



Means of Payment
Technical Specifications of API Interface
Version 1.0.1 – September 2023

Athens 26/09/2023



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1 Change History

Έκδοση	Date	Περιγραφή
1.0 0	21/9/2023	Initial Version
1.0.1	26/9/2023	Addition of errors with codes: 1154, 1304, 1399 Change description of errors with codes: 1201, 1202



2 Access to API

Using the API interface requires a user authentication process.

Authentication is accomplished by sending a username and a password in the headers of every call.

Parameter Name	Parameter Type	Mandatory
tokenUsername	Header parameter	Yes
tokenPassword	Header parameter	Yes



3 Call Responses

The call responses are either in json or xml format. This is specified with the accept header parameter. Accepted values are application/xml and application/json. If the parameter is not present in the call or has a different value, the response will be in json format.

Parameter Name	Parameter Type	Mandatory
accept	Header parameter	No

Depending on the outcome of the call, the response has a different status code.

Call outcome	Response Status Code
Successful Call	200 (OK)
Unsuccessful call due to user error	400 (Bad Request)
Unsuccessful call due to system error	500 (Internal Server Error)



In case of errors, the response has the following format:<ApiResponseDoc>

```
<errors>
  <error>
    <code>1001</code>
    <descr>Invalid credentials</descr>
  </error>
</errors>
</ApiResponseDoc>
```

Field Description

Field	Description
code	Error code (possible values are listed in the appendix)
descr	Error description
line	If the error refers to file submission, the line where the error was found is also displayed



4 Calls

4.1 File Submission

Role	Url	Call type	Description
Acquirer	https://www1.aade.gr/aadeapps3/posApi/rest/acquirer/upload/validate	POST	File Validation
Acquirer	https://www1.aade.gr/aadeapps3/posApi/rest/acquirer/upload/submit	POST	File Submission
NSP	https://www1.aade.gr/aadeapps3/posApi/rest/nsp/upload/validate	POST	File Validation
NSP	https://www1.aade.gr/aadeapps3/posApi/rest/nsp/upload/submit	POST	File Submission

For file submission calls the Content-Type of call must be multipart/form-data.

The file should be in zip format and contain only one csv file.

The zip file cannot be password protected.



List of Parameters

Parameter Name	Parameter Type	Mandatory	Description
tokenUsername	Header parameter	Yes	Username
tokenPassword	Header parameter	Yes	Password
Content-Type	Header parameter	Yes	Mandatory value: multipart/form-data
File	Binary Data	Yes	Name of zip file
accept	Header parameter	Yes	Response type: application/xml or application/json

Example Call (Curl)

```
curl -X 'POST' 'https://www1.aade.gr/aadeapps3/posApi/rest/acquirer/upload/submit'  
\   
-H 'accept: application/xml' \  
  
-H 'tokenUsername: username' \  
  
-H 'tokenPassword: password' \  
  
-H 'Content-Type: multipart/form-data' \  
  
-F 'file=@acquirer_test.zip;type=application/zip'
```



In case of successful submission, the response has the following format:

```
<ApiResponseDoc>  
  <uploadResponse>  
    <transId>209</transId>  
    <filename>acquirer_test_afek4.zip</filename>  
    <zipSize>427</zipSize>  
    <csvSize>743</csvSize>  
    <totalEntries>5</totalEntries>  
  </uploadResponse>  
</ApiResponseDoc>
```

Field Description

Field	Description
transId	Submission ID Number
filename	File Name
zipSize	Compressed file size
csvSize	CSV file size
totalEntries	Number of records on file

Note 1: Upon submission of the file, it is checked that comply with file specifications. If an error is found, the entire file is rejected, and user must resubmit it after making the necessary corrections.

Note 2: File validation automatically stops if 100 errors are found and a corresponding error is displayed in the response.



Note 3: The complete validation and updating of the EFT/POS Registry Database is done asynchronously in the next phase. At this stage if an error is found in a line, only the relevant line is rejected and not the entire file. When the processing has completed, user is notified for the result by email. If any errors were found, user can retrieve them by calling the API (see below).

Note 4: Simultaneous submission of multiple files by the same user is not allowed, either in the same request or through different requests.

Note 5: If you receive an error message with code 1149 (Error parsing request. Check API specifications and/or swagger UI), when submitting a file, it is due to an incorrect call to the service. In most cases this is because you're using extra arguments (or inserting different values in them) in the call you are making. If you are using only the above arguments in the call and you are continuing to receive the specific error, please contact posregistry.support@aade.gr including with the command you are using (without the credentials).

4.2 Retrieval of submitted files list

Role	Url	Call Type	Description
Acquirer/NSP	https://www1.aade.gr/aadeapps3/posApi/rest/common/fetch/uploads	GET	List of submitted files



List of Parameters

Parameter Name	Parameter Type	Mandatory	Description
tokenUsername	Header parameter	Yes	Username
tokenPassword	Header parameter	Yes	Password
dateFrom	Query parameter	No	Submission date FROM. Format: DDMMYYYY.
dateTo	Query parameter	No	Submission date TO. Format: DDMMYYYY
uploadType	Query parameter	No	Submission Type Accepted Values: ACQUIRER_POS NSP_POS
accept	Header parameter	No	Response type: application/xml or application/json

Example Call (Curl)

```
curl -X 'GET'  
'https://www1.aade.gr/aadeapps3/posApi/rest/common/fetch/uploads?dateFrom=01  
012023&dateTo=04092023&uploadType=ACQUIRER_POS' \  
  
-H 'accept: application/xml' \  
  
-H 'tokenUsername: username' \  
  
-H 'tokenPassword: password'
```



In case of successful call, the response has the following format:

```
<ApiResponseDoc>
  <uploadedFiles>
    <uploadedFile>
      <transId>127</transId>
      <uploadType>ACQUIRER_POS</uploadType>
      <uploadDate>18/09/2023 15:43:29</uploadDate>
      <filename>acquirer_test.zip</filename>
      <totalEntries>5</totalEntries>
      <status>NOT_PROCESSED</status>
    </uploadedFile>
  </uploadedFiles>
</ApiResponseDoc>
```

Field Description

Field	Description
transId	Submission ID Number
uploadType	Submission type (possible values are listed in the appendix)
uploadDate	Submission Date
filename	File Name
totalEntries	Number of records on file
status	Submission status (possible values are listed in the appendix)



4.3 Retrieval of specific submission information

Role	Url	Call Type	Description
Acquirer/NSP	https://www1.aade.gr/aadeapps3/posApi/rest/common/fetch/upload	GET	Retrieval of Submitted File Information

List of Parameters

Parameter Name	Parameter Type	Mandatory	Description
tokenUsername	Header parameter	Yes	Username
tokenPassword	Header parameter	Yes	Password
transId	Path parameter	Yes	Submission ID Number
accept	Header parameter	No	Response type: application/xml or application/json

Example Call (Curl)

```
curl -X 'GET' 'https://www1.aade.gr/aadeapps3/posApi/rest/common/fetch/upload/1'  
\br/>-H 'accept: application/xml' \  
-H 'tokenUsername: username' \  
-H 'tokenPassword: password'
```



In case of successful call, the response has the following format:

```
<ApiResponseDoc>  
  <uploadDetails>  
    <transId>127</transId>  
    <uploadDate>18/09/2023 15:43:29</uploadDate>  
    <uploadType>ACQUIRER_POS</uploadType>  
    <filename>acquirer_test.zip</filename>  
    <zipSize>427</zipSize>  
    <csvSize>743</csvSize>  
    <totalEntries>5</totalEntries>  
    <status>NOT_PROCESSED</status>  
  </uploadDetails>  
</ApiResponseDoc>
```



Field Description

Field	Description
transId	Submission ID Number
uploadType	Submission type (possible values are listed in the appendix)
uploadDate	Submission Date
filename	File Name
zipSize	Compressed file size
csvSize	CSV File Type
totalEntries	Number of records on file
status	Submission status (possible values are listed in the appendix)
errors	List of errors found during the final processing of the file (this field is present only in case errors were found)



Appendix

Possible submission status

Value	Description
NOT_PROCESSED	File not processed yet
PROCESSED	File was processed and no errors found
PROCESSED_WITH_ERRORS	File was processed with errors

Submission Type

Value	Description
ACQUIRER_POS	Means of Payment Declaration from Acquirer
NSP_POS	Means of Payment Declaration from NSP

Error Codes



Type	Code	Description
Authorization error	1000	Required credentials not found (username/password)
Authorization error	1001	Invalid credentials (username/password)
Authorization error	1010	Not authorized to use API
Authorization error	1011	Not authorized to use API (deactivated account)
Authorization error	1020	Not authorized to use Acquirer services
Authorization error	1021	Not authorized to use NSP services
Payload error	1100	Content type of request must be multipart/form-data
Payload error	1101	No file uploaded
Payload error	1102	Multiple files uploaded
Payload error	1103	Invalid multipart/form-data content
Payload error	1104	Invalid file type
Payload error	1105	Header Content-Type is missing
Payload error	1106	Multiple Content-Type headers found
Payload error	1107	Content-Type header must be multipart/form-data
Payload error	1149 ¹	Error parsing request (generic error which is caused by invalid call)
Payload error	1150	Zip file is empty
Payload error	1151	Invalid file type. Zip file expected
Payload error	1152	Zip file contains multiple files
Payload error	1153	Compressed file must be csv



Type	Code	Description
Payload error	1154	Encrypted zip files are not supported
Payload error	1200	CSV file is empty
CSV Validation error	1201	Csv header must be the first line. If the first line is the header ensure that the encoding of the file is UTF-8 (without BOM). Parsing aborted
CSV Validation error	1202	Different number of fields expected in header. Please check that correct delimiter is used and no empty fields exist at the end of the line. Parsing aborted
CSV Validation error	1203	Submitter in header is different than submitter of file
CSV Validation error	1204	CSV file doesn't contain entries
CSV Validation error	1205	Max number of errors reached
CSV Validation error	1206	CSV Version is mandatory
CSV Validation error	1207	Invalid CSV version
CSV Validation error	1300	Invalid row type
CSV Validation error	1301	Different number of fields expected
CSV Validation error	1302	Declaration type is mandatory



CSV Validation error	1303	Invalid declaration type
CSV Validation error	1304	Unterminated quoted field at end of CSV line. If a field contains double quote, it must be escaped with a second double quote (\\"). Parsing aborted
CSV Validation error	1399	Unexpected error parsing line. Parsing aborted
CSV Validation error	1500	Country code is mandatory
CSV Validation error	1501	Invalid country code
CSV Validation error	1510	TIN is mandatory
CSV Validation error	1511	Invalid TIN
CSV Validation error	1520	Company name is mandatory
CSV Validation error	1530	Merchant ID is mandatory
CSV Validation error	1540	Terminal ID is mandatory
CSV Validation error	1550	Activation date is mandatory
Type	Code	Description
CSV Validation error	1551	Invalid activation date (must be in DD/MM/YYYY format)



CSV Validation error	1560	Expiration date is mandatory
CSV Validation error	1561	Invalid expiration date (must be in DD/MM/YYYY format)
CSV Validation error	1562	Expiration date is before activation date
CSV Validation error	1570	IBAN is mandatory
CSV Validation error	1571	Invalid IBAN
CSV Validation error	1580	NSP country is mandatory
CSV Validation error	1581	Invalid NSP country
CSV Validation error	1590	NSP TIN is mandatory
CSV Validation error	1591	Invalid NSP TIN
CSV Validation error	1600	NSP company name is mandatory
CSV Validation error	1610	POS type is mandatory
CSV Validation error	1611	Invalid POS type
CSV Validation error	1620	POS version is mandatory



CSV Validation error	1621	Invalid POS version
CSV Validation error	1630	POS update date is mandatory when POS has been updated
CSV Validation error	1631	POS update date must be empty when POS has not been updated
CSV Validation error	1632	Invalid POS update date (must be in DD/MM/YYYY format)
Type	Code	Description
CSV Validation error	3000	Invalid acquirer entry type. Expected POS entry (entry type = 2)
CSV Validation error	4000	Invalid NSP entry type. Expected POS entry (entry type = 2)
API request error	5000	Invalid minimum upload date. Date must be in DDMMYYYY format
API request error	5001	Invalid maximum upload date. Date must be in DDMMYYYY format
API request error	5002	Invalid type of upload
API request error	5003	Upload not found
API request error	9998	Other upload request is in process
