AT ISSUER DATA DICTIONARY ECONOMIC OPERATORS

12.Oktober 2023

Version	Datum	Autor/in	Änderung
1.0	*05.04.2019*	*Hans-Jürgen Kozik*	First Release
1.1	*12.06.2019*	*Hans-Jürgen Kozik*	Changed **Priority** for **P_OtherType** in Order for unit level UIs. Changed Field **Code** to **request-id** and moved it into the header. New Field **P_OtherID** in Order for unit level UIs. Description for the request message of an Api_key.
1.2_1	02.09.2019	Hans-Jürgen Kozik	Changed the value of **TobaccoProductType** to an enum. It is still allowed as a number, but marked as deprecated and will be turned off in future releases. Renamed **O_ID** to **Order_Number** Renamed **request-id** to **Request_ID** Renamed **api-key** to **Api_Key** Made **Request_ID** is a **required** field in the header. Calling the messageRequest an **Api_Key** now generates a new key and replaces the old one. Changed the structure of the general error response message. Moved register/de-register/correction messages for economic operators, facilities and machines to the web application. Changed response message for message **List all open orders** Changed response message for message **Get information about an order**
1.2_2	12.09.2019	Hans-Jürgen Kozik	Correction of errors in the specification for TobaccoProductType. The type was changed from string to integer.

			State PENDING changed to PENDING CREATED. M_ID in message „list of all open orders“ changed to optional Changed upui order only fields in message „get information about an order“ to optional Added chapter Cookie Handling.
1.2	01.10.2019	Hans-Jürgen Kozik	Changed P_CN in message „Order for unit level UIs“ to optional
1.3	15.10.2020	Hans-Jürgen Kozik	Clarification of the structure of an upUI
1.4	31.03.2023	Gerald Maitz	Revice 1.2 Identifier (Alphabet)
1.5	12.Oktober 2023	Anika Filz, David Mitterschiffthaler	Adjustments EU specification

Inhalt

1 Data description

1.1 Data types

There are some types used along the document, which need to be defined.

Data Type	Description	Type	Example or regular expression
ARC	Administrative Reference Code (ARC) or any successive code adopted under the Excise Movement and Control System (EMCS)	Text(30)	15GB0123456789ABCDEF0' Validation RegEx: ^[a-zA-Z0-9]*$
aUI	Aggregated level unique identifier coded with: either The invariant set of ISO646:1991 and composed of four blocks: (a) ID issuer's prefix in accordance with ISO15459-2:2015, (b) serialization element in the format established by the ID issuer, (c) tobacco facility identifier code following the Data Type: FID and (d) timestamp following the Data Type: Time(s) or The invariant set of ISO646:1991 forming a code structured in accordance with ISO15459-1:2014 or ISO15459-4:2014 (or their latest equivalent))	Text(100)	
Boolean	Boolean value	Boolean	0 (false/disabled) 1 (true/enabled)
Component	A data type defined in the data dictionary		Aggregation
Country	Country name coded with ISO- 3166-1:2013 alpha-2 (or its latest equivalent)	Text(2)	'AT'
Currency	Currency name coded with ISO 4217:2015 (or its latest equivalent)	Text(3)	'EUR'
Date	A UTC data in text corresponding to the following format: YYYY-MM-DD	Text(10)	E.g. '2017-03-31'
Decimal	Number values, decimal allowed	Decimal	E.g. '1' or '22.2' or '333.33'

Email	Maximum 80 characters	Text(80)	E.g. 'info@test.com' Validation RegEx: ^(([a-zA-Z]|\d|[!#\$%&'*\+\- \/=\?\^_`{|}~]|[\u00A0-\uD7FF\uF900- \uFDCF\uFDF0-\uFFEF])+(\.([a-zA- Z]|\d|[!#\$%&'\*\+\- \/=\?\^_`{|}~]|[\u00A0-\uD7FF\uF900- \uFDCF\uFDF0- \uFFEF])+)*)|(\x22)(((\x20|\x09)*(\x0d\x0a))?(\x20|\x09)+)?([\x01-\x08\x0b\x0c\x0e- \x1f\x7f]|\x21|[\x23-\x5b]|[\x5d- \x7e]|[\u00A0-\uD7FF\uF900- \uFDCF\uFDF0-\uFFEF])
EOID	Economic operator identifier code corresponding to the format established by ID issuer coded with the invariant set of ISO646:1991 EOID starts with the alphanumeric characters that constitute the ID issuer identification code, followed by alphanumeric sequence which is unique within the code pool of the ID issuer.	Text(50)	
EO_CODE	EO_CODE established by ID issuer coded with the invariant set of ISO8859-15:1999	Text(50)	
FID	Tobacco facility identifier code corresponding to the format established by ID issuer coded with the invariant set of ISO646:1991	Text(50)	
Integer	Rounded number values, no decimal numbers	Integer	E.g. '1' or '22' or '333'
IIID	ID Issuer code in line with the issuing agency codes of ISO/IEC 15459	Text(35)	E.g. ‘FTR’

ITU	Individual transport unit code (e.g. SSCC) generated in accordance with ISO15459-1:2014 (or its latest equivalent)		'00791234560000000018'
List	Must be only one of the values present in the 'Values' column		
MID	Machine identifier code corresponding to the format established by ID Issuer coded with the invariant set of ISO646:1991	Text(50)	
MRN	Movement Reference Number (MRN) is a unique customs registration number. It contains 18 digits and is composed of the following elements: (a) last two digits of the year of formal acceptance of export movement (YY), (b) country name coded with ISO3166-1:2013 alpha-2 (or its latest equivalent) of the Member State to which the declaration was sent, (c) unique identifier for entry/import per year and country, and (d) check digit.	Text(18)	'19IT9876AB88901235' Validation RegEx: ^[0-9]{2}[A-Z]{2}[a-zA-Z0-9]+[0-9]{1}$
PN	Product number – numeric identifier used in the EUCEG system to identify product presentations (e.g. GTIN (Global Trade Identification Number) of the product)	Text(30)	'00012345600012'
SEED	Excise number composed of: (a) country name coded with ISO-3166-1:2013 alpha-2 (or its latest equivalent) (e.g. 'LU') and (b) eleven alphanumeric characters, if needed, padded to the left with zeroes (e.g. '00000987ABC').	Text(13)	LU00000987ABC' Validation RegEx: ^[A-Z]{2}[a-zA-Z0-9]{11}$
Serial	Number corresponding with the invariant set of ISO646:1991 used for serialisation		
SSCC	SSCC-18 container code generated in line with ISO6346:1995 (or its latest equivalent)	Text(20)	00791234560000000018

Text (X)	Alphanumeric values coded with ISO8859-15:1999 limited to X characters		E.g. 'Abcd' or '123455588845'
Time(s)	UTC (Coordinated Universal Time) time in the following format: YYMMDDhh	Text(8)	'19071619'
Time(L)	UTC Time in the following format format : YYYY-MM-ddTHH:mm:ss.SSSZ		E.g '2020-08-13T16:01:34.477Z'
TPID	Tobacco Product Identifier (TP-ID) – numeric identifier used in the EU-CEG system in the format: NNNNN-NNNNNNN	Text(14)	'02565-16-00230' Validation RegEx: ^[0-9]{5}-[0-9]{2}-[0-9]{5}$
upUI(L)	Unit packet level unique identifier coded with the invariant set of ISO646:1991 and composed of three blocks: (i) ID Issuer's prefix in line with ISO154592:2015, (ii) middle block in the format established by ID Issuer and (iii) timestamp following the Data Type: Time(s)		
upUI(s)	Unit packet level unique identifier coded with the invariant set of ISO646:1991 and composed of two blocks: (i) ID issuer's prefix in accordance with ISO15459-2:2015 and (ii) serialisation element in the format established by the ID issuer (i.e. UI made visible in the human readable format on the unit packets)		
upUI(i)	Unit packet level unique identifier coded with the invariant set of ISO646:1991 and composed of two blocks: (i) ID issuer's prefix in accordance with ISO15459-2:2015 and (ii) middle block in the format established by the ID issuer (i.e. upUI(i) is upUI(L) without the timestamp, a code to be generated by ID issuers.		

ORDERNUMBER	Order identifier code corresponding to the format established by ID Issuer coded with the invariant set of ISO646:1991	Text(50)	

1.2 Identifier (Alphabet)

Economic operator IDs, facility IDs, machine IDs, upUIs and aUIs are created from a 58 symbols alphabet that contains the following symbols:

- Small letters a-z, without letters l (ASCII 0x6C) to avoid misinterpretation with digits 1
- Capital letters A-Z, without letters I (ASCII 0x49) and O (ASCII 0x4F) to avoid misinterpretation with digits 0 and 1
- Digits 1-9

1.3 Identifier (upUI)

TPD-Impl [2] sets out the content of an upUI and a length maximum length of 50 characters.
However, the structure of an upUI is at the discretion of the ID Issuer.
The following information items must be included in the upUI:

- The ID Issuer Identifier,
- A serial number
- A code (product code) allowing for the determination of the following:
  - Place of manufacturing
  - Manufacturing facility
  - Machine used for the manufacturing
  - Product description
  - Intended market of retail sale
  - Intended shipment route
  - Where applicable, the importer into the Union
- In the last position, the timestamp in the form of a numeric sequence of eight characters, in the format YYMMDDhh, indicating the date and time of manufacture.

Apart from the latter, the ID Issuer is responsible for issuing a code acc. to the above requirement.
The timestamp is added by the producer/importer.

1.3.1 Structure of an upUI

1.3.1.1 upUI(S)

(a) ID issuer's prefix in accordance with ISO15459-2:2015 and

(b) serialisation element in the format established by the ID issuer (i.e. UI made visible in the human readable format on the unit packets)

Id Issuer Identifier	Serial Number*
5 (symbols)	10 (symbols)

*Until December 31, 2023 the serial number has 8 symbols.

1.3.1.2 upUI(L)

(a) ID Issuer's prefix in accordance with ISO15459-2:2015,

(b) serialisation element in the format established by the ID issuer (i.e. UI made visible in the human readable format on the unit packets)

(c) product code in the format established by the ID issuer and

(d) timestamp following the Data Type: Time(s)

Id Issuer Identifier	Serial Number*	Productcode	Timestamp
5 (symbols)	10 (symbols)	6 (symbols)	8 (symbols)

*Until December 31, 2023 the serial number has 8 symbols.

1.3.2 Product code

Produkt Information	Manufacturing Information
3 (symbols) Product description	3 (symbols) Place of manufacturing Manufacturing facility Machine used for the manufacturing Intended market of retail sale Intended shipment route the importer into the Union

1.4 Priority types

Type	Explanation
Mandatory (M)	The variable must be completed.
Optional (O)	The variable is for optional fields which could be filled depending on the record status or type.

1.5 Cardinality types

Type	Explanation
Simple (S)	Single value
Multiple (M)	Multiple values

1.6 EO_Type

Value	Description
Producer	Producer
Importer	Importer
Wholesale	Wholesale
RetailOperator	Retail operator

1.7 Order_State

Value	Description
Received	Initial state. The System has just received the Order and stores it.
Valid	The System has verified that the format and contents are correct.
Invalid	The System has found some issues regarding the format or the contents. Order is promoted to invalid for further analysis by the storage provider.
Processing	The System attempts to generate the upUIs
Download_Ready	The System has routed successfully the upUIs to the Secondary Repository.
Completed	Final state if the User has downloaded the Order or 48 hours have passed.
Cancelled	Final state if the System receives a recall message regarding this Order.

1.8 EO_State

Value	Description
Pending_Created	Initial state. A request for registration has been made and is waiting for Confirmation
Active	The Request has been confirmed. The Economic Operator is authorized to use the system
Suspended	An Error has been received from the Secondary Repository and a manual service task hast o be done.
Inactive	The Economic Operator has been deregistered
Rejected	Final State. The registration request has been rejected.

1.9 TobaccoProductType

Value	Description
CIGARETTE	Cigarette
CIGAR	Cigar
CIGARILLO	Cigarillo
ROLL_YOUR_OWN_TOBACCO	Roll your own tobacco
PIPE_TOBACCO	Pipe tobacco
WATERPIPE_TOBACCO	Waterpipe tobacco
ORAL_TOBACCO	Oral tobacco
NASAL_TOBACCO	Nasal tobacco
CHEWING_TOBACCO	Chewing tobacco
NOVEL_TOBACCO_PRODUCT	Novel tobacco product
OTHER	Other

The name oft the value column must be specified as the product type.

2 Basic information

2.1 Message types to be exchanged

The following table summarizes the messages.

Message Type	Message description	Message protection
UPUI	Order for unit level UIs	PASSWORD, API_KEY
AUI	Order for aggregated level UIs	PASSWORD, API_KEY
LOR	List all open orders	PASSWORD, API_KEY
GOR	Get information about an order	PASSWORD, API_KEY
DOR	Download UIs of an order	PASSWORD, API_KEY
COR	Cancel of an order	PASSWORD, API_KEY
RAT	Request of an Api_Key	PASSWORD

2.2 Basic information block concerning the request

Basic information block concerning the resquest – schema					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Request_ID	Unique identifier of the message.	Text	S	M	

Clients authenticate themselves using basic authentication and must send an Api_Key in the authorization header when making requests to protected resources.

The content of the header should look like the following:

Request_ID: <uuid>
Api_Key: <token>

Authorization:
Basic <base64-encoding>

The Api_Key identifies an economic operator so there is no need to send an EO_ID in later message requests.

2.3 Basic information block concerning the respone

Basic information block concerning the response - schema					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
*	All the data fields of the request are returned				

Error response - schema					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Errors	Object containing Error Message, Field name and Constraint	Text	S	M if Error = 1	

2.4 Error body sample

```
{
   "timestamp":"2023-10-09T06:30:51.888"
   "status":400,
   "error": "Bad Request",
   "message": "Error Message",
   "field": "Field name",
   "constraint": "VALIDATION"
}
```

2.5 Common Error codes

HTTP status	Error Code	Error Description
400	BAD REQUEST	This error is returned when: • Mandatory field is missing • Incorrect value set in field
400	BAD REQUEST	When the body of the message doesn't contain a valid JSON.
401	UNAUTHORIZED	Invalid or Expired security token Please note that in this case the code or internal ID is not returned, as the message has not reached the processing service yet.
409	CONFLICT	The request could not be completed due to a conflict with the current state of the target resource.
500	INTERNAL_SERVER _ERROR	Internal system error.

2.6 Cookie Handling

If you have set the Request_ID and the Authorization and still receive the error message "401 Unauthorized", please delete the cookie SMSESSION and add the cookie SMCHALLENGE = YES

```
{
   host: txm.portal.at
   cookie: SMCHALLENGE=YES
   accept-encoding: gzip, deflate
}
```

2.7 Environments

Test: https://txm.portal.at/track-and-trace-tobacco-issuer-t/

Production: https://txm.portal.at/track-and-trace-tobacco-issuer/

3 Messages

3.1 UPUI - Order for unit level UIs

3.1.1 Description

Request for the issuance of serial numbers at unit packet level.

Constraints:

- A maximum of 50 orders and 5.000.000 codes can be ordered at the same time (Status: "RECEIVED", "VALID" or "PROCESSING")
- Maximum number of codes in one order is 2.500.000.

3.1.2 Endpoint

request-method: **POST**
url: **api/v2/public/orders/upui/**

3.1.3 Description of the fields

Field	Description	Data Type	Cardinality	Priority	Values
F_ID	Facility identifier code	Text(50)	S	M	
M_ID	Machine identifier code	Text(50)	S	M, if Process_Type = true	
Process_Type	Indication if the production process involves machinery	Boolean	S	M	false – No (only for fully hand made products) true – Yes
P_Type	Type of tobacco product	String	S	M	See Point: 1.9 TobaccoProductType
P_OtherType	Description of other type of tobacco product	Text(100)	S	M, if P_Type = OTHER (other tobacco product)	
P_CN	Combined Nomenclature (CN) code	Text(100)	S	O	
P_Weight	Average gross weight of unit packet, including packaging, in grams with 0,1 gram accuracy	Decimal	S	M	Sample: 18.05
P_Brand	Brand of tobacco product	Text(100)	S	M	
Intended_Market	Intended country of retail sale.	Text(2)	S	M	Only „AT“ is allowed

Intended_Route1	Indication if the product is intended to be moved across country boarders with terrestrial transport.	Boolean	S	M	false – No true – Yes
Intended_Route2	The first country of terrestrial transport after the product leaves the Member State of manufacturing or the Member State of importation.	Text(2)	S	M, if Intended_ Route1 = true	Country code Sample: AT or DE
TP_ID	The identification number of the product used in the EU-CEG system.	Text(14)	S	M, if Intended Market is an EU country	Validation RegEx: ^[0-9]{5}-[0-9]{2}-[0-9]{5}$ Sample: 12345-67-89101
TP_PN	Tobacco product number used in the EU-CEG system.	Text(30)	S	M, if Intended_M arket is an EU country	GTIN, EAN, SKU or UPC
Import	Indication if the product is imported into the EU	Boolean	S	M	false – No true – Yes
Req_Quantity	Requested quantity of unit packet level UIs	Integer	S	M	Maximum numbers of codes in one order are 2.500.000
Immediate_Process ing_No_Recall_Pos sible	Immediate_Processing_No_Recall _Possible, meaning that the order will be processed immediately by the ID Issuer. However, the requestor is unable to recall an order with this processing priority.	Boolean	S	M	false – No true – Yes
P_OtherID	GTIN (Global Trade Identification) Number (= EAN Package)	Integer	S	O	42137658
P_SubType_Exist	Indicates if the product “subtype name” exists. Subtype name provides further product identification beyond a product's brand name.	Boolean	S	M	false – No true – Yes
P_SubType_Name	The product “subtype name” (if any) as marketed on its intended market	Text(100)	S	M, if P_SubType _Exist = true	
P_Units	The number of individual units in the unit packet (number of sticks in the package).	Integer	S	M, if P_Type = Cigarette,	

				Cigar or Cigarillo	

3.1.4 Response

Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	
Order_Number	Order identifier code	ORDERNUMBER	S	M	

3.1.5 Request sample


```
{
   "F_ID": "QCUKR<1AB020054000049",
   "M_ID": "Machine Id A",
   "Process_Type": true,
   "P_Type": "CIGARETTE",
   "P_OtherType": null,
   "P_SubType_Exist": true,
   "P_SubType_Name": "Product name A",
   "P_Units": 20,
   "P_CN": "FG7H68FHF",
   "P_Brand": "Product brand A",
   "P_Weight": 10,
   "TP_ID": "12345-67-89101",
   "TP_PN": "1234",
   "Intended_Market": "AT",
   "Intended_Route1": true,
   "Intended_Route2": "BG",
   "Import": false,
   "Req_Quantity": 200000,
   "Immediate_Processing_No_Recall_Possible": false
   "P_OtherID": "00012345600012"
}
```


3.1.6 Successful response sample

HTTP Status 200


```
{
   "F_ID": "QCUKR<1AB020054000049",
   "M_ID": "Machine Id A",
   "Process_Type": true,
   "P_Type": "CIGARETTE",
   "P_OtherType": null,
   "P_SubType_Exist": true,
   "P_SubType_Name": "Product name A",
   "P_Units": 20,
   "P_CN": "FG7H68FHF",
   "P_Brand": "Product brand A",
   "P_Weight": 10,
   "TP_ID": "12345-67-89101",
   "TP_PN": "1234",
   "Intended_Market": "AT",
   "Intended_Route1": true,
   "Intended_Route2": "BG",
   "Import": false,
   "Req_Quantity": 200000,
   "Immediate_Processing_No_Recall_Possible": false
   "P_OtherID": "00012345600012"
   "Order_Number": "19040059",
}
```

3.2 AUI - Order for aggregated level UIs

3.2.1 Description

Request for the issuance of serial numbers at aggregated level.

Constraints:

- A maximum of 50 orders and 5.000.000 codes can be ordered at the same time (Status: "RECEIVED", "VALID" or "PROCESSING")
- Maximum number of codes in one order is 2.500.000

3.2.2 Endpoint

request-method: **POST**
url: **api/v2/public/orders/agui/**

3.2.3 Description of the fields

Field	Description	Data Type	Cardinality	Priority	Values
F_ID	Facility identifier code	Text(50)	S	M	
Req_Quantity	Requested quantity of aggregated level UIs	Integer	S	M	Maximum codes in one order are 2.500.000
Immediate_Processing_No_Recall_Possible	Immediate_Processing_No_Recall_Possible, meaning that the order will be processed immediately by the ID Issuer. However, the requestor is unable to recall an order with this processing priority.	Boolean	S	M	false – No true – Yes

3.2.4 Response

Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	
Order_Number	Order identifier code	ORDERNUMBER	S	M	

3.2.5 Request sample

```
{
   "F_ID": "QCUKR<1AB020054000049",
   "Req_Quantity": 2
   "Immediate_Processing_No_Recall_Possible": false
}
```

3.2.6 Successful response sample

HTTP Status 200

```
{
   "F_ID": "QCUKR<1AB020054000049",
   "Req_Quantity": 2
   "Immediate_Processing_No_Recall_Possible": false
   "Order_Number": "19040060",
}
```

3.3 LOR – List all open orders

3.3.1 Description

Lists all open (Status: "RECEIVED", "VALID" or "PROCESSING”) orders created by the invoking EO_ID.

3.3.2 Endpoint

request-method: **GET**
url: **api/v2/public/orders/**

3.3.3 Response

Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	
Array	Array containing Order_Number, F_ID, M_ID, Status, Status_Message, Type, Immediate_Processing_No_Recall_Possible, Req_Quantity, Created		M, except M_ID, which is optional	O	

3.3.4 Successful response sample

HTTP Status 200


```
[
        {
                "Order_Number": "23294337",
                "Status": "PROCESSING",
                "Type": "UNIT_PACK",
                "Immediate_Processing_No_Recall_Possible": false,
                "Req_Quantity": 10,
                "Created": "2023-10-10T13:52:42.389",
                "F_ID": "FID",
                "M_ID": "MID"
        },
        {
                "Order_Number": "23494938",
                "Status": "PROCESSING",
                "Type": "AGGREGATE",
                "Immediate_Processing_No_Recall_Possible": false,
                "Req_Quantity": 2,
                "Created": "2023-10-10T13:58:25.924",
                "F_ID": "FID"
        },
        {
                "Order_Number": "23283316",
                "Status": "RECEIVED",
                "Type": "UNIT_PACK",
                "Immediate_Processing_No_Recall_Possible": false,
                "Req_Quantity": 10,
                "Created": "2023-10-10T14:10:38.624",
                "F_ID": "FID",
                "M_ID": "MID"
        }
]
```

3.4 GOR – Get information about an order

3.4.1 Description

Provides detailed information about a specific order of the invoking EO_ID.

3.4.2 Endpoint

request-method: **GET**
url: **api/v2/public/orders/*{Order_Number}***

3.4.3 Description of the fields

Field	Description	Data Type	Cardinality	Priority	Values
Order_Number	Order Number	ORDERNUMBER	S	M	

3.4.4 Response

Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	
Order_Number	Order Number	ORDERNUMBER	S	M	
F_ID	Facility identifier code	FID	S	M	
M_ID	Machine identifier code	MID	S	O	
Process_Type	Indication if the production process involves machinery	Boolean	S	O	false – No (only for fully hand made products) true – Yes
P_Type	Type of tobacco product	String	S	O	
P_OtherType	Description of other type of tobacco product	Text	S	O	
P_SubType_Exist	Indicates if the product “subtype name” exists.	Boolean	S	M	false – No

	Subtype name provides further product identification beyond a product's brand name.				true – Yes
P_SubType_Name	The product “subtype name” (if any) as marketed on its intended market	Text(200)	S	M, if P_SubType _Exist = true	
P_Units	The number of individual units in the unit packet (number of sticks in the package).	Integer	S	M, if P_Type = Cigarette, Cigar or Cigarillo	
P_CN	Combined Nomenclature (CN) code	Text	S	O	
P_Weight	Average gross weight of unit packet, including packaging, in grams with 0,1 gram accuracy	Decimal	S	O	
P_Brand	Brand of tobacco product	Text	S	O	
TP_ID	The identification number of the product used in the EU-CEG system.	TPID	S	O	
TP_PN	Tobacco product number used in the EU-CEG system.	PN	S	O	
Intended_Market	Intended country of retail sale.	Country	S	O	
Intended_Route1	Indication if the product is intended to be moved across country boarders with terrestrial transport.	Boolean	S	O	false – No true – Yes
Intended_Route2	The first country of terrestrial transport after the product leaves the Member State of manufacturing or the Member State of importation.	Country	S	O	
Import	Indication if the product is imported into the EU	Boolean	S	O	false – No true – Yes
Req_Quantity	Requested quantity of unit packet level UIs	Integer	S	M	
Immediate_Processing_No_Recall_Possible	Immediate_Processing_No_Recall_Possible, meaning that the order will be processed immediately by the ID Issuer. However the requestor is unable to recall an order with this processing priority.	Boolean	S	M	false – No true – Yes

P_OtherID	GTIN (Global Trade Identification) Number (= EAN Package)	Integer	S	O	42137658
Status	State of the order	String	S	M	See Table 1.7 Order_State
Status_Message	If Status is invalid, it contains the error message	String	S	M	
Type	Unit packet level unique identifier coded Aggregated level unique identifier	String	S	M	UNIT_PACK, AGGREGATE
Created	Date the order has been created	Timestamp	S	M	

3.4.5 Successful response sample

HTTP Status 200

```
UNIT PACK sample:
   {
        "Order_Number": "23294337",
        "Status": "PROCESSING",
        "Type": "UNIT_PACK",
        "Immediate_Processing_No_Recall_Possible": false,
        "Req_Quantity": 10,
        "Created": "2023-10-10T13:52:42.389",
        "F_ID": "FID",
        "M_ID": "FID",
        "Process_Type": true,
        "P_Type": "CIGARETTE",
        "P_OtherType": "other-11",
        "P_SubType_Exist": true,
        "P_SubType_Name": "Product name A",
        "P_Units": 20,
        "P_CN": "-22",
        "P_Brand": "-444t",
        "P_Weight": 4.00,
        "TP_ID": "12345-67-89101",
        "TP_PN": "9",
        "Intended_Market": "AT",
        "Intended_Route1": true,
        "Intended_Route2": "AT",
        "Import": false
   }

AGGREGATE sample:
   {
        "Order_Number": "23494938",
        "Status": "PROCESSING",
        "Type": "AGGREGATE",
        "Immediate_Processing_No_Recall_Possible": false,
        "Req_Quantity": 2,
        "Created": "2023-10-10T13:58:25.924",
        "F_ID": "FID"
   }
```

3.5 DOR - Download of an order

3.5.1 Description

Receive order of the invoking EO_ID as a file for download.

When downloading the codes, a zip file is returned, which may contain multiple txt files.
These txt files currently contain a maximum of 50.000 codes per file.
From 21.12.2023 the number of codes per file will be reduced to a maximum of 10.000 codes per txt file.

The txt file contains a list of codes which are separated by a line seperator. You also can download the txt files with the human readable part. These files contain the code and the human readable part, which are separated by a ";".

Example:

```
LEAT13XXXXX1YYYYZZZ;LEAT13XXXXX1
LEAT13XXXXX2YYYYZZZ;LEAT13XXXXX2
LEAT13XXXXX3YYYYZZZ;LEAT13XXXXX3
LEAT13XXXXX4YYYYZZZ;LEAT13XXXXX4
```

3.5.2 Endpoint

request-method: **GET**
url: **api/v2/public/orders/{Order_Number}/download?readable={readable}**

3.5.3 Description of the fields

Field	Description	Data Type	Cardinality	Priority	Values
Order_Number	Order identifier code	ORDERNUMBER	S	M	
readable	Download the codes with the human readable part	Boolean	S	O	True or False (Default False)

3.5.4 Response

Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	
Mimetype	two-part identifier for file formats and format contents transmitted on the Internet	application/zip	S	M	application/zip
Value	this value is of type byte[] in Base64 format.	Text	S	M	

3.5.5 Successful response sample

HTTP Status 200
The response is a ZIP file with the codes of the order.

3.6 COR - Cancel of an order

3.6.1 Description

Request to cancel an order of the invoking EO_ID.

3.6.2 Endpoint

request-method: **GET**
url: **api/v2/public/orders/*{Order_Number}*/cancel**

3.6.3 Description of the fields

Field	Description	Data Type	Cardinality	Priority	Values
Order_Number	Order identifier code	ORDERNUMBER	S	M	

3.6.4 Response

Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	

3.6.5 Successful response sample

HTTP Status 200

3.7 RAT - Request of an Api_Key

3.7.1 Description

Requesting an Api_Key for an EO_ID of your company. When you call this function, a new Api_Key is generated and replaces the old one. The registered economic operator will receive a confirmation by e-mail that his Api_Key has been changed. Note that the old Api_Key is no longer valid immediately after using this message.

3.7.2 Endpoint

request-method: **GET**
url: **api/v2/authorization/token/*{EO_ID}***

3.7.3 Description of the fields

Field	Description	Data Type	Cardinality	Priority	Values
EO_ID	Economic operator's registered ID from the other issuer	EOID	S	M	

3.7.4 Response

Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	
Api_Key	The bearer token is a cryptic string. The client must send this token in the Authorization header when making requests to protected resources.	Text	S	M	

3.7.5 Successful response sample

HTTP Status 200


```
{
   "Api_Key": "43aa2836-b877-4eb7-b190-1fc34665bf36",
}
```