "street": "street",
      "streetNumber": "streetNumber",
      "postalCode": "postalCode",
      "city": "city",
      "country": "GR",
      "contact": {
        "name": "string",
        "telephone": "string",
        "electronicMail": "string"
      }
    },
    "counterpart": {
      "vatNumber": "000000000",
      "branch": 0,
      "name": "name",
      "street": "street",
      "streetNumber": "streetNumber",
      "postalCode": "postalCode",
      "city": "city",
      "country": "GR",
      "email": "test@email.com",
```

```json
      "contact": {
        "name": "string",
        "telephone": "string",
        "electronicMail": "string"
      }
    },
    "representative": {
      "vatNumber": "000000000",
      "name": "name"
    },
    "deliveryAddress": {
      "street": "street",
      "streetNumber": "streetNumber",
      "postalCode": "postalCode",
      "city": "city",
      "country": "GR"
    },
    "publishType": 2,
    "publishDetails": {
        "contractingAuthorityID": "1000.E00904.0001",
        "budget": {
            "type": 1,
            "identifier": "2018ΕΠ06600057"
        },
        "contractIdentifier": "20SYMV006467658",
        "organizationalUnitName": "Sample Org Unit",
        "organizationalUnitCode": "123456",
        "purchaseOrderReference": "string"

    },
    "invoiceHeader": {
      "series": "INV",
      "aa": 1,
      "issueDate": "yyyy-MM-dd",
      "dispatchDate": "yyyy-MM-dd",
      "invoiceNote": "Free text comment",
      "invoiceCode": "INV-00001",
      "invoiceType": "1.1",
      "invoiceTypeUbl": "380",
      "currency": "EUR",
      "selfPricing": false,
      "movePurpose": 1,
      "fuelInvoice": false,
      "despatchDocumentReference": "string",
      "actualDeliveryDate": "yyyy-MM-dd"
    },
    "invoiceDetails": [
      {
        "lineNumber": 1,
        "recType": 1,
        "quantity": 1,
        "entityName": "string",
        "invoiceDetailType": 0,
        "netValue": 50,
        "totalValue": 62,
        "vatCategory": 1,
        "vatCategoryUbl": "Z",
        "vatExemption": 16,
        "vatExemptionUbl": "VATEX-EU-79",
        "vatAmount": 12,
        "vatPercent": 24,
        "measurementUnit": 1,
        "measurementUnitUbl": "E48",
        "lineComments": "string",
        "classificationCategory": "string",
        "classificationType": "string",
        "classificationVatType": "string",
        "cpvCode": "45233222-1",
        "itemProperties": [
          {
            "name": "string",
            "value": "string"
          },
          {
            "name": "color",
            "value": "red"
          }
        ],
        "taxInfo": {
            "taxCategory": 1,
            "taxCategoryUbl": "50",
            "underlyingValue": 1,
            "taxPercent": 20
        },
      }
    ],
    "taxesTotals": [
      {
        "taxType": 1,
        "taxCategory": 1,
        "taxCategoryUbl": "50",
```

```
          "underlyingValue": 1,
          "taxAmount": 10,
          "taxPercent": 20
        }
    ],
    "paymentMethods": [
      {
        "type": 5,
        "amount": 0
      }
    ],
    "correlatedInvoices": [
      {
        "extSystemId": "string",
        "mark": 0,
      }
    ],
    "invoiceSummary": {
      "totalNetValue": 50,
      "totalVatAmount": 12,
      "totalValue": 52
    },
    "payee": {
      "id": "string",
      "name": "string",
      "companyId": "string",
    },
    "invoicePeriod": {
      "startDate": "yyyy-MM-dd",
      "endDate": "yyyy-MM-dd",
    },
    "Messages": [
      {
        "type": 0,
        "recipients": "test1@email.com;test2@email.com",
        "cc": "test3@email.com;test4@email.com",
        "templateIdentifier": "0000001"
      },
      {
        "type": 1,
        "recipients": "6983022568;6983022868"
      }
    ]
  }
}
```

4.2 Tax Authorities' & UBL2.1 configured in Parochos

In case the integrated external system (e.g. ERP) is agnostic of Tax Authorities code lists, source invoice data structure should contain the necessary native values so that the mapping configuration, to the corresponding Tax Authorities structures, can be performed on Parochos Platform.

Group	Field	Level	Mandatory	Type	UBL[1]	Description
invoice		root		object		Invoice to be transmitted to Tax Authorities' platform
printProfileCode		1	NO	string		Print profile code
issuer		1	YES	object		Issuer's information
	vatNumber	2	YES	string	BT-31	Issuer's TIN
	branch	2	NO	int		Issuer's Company Branch N/A as registered in Tax Authorities' platform
	country	2	YES	string	BT-40	Issuer's country ISO 3166-1 alpha-2
	city	2	NO	string	BT-37	Issuer's city
	street	2	NO	string	BT-35	Issuer's address street
	streetNumber	2	NO	string	BT-35	Issuer's address street number
	postalCode	2	NO	string	BT-38	Issuer's address postal code
contact		2	NO	object	BG-6	A group of business terms providing contact information about the Seller
	name	3	NO	string	BT-41	Seller contact point A contact point for a legal entity or person
	telephone	3	NO	string	BT-42	Seller contact telephone number A phone number for the contact point
	electronicMail	3	NO	string	BT-43	Seller contact email address An e-mail address for the contact point
counterpart		1	YES	object		Counterpart's information
	vatNumber	2	YES	string	BT-1 BT-48	Counterpart's TIN
	branch	2	NO	int	BT-1	Counterpart's Company Branch N/A as registered in Tax Authorities' platform
	name	2	YES	string	BT-44	Counterpart's Company Official Title
	country	2	YES	string	BT-55	Counterpart's country ISO 3166-1 alpha-2
	city	2	NO	string	BT-52	Counterpart's city
	street	2	NO	string	BT-50	Counterpart's address street
	streetNumber	2	NO	string	BT-50	Counterpart's address street number
	country	2	NO	string	BT-50	Counterpart's country
	postalCode[2]	2	NO	string	BT-53	Counterpart's address postal code
	email	2	NO[1]	string	BT-49	Counterpart's Company contact email
contact		2	NO	object	BG-9	A group of business terms providing contact information relevant for the Buyer
	name	3	NO	string	BT-56	Buyer contact point A contact point for a legal entity or person
	telephone	3	NO	string	BT-57	Buyer contact telephone number A phone number for the contact point
	electronicMail	3	NO	string	BT-58	Buyer contact email address An e-mail address for the contact point
representative		1	NO	object		Tax Representative's details if exists
	vatNumber	2	NO	string	BT-1 BT-63	Representative's TIN
	name	2	NO	string	BT-62	Representative's Title
	country	2	NO	string		Representative's country
invoiceHeader		1	YES	object		Header of the invoice
	series	2	YES	string		Series Code of Invoice issued.

	aa	2	YES	long	BT-1	Invoice Number
	issueDate	2	YES	date	BT-1 BT-2	Invoice Date ISO 8601
	dueDate[1]	2	NO	date	BT-9	Payment Due Date ISO 8601. In case the Amount due for payment is positive, either the Payment due date (BT-9) or Payment terms (BT-20) shall be present.
	paymentTerms[1]	2	NO	String	BT-20	A textual description of the payment terms that apply to the amount due for payment (Including description of possible penalties). In case the Amount due for payment is positive, either the Payment due date (BT-9) or the Payment terms (BT-20) shall be present.
	dispatchDate	2	NO	date		Dispatch Date ISO 8601
	invoiceNote	2	NO	string	BT-22	Invoice note/comment as free text
	invoiceCode	2	NO	string		Invoice Code
	invoiceType	2	YES	string	BT-1	Invoice Type according to Tax Authorities' documentation
	invoiceTypeUbl	2	YES	string	BT-3	Invoice Type according to UBL 2.1 documentation
	currency	2	YES	string	BT-5	Currency of Invoice ISO 4217
	selfPricing	2	NO	boolean		Indicates whether the invoice is self-pricing. Default is false
	movePurpose	2	NO	int		Move purpose according to Tax Authorities' documentation
	otherMovePurposeTitle	2	NO	string		Title of the Remaining Cause of Movement
	fuelInvoice	2	NO	Boolean		Indicates whether the invoice is related to fuel … Default is false
	openPointOfService	2	NO	int		Opening Point of Service. 0 = None, 1 = Open. **(Required only for order forms)**
	closePointOfService	2	NO	int		Closing Point of Service. 0 = None, 1 = Closing. **(Required only for order forms)**
	pointOfService	2	NO	string		Point of service name. **(Required only for order forms)**
	despatchDocumentReference	2	NO	string	BT-16	Despatch advice reference An identifier of a referenced despatch advice
	actualDeliveryDate	2	NO	date	BT-72	The date on which the supply of goods or services was made or completed. Format = "YYYY-MM-DD"
	vatPaymentSuspension	2	NO	boolean		0 = False, 1 = True
	vehicleNumber	2	NO	string		Vehicle Number
correlatedInvoices				object	list	
		mark			long	
		extSystemId			string	
	isDeliveryNote	2	NO	boolean		true, false
	thirdPartyCollection	2	NO	boolean		Indication of Collection by Third Parties. **true**, **false**
otherDeliveryNoteHeader						
loadingAddress						
	street	2	NO	string		Loading address street
	number	2	NO	string		Loading address number
	postalCode	2	NO	string		Loading address postal code

	city	2	NO	string		Loading address city
deliveryAddress						
	street	2	NO	string		Delivery address street
	number	2	NO	string		Delivery address number
	postalCode	2	NO	string		Delivery address postal code
	city	2	NO	string		Delivery address city
	startShippingBranch	2	NO	int		Installation of start of movement
	completeShippingBranch	2	NO	int		Installation of completion of movement
invoiceDetails		1	YES	object		Lines of the invoice
	lineNumber	2	NO	int		Invoice Line N/A
	recType	2	NO	int		Line type according to Tax Authorities' documentation
	quantity	2	YES	decimal	BT-129	Line quantity
	quantity15[2]	2	NO	Decimal		Used only for Fuel Invoices and represents fuel quantity in 15ºC
	entityName	2	YES	string	BT-153	Item's Description
	invoiceDetailType	2	NO	int		Invoice Detail Type when necessary according Tax Authorities' documentation (e.x. invoice type 1.5)
	fuelCode[2]	2	NO	int		Fuel Code according to Tax Authorities' documentation.
	netValue	2	YES	decimal	BT-131	Line net amount
	totalValue	2	NO	decimal		Line total amount
	vatCategory	2	YES	int		Vat Category according to Tax Authorities' documentation
	vatCategoryUbl	2	YES	string	BT-118	Vat Category according to UBL 2.1 documentation
	vatExemption[2]	2	NO	int		Vat exemption category according to Tax Authorities' documentation
	vatExemptionUbl [2]	2	NO	string	BT-121	Vat Exemption category according to UBL 2.1 documentation
	vatAmount	2	YES	decimal	BT-110	VAT amount
	vatPercent	2	YES	decimal	BT-119	VAT percent
	measurementUnit	2	YES	Int		Measurement Unit according to Tax Authorities' documentation
	measurementUnitUbl	2	YES	string	BT-130	Measurement Unit according to UBL 2.1 documentation
	otherMeasurementUnitQuantity	2	NO	int		Quantity of Unit of Measurement Pieces Other
	otherMeasurementUnitTitle	2	NO	string		Title of Unit of Measurement Pieces Other
	lineComments	2	NO	string		Comments of line
	fuelCode	2	NO	object		Fuel code
	classificationCategory	2	NO	string		Classification category according to Tax Authorities' documentation (Parochos automatically resolves whether it represents income or expense classification)
	classificationType	2	NO	string		Classification type according to Tax Authorities' documentation (Parochos automatically resolves whether it represents income or expense classification)
	classificationVatType	2	NO	string		VAT classification type of in case of expense classification

						according to Tax Authorities' documentation
	cpvCode	2	NO	string		Classification code for public procurement. Required only for B2G Transmission. (publishType = 2)
	taricNo	2	NO	string		Taric number
	itemCode	2	NO	string		Item code
taxInfo		2	NO	object		Charge/allowance applied on line level or charge with VAT in correspondence with "recType".
	taxCategory	3	NO	int		Charge/allowance category according to Tax Authorities' documentation
	taxCategoryUbl	3	NO	string		Charge/allowance category according to UBL 2.1 documentation
	underlyingValue	3	NO	decimal		Total amount subject to a specific charge/allowance category
	taxPercent	3	NO	decimal		Charge/allowance percent applied
itemProperties		2	NO	list	BG-2	A group of business terms providing information about properties of the goods and services invoiced.
	name	3	YES	string	BT-160	Item attribute name
	value	3	YES	string	BT-161	Item attribute value
paymentMethods		1	YES	List		List of payment Methods applied with different type and portion of net value
	type	2	YES	Int		Payment method code according to Tax Authorities' documentation
	amount	2	YES	decimal		Portion of net amount
	signature [2]	2	NO	string		Parochos Provider payment signature returned by RequestPayment method. Required only for payment method type EFT-POS (type=7)
	transactionId [2]	2	NO	string		Bank transaction identifier returned by the POS terminal. Required only for payment method type EFT-POS (type=7)
	tipAmount [2]	2	NO	decimal		Tip amount paid alongside the payable amount. Required only for payment method type EFT-POS (type=7) when a tip amount is returned by the POS terminal.
	terminalId	2	NO	string		The Id of the EFT-POS terminal that will perform the payment transaction. Required only when requesting payment via Send with TransmissionType 4.
	nspCode	2	NO	string		Code identifier of the EFT-POS service provider. Values described in Appendix 5. Required only when requesting payment via Send with TransmissionType 4.
	paymentMethodInfo	2	NO	string		Payment method description
taxesTotals[2]		1	NO	List		Fees and additional charges or allowances details, when additional charges are included
	taxType	2	NO	int		Type of the charge/allowance according to Tax Authorities'

						documentation
	taxCategory	2	NO	int		Charge/allowance category according to Tax Authorities' documentation
	taxCategoryUbl	2	NO	string	BT-98 BT-105	Charge/allowance category according to UBL 2.1 documentation
	underlyingValue	2	NO	decimal	BT-93 BT-100	Total amount subject to a specific charge/allowance category
	taxAmount	2	NO	decimal	BT-92 BT-99	Charge/allowance amount
	taxPercent	2		decimal	BT-94 BT-101	Charge/allowance percent applied
correlatedInvoices [2]		1	NO	List		Specific Invoice Types needs correlation between the invoice issued and a previously issued related invoice, e.g. sales invoice-credit invoice
	extSystemId	2	NO	string		Original Invoice id as defined in your ERP System
	mark	2	NO	long		Original Invoice transmission M.AR.K
invoiceSummary		1	YES	object		Summary of total amounts of the invoice
	totalNetValue	2	NO	decimal	BT-106	Total net amount of the invoice
	totalVatAmount	2	NO	decimal	BT-110	Total VAT amount of the invoice
	totalValue	2	YES	decimal	BT-112	Invoice's Payable Amount
publishType		1	NO	int		Type of Electronic Invoice Transmission (None = 0, B2B = 1, B2G = 2)
publishDetails		1	NO	object		Additional Information for B2B and B2G publishing
	contractingAuthorityID	2	NO	string	BT-46	Public Authority Identifier (Required only for B2G)
	contractIdentifier	2	NO	sting	BT-12	The Identifier of the contract with the public Institution (Required only for B2G)
	organizationalUnitName	2	NO	sting	BT-10	Name of internal organizational unit of public authority that will actually receive the invoice, if any.
	organizationalUnitCode	2	NO	sting	BT-10	Code of internal organizational unit of public authority that will actually receive the invoice, if any.
budget		2	NO	object		
	type	3	NO	int	BT-11	Type of the budget (Regular Budget = 1, e-PDE = 2 , Other Budget = 3) (Required only for B2G)
	identifier	3	NO	string		Identifier number of the budget (Required only for B2G)
	purchaseOrderReference	2	NO	string	BT-13	An identifier of a referenced purchase order, issued by the Buyer. An invoice must have buyer reference (BT-10) or purchase order reference. In cases where sales order reference is provided, but there's no purchase order reference, then use value "NA" as this element is mandatory in UBL.
Messages		1	NO	object		Recipients information & type of message template
	type	2	YES	int		Type of message to be sent (Email = 0, SMS = 1)
	recipients	2	YES	string		Email or mobile number of the recipients separated by ";"

	cc	2	NO	string		Cc emails separated by ";"
	templateIdentifier	2	NO	string		Identifier of message template, when not included the default message template is applied.
delayedProcessCode[2]		1	NO	string		In case of real time transmission failure, authenticated code must be included, as it was provided at issue to Parochos mobile application
payee		1	NO	object	BG-10	A group of business terms providing information about the Payee, i.e. the role that receives the payment. Shall be used when the Payee is different from the Seller.
	name	2	NO	string	BT-59	The name of the Payee
	id	2	NO	string	BT-60	Payee identifier or bank assigned creditor identifier This element is used for both the identification of the Payee, or the unique banking reference identifier of Payee (assigned by the Payee bank.) For payee identification use ICD code list, for SEPA bank assigned creditor reference, use SEPA
	companyId	2	NO	string	BT-61	Payee legal registration identifier An identifier issued by an official registrar that identifies the Payee as a legal entity or person
invoicePeriod		1	NO	object	BG-14	A group of business terms providing information on the invoice period. Also called delivery period. If the group is used, the invoicing period start date and/or end date must be used.
	startDate	2	YES	date	BT-73	Invoicing period start date
	endDate	2	YES	Date	BT-74	Invoicing period end date

[1] According to PEPPOL BIS Billing 3.0

[2] Mandatory under specific conditions according to Tax Authorities' documentation

json example

```
{
  "invoice": {
    "issuer": {
      "vatNumber": "000000000",
      "branch": 0,
      "street": "street",
      "streetNumber": "streetNumber",
      "postalCode": "postalCode",
      "city": "city",
      "country": "GR",
      "contact": {
        "name": "string",
        "telephone": "string",
        "electronicMail": "string"
      }
    },
    "counterpart": {
      "vatNumber": "000000000",
      "branch": 0,
      "name": "name",
      "street": "street",
      "streetNumber": "streetNumber",
      "postalCode": "postalCode",
      "city": "city",
      "country": "GR",
      "email": "test@email.com",
      "contact": {
        "name": "string",
        "telephone": "string",
        "electronicMail": "string"
      }
    },
    "representative": {
      "vatNumber": "000000000",
      "name": "name"
```

```
  },
  "deliveryAddress": {
    "street": "street",
    "streetNumber": "streetNumber",
    "postalCode": "postalCode",
    "city": "city",
    "country": "GR"
  },
  "publishType": 2,
  "publishDetails": {
    "contractingAuthorityID": "1000.E00904.0001",
    "budget": {
        "type": 1,
        "identifier": "2018ΕΠ06600057"
    },
    "contractIdentifier": "20SYMV006467658",
    "organizationalUnitName": "Sample Org Unit",
    "organizationalUnitCode": "123456",
    "purchaseOrderReference": "string"
  },
  "invoiceHeader": {
    "series": "INV",
    "aa": 1,
    "issueDate": "yyyy-MM-dd",
    "dispatchDate": "yyyy-MM-dd",
    "invoiceNote": "Free text comment",
    "invoiceCode": "INV-00001",
    "currency": "EUR",
    "selfPricing": false,
    "movePurpose": "movePurpose1",
    "fuelInvoice": false,
    "despatchDocumentReference": "string",
    "actualDeliveryDate": "yyyy-MM-dd"
  },
  "invoiceDetails": [
    {
      "lineNumber": 1,
      "lineType": "1",
      "quantity": 1,
      "entityName": "string",
      "netValue": 50,
      "totalValue": 62,
      "vatCategory": "VT01",
      "vatExemption": "EX01",
      "vatAmount": 12,
      "vatPercent": 24,
      "measurementUnit": "PCS",
      "lineComments": "string",
      "cpvCode": "45233222-1",
      "itemProperties": [
        {
          "name": "string",
          "value": "string"
        },
        {
          "name": "color",
          "value": "red"
        }
      ],
      "taxInfo": {
        "taxCategory": "category_1",
        "underlyingValue": 1,
        "taxPercent": 20
      },
    }
  ],
  "taxesTotals": [
    {
      "taxType": "1",
      "taxCategory": "category_1",
      "underlyingValue": 1,
      "taxAmount": 10,
      "taxPercent": 20
    }
  ],
  "paymentMethods": [
    {
      "type": 5,
      "amount": 0
    }
  ],
  "correlatedInvoices": [
    {
      "extSystemId": "string",
      "mark": 0,
    }
  ],
  "invoiceSummary": {
    "totalNetValue": 50,
    "totalVatAmount": 12,
    "totalValue": 52
```

```json
    },
    "payee": {
      "id": "string",
      "name": "string",
      "companyId": "string",
    },
    "invoicePeriod": {
      "startDate": "yyyy-MM-dd",
      "endDate": "yyyy-MM-dd",
    },
    "Messages": [
      {
        "type": 0,
        "recipients": "test1@email.com;test2@email.com",
        "cc": "test3@email.com;test4@email.com",
        "templateIdentifier": "0000001"
      },
      {
        "type": 1,
        "recipients": "6934445555;6989998888"
      }
    ]
  }
}
```

4.3 Invoice Transmission to end customer

Parochos provides a service of sending personalized invoice information and the signed invoice file to a list of end customer's contacts via email, SMS.

The messages are defined as follows.

1. Parochos UI configuration. In this case the recipients can be configured through "Contacts" page and automatically recognized by their Tax Identification Number. More than one message templates can be assigned to each contact (recipient).

2. Identify invoice recipients on transmission via API call. The "Messages" entity should be included in the "source" argument as described above.

   Example of using "Messages".

   ```json
   "Messages": [
     {
       "type": 0
       "recipients": "test1@email.com;test2@email.com",
       "cc": "test3@email.com;test4@email.com",
       "templateIdentifier": "000001"
     }
   ```

Please note that the recipients specified via API override any Parochos configuration. Both cases requires messages templates to be set through Parochos UI configuration for each of the sending modes.

4.4 Invoice Delayed Transmission

Every invoice issued should be transmitted to Tax Authorities in real time. In case of connectivity failure different steps should be followed depending on the source of the problem and the implementation approach decided.

- Invoice file is generated by the External System.

  - <u>Internet Failure</u>. Invoice can be issued off-line after receiving approval via Parochos mobile application. After resolving the problem, invoice at hand must be transmitted to Parochos and source data structure should include the approved code in "delayedProcessCode" attribute.

  - <u>Transmission to Tax Authorities failure</u>. Transmission's polling process will return specific error codes indicating the source of the problem. Invoice can be issued off-line after receiving approval via Parochos mobile application.
  The invoice at hand must be re-transmitted to Parochos and source data structure should include the approved code in "delayedProcessCode" attribute.

- Invoice file is generated by Parochos.

  - <u>Internet Failure</u>. Invoice can be issued off-line after receiving approval via Parochos mobile application. After resolving the problem, invoice at hand must be transmitted to Parochos and source data structure should include the approved code in "delayedProcessCode" attribute.

  - <u>Transmission to Tax Authorities failure</u>. Transmission's polling process will return specific error codes that indicate the source of the problem. According to issuer's configuration on Parochos Platform the process will automatically stop or proceed without signing. In case of the latter, once the problem is resolved the invoice at hand will automatically be re-transmitted by Parochos to Tax Authorities with the corresponding indication.

Appendix 1

Parochos **Development** Environment Endpoints

Description	URL
Base URL	https://beta-account.parochos.gr/
myAccount API Calls	https://beta-account.parochos.gr/swagger
Parochos API Calls	url1/swagger url1 is returned by https://beta-account.parochos.gr/api/Account/LoginToSubscription

Parochos **Production** Environment Endpoints

Description	URL
Base URL	https://account.parochos.gr/
myAccount API Calls	https://srv.parochos.gr/swagger/
Parochos API Calls	url1/swagger url1 is returned by https://account.parochos.gr/api/Account/LoginToSubscription

Appendix 2

Conventions

1. **Client** - Client application.
2. **Status** - HTTP status code of response.
3. All the possible responses are listed under 'Responses' for each method. Only one of them is issued per request server.
4. All response are in JSON format.
5. All request parameters are mandatory unless explicitly marked as [optional]

Appendix 3

Parochos Operational Error Codes

Operational errors occur when a procedure does not come as expected and fails. Data validation and connectivity issues could cause an operation to fail. In these cases the call is considered technically successful and the HTTP response status is 200 (OK).

The response of the API call contains the "errorCode", the "errorCategory" the "errorMessage" and the "errorSeverity" which describe the cause of the failure.

Error Code	Error Category	Method	Description
00010003	Technical ED	All	Subscription information is not valid
00080002	Business ED	All	ProcessId or ExternalSystemId is required
00080003	Business ED	All	The input provided does not correspond to a system registration
00010002	Business ED	All	Input data is not valid
00010004	Business ED	Get	Failure while retrieving invoice information
00010005	Business ED	Get	Invoice not available.
00010011	Business ED	Send	Invoice creation failed
00010014	Business ED	Get	Errors while processing invoice source data
00010015	Business ED	Get	Errors while validating invoice source data
00010020	Business ED	Get	Errors while mapping invoice source data to Parochos templates
00010022	Business ED	Get	Invoice with the same invoice code already submitted to Tax Authorities platform
00010028	Business ED	Finalize	Failure while verifying pdf file uploaded
00010029	Business TA	Get	Tax Authorities business errors. Tax Authorities error codes are included in "errorMessage"
00010030	Technical TA	Get	Tax Authorities technical errors. Tax Authorities error codes are included in "errorMessage"

00010032	Technical TA	Get	Tax Authorities connection failed
00010033	Business ED	Get	Errors while processing invoice source data for UBL 2.1
00010034	Business ED	Get	Errors while processing invoice source data for UBL 2.1
00010037	Technical ED	All	Subscription is locked
00010039	Technical ED	Get	Print form could not be resolved. Only for transmissionType = 2.
00010040	Technical TA	Get	Transmission is currently suspended, due to technical issue on Tax Authorities platform
00010041	Business ED	Get	Document information related to delayed transmission is not valid
00010042	Business ED	GetFiles	Failure while getting files
00010043	Business ED	UploadFileRequest	Failure while requesting file SAS URI
00010050	Business ED	UploadFileRequest	File already exists
00010052	Technical ED	All	License failure by unauthorized user
00010053	Technical ED	Get	Issuer's Tax Identification Number validation failed
00010063	Business ED	RequestPayment	Failure while creating payment token
00010064	Business ED	Send/ SubmitPaymnet	No completed EFT-POS payments found
00010065	Business ED	Send/ SubmitPaymnet	EFT-POS payments invalid total paid amount
00010066	Business ED	Send/ SubmitPaymnet	Unexpected payments found
00010067	Business ED	Send/ SubmitPaymnet	Invalid payment request data
00010068	Business ED	CancelPayment	Failure while cancelling payment request

Appendix 4

B2G Validation Error Messages

When the invoice publish type is B2G (2), a separate validation process takes place in order to verify that data conform to PEPPOL rules. Error messages are fixed (Greek language only) and provided by KED.

Technical Message	User Message
ΑΠΟΡΡΙΨΗ ΕΙΔΟΣ ΠΡΟΫΠΟΛΟΓΙΣΜΟΥ (Project_Reference)	ΑΠΟΡΡΙΨΗ ΕΙΔΟΥΣ ΠΡΟΫΠΟΛΟΓΙΣΜΟΥ (PROJECT REFERENCE)

ΑΠΟΡΡΙΨΗ ΑΔΑΜ	ΑΠΟΡΡΙΨΗ ΑΔΑΜ
ΑΠΟΡΡΙΨΗ ΕΝΑΡΙΘΜΟΣ	ΑΠΟΡΡΙΨΗ ΕΝΑΡΙΘΜΟΣ
ΓΕΝΙΚΗ ΑΠΟΡΡΙΨΗ ΚΕΔ	ΓΕΝΙΚΗ ΑΠΟΡΡΙΨΗ ΚΕΔ
ΤΟ ΠΕΔΙΟ INVOICE.INVOICE_NUMBER ΕΙΝΑΙ NULL (BT-1)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΑΡΙΘΜΟΣ ΤΙΜΟΛΟΓΙΟΥ
ΤΟ ΠΕΔΙΟ INVOICE.PROJECT_REFERENCE_ID ΕΙΝΑΙ NULL (BT-11)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΣΤΟΙΧΕΙΟ ΑΝΑΦΟΡΑΣ ΑΓΑΘΟΥ/ΕΡΓΟΥ (ΤΥΠΟΣ ΠΡΟΥΠΟΛΟΓΙΣΜΟΥ)
ΤΟ ΠΕΔΙΟ INVOICE.CONTRACT_REFERENCE_ID ΕΙΝΑΙ NULL (BT-12)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΣΤΟΙΧΕΙΟ ΑΝΑΦΟΡΑΣ ΣΥΜΒΑΣΗΣ
ΤΟ ΠΕΔΙΟ SELLER_TAX_SCHEME.TAX_REGISTRATION_ID ΕΙΝΑΙ NULL (BT-31)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΑΝΑΓΝΩΡΙΣΤΙΚΟ ΦΠΑ ΠΩΛΗΤΗ
ΤΟ ΠΕΔΙΟ SELLER.ELECTRONIC_ADDRESS_ID ΕΙΝΑΙ NULL (BT-34)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΗΛΕΚΤΡΟΝΙΚΗ ΔΙΕΥΘΥΝΣΗ ΠΩΛΗΤΗ
ΤΟ ΠΕΔΙΟ BUYER.PARTY_ID ΕΙΝΑΙ NULL (BT-46)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΚΩΔΙΚΟΣ ΑΝΑΘΕΤΟΥΣΑΣ ΑΡΧΗΣ
ΤΟ ΠΕΔΙΟ BUYER.TAX_REGISTRATION_ID ΕΙΝΑΙ NULL (BT-48)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΑΝΑΓΝΩΡΙΣΤΙΚΟ ΦΠΑ ΑΓΟΡΑΣΤΗ
ΤΟ ΠΕΔΙΟ BUYER.ELECTRONIC_ADDRESS_ID ΕΙΝΑΙ NULL (BT-49)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΗΛΕΚΤΡΟΝΙΚΗ ΔΙΕΥΘΥΝΣΗ ΑΓΟΡΑΣΤΗ
ΤΟ ΠΕΔΙΟ DELIVERY.DELIVER_TO_PARTY ΕΙΝΑΙ NULL (BT-70)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΟΝΟΜΑ ΠΑΡΑΛΑΜΒΑΝΟΝΤΟΣ ΜΕΡΟΥΣ
ΤΟ ΠΕΔΙΟ DELIVERY.ADDRESS_LINE_1 ΕΙΝΑΙ NULL (BT-75)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΔΙΕΥΘΥΝΣΗ ΠΑΡΑΔΟΣΗΣ
ΤΟ ΠΕΔΙΟ DELIVERY.LOCATION_CITY ΕΙΝΑΙ NULL (BT-77)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΠΟΛΗ ΠΑΡΑΔΟΣΗΣ
ΤΟ ΠΕΔΙΟ DELIVERY.LOCATION_POST_CODE ΕΙΝΑΙ NULL (BT-78)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΤΑΧΥΔΡΟΜΙΚΟΣ ΚΩΔΙΚΑΣ ΠΑΡΑΔΟΣΗΣ
ΤΟ ΠΕΔΙΟ TAX_TOTAL.VAT_AMOUNT ΕΙΝΑΙ NULL (BT-110)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΣΥΝΟΛΙΚΟ ΠΟΣΟ ΦΠΑ ΕΓΓΡΑΦΟΥ
ΤΟ ΠΕΔΙΟ ITEM_CLASSIFICATION.CLASSIFICATION_ID ΕΙΝΑΙ NULL (BT-158)	ΔΕΝ ΑΝΑΦΕΡΕΤΑΙ ΑΝΑΓΝΩΡΙΣΤΙΚΟ ΤΑΞΙΝΟΜΗΣΗΣ ΣΤΟΙΧΕΙΟΥ
ΤΟ ΠΕΔΙΟ INVOICE.INVOICE_NUMBER ΔΕΝ ΕΙΝΑΙ ΕΓΚΥΡΟ (BT-1)	Ο ΑΡΙΘΜΟΣ ΤΙΜΟΛΟΓΙΟΥ ΔΕΝ ΕΙΝΑΙ ΕΓΚΥΡΟΣ
ΤΟ ΠΕΔΙΟ BUYER.TAX_REGISTRATION_ID ΔΕΝ ΕΙΝΑΙ ΕΓΚΥΡΟ (BT-48)	Ο ΦΠΑ ΑΓΟΡΑΣΤΗ ΔΕΝ ΥΠΑΡΧΕΙ ΣΤΟ ΦΟΡΟΛΟΓΙΚΟ ΜΗΤΡΩΟ
ΤΟ ΠΕΔΙΟ INVOICE_ARG.SELLER_TAX_REPR_TAX_REG_ID ΔΕΝ ΕΙΝΑΙ ΕΓΚΥΡΟ (BT-63)	Ο ΦΠΑ ΦΟΡΟΛΟΓΙΚΟΥ ΑΝΤΙΠΡΟΣΩΠΟΥ ΔΕΝ ΥΠΑΡΧΕΙ ΣΤΟ ΦΟΡΟΛΟΓΙΚΟ ΜΗΤΡΩΟ
ΤΟ ΠΕΔΙΟ INVOICE_ARG.SELLER_TAX_SCHEME_TBL. TAX_REGISTRATION_ID ΔΕΝ ΕΙΝΑΙ ΕΓΚΥΡΟ (BT-31)	Ο ΦΠΑ ΠΩΛΗΤΗ ΔΕΝ ΥΠΑΡΧΕΙ ΣΤΟ ΦΟΡΟΛΟΓΙΚΟ ΜΗΤΡΩΟ
ΤΟ ΠΕΔΙΟ BUYER.TAX_REGISTRATION_ID ΔΕΝ ΥΦΙΣΤΑΤΑΙ (BT-48)	Ο ΦΠΑ ΑΓΟΡΑΣΤΗ ΔΕΝ ΥΠΑΡΧΕΙ ΣΤΗ ΛΙΣΤΑ ΑΝΑΘΕΤΟΥΣΩΝ ΑΡΧΩΝ
ΤΟ ΠΕΔΙΟ BUYER.PARTY_ID ΔΕΝ ΥΦΙΣΤΑΤΑΙ (BT-46)	Ο ΚΩΔΙΚΟΣ ΑΝΑΘΕΤΟΥΣΑΣ ΑΡΧΗΣ ΔΕΝ

	ΥΠΑΡΧΕΙ ΣΤΗ ΛΙΣΤΑ ΑΝΑΘΕΤΟΥΣΩΝ ΑΡΧΩΝ
ΤΟ ΠΕΔΙΟ INVOICE.CONTRACT_REFERENCE_ID ΔΕΝ ΥΦΙΣΤΑΤΑΙ (BT-12)	ΤΟ ΣΤΟΙΧΕΙΟ ΑΝΑΦΟΡΑΣ ΣΥΜΒΑΣΗΣ ΔΕΝ ΥΦΙΣΤΑΤΑΙ
ΤΟ ΠΕΔΙΟ MARK ΔΕΝ ΥΠΑΡΧΕΙ (BT-122)	ΤΟ ΠΕΔΙΟ MARK ΔΕΝ ΥΠΑΡΧΕΙ
ΤΟ ΠΕΔΙΟ AUTH CODE ΔΕΝ ΥΠΑΡΧΕΙ (BT-122)	ΤΟ ΠΕΔΙΟ AUTH CODE ΔΕΝ ΥΠΑΡΧΕΙ
ΤΟ ΠΕΔΙΟ MARK ΔΕΝ ΕΙΝΑΙ ΕΓΚΥΡΟ (BT-122)	ΤΟ ΠΕΔΙΟ MARK ΔΕΝ ΕΙΝΑΙ ΕΓΚΥΡΟ
ΤΟ ΠΕΔΙΟ AUTH CODE ΔΕΝ ΕΙΝΑΙ ΕΓΚΥΡΟ (BT-122)	ΤΟ ΠΕΔΙΟ AUTH CODE ΔΕΝ ΕΙΝΑΙ ΕΓΚΥΡΟ
ΤΟ UID ΔΕΝ ΕΙΝΑΙ ΕΓΚΥΡΟ (BT-122)	ΤΟ UID ΔΕΝ ΕΙΝΑΙ ΕΓΚΥΡΟ
ΔΕΝ ΒΡΕΘΗΚΕ ΑΝΤΙΣΤΟΙΧΟ ΧΡΕΩΣΤΙΚΟ (BILLING REF)	ΔΕΝ ΒΡΕΘΗΚΕ ΤΟ ΑΝΤΙΣΤΟΙΧΟ ΧΡΕΩΣΤΙΚΟ ΤΙΜΟΛΟΓΙΟ
ΔΕΝ ΥΠΑΡΧΕΙ ΠΛΗΡΟΦΟΡΙΑ ΣΥΣΧΕΤΙΣΗΣ ΜΕ ΤΟΝ ΠΡΟΫΠΟΛΟΓΙΣΜΟ (ΜΗ ΣΥΣΧ. ΠΙΣΤΩΤΙΚΑ Η BILLING REFERENCE)	ΔΕΝ ΥΠΑΡΧΕΙ ΠΛΗΡΟΦΟΡΙΑ ΣΥΣΧΕΤΙΣΗΣ ΜΕ ΤΟΝ ΠΡΟΫΠΟΛΟΓΙΣΜΟ (ΔΕΝ ΥΠΑΡΧΕΙ ΔΥΝΑΤΟΤΗΤΑ ΔΡΟΜΟΛΟΓΗΣΗΣ)
ΛΑΝΘΑΣΜΕΝΗ ΠΛΗΡΟΦΟΡΙΑ ΣΥΣΧΕΤΙΣΗΣ ΜΕ ΠΡΟΫΠΟΛΟΓΙΣΜΟ (PROJECT_REFERENCE_ID)	ΛΑΝΘΑΣΜΕΝΗ ΠΛΗΡΟΦΟΡΙΑ ΣΥΣΧΕΤΙΣΗΣ ΜΕ ΠΡΟΫΠΟΛΟΓΙΣΜΟ
ΑΦΜ ΑΓΟΡΑΣΤΗ ΚΑΙ ΚΩΔΙΚΟΣ ΑΝΑΘΕΤΟΥΣΑΣ ΜΗ ΣΥΜΒΑΤΑ (BUYER_PARTY_ID, TAX_REGISTRATION_ID)	ΑΦΜ ΑΓΟΡΑΣΤΗ ΚΑΙ ΚΩΔΙΚΟΣ ΑΝΑΘΕΤΟΥΣΑΣ ΜΗ ΣΥΜΒΑΤΑ
ΤΟ ID ΤΟΥ ΤΙΜΟΛΟΓΙΟΥ ΠΡΕΠΕΙ ΝΑ ΕΧΕΙ ΕΛΛΗΝΙΚΟ FORMAT (BT-1)	ΤΟ ID ΤΟΥ ΤΙΜΟΛΟΓΙΟΥ ΠΡΕΠΕΙ ΝΑ ΕΧΕΙ ΕΛΛΗΝΙΚΟ FORMAT

Appendix 5

EFT-POS Service Providers

Code	Provider
1	CARDLINK (TCP-Socket)
201	CARDLINK (Common WebECR)
2	EURONET (Common TCP-Socket)
202	EURONET (Common WebECR)
3	MELLON
4	NEXI (Common WebECR)
204	NEXI (Common TCP-Socket)
5	EDPS
6	VIVA
7	ADYEN
8	ePay

10	Attica Bank (Common TCP-Socket)
210	Attica Bank (Common WebECR)
11	PANCRETA Bank (Common TCP-Socket)
211	PANCRETA Bank (Common WebECR)
12	JCC (Common TCP-Socket)
212	JCC (Common WebECR)
13	PBT (Common TCP-Socket)
213	PBT (Common WebECR)
214	MyPOS (Common WebECR)
98	Other (HEX) – Other Provider using HEX encoding on Provider's Signature
99	Other (Base64) - Other Provider using Base64 encoding on Provider's Signature