Dentsu Aegis Network
DATA DICTIONARY FOR ECONOMIC OPERATORS v1.2

This document details the Data Dictionary for EU Secondary Repository and Router.

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Legal Notice

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1 Introduction

This document defines a data dictionary for Dentsu Tracking System. It will include information about data base entities and flows, authentication, operational and transactional methods, security edge case, router definition, error messages, registration process and an overall connection diagram.

Note: For the description of the Repositories system components, architecture, processes, data flows, list of interfaces and messages, see the List of Specifications document.

2 Data description

2.1 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'
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)	'DE'
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)	^['_a-z0-9-]+(\.['_a-z0-9]+)*@[a-z0-9]+(\.[a-z0-9]+)*\.(([a-z]{2,3}))$
EOID	Economic operator identifier code corresponding to the format established by ID issuer coded with the invariant set of ISO646:1991 EDOI 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)	
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	Text(18)	'19IT9876AB88901235'

	identifier for entry/import per year and country, and (d) check digit.		
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'
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 (Coordinated Universal Time) time in the following format: YYYY-MM-DDThh:mm:ssZ	Text(34)	E.g. '2020-03-31T23:16:45Z'
TPID	Tobacco Product Identifier (TP-ID) – numeric identifier used in the EU-CEG system in the format: NNNNN-NNNNNNN	Text(14)	02565-16-00230'
upUI(L)	Unit packet level unique identifier coded with the invariant set of ISO646:1991 and composed of three blocks: (a) ID Issuer's prefix in line with ISO154592:2015, (b) middle block in the format established by ID Issuer and (c) 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: (a) ID Issuer's prefix in line with ISO154592:2015 and (b) serialisation element in the format established by ID issuer (i.e. UI made visible in the human readable format on the unit packets)		

2.2 Priority types

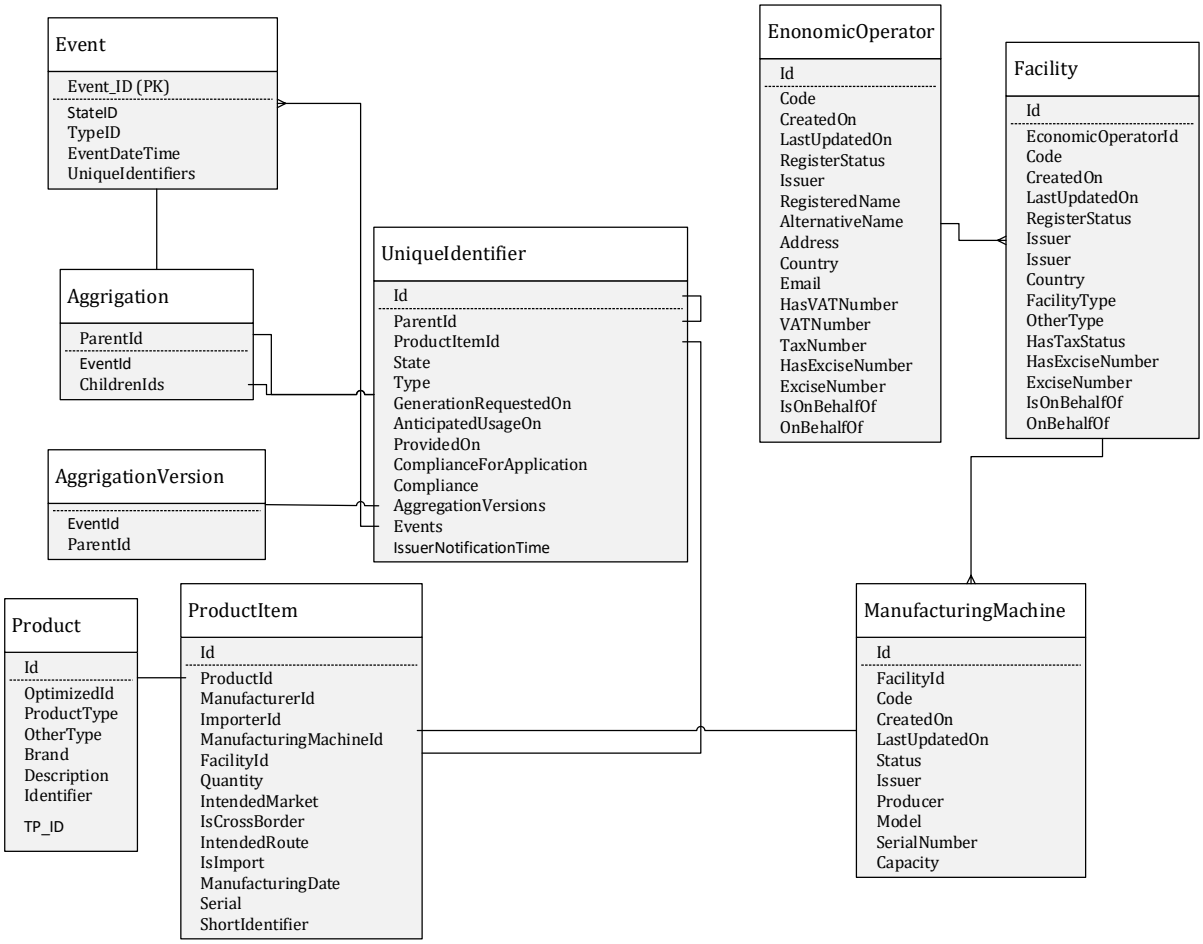
Type	Explanation
Mandatory (M)	The variable must be completed.
Optional (O)	The variable is for optional fields which could be filled depending on the record status or type.

2.3 Cardinality types

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

2.4 Minimum Data model

The minimal data model describes the contents, format, and structure of a database and the relationship between its different elements.
Note: the Minimum Data Model may be extended.



2.4.1 Event

Field	Description	Data Type	Mandatory	Comments
Id *(PK)*	Internal identification number of this event	Integer	M	
StateID	The state of the event	EventState ID	M	EventState Type
TypeID	The type of the event	EventType ID	M	EventType Type

EventDateTime	Date and Time when the event occurs	Time(L)	M	
Content	Full content of the event.	Component	M	

2.4.2 Product

Field	Description	Data Type	Mandatory	Comments
Id (PK)	Internal identification number. This number is generated by the ID Issuer	Text(4)	M	
EO_ID (FK)	Economic operator identifier code of the submitting entity (either EU manufacturer or EU importer)	EOID	M	
F_ID	Facility identifier code	FID	M	
Process_Type	Indication if the production process involves machinery	Boolean	M	0 – No (only for fully hand made products) 1 – Yes
M_ID	Machine identifier code	MID	M	
P_Type	Type of tobacco product	Integer	M	See TobaccoProductType
P_OtherType	Description of other type of tobacco product	Text	M, if P_Type = 11 (other tobacco product)	
P_CN	Combined Nomenclature (CN) code	Text	O	
P_weight	Average gross weight of unit packet, including packaging, in grams with 0,1 gram accuracy	Decimal	M	
P_Brand	Brand of tobacco product	Text	M	
TP_ID	The identification number of the product used in the EU-CEG system.	TPID	M, if Intended_ Market is an EU country	

TP_PN	Tobacco product number used in the EU-CEG system	PN	M, if Intended_ Market is an EU country	
Intended_Market	Intended country of retail sale.	Country	M	
Intended_Route1	Indication if the product is intended to be moved across country boarders with terrestrial transport.	Boolean	M	0 – No 1 – 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	M, if Intended_ Route1 = 1	
Import	Indication if the product is imported into the EU	Boolean	M	0 – No 1 – Yes
Req_Quantity	Requested quantity of unit packet level UIs	Integer	M	
P_OtherID	Optional Product ID	Text(20)	O	

2.4.3 TobaccoProductItem

Field	Description	Data Type	Mandatory	Comments
Id (PK)	The identification code (i.e. unique identifier) of the product item as required by Article 15(2)	upUI(L)	M	
ProductId (FK)	The identification code of the product	Product Id	M	
ManufacturerId (FK)	Identifier of the manufacturer of this tobacco product	MID	M	
ImporterId (FK)	The identifier of the	EOID		

	importer into the Union, if applicable			
ManufacturingMachine_Id (FK)	The identifier of the manufacturing machine	ManufacturingMachine MID	M	
FacilityId (FK)	The identifier of the manufacturing facility. This date is the one used for requesting the issuance of codes.	Facility FID	M	
IntendedMarket	Intended country of retail sale	Country	M	
IsCrossBorder	Indication if the product is intended to be moved across country boarders with terrestrial transport	Boolean	M	0 – No 1 – Yes
IntendedRoute	The first country of terrestrial transport after the product leaves the Member State of manufacturing or the Member State of importation	Country		M, if Intended_Route1 = 1
IsImport	Indication if the product is imported into the EU	Boolean	M	0 – No 1 – Yes
ManufacturingDate	Date of manufacturing. This date is the one used for	Time(s)	M	

	requesting the issuance of codes			
Serial	Serial number provided by the ID Issuer	Serial	M	
ShortIdentifier	Short unique identifier	upUI(s)		

2.4.4 UniqueIdentifier

Field	Description	Data Type	Mandatory	Comments
ID (PK)	Unique identifier of the unit packets or aggregated packaging level	Text(50)	M	
State	The state of the unique identifier	UniqueIdentifierState ID	M	UniqueIdentifierState Type
Type	The type of the unique identifier	UniqueIdentifierType ID	M	UniqueIdentifierType Type
GenerationRequestedOn	Date and Time when the generation was requested	Time (L)	M	
AnticipatedUsageOn	Date and Time when the generator intends to use it	Time (L)	M	
IssuerNotificationTime	Date and Time when the generation was notified to the storage	Time(L)	M	
ParentId	The identifier of the parent element that contains this item	UniqueIdentifier ID	O	

2.5 Registered entities

2.5.1 EconomicOperator

Field	Description	Data Type	Mandatory	Comments
Id (PK)	Economic operator's registered ID	EOID	M	
CreatedOn	Timestamp when the registration has been accomplished	Time(L)	M	
LastUpdatedOn	Timestamp of the last change on the register	Time(L)		
RegisterStatus	Status of the registration	Integer	M	RegisterStatus Type
Issuer	Identification number of the ID Issuer solution that has processed the registration	IIID	M	
EO_Name1	Economic operator's registered name	Text(100)	M	
EO_Name2	Economic operator's alternative or abridged name	Text(100)	O	
EO_Address	Economic operator's address – street name, house number, postal code, city	Text(300)	M	
EO_CountryReg	Economic operator's country of registration	Country	M	See Country
EO_Email	Economic operator's email address; used to inform about registration process, incl. subsequent changes and other required correspondence	Text	M	
VAT_R	Indication of the VAT registration status	Boolean	M	– No VAT registration – VAT number exists
VAT_N	Economic operator's VAT number	Text(20)	M, if VAT_R = 1	
TAX_N	Economic operator's tax registration number	Text(20)	M, if VAT_R = 0	
EO_ExciseNumber1	Indication if the economic operator has an excise number issued by the competent authority for the	Boolean	M	– No SEED number – SEED number exists

	purpose of identification of persons/premises			
EO_ExciseNumber2	Economic operator's excise number issued by the competent authority for the purpose of identification of persons/premises	SEED	M, if EO_ExciseNumber1 = 1	
OtherEOID_R	Indication if the economic operator has been allocated an identifier by another ID Issuer	Boolean	M	– No – Yes
OtherEOID_N	Economic operator identifier codes allocated by other ID Issuers	List of EOIDs	M, if OtherEOID_R = 1	List of EOIDs
Reg_3RD	Indication if the registration is made on behalf of a retail outlet operator not otherwise involved in the tobacco trade	Boolean	M	– No – Yes
Reg_EOID	Identifier of the economic operator that acts on behalf of a retail outlet operator not otherwise involved in the tobacco trade	EOID	M, if Reg_3RD = 1	
EO_OtherID	Optional identifier	Text(50)	O	
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	Text	M	

2.5.2 Facility

Field	Description	Data Type	Mandatory	Comments
EO_ID(FK)	Economic operator identifier code	EOID	M	
F_ID (PK)	Facility code from the RFA code issuer call	FID	M	
CreatedOn	Timestamp when the registration has been accomplished	Time(L)	M	
LastUpdatedOn	Timestamp of the last change on the register	Time(L)		
RegisterStatus	Status of the registration	Integer	M	RegisterStatus Type
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	Text(20)	M	
F_Address	Facility's address – street name, house number, postal code and city	Text	M	
F_Country	Facility's country	Country	M	See Country
F_Type	Type of facility	Integer	M	See FacilityType
F_Type_Other	Description of other facility type	Text	M, if F_Type = 4	
F_Status	Indication if a part of the facility has a bonded warehouse status	Boolean	M	– No – Yes
F_ExciseNumber1	Indication if the facility has an excise number issued by the competent authority for the purpose of identification of persons/premises	Boolean	M	– No SEED number – SEED number exists
F_ExciseNumber2	Facility's excise number issued by the competent authority for the purpose of identification of persons/premises	SEED	M, if F_ExciseNumber1 = 1	
OtherFID_R	Indication if the facility has been allocated an identifier by another ID Issuer	Boolean	M	– No – Yes (possible only for non-EU facilities)

OtherFID_N	Facility identifier codes allocated by other ID Issuers	List of FID	M, if OtherFID _R = 1	List of FID
Reg_3RD	Indication if the registration is made on behalf of a retail outlet operator not otherwise involved in the tobacco trade	Boolean	M	0 – No 1 – Yes (possible only if F_Type = 3)
Reg_EOID	Identifier of the economic operator that acts on behalf of a retail outlet operator not otherwise involved in the tobacco trade	EOID	M, if Reg_3RD = 1	

2.5.3 ManufacturingMachine

Field	Description	Data Type	Mandatory	Comments
M_ID (PK)	Machine identifier received from the RMA request made to the code issuer.	MID	M	
F_ID (FK)	Facility identifier code	FID	M	
CreatedOn	Timestamp when the registration has been accomplished	Time(L)	M	
LastUpdatedOn	Timestamp of the last change on the register	Time(L)		
Status	Status of the registration	Integer	M	RegisterStatus Type
M_Producer	Machine producer	Text(20)	M	
M_Model	Machine model	Text(20)	M	
M_Number	Machine serial number	Text(20)	M	
M_Capacity	Maximum capacity over 24hour production cycle expressed in unit packets	Integer	M	

2.6 Master Data Types

2.6.1 Country

Code	Value
AD	Andorra
AE	United Arab Emirates
AF	Afghanistan
AG	Antigua and Barbuda

AI	Anguilla
AL	Albania
AM	Armenia
AO	Angola
AQ	Antarctica
AR	Argentina
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AX	Åland Islands
AZ	Azerbaijan
BA	Bosnia and Herzegovina
BB	Barbados
BD	Bangladesh
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BL	Saint Barthélemy
BM	Bermuda
BN	Brunei Darussalam
BO	Bolivia (Plurinational State of)
BQ	Bonaire, Sint Eustatius and Saba
BR	Brazil
BS	Bahamas
BT	Bhutan
BV	Bouvet Island
BW	Botswana
BY	Belarus
BZ	Belize
CA	Canada
CC	Cocos (Keeling) Islands
CD	Congo, Democratic Republic of the
CF	Central African Republic
CG	Congo
CH	Switzerland
CI	Côte d'Ivoire
CK	Cook Islands
CL	Chile
CM	Cameroon
CN	China
CO	Colombia
CR	Costa Rica
CU	Cuba
CV	Cabo Verde
CW	Curaçao
CX	Christmas Island

CY	Cyprus
CZ	Czechia
DE	Germany
DJ	Djibouti
DK	Denmark
DM	Dominica
DO	Dominican Republic
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EH	Western Sahara
ER	Eritrea
ES	Spain
ET	Ethiopia
FI	Finland
FJ	Fiji
FK	Falkland Islands (Malvinas)
FM	Micronesia (Federated States of)
FO	Faroe Islands
FR	France
GA	Gabon
GB	United Kingdom of Great Britain and Northern Ireland
GD	Grenada
GE	Georgia
GF	French Guiana
GG	Guernsey
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
GQ	Equatorial Guinea
GR	Greece
GS	South Georgia and the South Sandwich Islands
GT	Guatemala
GU	Guam
GW	Guinea-Bissau
GY	Guyana
HK	Hong Kong
HM	Heard Island and McDonald Islands
HN	Honduras
HR	Croatia
HT	Haiti
HU	Hungary
ID	Indonesia
IE	Ireland
IL	Israel

IM	Isle of Man
IN	India
IO	British Indian Ocean Territory
IQ	Iraq
IR	Iran (Islamic Republic of)
IS	Iceland
IT	Italy
JE	Jersey
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KH	Cambodia
KI	Kiribati
KM	Comoros
KN	Saint Kitts and Nevis
KP	Korea (Democratic People's Republic of)
KR	Korea, Republic of
KW	Kuwait
KY	Cayman Islands
KZ	Kazakhstan
LA	Lao People's Democratic Republic
LB	Lebanon
LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libya
MA	Morocco
MC	Monaco
MD	Moldova, Republic of
ME	Montenegro
MF	Saint Martin (French part)
MG	Madagascar
MH	Marshall Islands
MK	Macedonia, the former Yugoslav Republic of
ML	Mali
MM	Myanmar
MN	Mongolia
MO	Macao
MP	Northern Mariana Islands
MQ	Martinique
MR	Mauritania
MS	Montserrat
MT	Malta

MU	Mauritius
MV	Maldives
MW	Malawi
MX	Mexico
MY	Malaysia
MZ	Mozambique
NA	Namibia
NC	New Caledonia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway
NP	Nepal
NR	Nauru
NU	Niue
NZ	New Zealand
OM	Oman
PA	Panama
PE	Peru
PF	French Polynesia
PG	Papua New Guinea
PH	Philippines
PK	Pakistan
PL	Poland
PM	Saint Pierre and Miquelon
PN	Pitcairn
PR	Puerto Rico
PS	Palestine, State of
PT	Portugal
PW	Palau
PY	Paraguay
QA	Qatar
RE	Réunion
RO	Romania
RS	Serbia
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles
SD	Sudan
SE	Sweden
SG	Singapore
SH	Saint Helena, Ascension and Tristan da Cunha
SI	Slovenia
SJ	Svalbard and Jan Mayen
SK	Slovakia
SL	Sierra Leone

SM	San Marino
SN	Senegal
SO	Somalia
SR	Suriname
SS	South Sudan
ST	Sao Tome and Principe
SV	El Salvador
SX	Sint Maarten (Dutch part)
SY	Syrian Arab Republic
SZ	Eswatini
TC	Turks and Caicos Islands
TD	Chad
TF	French Southern Territories
TG	Togo
TH	Thailand
TJ	Tajikistan
TK	Tokelau
TL	Timor-Leste
TM	Turkmenistan
TN	Tunisia
TO	Tonga
TR	Turkey
TT	Trinidad and Tobago
TV	Tuvalu
TW	Taiwan, Province of China
TZ	Tanzania, United Republic of
UA	Ukraine
UG	Uganda
UM	United States Minor Outlying Islands
US	United States of America
UY	Uruguay
UZ	Uzbekistan
VA	Holy See
VC	Saint Vincent and the Grenadines
VE	Venezuela (Bolivarian Republic of)
VG	Virgin Islands (British)
VI	Virgin Islands (U.S.)
VN	Viet Nam
VU	Vanuatu
WF	Wallis and Futuna
WS	Samoa
YE	Yemen
YT	Mayotte
ZA	South Africa
ZM	Zambia
ZW	Zimbabwe

2.6.2 DeactivationReasonType

Value	Name

1	Product destroyed
2	Product stolen
3	UI destroyed
4	UI stolen
5	UI unused
6	Other

2.6.3 EventState

Value	Name	Description
1	Received	Initial state. The Data Acquisition component has just received the event and stores it.
2	Valid	The Data Processing component has verified that the format and contents are correct.
3	Invalid	The Data Processing component has found some issues regarding the format or the contents. Event is promoted to invalid for further analysis by the storage provider.
4	Routed	The Data Processing component has routed (or copied) successfully the event to the other Data Storage.
5	ConsolidationInProgress	The Data Processing attempts to consolidate the information included in the event, if possible.
6	Consolidated	If the consolidation has been done, it is then promoted to Consolidated.
7	Orphaned	If the consolidation has not been possible because some prior events were missing, it is promoted to Orphaned.
8	Cancelled	Final state if the System receives a recall message regarding this event.

2.6.4 EventType

Value	Name
REO	Registration of an Economic operator
REOD	Registration Data of an Economic operator
CEO	Correction for an economic operator identifier code
DEO	De-registration of economic operator identifier code
RFA	Request for a facility identifier code
RFAD	Data for a facility identifier code
CFA	Correction of information concerning the facility identifier code
DFA	De-registration of facility identifier code
RMA	Request for a machine identifier code
RMAD	Data for a machine identifier code
CMA	Correction of information concerning the machine identifier code
DMA	De-registration of machine identifier code

ICV	Identifier code verification
ULO	Flat file and registry File upload
PLO	Partial Flat file and registry transmission
ISU	Request for unit level UIs
IRU	Response for unit level UIs
ISA	Request for reporting the issuance of serial numbers at aggregated level
IRA	Response for reporting the issuance of serial numbers at aggregated level
IDA	Request for deactivation of UIs
EUA	Application of unit level UIs on unit packets
EPA	Application of aggregated level UIs on aggregated packaging
EDP	Dispatch Event
ERP	Reception event
ETL	Trans-loading event
EUD	Message to report an UID disaggregation
EVR	Report the delivery carried out with a vending van to retail outlet
EIV	Message to report an invoice
EPO	Purchase order
EPR	Payment record
RCL	Recall messages
LUP	Download Offline flat file
CTM	Connectivity Test Messages

2.6.5 FacilityType

Value	Name
1	Manufacturing site with warehouse
2	Standalone warehouse
3	First retail outlet
4	Other

2.6.6 InvoiceType

Value	Name
1	Original
2	Correction
3	Other

2.6.7 NotificationType

Value	Name	Description
1	Informative	The notification only includes descriptive information, but not related to any error or abnormal situation.
2	Warning	The notification includes information about some alert or warning to be considered.
3	Alarm	The notification includes information about some alarm triggered by the System.
4	InternalError	The notification includes information about some error that has occurred within the System.
5	Other	The notification includes information about some other situation, not listed above, that has occurred within the System.

2.6.8 PaymentType

Value	Name
1	Bank transfer
2	Bank card
3	Cash
4	Other

2.6.9 RecallReasonType

Value	Name
1	Reported event did not materialise
2	Message contained erroneous information
3	Other

2.6.10 RegisterStatus

Value	Name
1	Registered
2	De-registered

2.6.11 TobaccoProductType

Value	Name
1	Cigarette
2	Cigar
3	Cigarillo
4	Roll your own tobacco
5	Pipe tobacco
6	Waterpipe tobacco
7	Oral tobacco
8	Nasal tobacco
9	Chewing tobacco
10	Novel tobacco product

11	Other

2.6.12 TransportMode

Value	Name
0	Other
1	Sea Transport
2	Rail transport
3	Road transport
4	Air transport
5	Postal consignment
6	Fixed transport installations
7	Inland waterway transport

2.6.13 UniqueIdentifierState

Value	Name	Description
1	Generated	Initial state of the unique identifier. The ID Issuer reports the issuance of some codes and the Secondary repository creates a unique identifier record with the initial state (i.e. Generated).
2	Activated	The unique identifier, after being verified by the manufacturer, matches one unique identifier stored in the Secondary repository under the status “Generated”. Additionally, the information contained in the date element of information matches the valid activation date for that unique identifier.
3	Deactivated	The manufacturer reports the deactivation of that unique identifier. Other cause of deactivation is when manufacturers tries to activate a unique identifier whose date element of information does not match the valid activation date for that unique identifier.
4	Expired	The Secondary repository promotes to “Expired” the codes that have been issued, but their activation has not been reported within a certain period of time (i.e. expiration time).
5	Delivered	The distributor or wholesaler reports that this tobacco product item has been successfully dispatched to the final retailer.

2.6.14 UniqueIdentifierType

Value	Name	Description
1	UnitPacket	Unique identifier at unit packet level
2	AggregatedPackaging	Unique identifier at aggregated packaging level

3 Messages

3.1 Message types to be exchanged

Described in the Regulation Annex II "Key messages to be sent by the economic operators"
5 categories of messages, related to:

- Identifier codes for economic operators, facilities and machines
- Unique identifiers for unit level UIs and aggregated level UIs
- Recording and transmission of information on product movements
- Transactional events
- Recalls

The following table summarizes the messages.

Message Type	Annex II Reference	Message description
REO	(1.1)	Registration of an Economic operator
REOD		Registration Data of an Economic operator
CEO	(1.2)	Correction for an economic operator identifier code
DEO	(1.3)	De-registration of economic operator identifier code
RFA	(1.4)	Request for a facility identifier code
RFAD		Data for a facility identifier code
CFA	(1.5)	Correction of information concerning the facility identifier code
DFA	(1.6)	De-registration of facility identifier code
ISU	(2.1)	Request for unit level UIs
IRU		Response for unit level UIs
IRA	(2.2)	Request for reporting the issuance of serial numbers at aggregated level
ISA		Request for reporting the issuance of serial numbers at aggregated level
IDA	(2.3)	Request for deactivation of UIs
EUA	(3.1)	Application of unit level UIs on unit packets
EPA	(3.2)	Application of aggregated level UIs on aggregated packaging
EDP	(3.3)	Dispatch Event
ERP	(3.4)	Reception event
ETL	(3.5)	Trans-loading event
EUD	(3.6)	Message to report an UID disaggregation
EVR	(3.7)	Report the delivery carried out with a vending van to retail outlet
EIV	(4.1)	Message to report an invoice
EPO	(4.2)	Purchase order

EPR	(4.3)	Payment record
RCL	(5.0)	Recall messages

3.1.1 Optional II2MN II2DW interfaces

The ID Issuer defines the communication between the EO and the ID issuer corresponding to interfaces II2MN and II2DW.
The proposed messages presented in this Data Dictionary are sample messages to illustrate the overall flow of data from the EO to the Secondary repository. These messages should be considered as a Guideline with no obligation of implementation.
All messages part of the II2MN and II2DW interfaces are marked as optional in this document.

3.1.2 Message and endpoints

		Message support
Router Endpoints		
Router	The authentication endpoint	
Router	The resource endpoint	IRU,IRA,IDA,EUA,EPA,EDP,ERP,ETL,EUD,EVR, EIV,EPO,EPR,RCL

3.2 Common schema elements

3.2.1 Basic information block concerning the request

Basic information block concerning the request - schema					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Message_Type	The identifier of the type of message	Text	S	M	See above types of messages list
Code	The internal code of acknowledgment of the message. Used for recall too.	Text	S	M	property is nullable
RejectionData	The failure data recorded in the primary should the validation fail.	FalureData (See below table)	S	O	This should only be filled if the primary validation fails.

The Code should be set to null for the initial request.

RejectionData - schema					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
ResponseText	The response of the primary	Text	S	M	
Errors	List of the errors. Array containing Error_Code, Error_Descr, InternalId	Test	S	M	

If the secondary repository receives a message with this “RejectionData” non null, it will not process the message and will instead record / audit the failure. This for later analysis, used to find possible illicit trade.

3.2.2 Basic information block concerning the response

Basic information block concerning the response - schema					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Message_Type	The identifier of the type of message that the response refers to	Text	S	M	See above types of messages list
Error	Indicates the failure of the message reception	Boolean	S	M	0 – No 1- Yes
Errors	Array containing Error_Code, Error_Data, Error_Descr, InternalId	Text	S	M if Error = 1	System error catalogue at **Error! Reference source not found.**
Code	Unique identifier of the message. Used for recall too.	Text	S	M	
Checksum	The calculated checksum of the data received	Text	S	M	

3.2.3 Common Error codes

HTTP status	Error Code	Error Description
401	SECURITY_INVALID_OR_EXPIRED_TOKEN	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.
400	INVALID_REQUEST_FORMAT	This error is returned when at least one of the mandatory fields are missing.
400	INVALID_MESSAGE_TYPE	When the field “Message_Type” is out of the defined list.
400	INVALID_INPUT_FORMAT	When the body of the message doesn’t contain a valid JSON.
500	SYSTEM_ERROR	Internal system error.

3.3 Identifier codes for economic operators, facilities and machines messages

3.3.1 REO - (1.1) Registration of an Economic operator

3.3.1.1 Description

Submit the information for the first registration of the economic operator.

3.3.1.2 Description of the fields

registration of economic operator – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**

BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = REO
EO_Name1	Economic operator's registered name	Text	S	M	
EO_Name2	Economic operator's alternative or abridged name	Text	S	O	
EO_Address	Economic operator's address – street name, house number, postal code, city	Text	S	M	
EO_CountryReg	Economic operator's country of registration	Country	S	M	See Country
EO_Email	Economic operator's email address; used to inform about registration process, incl. subsequent changes and other required correspondence	Text	S	M	
VAT_R	Indication of the VAT registration status	Boolean	S	M	**0** – No VAT registration **1** – VAT number exists
VAT_N	Economic operator's VAT number	Text	S	M, if VAT_R = 1	
TAX_N	Economic operator's tax registration number	Text	S	M, if VAT_R = 0	
EO_ExciseNumber1	Indication if the economic operator has an excise number issued by the competent authority for the purpose of identification of persons/premises	Boolean	S	M	**0** – No SEED number **1** – SEED number exists
EO_ExciseNumber2	Economic operator's excise number issued by the competent authority for the purpose of identification of persons/premises	SEED	S	M, if EO_ExciseNumber 1 = 1	
OtherEOID_R	Indication if the economic operator has been allocated an identifier by another ID Issuer	Boolean	S	M	**0** – No **1** – Yes
OtherEOID_N	Economic operator identifier codes allocated by other ID Issuers	EOID	M	M, if OtherEOID_R = 1	
Reg_3RD	Indication if the registration is made on behalf of a retail outlet operator not otherwise involved in the tobacco trade	Boolean	S	M	**0** – No **1** – Yes
Reg_EOID	Identifier of the economic operator that acts on behalf of a retail outlet operator not otherwise involved in the tobacco trade	EOID	S	M, if Reg_3RD = 1	
EO_OtherID	Optional identifier	Text(50)	S	O	

Extensibility	Optional extensibility field	Text	S	O	

3.3.1.3 Response:

Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = REO
EO_ID	Economic operator's registered ID	EOID	S	O	
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	Text	S	O	
Extensibility	Optional extensibility field	Text	S	O	

3.3.1.4 Request sample

```
{
  "EO_Name1": "Example Legal Entity",
  "EO_Name2": "",
  "EO_Address": "59 Legal Street",
  "EO_CountryReg": "DE" ,
  "EO_Email": "email@test.com",
  "VAT_R": true,
  "VAT_N": "VATNumber 1",
  "TAX_N": "Tax",
  "EO_ExciseNumber1":true,
  "EO_ExciseNumber2": "LA111FD",
  "OtherEOID_R": false,
  "OtherEOID_N": [ "" ],
  "Reg_3RD": false,
  "Reg_EOID": "",
  "EO_OtherID ": "GLNSAMPLE",
  "Message_Type": "REO",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a",
  "EO_OtherID": "XFG6GN5J5JG98VJKFHJKKJ"
}
```

3.3.1.5 Successful response sample

HTTP Status 202

```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "EO_CODE": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "REO",
    "Error": false,
    "Errors": null,
    "Checksum": "DFG65H"
}
```

3.3.1.6 Error response sample

Processing errors

HTTP status		

<< Common response code >>		
400	ALREADY_EXISTS	Indicated that the CRUD action in add a new entity failed, as the item already exist. This is when checking of the item id already exists.

3.3.2 REOD - Data Registration of an Economic operator

3.3.2.1 Description

The REOD message is the response to the REO message. This message can be issued in an asynchronous manner and contains the EO_ID.

3.3.2.2 Description of the fields

registration of economic operator – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = REOD
Original_Code	The Code of the Original request	Text	S	M	
EO_ID	Economic operator's registered ID	EOID	S	M	
EO_Name1	Economic operator's registered name	Text	S	M	
EO_Name2	Economic operator's alternative or abridged name	Text	S	O	
EO_Address	Economic operator's address – street name, house number, postal code, city	Text	S	M	
EO_CountryReg	Economic operator's country of registration	Country	S	M	See Country
EO_Email	Economic operator's email address; used to inform about registration process, incl. subsequent changes and other required correspondence	Text	S	M	
VAT_R	Indication of the VAT registration status	Boolean	S	M	2 – No VAT registration 3 – VAT number exists
VAT_N	Economic operator's VAT number	Text	S	M, if VAT_R = 1	
TAX_N	Economic operator's tax registration number	Text	S	M, if VAT_R = 0	
EO_ExciseNumber1	Indication if the economic operator has an excise number issued by the competent authority for the purpose of identification of persons/premises	Boolean	S	M	2 – No SEED number 3 – SEED number exists

EO_ExciseNumber2	Economic operator's excise number issued by the competent authority for the purpose of identification of persons/premises	SEED	S	M, if EO_ExciseNumber 1 = 1	
OtherEOID_R	Indication if the economic operator has been allocated an identifier by another ID Issuer	Boolean	S	M	2 – No 3 – Yes
OtherEOID_N	Economic operator identifier codes allocated by other ID Issuers	EOID	M	M, if OtherEOID_R = 1	
Reg_3RD	Indication if the registration is made on behalf of a retail outlet operator not otherwise involved in the tobacco trade	Boolean	S	M	2 – No 3 – Yes
Reg_EOID	Identifier of the economic operator that acts on behalf of a retail outlet operator not otherwise involved in the tobacco trade	EOID	S	M, if Reg_3RD = 1	
EO_OtherID	Optional identifier	Text(50)	S	O	
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	Text	S	M	
Extensibility	Optional extensibility field	Text	S	O	

3.3.2.3 Response:

Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = REOD
Extensibility	Optional extensibility field	Text	S	O	

3.3.2.4 Request sample

```
{
  "Original_Code": "873345b2-882f-4064-91f0-90669b46c30a",
  "EO_ID": "QCUKR+1AB020054",
  "EO_Name1": "Example Legal Entity",
  "EO_Name2": "",
  "EO_Address": "59 Legal Street",
  "EO_CountryReg": "DE" ,
  "EO_Email": "email@test.com",
  "VAT_R": true,
  "VAT_N": "VATNumber 1",
  "TAX_N": "Tax",
  "EO_ExciseNumber1":true,
  "EO_ExciseNumber2": "LA111FD",
  "OtherEOID_R": false,
  "OtherEOID_N": [ "" ],
  "Reg_3RD": false,
  "Reg_EOID": "",
  "EO_OtherID ": "GLNSAMPLE",
  "Message_Type": "REO",
```

```
  "Code": "873345b2-882f-4064-91f0-90669b46c30a",
  "EO_CODE": "873345b2-882f-4064-91f0-90669b46c30a",
  "EO_OtherID": "XFG6GN5J5JG98VJKFHJKKJ"

}
```


3.3.2.5 Successful response sample

HTTP Status 202


```
{
    "Code": "6854f9a6-a2b2-4c08-8000-0173f3c35567",
    "Message_Type": "REOD",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```


3.3.2.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.3.3 CEO – (1.2) Correction for an economic operator identifier code

3.3.3.1 Description

Submit the information of an economic operator known to the repository in order to update 1 or more properties. This information in entirety will over write the previous data held regarding the master data of this economic operator. Links (for example dispatches) to / from this EO_ID will be maintained.

3.3.3.2 Description of the fields

Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = CEO
EO_ID	Economic operator identifier code	EOID	S	M	
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	Text	S	M	
EO_Name1	Economic operator's registered name	Text	S	M	
EO_Name2	Economic operator's alternative or abridged name	Text	S	O	
EO_Address	Economic operator's address – street name, postal code and city	Text	S	M	
EO_CountryReg	Economic operator's country of registration	Country	S	M	See Country
EO_Email	Economic operator's email address – used to inform about registration process, incl. subsequent changes	Text	S	M	
VAT_R	Indication of the VAT registration status	Boolean	S	M	0 – No VAT registration 1 – VAT number exists
VAT_N	Economic operator's VAT number	Text	S	M, if VAT_R = 1	
TAX_N	Economic operator's tax registration number	Text	S	M, if VAT_R = 0	
EO_ExciseNumber1	Indication if the economic operator has an excise number issued by the competent authority for the purpose of identification of persons/premises	Boolean	S	M	0 – No SEED number 1 – SEED number exists
EO_ExciseNumber2	Economic operator's excise number issued by the competent authority for the purpose of identification of persons/premises	SEED	S	M, if EO_ExciseNumber1 = 1	

OtherEOID_R	Indication if the economic operator has been allocated an identifier by another ID Issuer	Boolean	S	M	0 – No 1 – Yes
OtherEOID_N	Economic operator identifier codes allocated by other ID Issuers	EOID	M	M, if OtherEOID_R = 1	
Reg_3RD	Indication if the registration is made on behalf of a retail outlet operator not otherwise involved in the tobacco trade	Boolean	S	M	0 – No 1 – Yes
Reg_EOID	Identifier of the economic operator that acts on behalf of a retail outlet operator not otherwise involved in the tobacco trade	EOID	S	M, if Reg_3RD = 1	
Extensibility	Optional extensibility field	Text	S	O	

3.3.3.3 Response:

correction of information concerning the economic operator – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = CEO
Extensibility	Optional extensibility field	Text	S	O	

3.3.3.4 Request sample

```
{
  "Message_Type": "CEO",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a",
  "EO_ID": "QCUKR+1AB020054",
  "EO_CODE": "873345b2-882f-4064-91f0-90669b46c30a",
  "EO_Name1": "registerationname",
  "EO_Name2": "",
  "EO_Address": "address 1",
  "EO_CountryReg": 27,
  "EO_Email": "email@test.com",
  "VAT_R": true,
  "VAT_N": "VATNumber 1",
  "TAX_N": "Tax",
  "EO_ExciseNumber1": true,
  "EO_ExciseNumber2": "LA111FD",
  "OtherEOID_R": false,
  "OtherEOID_N": [ "" ],
  "Reg_3RD": false,
  "Reg_EOID": ""
}
```

3.3.3.5 Successful response sample

HTTP Status 202

```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "CEO",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.3.3.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.3.4 DEO – (1.3) De-registration of economic operator identifier code.

3.3.4.1 Description

De-registers a previously known operator identifier for a given EO_ID

3.3.4.2 Description of the fields

De-registration of economic operator – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = DEO
EO_ID	Economic operator identifier code	EOID	S	M	
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	Text	S	M	
Reg_3RD	Indication if the registration is made on behalf of a retail outlet operator not otherwise involved in the tobacco trade	Boolean	S	M	0 – No 1 – Yes
Reg_EOID	Identifier of the economic operator that acts on behalf of a retail outlet operator not otherwise involved in the tobacco trade	EOID	S	M, if Reg_3RD = 1	
Extensibility	Optional extensibility field	Text	S	O	

3.3.4.3 Response:

correction of information concerning the economic operator – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = DEO
Extensibility	Optional extensibility field	Text	S	O	

3.3.4.4 Request sample

```
{
    "EO_ID": "QCUKR+1AB020054",
    "EO_CODE": "873345b2-882f-4064-91f0-90669b46c30a ",
    "Reg_3RD": false,
    "Reg_EOID": "Machine Id A",
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "DEO"
}
```

3.3.4.5 Successful response sample

HTTP Status 202

```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "DEO",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.3.4.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.3.5 RFA – (1.4) Request for a facility identifier code

3.3.5.1 Description

Add a previously unsent / registered facility. Defined as unseen by the existence of the facility id in the repository.

3.3.5.2 Description of the fields

Request:

Registration of facility – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = RFA
EO_ID	Economic operator identifier code	EOID	S	M	
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	Text	S	M	
F_Address	Facility's address – street name, house number, postal code and city	Text	S	M	
F_Country	Facility's country	Country	S	M	See Country
F_Type	Type of facility	Integer	S	M	See FacilityType
F_Type_Other	Description of other facility type	Text	S	M, if F_Type = 4	
F_Status	Indication if a part of the facility has a bonded warehouse status	Boolean	S	M	0 – No 1 – Yes
F_ExciseNumber1	Indication if the facility has an excise number issued by the competent authority for the purpose of identification of persons/premises	Boolean	S	M	0 – No SEED number 1 – SEED number exists
F_ExciseNumber2	Facility's excise number issued by the competent authority for the purpose of identification of persons/premises	SEED	S	M, if F_Excise Number1 = 1	
OtherFID_R	Indication if the facility has been allocated an identifier by another ID Issuer	Boolean	S	M	0 – No 1 – Yes (possible only for non-EU facilities)
OtherFID_N	Facility identifier codes allocated by other ID Issuers	FID	M	M, if OtherFID _R = 1	

Reg_3RD	Indication if the registration is made on behalf of a retail outlet operator not otherwise involved in the tobacco trade	Boolean	S	M	0 – No 1 – Yes (possible only if F_Type = 3)
Reg_EOID	Identifier of the economic operator that acts on behalf of a retail outlet operator not otherwise involved in the tobacco trade	EOID	S	M, if Reg_3RD = 1	
Extensibility	Optional extensibility field	Text	S	O	

3.3.5.3 Response

registration of facility – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = RFA
F_ID	Facility's identifier registered	FID	S	O	Present if synchronous implementation
Extensibility	Optional extensibility field	Text	S	O	

3.3.5.4 Request sample

```
{
"EO_ID":"QCUKR+1AB020054",
"EO_CODE":"873345b2-882f-4064-91f0-90669b46c30a",
"F_ID":"QCUKR<1AB020054000048",
"F_Address":"Machine Id A",
"F_Country":2,
"F_Type":"RFA2",
"F_Type_Other":null,
"F_Status": false,
"F_ExciseNumber1": false,
"F_ExciseNumber2": null,
"OtherFID_R": false,
"OtherFID_N": [],
"Reg_3RD": false,
"Reg_EOID": null,
"Code": "873345b2-882f-4064-91f0-90669b46c30a",
"Message_Type":"RFA"
}
```

3.3.5.5 Successful response sample

HTTP Status 202

```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "RFA",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.3.5.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.3.6 RFAD – Data Registration for a facility identifier code

3.3.6.1 Description

The RFAD message is the response to the RFA message. This message can be issued in an asynchronous manner and transmit the F_ID.

3.3.6.2 Description of the fields

Request:

Registration of facility – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = RFAD
EO_ID	Economic operator identifier code	EOID	S	M	
F_ID	Facility code from the RFA code issuer call	FID	S	M	
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	Text	S	M	
F_Address	Facility's address – street name, house number, postal code and city	Text	S	M	
F_Country	Facility's country	Country	S	M	See Country
F_Type	Type of facility	Integer	S	M	See FacilityType
F_Type_Other	Description of other facility type	Text	S	M, if F_Type = 4	

F_Status	Indication if a part of the facility has a bonded warehouse status	Boolean	S	M	2 – No 3 – Yes
F_ExciseNumber1	Indication if the facility has an excise number issued by the competent authority for the purpose of identification of persons/premises	Boolean	S	M	2 – No SEED number 3 – SEED number exists
F_ExciseNumber2	Facility's excise number issued by the competent authority for the purpose of identification of persons/premises	SEED	S	M, if F_Excise Number1 = 1	
OtherFID_R	Indication if the facility has been allocated an identifier by another ID Issuer	Boolean	S	M	2 – No 3 – Yes (possible only for non-EU facilities)
OtherFID_N	Facility identifier codes allocated by other ID Issuers	FID	M	M, if OtherFID _R = 1	
Reg_3RD	Indication if the registration is made on behalf of a retail outlet operator not otherwise involved in the tobacco trade	Boolean	S	M	0 – No 1 – Yes (possible only if F_Type = 3)
Reg_EOID	Identifier of the economic operator that acts on behalf of a retail outlet operator not otherwise involved in the tobacco trade	EOID	S	M, if Reg_3RD = 1	
Extensibility	Optional extensibility field	Text	S	O	

3.3.6.3 Response

registration of facility – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = RFAD
Extensibility	Optional extensibility field	Text	S	O	

3.3.6.4 Request sample

```
{
"EO_ID":"QCUKR+1AB020054",
"EO_CODE":"873345b2-882f-4064-91f0-90669b46c30a",
"F_ID":"QCUKR<1AB020054000048",
"F_Address":"Machine Id A",
"F_Country":2,
"F_Type":”RFA2”,
"F_Type_Other":null,
```

```
"F_Status": false,
"F_ExciseNumber1": false,
"F_ExciseNumber2": null,
"OtherFID_R": false,
"OtherFID_N": [],
"Reg_3RD": false,
"Reg_EOID": null,
"Code": "873345b2-882f-4064-91f0-90669b46c30a",
"Message_Type":"RFAD"
}
```


3.3.6.5 Successful response sample

HTTP Status 202


```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "RFAD",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```


3.3.6.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.3.7 CFA – (1.5) Correction of information concerning the facility identifier code

3.3.7.1 Description

Submit the information of a facility known to the repository in order to update one or more properties. This information in entirety will over write the previous data held regarding the master data of this facility. Links (for example dispatches) to / from this F_ID will be maintained.

3.3.7.2 Description of the fields

correction of information concerning the facility – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = CFA
EO_ID	Economic operator identifier code	EOID	S	M	
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	Text	S	M	
F_ID	Facility identifier code	FID	S	M	

F_Address	Facility's address – street name, postal code and city	Text	S	M	
F_Country	Facility's country	Country	S	M	See Country
F_Type	Type of facility	Integer	S	M	See FacilityType
F_Type_Other	Description of other facility type	Text	S	M, if F_Type = 4	
F_Status	Indication if a part of the facility has a bonded warehouse status	Boolean	S	M	0 – No 1 – Yes
F_ExciseNumber1	Indication if the facility has an excise number issued by the competent authority for the purpose of identification of persons/premises	Boolean	S	M	0 – No SEED number 1 – SEED number exists
F_ExciseNumber2	Facility's excise number issued by the competent authority for the purpose of identification of persons/premises	SEED	S	M, if F_Excise Number1 = 1	
OtherFID_R	Indication if the facility has been allocated an identifier by another ID Issuer	Boolean	S	M	0 – No 1 – Yes (possible only for non-EU facilities)
OtherFID_N	Facility identifier codes allocated by other ID Issuers	FID	M	M, if OtherFID _R = 1	
Reg_3RD	Indication if the registration is made on behalf of a retail outlet operator not otherwise involved in the tobacco trade	Boolean	S	M	0 – No 1 – Yes (possible only if F_Type = 3)
Reg_EOID	Identifier of the economic operator that acts on behalf of a retail outlet operator not otherwise involved in the tobacco trade	EOID	S	M, if Reg_3RD = 1	
Extensibility	Optional extensibility field	Text	S	O	

3.3.7.3 Response

correction of information concerning the facility – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = CFA
Extensibility	Optional extensibility field	Text	S	O	

3.3.7.4 Request sample

```
{
"EO_ID":"QCUKR+1AB020054",
"EO_CODE":"873345b2-882f-4064-91f0-90669b46c30a ",
"F_ID":"QCUKR<1AB020054000048",
"F_Address":"Address A",
"F_Country":2,
"F_Type":"CFA",
"F_Type_Other":null,
"F_Status": false,
"F_ExciseNumber1": false,
"F_ExciseNumber2": null,
"OtherFID_R": false,
"OtherFID_N": [],
"Reg_3RD": false,
"Reg_EOID": null,
"Code": "873345b2-882f-4064-91f0-90669b46c30a",
"Message_Type":"CFA"
}
```

3.3.7.5 Successful response sample

HTTP Status 202

```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "CFA",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.3.7.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.3.8 DFA – (1.6) De-registration of facility identifier code

3.3.8.1 Description

De-registers a previously known facility for a given F_ID

3.3.8.2 Description of the fields

de-registration of facility – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = DFA
EO_ID	Economic operator identifier code	EOID	S	M	
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	Text	S	M	
F_ID	Facility identifier code	FID	S	M	
Reg_3RD	Indication if the deregistration is made on behalf of a retail outlet operator not otherwise involved in the tobacco trade	Boolean	S	M	0 – No 1 – Yes
Reg_EOID	Identifier of the economic operator that acts on behalf of a retail outlet operator not otherwise involved in the tobacco trade	EOID	S	M, if Reg_3RD = 1	
Extensibility	Optional extensibility field	Text	S	O	

3.3.8.3 Response:

de-registration of facility – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = DFA
Extensibility	Optional extensibility field	Text	S	O	

3.3.8.4 Request sample

```
{
"EO_ID":"QCUKR+1AB020054",
"EO_CODE": "873345b2-882f-4064-91f0-90669b46c30a",
"F_ID":"QCUKR<1AB020054000048",
"Reg_3RD": false,
```

```
"Reg_EOID": null,
"Code": "873345b2-882f-4064-91f0-90669b46c30a",
"Message_Type": "DFA"
}
```


3.3.8.5 Successful response sample

HTTP Status 202


```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "DFA",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```


3.3.8.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.4 Unique identifiers Messages

3.4.1 ISU – (2.1) Request for unit level UIs

3.4.1.1 Description

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

3.4.1.2 Description of the fields

Request for unit level UIs – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = ISU
EO_ID	Economic operator identifier code of the submitting entity (either EU manufacturer or EU importer)	EOID	S	M	
F_ID	Facility identifier code	FID	S	M	
Process_Type	Indication if the production process involves machinery	Boolean	S	M	0 – No (only for fully hand made products) 1 – Yes
M_ID	Machine identifier code	MID	S	M	
P_Type	Type of tobacco product	Integer	S	M	See TobaccoProductType
P_OtherType	Description of other type of tobacco product	Text	S	M, if P_Type = 12 (other	

Request for unit level UIs – request					
Field	Description	Data Type	Cardinality	Priority	Values
				tobacco product)	
P_CN	Combined Nomenclature (CN) code	Text	S	M, if Intended_Market is an EU country	
P_weight	Average gross weight of unit packet, including packaging, in grams with 0,1 gram accuracy	Decimal	S	M	
P_Brand	Brand of tobacco product	Text	S	M	
TP_ID	The identification number of the product used in the EU-CEG system.	TPID	S	M, if Intended_ Market is an EU country	
TP_PN	Tobacco product number used in the EU-CEG system	PN	S	M, if Intended_ Market is an EU country	
Intended_Market	Intended country of retail sale.	Country	S	M	
Intended_Route1	Indication if the product is intended to be moved across country boarders with terrestrial transport.	Boolean	S	M	0 – No 1 – 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	M, if Intended_ Route1 = 1	
Import	Indication if the product is imported into the EU	Boolean	S	M	0 – No 1 – Yes
Req_Quantity	Requested quantity of unit packet level UIs	Integer	S	M	
P_OtherID	Optional Product ID	Text(20)	S	O	

3.4.1.3 Response:

Request for unit level UIs – response					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = ISU

3.4.1.4 Request sample

```
{
"EO_ID":"QCUKR+1AB020054",
"F_ID": "QCUKR<1AB020054000049"
"Process_Type":false,
"M_ID":"Machine Id A",
"P_Type":2,
"P_OtherType":null,
"P_CN": "FG7H68FHF"
"P_Brand":"Product brand A",
"P_Weight":10.0,
```

```
"TP_ID":"1234",
"TP_PN":"1234",
"Intended_Market":"BG",
"Intended_Route1":true,
"Intended_Route2":"BG",
"Import":false,
"Req_Quantity":2,
"P_OtherID":"GTINSAMPLE",
"Code":null,
"Message_Type":"ISU"
}
```


3.4.1.5 Successful response sample

HTTP Status 202


```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "ISU",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```


3.4.1.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

Error body sample


```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": null,
    "Error": true,
    "Errors": [
        {
            "Error_InternalID": "yndkFz7TBEO706frD38hzA",
            "Error_Code": "INVALID_REQUEST_FORMAT",
            "Error_Descr": "The EconomicOperatorIdentifier field is required."
        }
    ]
}
```


3.4.2 IRU – Message to report the issuance of serial numbers at unit packet level

3.4.2.1 Description

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

3.4.2.2 Description of the fields

request for reporting the issuance of serial numbers at unit packet level – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = IRU
Event_Time	Intended time of event occurrence	Time(s)	S	M	
EO_ID	Economic operator identifier code of the submitting entity (either EU manufacturer or EU importer)	EOID	S	M	
F_ID	Facility identifier code	FID	S	M	
Process_Type	Indication if the production process involves machinery	Boolean	S	M	0 – No (only for fully hand made products) 1 – Yes
M_ID	Machine identifier code	MID	S	M	
P_Type	Type of tobacco product	Integer	S	M	See TobaccoProductType
P_OtherType	Description of other type of tobacco product	Text	S	M, if P_Type = 12 (other tobacco product)	
P_CN	Combined Nomenclature (CN) code	Text	S	O	
P_Brand	Brand of tobacco product	Text	S	M	
TP_ID	The identification number of the product used in the EU-CEG system.	TPID	S	M, if Intended_ Market is an EU country	
TP_PN	Tobacco product number used in the EU-CEG system	PN	S	M, if Intended_ Market is an EU country	
Intended_Market	Intended country of retail sale.	Country	S	M	
Intended_Route1	Indication if the product is intended to be moved across country boarders with terrestrial transport.	Boolean	S	M	0 – No 1 – 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	M, if Intended_ Route1 = 1	
Import	Indication if the product is imported into the EU	Boolean	S	M	0 – No 1 – Yes
Req_Quantity	Requested quantity of unit packet level UIs	Integer	S	M	
P_OtherID	Optional Product ID	Text(20)	S	O	
upUI	List of unit packet level UIs issued	upUI(s)	M	M	

3.4.2.3 Response:

request for reporting the issuance of serial numbers at unit packet level – response					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = IRU

3.4.2.4 Request sample

```
{
"EO_ID":"QCUKR+1AB020054",
"F_ID": "QCUKR<1AB020054000049",
"Event_Time" : "2018-08-23T07:32:20.7878086+00:00",
"Process_Type":false,
"M_ID":"Machine Id A",
"P_Type":2,
"P_OtherType":null,
"P_CN": "FG7H68FHF"
"P_Brand":"Product brand A",
"P_Weight":10.0,
"TP_ID":"1234",
"TP_PN":"1234",
"Intended_Market":"BG",
"Intended_Route1":true,
"Intended_Route2":"BG",
"Import":false,
"Req_Quantity":2,
"upUI":["DANXXXXXXXXXXX1PR0123456789","DANXXXXXXXXXXX2PR0123456789"],
"Code": "873345b2-882f-4064-91f0-90669b46c30a",
"Message_Type":"IRU"
}
```

3.4.2.5 Successful response sample

HTTP Status 202

```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "IRU",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.4.2.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

Error body sample

```
{
```

```
    "Code": null,
    "Message_Type": null,
    "Error": true,
    "Errors": [
        {
            "Error_InternalID": "yndkFz7TBEO706frD38hzA",
            "Error_Code": "INVALID_REQUEST_FORMAT",
            "Error_Descr": "The EconomicOperatorIdentifier field is required."
        }
    ]
}
```


3.4.3 ISA – (2.2) Request for aggregated level UIs

3.4.3.1 Description

Request for reporting the issuance of serial numbers at aggregated level

3.4.3.2 Description of the fields

request for reporting the issuance of serial numbers at aggregated level – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = ISA
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
F_ID	Facility identifier code	FID	S	M	
Req_Quantity	Requested quantity of aggregated level UIs	Integer	S	M	

3.4.3.3 Response:

request for reporting the issuance of serial numbers at aggregated level – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = ISA

3.4.3.4 Request sample


```
{
  "EO_ID": "QCUKR+1AB020054",
  "F_ID": "QCUKR<1AB020054000049",
  "Req_Quantity": 2,
  "Message_Type": "ISA",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a",
}
```


3.4.3.5 Successful response sample

HTTP Status 202


```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "IsA",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```


3.4.3.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.4.4 IRA – Request for reporting the issuance of serial numbers at aggregated level

3.4.4.1 Description

Request for reporting the issuance of serial numbers at aggregated level

3.4.4.2 Description of the fields

request for reporting the issuance of serial numbers at aggregated level – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = IRA
Event_Time	Intended time of event occurrence	Time(s)	S	M	
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
F_ID	Facility identifier code	FID	S	M	
Req_Quantity	Requested quantity of aggregated level UIs	Integer	S	M	
aUI	List of aggregated level UIs	aUI	M	M	

3.4.4.3 Response:

request for reporting the issuance of serial numbers at aggregated level – response					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = IRA

3.4.4.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "F_ID": "QCUKR<1AB020054000049",
  "Event_Time" : "2018-08-23T07:32:20.7878086+00:00",
  "Req_Quantity": 2,
  "aUI": ["DANXXXXXXXXXXXX1FA000001", " DANXXXXXXXXXXX2FA000001" ],
  "Message_Type": "IRA",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a",
}
```

3.4.4.5 Successful response sample

HTTP Status 202

```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "IRA",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.4.4.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.4.5 IDA – (2.3) Request for deactivation of UIs

3.4.5.1 Description

Changes the status of the UIs list in the request to “deactivated”

3.4.5.2 Description of the fields

request for the deactivation of UIs – request					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = IDA
Event_Time	Intended time of event occurrence	Time(s)	S	M	
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
Deact_Type	Deactivation of unit packet or aggregated level UIs	Integer	S	M	1 – Unit pack level UIs 2 – Aggregated level UIs
Deact_Reason1	Identification of the reason for deactivation	Integer	S	M	See DeactivationReason Type
Deact_Reason2	Description of other reason	Text	S	M, if Deact_Reason1 = 6 (other reason)	
Deact_Reason3	Additional description of the reason	Text	S	O	
Deact_upUI	List of unit packet level UIs to be deactivated	upUI(s)	M	M, if Deact_Type = 1	
Deact_aUI	List of aggregated level UIs to be deactivated	aUI	M	M, if Deact_Type = 2	

3.4.5.3 Response:

request for the deactivation of UIs – response					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = IDA

3.4.5.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "Event_Time" : "2018-08-23T07:32:20.7878086+00:00",
  "Deact_Type": 1,
  "Deact_Reason1": 1,
  "Deact_Reason2": "reason one",
  "Deact_Reason3": "reason two",
  "Deact_upUI": [ "DANXXXXXXXXXXXX1PR0123456789" ],
  "Deact_apUI": [ "DANXXXXXXXXXXXX1FA000001" ],
  "Message_Type": "IDA",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a",
}
```

3.4.5.5 Successful response sample

HTTP Status 202

```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "IDA",
```

```
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.4.5.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.5 Reporting operational events (product movement information)

3.5.1 EUA – (3.1) Application of unit level UIs on unit packets

3.5.1.1 Description

Event notification when the code is applied / printed on unit packets.

3.5.1.2 Description of the fields

upUI application event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = EUA
Event_Time	Intended time of event occurrence	Time(s)	S	M	
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
F_ID	Facility identifier code	FID	S	M	
upUI_1	List of unit packet level UIs to be recorded (full length)	upUI(L)	M	M	
upUI_2	List of corresponding unit packet level UIs to be recorded (as visible in human readable format) indicated in the same order as upUI_1	upUI(s)	M	M	
upUI_comment	Comments by the reporting entity	Text	S	O	

3.5.1.3 Response:

upUI application event – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = EUA

3.5.1.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "F_ID": "QCUKR<1AB020054000049",
  "Event_Time": "2018-08-23T07:32:20.7878086+00:00",
  "upUI_1": [
    "DANXXXXXXXXXXX1PR012345678919030110",
    "DANXXXXXXXXXXX2PR012345678919030110"
  ],
  "upUI_2": [
    "DANXXXXXXXXXXX1PR012345678919030110",
    "DANXXXXXXXXXXX2PR012345678919030110"
  ],
  "upUI_comment": "Comments",
  "Message_Type": "EUA",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a",
}
```

3.5.1.5 Successful response sample

HTTP Status 202


```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "EUA",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```


3.5.1.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.5.2 EPA – (3.2) Application of aggregated level UIs on aggregated packaging

3.5.2.1 Description

Event notification when the code is applied / printed on an aggregation container. This also records the items that are aggregated into this container.

3.5.2.2 Description of the fields

Application of aggregated level UIs on aggregated packaging - request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = EPA
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
F_ID	Facility identifier code	FID	S	M	
Event_Time	Time of event occurrence	Time(s)	S	M	
aUI	Aggregated level UI	aUI	S	M	
Aggregation_Type	Identification of aggregation type	Integer	S	M	1 – aggregation of only unit packet level UIs 2 – aggregation of only aggregated level UIs 3 – aggregation of both unit packet and aggregated level UIs
Aggregated_UIs 1	List of unit packet level UIs subject to aggregation	upUI(L)	M	M, if Aggregation_Type = 1 or 3	
Aggregated_UIs 2	List of aggregated level UIs subject to further aggregation	aUI	M	M, if Aggregation_Type = 2 or 3	
aUI_comment	Comments by the reporting entity	Text	S	O	

3.5.2.3 Response:

Application of aggregated level UIs on aggregated packaging – response					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = EPA

3.5.2.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "F_ID": "QCUKR<1AB020054000049",
  "Event_Time": "2018-08-23T07:32:20.7878086+00:00",
  "Aggregation_Type": "1",
  "aUI" : "DANXXXXXXXXXXXX1FA00000119030110",
  "Aggregated_UIs1": ["DANXXXXXXXXXXXX1PR012345678919030110",
"DANXXXXXXXXXXXX2PR012345678919030110",
"DANXXXXXXXXXXXX3PR012345678919030110",
"DANXXXXXXXXXXX10FA00000119030110"],
  "Aggregated_UIs2": ["DANXXXXXXXXXXX10FA00000119030110"],
  "aUI_comment": "Comments",
  "Message_Type": "EPA",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.5.2.5 Successful response sample

HTTP Status 202

```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "EPA",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.5.2.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.5.3 EDP – (3.3) Dispatch of tobacco products from a facility

3.5.3.1 Description

Record that the UIs listed in the call have been dispatched from the economic identifier.

3.5.3.2 Description of the fields

Dispatch of tobacco products from a facility event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = EDP
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
Event_Time	Time of event occurrence	Time (s)	S	M	
F_ID	Dispatch facility identifier code	FID	S	M	
Destination_ID1	Indication if the destination facility is located on the EU territory and if it is a vending machine (VM)	Integer	S	M	1 – Non EU dest. 2 – EU destination other than VM – fixed quantity delivery 3 – EU VM(s) 4 – EU destination other than VM – delivery with VV
Destination_ID2	Destination facility identifier code	FID	S	M, if Destination_ID1 = 2	
Destination_ID3	Destination facility identifier code(s) – possible multiple vending machines	FID	M	M, if Destination_ID1 = 3	
Destination_ID4	Destination id facility codes	FID	M	M, if Destination_ID1 = 4	
Destination_ID5	Destination facility's full address: street, house number, postal code, city	Text	S	M, if Destination_ID1 = 1	
Transport_mode	Mode of transport by which the product leaves the facility, see: Commission Regulation (EC) No 684/2009, Annex II, Code List 7	Integer	S	M	See TransportMode in section **Error! Reference source not found.**
Transport_vehicle	Identification of the mode of transport (i.e. number plates, train number, plane/flight number, ship name or other identification)	Text	S	M	'n/a' is permitted value if Transport_mode = 0 and product movement takes place between adjacent facilities and is delivered manually
Transport_cont1	Indication if the transport is containerised and uses an individual transport unit code (e.g. SSCC)	Boolean	S	M	0 – No 1 – Yes
Transport_cont2	Individual transport unit code of the container	ITU	S	M, if Transport_cont1 = 1	
Transport_s1	Indication if the dispatch takes place with the logistic/postal operator who operates its own track and trace system accepted by the Member State of the dispatch facility. Only for small quantities of tobacco products (net weight of the products dispatched below 10 kg)	Boolean	S	M	0 – No 1 – Yes

Dispatch of tobacco products from a facility event					
Field	Description	Data Type	Cardinality	Priority	Values
	destined for exports to third countries				
Transport_s2	The logistic operator's tracking number	Text	S	M, if Transport_ s1 = 1	
EMCS	Dispatch under the Excise Movement and Control System (EMCS)	Boolean	S	M	0 – No 1 – Yes
EMCS_ARC	Administrative Reference Code (ARC)	ARC	S	M, if EMCS = 1	
SAAD	Dispatch with a simplified accompanying document, see: Commission Regulation (EEC) No 3649/92	Boolean	S	M	0 – No 1 – Yes
SAAD_number	Reference number of the declaration and/or authorization which has to be given by the competent authority in the Member State of destination before the movement starts	Text	S	M, if SAAD = 1	
Exp_Declaration	Indication if the Movement Reference Number (MRN) has been issued by the customs office	Boolean	S	M	0 – No 1 – Yes
Exp_ DeclarationNumber	Movement Reference Number (MRN)	MRN	S	M, if Exp_Decla ration = 1	
UI_Type	Identification of UI types in the dispatch (recorded at the highest level of available aggregation)	Integer	S	M	1 – only unit packet level UIs 2 – only aggregated level UIs 3 – both unit packet and aggregated level UIs
upUIs	List of unit packet level UIs subject to the dispatch	upUI(L)	M	M, if UI_Type = 1 or 3	
aUIs	List of aggregated level UIs subject to the dispatch	aUI	M	M, if UI_Type = 2 or 3	
Dispatch_comment	Comments by the reporting entity	Text	S	O	

3.5.3.3 Response:

Response:

Dispatch event – response					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = EDP

3.5.3.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "F_ID": "QCUKR<1AB020054000049",
  "Event_Time": "2018-08-23T07:32:20.7878086+00:00",
  "Destination_ID1": "1",
  "Destination_ID2": "FacilityIdB",
  "Destination_ID3": [ " FacilityIdB ", " FacilityIdB " ],
  "Destination_ID4": [ " FacilityIdB" ],
  "Destination_ID5": "FacilityIdA",
  "Transport_vehicle": "1",
  "Transport_cont1": true,
  "Transport_cont2": "1",
  "Transport_s1": true,
  "Transport_s2": "1",
  "EMCS": false,
  "EMCS_ARC": null,
  "SAAD": true,
  "SAAD_number": 1,
  "Exp_Declaration": true,
  "Exp_DeclarationNumber": true,
  "UI_Type": 3,
  "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110",
"DANXXXXXXXXXXX2PR012345678919030110" ],
  "aUIs": [ "DANXXXXXXXXXXXX1FA00000119030110" ],
  "Dispatch_comment": "Comments",
  "Message_Type": "EDP",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.5.3.5 Successful response sample

HTTP Status 202

```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "EDP",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.5.3.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.5.4 ERP – (3.4) Arrival of tobacco products at a facility

3.5.4.1 Description

Record that the UIs listed in the call have been received to an economic identifier.

3.5.4.2 Description of the fields

Arrival of tobacco products at a facility					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = ERP
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
F_ID	Arrival facility identifier code	FID	S	M	
Event_Time	Time of event occurrence	Times(s)	S	M	
Product_Return	Indication if the arriving products are a return following complete or partial non-delivery	Boolean	S	M	0 – No 1 – Yes
UI_Type	Identification of UI types received (recorded at the highest level of available aggregation)	Integer	S	M	1 – only unit packet level UIs 2 – only aggregated level UIs 3 – both unit packet and aggregated level UIs
upUIs	List of unit packet level UIs received	upUI(L)	M	M, if UI_Type = 1 or 3	
aUIs	List of aggregated level UIs received	aUI	M	M, if UI_Type = 2 or 3	
Arrival_comment	Comments by the reporting entity	Text	S	O	

3.5.4.3 Response:

Arrival of tobacco products at a facility– response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = ERP

3.5.4.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "F_ID": "QCUKR<1AB020054000049",
  "Event_Time": "2018-08-23T07:32:20.7878086+00:00",
  "Product_Return": "true",
  "UI_Type": "1",
  "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110", "
DANXXXXXXXXXXX2PR012345678919030110" ],
  "aUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110" ],
  "Arrival_comment": "Comments",
  "Message_Type": "ERP",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.5.4.5 Successful response sample

HTTP Status 202

```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "ERP",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.5.4.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.5.5 ETL – (3.5) Trans-loading

3.5.5.1 Description

Event to show that UIs have been moved from one transport mechanism to another.

3.5.5.2 Description of the fields

Trans-loading event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = ETL
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
Event_Time	Intended time of event occurrence	Time(s)	S	M	
Destination_ID1	Indication if the destination facility is located on the EU territory	Integer	S	M	0 – No 1 – Yes
Destination_ID2	Destination facility identifier code	FID	S	M, if Destination_ID 1 = 1	
Destination_ID3	Destination facility's full address	Text	S	M, if Destination_ID 1 = 0	
Transport_mode	Mode of transport to which the product is trans-loaded, see: Commission Regulation (EC) No 684/2009, Annex II, Code List 7	Integer	S	M	See TransportMode
Transport_vehicle	Identification of the vehicle (i.e. number plates, train number, plane/flight number, ship name or other identification)	Text	S	M	
Transport_cont 1	Indication if the transport is containerised and uses an individual transport unit code (e.g. SSCC)	Boolean	S	M	0 – No 1 – Yes

Trans-loading event					
Field	Description	Data Type	Cardinality	Priority	Values
Transport_cont 2	Individual transport unit code of the container	ITU	S	M, if Transport_ cont1 = 1	
EMCS	Dispatch under the Excise Movement and Control System (EMCS)	Boolean	S	M	0 – No 1 – Yes
EMCS_ARC	Administrative Reference Code (ARC)	ARC	S	M, if EMCS = 1	
UI_Type	Identification of UI types subject to the trans-loading (recorded at the highest level of available aggregation)	Integer	S	M	1 – only unit packet level UIs 2 – only aggregated level UIs 3 – both unit packet and aggregated level UIs
upUIs	List of unit packet level UIs subject to the trans-loading	upUI(L)	M	M, if UI_Type = 1 or 3	
aUIs	List of aggregated level UIs subject to the trans-loading	aUI	M	M, if UI_Type = 2 or 3	
Transloading_c omment	Comments by the reporting entity	Text	S	O	

3.5.5.3 Response:

Trans-loading event – response					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = ETL

3.5.5.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "Event_Time": "2018-08-23T07:32:20.7878086+00:00",
  "Destination_ID1": 1,
  "Destination_ID2": "FGHZ7G",
  "Destination_ID3": "",
  "Transport_mode": 1,
  "Transport_vehicle": 1,
  "Transport_cont1": 1,
  "Transport_cont2": "code",
  "EMCS": 1,
  "EMCS_ARC": "ref",
  "UI_Type": 1,
  "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110", "
DANXXXXXXXXXXX2PR012345678919030110" ],
  "aUIs": [ "DANXXXXXXXXXXX10FA00000119030110" ],
  "Transloading_comment": "Comments",
  "Message_Type": "ETL",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.5.5.5 Successful response sample

HTTP Status 202


```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "ETL",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```


3.5.5.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.5.6 EUD – (3.6) Disaggregation of aggregated level UIs

3.5.6.1 Description

Event showing that an aggregation no longer exists.

3.5.6.2 Description of the fields

aUI disaggregation event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = EUD
EO_ID	Economic operator's identifier	EOID	S	M	
F_ID	Facility's identifier	FID	S	M	
Event_Time	Time of event occurrence	Time(s)	S	M	
aUI	Aggregated level UI subject to disaggregation	aUI	S	M	
disaUI_comment	Comments by the reporting entity	Text	S	O	

3.5.6.3 Response:

aUI disaggregation event– response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**

BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = EUD

3.5.6.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "F_ID": "QCUKR<1AB020054000049",
  "Event_Time": "2018-08-23T07:32:20.7878086+00:00",
  "aUI": "DANXXXXXXXXXX10FA00000119030110",
  "disaUI_comment": "Comments",
  "Message_Type": "EUD",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.5.6.5 Successful response sample

HTTP Status 202

```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "EUD",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.5.6.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.5.7 EVR – (3.7) Report the delivery carried out with a vending van to retail outlet

3.5.7.1 Description

Event sent when UIs have been distributed via a van delivery.

3.5.7.2 Description of the fields

Vending Van event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = EVR
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
F_ID	Facility identifier code of retail outlet	FID	S	M	
Event_Time	Time of event occurrence	Time(s)	S	M	
UI_Type	Identification of UI types delivered (recorded at the highest level of available aggregation)	Integer	S	M	1 – only unit packet level UIs 2 – only aggregated level UIs 3 – both unit packet and aggregated level UIs
upUIs	List of unit packet level UIs delivered	upUI(L)	M	M, if UI_Type = 1 or 3	
aUIs	List of aggregated level UIs delivered	aUI	M	M, if UI_Type = 2 or 3	
Delivery_comment	Comments by the reporting entity	Text	S	O	

3.5.7.3 Response:

Vending Van event – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = EVR

3.5.7.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "F_ID": "QCUKR<1AB020054000049",
  "Event_Time": "2018-08-23T07:32:20.7878086+00:00",
  "UI_Type": 1,
  "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110", "
DANXXXXXXXXXXX2PR012345678919030110" ],
  "aUIs": [ "DANXXXXXXXXXX10FA00000119030110" ],
  "Delivery_comment": "Comments",
  "Message_Type": "EVR",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.5.7.5 Successful response sample

HTTP Status 202

```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "EVR",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.5.7.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.6 Reporting transactional events (trade information)

3.6.1 EIV – (4.1) Issuing of the invoice

3.6.1.1 Description.

Added invoice details to a UI.

3.6.1.2 Description of the fields

Invoice reporting					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = EIV
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
Event_Time	Time of event occurrence	Time(s)	S	M	
Invoice_Type1	Type of the invoice	Integer	S	M	See InvoiceType
Invoice_Type2	Description of the other type of the invoice	Text	S	M, if Invoice_Type1 = 3	
Invoice_Number	Number of the invoice	Text	S	M	
Invoice_Date	Date of the invoice	Date	S	M	
Invoice_Seller	Identity of the seller	EOID	S	M	
Invoice_Buyer1	Identification if the buyer is located in the EU	Boolean	S	M	0 – No 1 – Yes
Invoice_Buyer2	Identity of the buyer	EOID	S	M, if Invoice_Buyer1 = 1	
Buyer_Name	Buyer's registered legal name	Text	S	M, if Invoice_Buyer1 = 0	
Buyer_Address	Buyer's address – street name, house number, postal code, city	Text	S	M, if Invoice_Buyer1 = 0	
Buyer_CountryReg	Buyer's country of registration	Country	S	M, if Invoice_Buyer1 = 0	
Buyer_TAX_N	Buyer's tax registration number	Text	S	M, if Invoice_Buyer1 = 0	
First_Seller_EU	Identification if the invoice is issued by the first seller in the EU, i.e. the EU manufacturer or the importer, and the product is destined for the EU market	Boolean	S	M	0 – No 1 – Yes
Product_Items_1	List of TPIDs corresponding to the product items listed on the invoice	TPID	M	M, if First_Seller_EU = 1	
Product_Items_2	List of product numbers corresponding to the product items listed on the invoice (in the same order as product_Items_1)	PN	M	M, if First_Seller_EU = 1	
Product_Price	Net unit packet price per each pair of TPID and product number (in the same order as product_Items_1)	Decimal	M	M, if First_Seller_EU = 1	
Invoice_Net	Total net amount of the invoice	Decimal	S	M	

Invoice reporting					
Field	Description	Data Type	Cardinality	Priority	Values
Invoice_Currency	Currency of the invoice	Currency	S	M	
UI_Type	Identification of UI types covered by the invoice (recorded at the highest level of available aggregation)	Integer	S	M	1 – only unit packet level UIs 2 – only aggregated level UIs 3 – both unit packet and aggregated level UIs
upUIs	List of unit packet level UIs covered by the invoice	upUI(L)	M	M, if UI_Type = 1 or 3	
aUIs	List of aggregated level UIs covered by the invoice	aUI	M	M, if UI_Type = 2 or 3	
Invoice_comment	Comments by the reporting entity	Text	S	O	

3.6.1.3 Response:

Invoice reporting– response					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = EIV

3.6.1.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "Event_Time": "2018-08-23T07:32:20.7878086+00:00",
  "Invoice_Type1": 1,
  "Invoice_Type2": "other type",
  "Invoice_Number": "INV000001",
  "Invoice_Date": "2018-08-23T07:32:20.7878086+00:00",
  "Invoice_Seller": "SellerId",
  "Invoice_Buyer1": false,
  "Invoice_Buyer2": null,
  "Buyer_Name": "Buyer1",
  "Buyer_Address": "BuyerAddress",
  "Buyer_CountryReg": "LU",
  "Buyer_TAX_N": "TAX0001",
  "First_Seller_EU": 1,
  "Product_Items_1": [ "11111-1111111","11111-1111112" ],
  "Product_Items_2": [ "01234567891234","01234567891235"  ],
  "Product_Price": [ "16.99", "19.99" ],
  "Invoice_Net": 10099.99,
  "Invoice_Currency": "EUR",
  "UI_Type": 1,
  "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110",
"DANXXXXXXXXXXXX1PR012345678919030110" ],
  "aUIs": [ "DANXXXXXXXXXXX10FA00000119030110" ],
  "Invoice_comment": "Comments",
  "Message_Type": "EIV",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.6.1.5 Successful response sample

HTTP Status 202

```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "EIV",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```


3.6.1.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.6.2 EPO – (4.2) Issuing of the order number

3.6.2.1 Description

Adds a purchase order event to a UI.

3.6.2.2 Description of the fields

Purchase order event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = EPO
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
Event_Time	Time of event occurrence	Time(s)	S	M	
Order_Number	Number of the purchase order	Text	S	M	
Order_Date	Date of the purchase order	Date	S	M	
UI_Type	Identification of UI types covered by the purchase order (recorded at the highest level of available aggregation)	Integer	S	M	1 – only unit packet level UIs 2 – only aggregated level UIs 3 – both unit packet and aggregated level UIs
upUIs	List of unit packet level UIs covered by the purchase order	upUI(L)	M	M, if UI_Type = 1 or 3	
aUIs	List of aggregated level UIs covered by the purchase order	aUI	M	M, if UI_Type = 2 or 3	
Order_comment	Description of the reason for delayed recording of the purchase order	Text	S	O	

3.6.2.3 Response:

Purchase order – response					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = EPO

3.6.2.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "Event_Time": "2018-08-23T07:32:20.7878086+00:00",
  "Order_Number": "1234",
  "Order_Date": "2018-08-23T07:32:20.7878086+00:00",
  "UI_Type": 1,
  "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110",
"DANXXXXXXXXXXX1PR012345678919030110" ],
  "aUIs": [ "DANXXXXXXXXXX10FA00000119030110" ],
  "Order_comment": "Comments",
  "Message_Type": "EPO",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.6.2.5 Successful response sample

HTTP Status 202

```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "EPO",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.6.2.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.6.3 EPR – (4.3) Receipt of the payment

3.6.3.1 Description

Adds a payment record event to a UI.

3.6.3.2 Description of the fields

Payment record event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = EPR
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
Event_Time	Time of event occurrence	Time(s)	S	M	
Payment_Date	Date of the payment receipt	Date	S	M	
Payment_Type	Type of payment	Integer	S	M	See PaymentType
Payment_Amount	Amount of the payment	Decimal	S	M	
Payment_Currency	Currency of the payment	Currency	S	M	
Payment_Payer1	Identification if the payer is located in the EU	Boolean	S	M	0 – No 1 – Yes
Payment_Payer2	Identity of the payer	EOID	S	M, if Payment_ Payer1 = 1	
Payer_Name	Payer's registered legal name	Text	S	M, if Payment_ Payer1= 0	
Payer_Address	Payer's address – street name, house number, postal code and city	Text	S	M, if Payment_ Payer1= 0	
Payer_CountryReg	Payer's country of registration	Country	S	M, if Payment_ Payer1 = 0	
Payer_TAX_N	Payer's tax registration number	Text	S	M, if Payment_ Payer1 = 0	
Payment_Recipient	Identity of the recipient	EIOD	S	M	
Payment_Invoice	Indication if the payment corresponds to the existing invoice	Boolean	S	M	0 – No 1 – Yes
Invoice_Paid	Number of the invoice paid with the payment	Text	S	M, if Payment_I nvoice = 1	
UI_Type	Identification of UI types covered by the payment (recorded at the highest level of available aggregation)	Integer	S	M, if Payment_I nvoice = 0	1 – only unit packet level UIs 2 – only aggregated level UIs 3 – both unit packet and aggregated level UIs
upUIs	List of unit packet level UIs covered by the payment	upUI(L)	M	M, if AND Payment_I nvoice = 0 UI_Type = 1 or 3	
aUIs	List of aggregated level UIs covered by the payment	aUI	M	M, if AND Payment_I nvoice = 0 UI_Type = 2 or 3	
Payment_comment	Comments by the reporting entity	Text	S	O	

3.6.3.3 Response:

Payment record – response					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = EPR

3.6.3.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "Event_Time": "2018-08-23T07:32:20.7878086+00:00",
  "Payment_Date": "2018-08-23T07:32:20.7878086+00:00",
  "Payment_Type": 1,
  "InvoiceType": 1,
  "UI_Type": 1,
  "Payment_Amount": 1.99,
  "Payment_Currency": "EUR",
  "Payment_Payer1": true,
  "Payment_Payer2": "PayerId",
  "Payer_Name": "PayerNmae",
  "Payer_Address": "Address",
  "Payer_CountryReg": "UK",
  "Payer_TAX_N": "TaxId",
  "Payment_Recipient": "PaymentRecipient",
  "Payment_Invoice": 1,
  "Invoice_Paid":  "test" ,
  "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110",
"DANXXXXXXXXXXX2PR012345678919030110" ],
  "aUIs": [ "DANXXXXXXXXXXX10FA00000119030110",
"DANXXXXXXXXXXX20FA00000119030110" ],
  "Payment_comment": "Comments",
  "Message_Type": "EPR",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.6.3.5 Successful response sample

HTTP Status 202

```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "EPR",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.6.3.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.7 Recall

3.7.1 RCL – (5.0) Recalls of requests, operational and transactional messages

3.7.1.1 Description

Given a recall id ("Code" in the return of any message) The caller can mark that event invalid. This is possible for message types 2-1, 2-2, 3-1 to 3-7, 4-1, 4-2 and 4-3)

3.7.1.2 Description of the fields

Recall – request					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = RCL
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
Recall_CODE	Message recall code provided to the message sender in the acknowledgement of the original message to be recalled	Text	S	M	
Recall_Reason1	Reason for recalling the original message	Integer	S	M	See RecallReasonType
Recall_Reason2	Description of the reason for recalling the original message	Text	S	M, if Recall_Reason1 = 3 (other reason)	
Recall_Reason3	Any additional explanations on the reason for recalling the original message	Text	S	O	

3.7.1.3 Response:

Recall – response					
Field	Description	Data Type	Cardinality	Priority	Values
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = RCL

3.7.1.4 Request sample

```
{
"EO_ID":"QCUKR+1AB020054",
"Recall_CODE":"6854f9a6-a2b2-4c08-8000-0173f3c35567",
"RecallReason1":1,
"RecallReason2":1,
"RecallReason3":"Comments",
"Message_Type":"RCL",
"Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.7.1.5 Successful response sample

HTTP Status 202

```
{
    "Code": "873345b2-882f-4064-91f0-90669b46c30a",
    "Message_Type": "RCL",
    "Error": false,
    "Errors": null,
    "Checksum": "G6HF5H"
}
```

3.7.1.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		
400	RECALL_AFTER_ONE_WORKING_DAY	For requests of unit level or aggregated level UIs (ISU, IRU, ISA, IRA), recalls can be performed up to one working day after the original message.

4 List of Error Codes

4.1 Security errors

HTTP status	Error Code	
401	INVALID_OR_EXPIRED_TOKEN	Invalid or Expired security token

4.2 Processing errors

HTTP status	Error Code	
400	FAILED_VALIDATION	Generic validation error. Normally get more detail as below.
400	INVALID_SIGNATURE	Hash information not matching the message signature.
400	REQUIRED_FIELD_FAILED_VALIDATION	Mandatory field is missing
400	MAX_LENGTH_FAILED_VALIDATION	Over max length of field.
400	INVALID_REQUEST_FORMAT	No Type property added to message
400	INVALID_MESSAGE_TYPE	When the field “Message_Type” is out of the defined list.
400	INVALID_INPUT_FORMAT	When the body of the message doesn’t contain a valid JSON.
500	SYSTEM_ERROR	Internal system error. This internal error id should be provided to Dentsu support if required

4.3 Validation errors

HTTP status	Error Code	
400	MULTIPLE_UID	Multiple duplicate UI present in the messages Related control: VAL_UI_MULT_MSG
400	UI_NOT_VALID	UI validity – Exists without Timestamp in the repository. (has never been applied). When application of UI (with Timestamp) occurs. Related Control: VAL_UI_MULT_MSG
400	UIS_NOT_VALID	UI(s) validity – One or more UIs without Timestamp in the repository. (has never been applied). When application of UI (with Timestamp) occurs. Related Control: VAL_UI_MULT_MSG
400	UI_NOT_EXIST	UI validity – Exists not in the repository. When any message references UI Related Control: VAL_UI_EXIST_TIME
400	EXCISE_NUMBER_NOT_VALID	Seed type format wrong.
400	UI_EXPIRED	Validation that the application or the aggregation date doesn’t exceed the 6 months period after the code has been issued. Related Control: VAL_UI_EXPIRY

400	UI_NOT_EXIST_OR_NOT_IN_STATE	UI – UI is not applied after deactivation. Or UID is not in correct state for activation Related Control: VAL_UI_ORD_REACTIVATION
400	SHIPMENT_WITHIN_24_HOURS	"Within 24 hours prior to the occurrence of the event" rule for dispatch and trans-loading event messages is a strict rule and the system shall reject non compliant messages. Control is based on the "actual date – Event_Time" time difference Related Control: VAL_EVT_TIME
400	RECALL_AFTER_ONE_WORKING_DAY	For requests of unit level or aggregated level UIs (ISU, IRU, ISA, IRA), recalls can be performed up to one working day after the original message. Related Control: VAL_EVT_RECALL
400	EOID_NOT_EXIST_OR_ACTIVE	Check if EOID, exists and is active Related Control: VAL_ENT_EXIST_EOID VAL_ENT_ACTIVE_EOID
400	FID_NOT_EXIST_OR_ACTIVE	Check if FID, exists and is active Related Controls: VAL_ENT_EXIST_FID VAL_ENT_ACTIVE_FID
400	MID_NOT_EXIST_OR_ACTIVE	Check if MID, exists and is active Related Controls: VAL_ENT_EXIST_MID VAL_ENT_ACTIVE_MID
400	FID_NOT_RELATED_TO_EOID	Check if EOID FID relation Related Control: VAL_ENT_REL_EOID_FID
400	MID_NOT_RELATED_TO_FID	Check if FID MID relation Related Control: VAL_ENT_REL_ FID_MID
400	CLAIM_VALIDATION_FAILED	Caller is not allowed to call this method.
400	NON_COMPATIBLE_UIS	Activation failed as ordered list of UI with timestamp, did not match short UIs.
400	NOT_THE_SAME_NUMBER_OF_ITEMS	Activation failed as number of of UI with timestamp, did not same number as short UIs.
400	CODE_NOT_PROVIDED	Code was not provided in context where it's mandatory, for example when calling secondary from a primary
400	CODE_PROVIDED	Code was provided in context where it's not expected, for example when a manufacturer calls a primary
400	CODE_NOT_UNIQUE	The recall code provided has been used before