dentsu

TRACKING

Dentsu Aegis Network
DATA DICTIONARY v1.4.3

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

Summary of changes

Date	Version	Done by	Comment
17.01.2019	0.1	Dentsu Aegis Network	Internal Draft
05.02.2019	0.2	Dentsu Aegis Network	First Draft shared with stakeholders
21.02.2019	1.0	Dentsu Aegis Network	First release
08.03.2019	1.1	Dentsu Aegis Network	Minor changes
28.03.2019	1.2	Dentsu Aegis Network	Minor changes
16.09.2019	1.3	Dentsu Aegis Network	Addition of the GS1 EPCIS, EDI interface. Improvement of the Validation and address field split.
16.10.2019	1.4	Dentsu Aegis Network	Addition of the validation error codes and the EventTimeLong field.
17.10.2019	1.4.1	Dentsu Aegis Network	Update of the Message Time Long. Update the definition of the Arrival validation in order to remove the FID control. Update the VAL_EVT_24H definition to a warning returning a Http status 299.
20.12.2019	1.4.2	Dentsu Aegis Network	Update EOID, FID and MID , Error codes
31.10.2020	1.4.3	Dentsu Aegis Network	Update of the country codes in preparation for Brexit. Consolidation of optional features into the main documents

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Table of Contents

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 ISO8859-15:1999 EOID starts with the alphanumeric characters that constitute the ID issuer identification code, followed by alphanumeric sequence which is unique within the code pool of the ID issuer.	Text(50)	
EO_CODE	EO_CODE established by ID issuer coded with the invariant set of ISO8859-15:1999	Text(50)	
FID	Tobacco facility identifier code corresponding to the format established by ID issuer coded with the invariant set of ISO8859-15:1999	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 ISO8859-15:1999	Text(50)	
MRN	Movement Reference Number (MRN) is a unique customs registration number. It contains 18 digits and is composed of the following elements: (a) last two digits of the year of formal acceptance of export movement (YY), (b) country name coded with ISO3166-1:2013 alpha-2 (or its latest equivalent) of the Member State to which the declaration was sent, (c) unique identifier for entry/import per year and country, and (d) check digit.	Text(18)	'19IT9876AB88901235'
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	Text(13)	LU00000987ABC'

	alphanumeric characters, if needed, padded to the left with zeroes (e.g. '00000987ABC').		
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'
Time(ms)	Time(ms) format format : yyyy-MM-ddTHH:mm:ss.fffZ		E.g ‘2020-08-13T16:01:34.477Z’
TPID	Tobacco Product Identifier (TP-ID) – numeric identifier used in the EU-CEG system in the format: NNNNN-NN-NNNNN	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

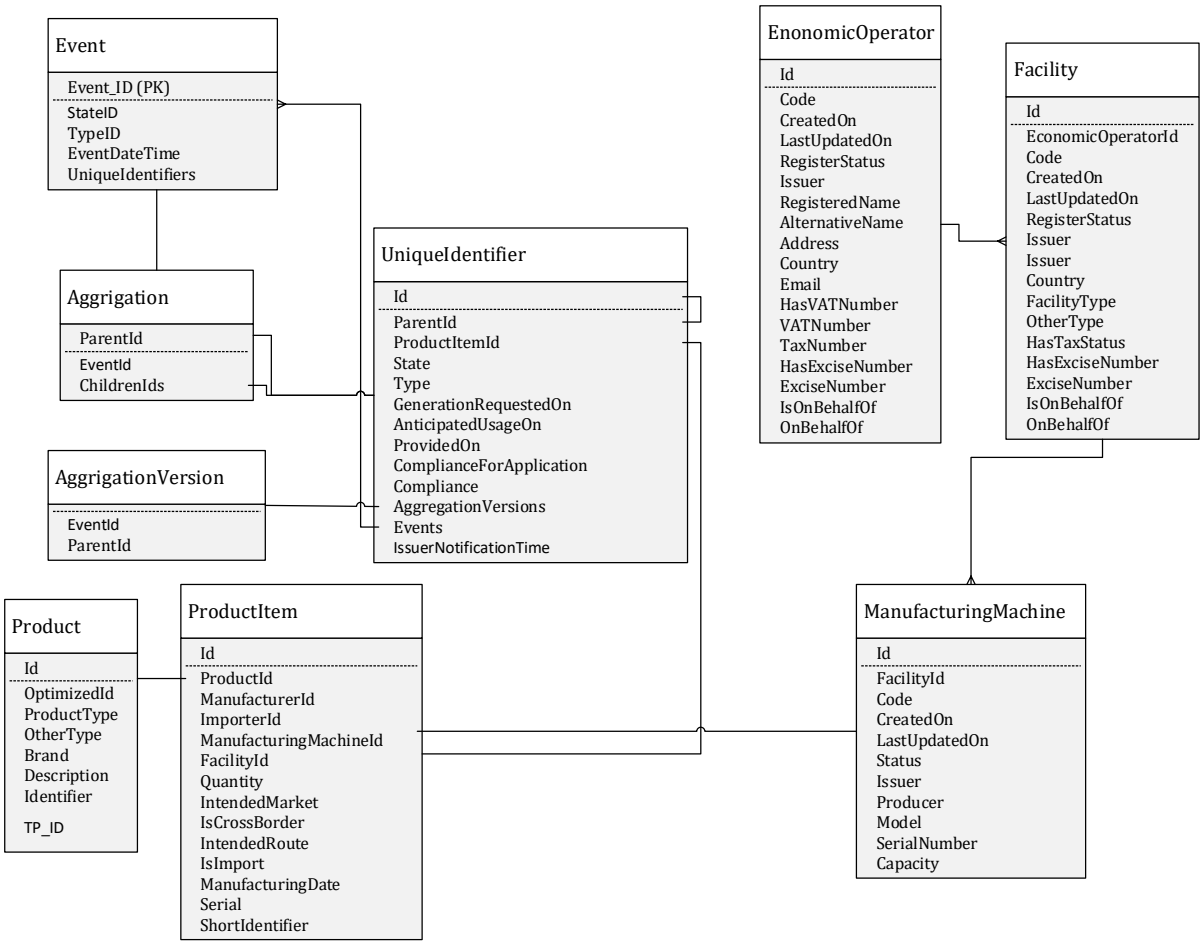
Type	Explanation
Mandatory (M)	The variable must be completed.
Optional (O)	The variable is for optional fields which could be filled depending on the record status or type.

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	O	
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	Manufacturing Machine 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_Route 1 = 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 requesting the issuance of codes	Time(s)	M	
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	UniqueIdentifier State ID	M	UniqueIdentifier State Type
Type	The type of the unique identifier	UniqueIdentifier Type ID	M	UniqueIdentifier Type 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_ExciseNumber 1 = 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	EO_CODE	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	EO_CODE	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_Excise Number1 = 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 Codes

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
XI	Northern Ireland
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
ICM	Validation of the IRU Message successful transmission to the Primary repository
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	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 JSON formatted 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
RMA	(1.7)	Request for a machine identifier code
RMAD		Data for a machine identifier code
CMA	(1.8)	Correction of information concerning the machine identifier code
DMA	(1.9)	De-registration of machine identifier code
ICV		Identifier code verification
ICM		Validation of the delivery of an IRU message
ULO		Flat file and registry File upload
ULOD		Flat file and registry File upload callback
PLO		Partial Flat file and registry transmission
ISU	(2.1)	Request for unit level UIs
IRU		Response for unit level UIs

IRUD		Callback for the Message to report the issuance of serial numbers at unit packet level
ISA	(2.2)	Request for reporting the issuance of serial numbers at aggregated level
IRA		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
LUP		Download Offline flat file
LUQ		Query Messages
LDI		Lookup Dispatch Interface
CTM		Connectivity Test 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
Primary Repository End Point		
Primary Endpoint	The primary endpoint	IRU,IRA,IDA,EUA,EPA,EDP,ERP,ETL,EUD,EVR ,EIV,EPO,EPR,RCL,CTM
Router Endpoints		
Router	The authentication endpoint	
Router	The resource endpoint	IRU,IRA,IDA,EUA,EPA,EDP,ERP,ETL,EUD,EVR ,EIV,EPO,EPR,RCL
Router	The flat file upload	ULO, PLO
Secondary Repository Endpoints		
Secondary Repository	The Identifier Code Verification	ICV
Secondary Repository	The resource endpoint	IRU,IRA,IDA,EUA,EPA,EDP,ERP,ETL,EUD,EVR ,EIV,EPO,EPR,RCL
Secondary Repository	The Offline flat file download	LUP, LUQ

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.	FailureData (See below table)	S	O	This should only be filled if the primary validation fails.
Reception_Time	System reception Time added by the Router or the Primary Repository	Time(ms)	S	M for messages transmitted by the Router (and Primary for wards from Router)	

Note 1: The reception Time is added by the entry point traceability system (Router or primary repository). The reception Time provided by the router to the primary repositories should be maintained and the primary repositories should accept the field and forward it to the secondary repository.
Note 2: 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, Error_InternalId, Error_Data (string)	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 (string), Error_Descr, Error_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 Basic Error block description

Data Type	Description	Type	Example or regular expression
Error_Code	Error code describing the error.	Text(30)	
Error_Data	Text field containing error related data such as values of attributes, list of UIs For all lists, use the # character as separator.	Text()	
Error_Descr	Description of the error code.	Text()	

Error_InternalID	**Optional** internal ID of the error. This internal ID can be used for maintenance or audit purpose.	Text(50)	

```
{
  …
    "Errors": [
      {
         "Error_Code": "UI_NOT_EXIST",
         "Error_Descr": "Text describing the error code",
         "ErrorData": "CF12D12AB887#CFEEAB2AB887#CFEED12AB887#AB1212AB6395"
      }
    ],
  …
 }
```

3.2.4 Response Information block

Basic information block concerning the response - schema					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Information_Type	The identifier of the type of information	Text	S	M	
Data	Indicates the failure of the message reception	Text	S	M	0 – No 1- Yes
Data_List	Array of data	Text	M	O	

```
{
  …
    "Information": [
      {
         "Info_Type": "TotalupUI",
         "Data": "5000"
      }
    ],
  …
 }
```

3.2.4.1 Information_Type

Information_Type	Description
TotalupUI	Total number of upUI present in the event. This oprtional field is supported on the following requests • EPA – (3.2) Application of aggregated level UIs on aggregated packaging • EDP – (3.3) Dispatch of tobacco products from a facility • ERP – (3.4) Arrival of tobacco products at a facility

Information_Type	Description
	• ETL – (3.5) Trans-loading event • EVR – (3.7) Report the delivery carried out with a vending van to retail outlet

3.2.5 Empty array and null values

3.2.5.1 Empty array

An array structure is represented as square brackets surrounding zero or more values (or elements).

```
{
  …
    "Errors": [],
  …
 }
```

3.2.5.2 Null value

A JSON null value MUST be a literal named null.

```
{
  …
    "Code": null,
  …
 }
```

3.2.6 Decimal points

According to the JSON Standard RFC7159 a JSON decimal separator value MUST be a period ".".

```
{
  …
    "DecimalValue": 35.21
  …
 }
```

3.2.7 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	address – street name, house number, postal code, city	Text	S	O	
EO_Address_Name	Name part of the Address	Text	S	O	
EO_Address_StreetOne	Street part of the Address	Text	S	M	
EO_Address_StreetTwo	Second Element of the Street part of the Address	Text	S	O	
EO_Address_City	City	Text	S	M	
EO_Address_PostCode	PostalCode information	Text	S	O	

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_ExciseNu mber1	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_ExciseNu mber2	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	EO_CODE	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": 1,
  "VAT_N": "VATNumber 1",
  "TAX_N": "Tax",
  "EO_ExciseNumber1":1,
  "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	address – street name, house number, postal code, city	Text	S	O	
EO_Address_Name	Name part of the Address	Text	S	O	
EO_Address_StreetOne	Street part of the Address	Text	S	M	
EO_Address_StreetTwo	Second Element of the Street part of the Address	Text	S	O	
EO_Address_City	City	Text	S	M	

EO_Address_PostCode	PostalCode information	Text	S	O	
EO_CountryR eg	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_ExciseNu mber1	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_ExciseNu mber2	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	EO_CODE	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": 1,
 "VAT_N": "VATNumber 1",
 "TAX_N": "Tax",
 "EO_ExciseNumber1":1,
 "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	EO_CODE	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	address – street name, house number, postal code, city	Text	S	O	
EO_Address_Name	Name part of the Address	Text	S	O	
EO_Address_StreetOne	Street part of the Address	Text	S	M	
EO_Address_StreetTwo	Second Element of the Street part of the Address	Text	S	O	
EO_Address_City	City	Text	S	M	
EO_Address_PostCode	PostalCode information	Text	S	O	
EO_CountryR eg	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_ExciseNu mber1	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_ExciseNu mber2	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 – resp ɔnse					
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": 1,
 "VAT_N": "VATNumber 1",
 "TAX_N": "Tax",
 "EO_ExciseNumber1": 1,
 "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	EO_CODE	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	EO_CODE	S	M	
F_Address	address – street name, house number, postal code, city	Text	S	O	
F_Address_Name	Name part of the Address	Text	S	O	
F_Address_StreetOne	Street part of the Address	Text	S	M	
F_Address_StreetTwo	Second Element of the Street part of the Address	Text	S	O	
F_Address_City	City	Text	S	M	
F_Address_PostCode	PostalCode information	Text	S	O	
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_ExciseNum ber1	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_ExciseNum ber2	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	EO_CODE	S	M	
F_Address	address – street name, house number, postal code, city	Text	S	O	

F_Address_Name	Name part of the Address	Text	S	O	
F_Address_StreetOne	Street part of the Address	Text	S	M	
F_Address_StreetTwo	Second Element of the Street part of the Address	Text	S	O	
F_Address_City	City	Text	S	M	
F_Address_PostCode	PostalCode information	Text	S	O	
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_ExciseNum ber1	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_ExciseNum ber2	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	EO_CODE	S	M	
F_ID	Facility identifier code	FID	S	M	
EO_Address	address – street name, house number, postal code, city	Text	S	O	
EO_Address_Name	Name part of the Address	Text	S	O	
EO_Address_StreetOne	Street part of the Address	Text	S	M	
EO_Address_StreetTwo	Second Element of the Street part of the Address	Text	S	O	
EO_Address_City	City	Text	S	M	
EO_Address_PostCode	PostalCode information	Text	S	O	
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_ExciseNum ber1	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_ExciseNum ber2	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	EO_CODE	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 >>		

3.3.9 RMA – (1.7) Request for a machine identifier code

3.3.9.1 Description

Submit the information for the first registration of a machine.

3.3.9.2 Description of the fields

Registration of manufacturing machine – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = RMA
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	EO_CODE	S	M	
F_ID	Facility identifier code	FID	S	M	

M_Producer	Machine producer	Text	S	M	
M_Model	Machine model	Text	S	M	
M_Number	Machine serial number	Text	S	M	
M_Capacity	Maximum capacity over 24hour production cycle expressed in unit packets	Integer	S	M	
Extensibility	Optional extensibility field	Text	S	O	

3.3.9.3 Response:

registration of manufacturing machine – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = RMA
M_ID	Machine identifier received from the RMA request made to the code issuer.	MID	S	M	
Extensibility	Optional extensibility field	Text	S	O	

3.3.9.4 Request sample

```
{
   "EO_ID": "QCUKR+1AB020054",
   "M_ID": "QCUKR>1AB020054000012" ,
   "EO_CODE": "873345b2-882f-4064-91f0-90669b46c30a",
   "F_ID": "QCUKR<1AB020054000048",
   "M_Producer": "Producer1",
   "M_Model": "model1",
   "M_Number": "MachineNumber",
   "M_Capacity": 533,
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
   "Message_Type": "RMA"
}
```

3.3.9.5 Successful response sample

HTTP Status 202

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

3.3.9.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.3.10 RMAD– Data Request for a machine identifier code

3.3.10.1 Description

The RMAD message is the response to the RMA message. This message can be issued in an asynchronous manner and transmit the M_ID.

3.3.10.2 Description of the fields

Registration of manufacturing machine – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = RMAD
EO_ID	Economic operator identifier code	EOID	S	M	
M_ID	Machine identifier received from the RMA request made to the code issuer.	EOID	S	M	
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	EO_CODE	S	M	
F_ID	Facility identifier code	FID	S	M	
M_Producer	Machine producer	Text	S	M	
M_Model	Machine model	Text	S	M	
M_Number	Machine serial number	Text	S	M	
M_Capacity	Maximum capacity over 24hour production cycle expressed in unit packets	Integer	S	M	
Extensibility	Optional extensibility field	Text	S	O	

3.3.10.3 Response:

registration of manufacturing machine – response

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

3.3.10.4 Request sample

```
{
   "EO_ID": "QCUKR+1AB020054",
   "M_ID": "QCUKR>1AB020054000012" ,
   "EO_CODE": "873345b2-882f-4064-91f0-90669b46c30a ",
   "F_ID": "QCUKR<1AB020054000048",
   "M_Producer": "Producer1",
   "M_Model": "model1",
   "M_Number": "MachineNumber",
   "M_Capacity": 533,
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
   "Message_Type": "RMAD"
}
```

3.3.10.5 Successful response sample

HTTP Status 202

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

3.3.10.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.3.11 CMA – (1.8) Correction of information concerning the machine identifier code

3.3.11.1 Description

Submit the information of a machine 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 machine. Links (for example dispatches) to / from this M_ID will be maintained.

3.3.11.2 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 = CMA
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	EO_CODE	S	M	
F_ID	Facility identifier code	FID	S	M	
M_ID	Machine identifier code	MID	S	M	
M_Producer	Machine producer	Text	S	M	
M_Model	Machine model	Text	S	M	
M_Number	Machine serial number	Text	S	M	
M_Capacity	Maximum capacity over 24hour production cycle expressed in unit packets	Integer	S	M	
Extensibility	Optional extensibility field	Text	S	O	

3.3.11.3 Response:

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

3.3.11.4 Request sample

```
{
```

```
  "EO_ID": "QCUKR+1AB020054",
  "EO_CODE": "873345b2-882f-4064-91f0-90669b46c30a",
  "F_ID": "QCUKR<1AB020054000048",
  "M_ID": "QCUKR>1AB020054000012" ,
  "M_Producer": "Producer1",
  "M_Model": "model1",
  "M_Number": "MachineNumber",
  "M_Capacity": 533,
  "Code": "873345b2-882f-4064-91f0-90669b46c30a",
  "Message_Type": "CMA"
}
```


3.3.11.5 Successful response sample

HTTP Status 202


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


3.3.11.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.3.12 DMA – (1.9) De-registration of machine identifier code

3.3.12.1 Description

De-registers a previously known machine for a given M_ID

3.3.12.2 Description of the fields

de-registration of manufacturing machine – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = DMA
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	EO_CODE	S	M	
F_ID	Facility identifier code	FID	S	M	
M_ID	Machine identifier code	MID	S	M	
Extensibility	Optional extensibility field	Text	S	O	

3.3.12.3 Response:

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

3.3.12.4 Request sample

```
{
"EO_ID":"QCUKR+1AB020054",
"EO_CODE": "873345b2-882f-4064-91f0-90669b46c30a",
"F_ID": "QCUKR<1AB020054000048",
"M_ID": "QCUKR>1AB020054000012" ,
"Code": "873345b2-882f-4064-91f0-90669b46c30a",
"Message_Type":"DMA"
}
```

3.3.12.5 Successful response sample

HTTP Status 202

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

3.3.12.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.3.13 ICV – Validate existence of EOID, FID and the MID.

3.3.13.1 Description

In order to allow the ID Issuers to check if the EOID, FID and the MID and the respective relations.

3.3.13.2 Description of the fields

Validate existence of EO-ID, F-ID and the M-ID.– request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = ICV
EO_IDS	A list of EOIDs to check for existence	EOID	M	O	
F_IDS	A list of FIDs to check for existence	FID	M	O	
M_IDS	A list of MIDs to check for existence	MID	M	O	
R_EOF	A list of relation of EOID and FID to check for existence	Text	M	O	
R_EOFM	A list of relation of EOID, FID and MID to check for existence	Text	M	O	

3.3.13.3 Response:

Validate existence of EO-ID, F-ID and the M-ID.– response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = ICV
EO_IDS_EXIST	List of EO_IDs that exist	Boolean	M	O	0 – False 1 - True
F_IDS_EXIST	List of FO_IDs that exist	Boolean	M	O	0 – False 1 - True
M_IDS_EXIST	List of MO_IDs that exist	Boolean	M	O	0 – False 1 - True
R_EOF_EXIST	List of R_EOF that exist	Boolean	M	O	0 – False 1 - True
R_EOFM_EXIST	List of R_EOFM that exist	Boolean	M	O	0 – False 1 - True

3.3.13.4 Request sample

```
{
"Message_Type":"ICV"
"EO_IDS": ["QCUKR+1AB020054", "QCBDR+1DE020055"]
"F_IDS": ["QCUKR<1AB020054000048", "QCUKR<1AB020054000049"]
"M_IDS": ["QCUKR>1AB020054000012", "QCUKR>1AB020054000013"]
"R_EOF": [
   ["QCUKR+1AB020054", "QCUKR<1AB020054000048"],
   ["QCUKR+1AB020054", "QCUKR>1AB020054000012"]],
"R_EOFM": [
   ["QCUKR+1AB020054", "QCUKR<1AB020054000048","QCUKR>1AB020054000012"],
   ["QCUKR+1AB020054", "QCUKR>1AB020054000012","QCUKR>1AB020054000012"]],
"Code": null
}
```

3.3.13.5 Successful response sample

HTTP Status 202

```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
   "Message_Type": "ICV",
   "EO_IDS_EXIST": [true, true],
   "F_IDS_EXIST ": [true, true],
   "M_IDS_EXIST ": [true, false],
   "R_EOF_EXIST ": [true, false],
   "R_EOFM_EXIST ": [true, false],
   "Error": false,
   "Errors": null,
   "Checksum": "G6HF5H"
}
```

Example here shows that the 2nd MID is the only one that does not exist in the EU wide registry. Also that the to the economic operator to facility relation is wrong on the 2nd. Also that the facility to machine relation is detected as wrong on the 2nd.

3.3.13.6 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, if Process_Type = 1	
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 = 11 (other tobacco product)	
P_CN	Combined Nomenclature (CN) code	Text	S	O	
P_weight	Average gross weight of unit packet, including packaging, in grams with 0,1 gram accuracy	lineDecimal	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

Request for unit level UIs – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
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	
Message_Time_long	Message sending Time	Time(L)	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

request for reporting the issuance of serial numbers at unit packet level – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
M_ID	Machine identifier code	MID	S	M, if Process_Type = 1	
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 = 11 (other tobacco product)	
P_CN	Combined Nomenclature (CN) code	Text	S	O	
P_Brand	Brand of tobacco product	Text	S	M	
P_weight	Average gross weight of unit packet, including packaging, in grams with 0,1 gram accuracy	Decimal	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 – for the current IRU message	Integer	S	M	
Order_Req_Quantity	Total Order Request quantity of unit packet level UIs.	Integer	S	O	
Order_number	Optional EO Request Order Number	Text(50)	S	O	
P_OtherID	Optional Product ID	Text(20)	S	O	
upUI	List of unit packet level UI issued by the ID Issuer.	upUI(L) without timestamp	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
RecallExpiry_Time	Calculation of the Expiry date	Time(L)	S	M	

3.4.2.4 Request sample

```
{
"EO_ID":"QCUKR+1AB020054",
"F_ID": "QCUKR<1AB020054000049",
"Event_Time":"19032014",
"Message_Time_Long":"2019-03-20T14:16:45Z",
"Process_Type":0,
"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":1,
"Intended_Route2":"BG",
"Import":false,
"Req_Quantity":2,
"upUI":["DANXXXXXXXXXXXX1PR0123456789","DANXXXXXXXXXXXX2PR0123456789"],
"Code": null,
"Message_Type":"IRU"
}
```

3.4.2.5 Successful response sample

HTTP Status 202

```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
   "Message_Type": "IRU",
   "RecallExpiry_Time":"19092014",
   "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 IRUD – Message to report the issuance of serial numbers at unit packet level callback

3.4.3.1 Description

This IRUD callback message is a response to the original IRU message indicating the delivery status of IRU message.

3.4.3.2 Description of the fields

IRUD – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Message_Type	The identifier of the type of message	Text	S	M	Message_Type = IRUD
IRU_Code	IRU recallCode		S	M	
IRU_Status	The status of the delivery of a specific IRU message	Boolean	S	M	0 – False 1 – True
IRU_Status_Description	Description of the status or the error message	Text	S	O	
Error	Indicates the failure of the message reception	Boolean	S	M	0 – No 1- Yes
Errors	Array containing Error_Code, Error_Descr, InternalId	Text	S	M if Error = 1	

3.4.3.3 Response:

IRUD – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Message_Type	The identifier of the type of message	Text	S	M	Message_Type = IRUD

IRUD – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Code	Unique identifier of the message. Used for recall too.	Text	S	M	
Error	Indicates the failure of the message reception	Boolean	S	M	0 – No 1- Yes
Errors	Array containing Error_Code, Error_Descr, InternalId	Text	S	M if Error = 1	

3.4.3.4 Request sample

```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30b",
   "Message_Type": "IRUD",
   "IRU_Code": "873345b2-882f-4064-91f0-90669b46c30a"
   "IRU_Status": 0,
   "IRU_Status_Description": "optional description",
   "Error": false,
   "Errors": null,
```

3.4.3.5 Successful response sample

HTTP Status 200

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

3.4.4 ISA – (2.2) Request for aggregated level UIs

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	S	M	Message_Type = ISA

		Request >>			
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	

3.4.4.3 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 = ISA

3.4.4.4 Request sample

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

3.4.4.5 Successful response sample

HTTP Status 202

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

3.4.4.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

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

3.4.5.1 Description

Request for reporting the issuance of serial numbers at aggregated level

3.4.5.2 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	
Message_Time_Long	Message sending Time	Time(L)	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	

3.4.5.3 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

3.4.5.4 Request sample

```
{
 "EO_ID": "QCUKR+1AB020054",
 "F_ID": "QCUKR<1AB020054000049",
 "Event_Time" : "19032014",
 "Message_Time_Long":"2019-03-20T14:16:45Z",
 "Req_Quantity": 2,
 "aUI": ["DANXXXXXXXXXXXX1FA000001", " DANXXXXXXXXXXXX2FA000001" ],
 "Message_Type": "IRA",
```

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

3.4.5.5 Successful response sample

HTTP Status 202

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

3.4.5.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.4.6 IDA – (2.3) Request for deactivation of UIs

3.4.6.1 Description

Changes the status of the UIs list in the request to "deactivated"

3.4.6.2 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	
Message_Time_long	Message sending Time	Time(L)	S	M	

request for the deactivation of UIs – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
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 DeactivationReasonType
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	

3.4.6.3 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

3.4.6.4 Request sample

```
{
 "EO_ID": "QCUKR+1AB020054",
 "Event_Time" : "19032014",
 "Message_Time_Long":"2019-03-20T14:16:45Z",
 "Deact_Type": 1,
 "Deact_Reason1": 1,
 "Deact_Reason2": "reason one",
 "Deact_Reason3": "reason two",
 "Deact_upUI": [ "DANXXXXXXXXXXX1PR0123456789" ],
 "Deact_apUI": [ "DANXXXXXXXXXXX1FA000001" ],
 "Message_Type": "IDA",
 "Code": "873345b2-882f-4064-91f0-90669b46c30a",
}
```

3.4.6.5 Successful response sample

HTTP Status 202

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

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


3.4.6.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.4.7 ICM – Validate the delivery of an IRU message.

3.4.7.1 Description

This optional message allows the ID Issuer to retrieve the state of the delivery of a specific IRU message.

3.4.7.2 Description of the fields

Validate the delivery of an IRU.– request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = ICM
IRU_Code	IRU recallCode		S	M	

3.4.7.3 Response:

Validate the delivery of an IRU.–.– response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = ICM
IRU_Code	IRU recallCode		S	M	

IRU_Status	The status of the delivery of a specific IRU message	Boolean	S	M	0 – False 1 – True
IRU_Status_Description	Description of the status or the error message	Text	S	O	

3.4.7.4 Request sample

```
{
"Message_Type":"ICM"
"IRU_Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.4.7.5 Successful response sample

HTTP Status 202

```
{
   "Code": "873345b2-882f-4064-91f0-90669b46c30b",
   "Message_Type": "ICM",
   "IRU_Code": "873345b2-882f-4064-91f0-90669b46c30a"
   "IRU_Status": 0,
   " IRU_Status_Description": "optional description",
   "Error": false,
   "Errors": null,
   "Checksum": "G6HF5H"
}
```

3.4.7.6 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	
Message_Time_long	Message sending Time	Time(L)	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": "19032014",
 "Message_Time_Long":"2019-03-20T14:16:45Z",
 "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	
Message_Time_long	Message sending Time	Time(L)	S	M	
aUI	Aggregated level UI	aUI	S	M	

Application of aggregated level UIs on aggregated packaging - request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
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_ UIs1	List of unit packet level UIs subject to aggregation	upUI(L)	M	M, if Aggregation_Type = 1 or 3	
Aggregated_ UIs2	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	
Information	Indicates the request of additional optional information	Boolean	S	O	0 – No 1- Yes

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
Basic Information Block	Additional optional acknowledgment Information	Component << Basic Information Block >>	S	O	

3.5.2.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "F_ID": "QCUKR<1AB020054000049",
  "Event_Time": "19032014",
  "Message_Time_Long":"2019-03-20T14:16:45Z",
  "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	
Message_Time_long	Message sending Time	Time (L)	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

Dispatch of tobacco products from a facility event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
					– 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	Text	S	M, if Destination_ID 1 = 1	
Destination_ID5_Address_Name	Destination facility's full address - Name part of the Address	Text	S	O	
Destination_ID5_Address_StreetOne	Destination facility's full address - Street part of the Address	Text	S	M, if Destination_ID 1 = 1	
Destination_ID5_Address_StreetTwo	Destination facility's full address - Second Element of the Street part of the Address	Text	S	O	
Destination_ID5_Address_City	Destination facility's full address - City	Text	S	M, if Destination_ID 1 = 1	
Destination_ID5_Address_PostCode	Destination facility's full address - PostalCode information	Text	S	O	
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	Boolean	S	M	0 – No 1 – Yes

Dispatch of tobacco products from a facility event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
	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) 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_Declaration = 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	

Dispatch of tobacco products from a facility event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Information	Indicates the request of additional optional information	Boolean	S	O	0 – No 1- Yes

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
Basic Information Block	Additional optional acknowledgment Information	Component << Basic Information Block >>	S	O	

3.5.3.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "F_ID": "QCUKR<1AB020054000049",
  "Event_Time": "19032014",
  "Message_Time_Long":"2019-03-20T14:16:45Z",
  "Destination_ID1": "1",
  "Destination_ID2": "FacilityIdB",
  "Destination_ID3": [ " FacilityIdB ", " FacilityIdB " ],
  "Destination_ID4": [ " FacilityIdB" ],
  "Destination_ID5": "FacilityIdA",
  "Transport_vehicle": "1",
  "Transport_cont1": 1,
  "Transport_cont2": "1",
  "Transport_s1": 1,
  "Transport_s2": "1",
  "EMCS": false,
  "EMCS_ARC": null,
  "SAAD": 1,
  "SAAD_number": 1,
  "Exp_Declaration": 1,
  "Exp_DeclarationNumber": 1,
  "UI_Type": 3,
  "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110",
"DANXXXXXXXXXXXX2PR012345678919030110" ],
  "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	
Message_Time_long	Message sending Time	Times(L)	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	
Information	Indicates the request of additional optional information	Boolean	S	O	0 – No 1- Yes

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
Basic Information Block	Additional optional acknowledgment Information	Component << Basic Information Block >>	S	O	

3.5.4.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "F_ID": "QCUKR<1AB020054000049",
  "Event_Time": "19032014",
  "Message_Time_Long":"2019-03-20T14:16:45Z",
  "Product_Return": "true",
  "UI_Type": "1",
  "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110", "
DANXXXXXXXXXXX2PR012345678919030110" ],
  "aUIs": [ "DANXXXXXXXXXXX1PR012345678919030110" ],
  "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

Trans-loading event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
Event_Time	Intended time of event occurrence	Time(s)	S	M	
Message_Time_long	Message sending Time	Time(L)	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	
Destination_ID3_Address_Name	Destination facility's full address - Name part of the Address	Text	S	O	
Destination_ID3_Address_StreetOne	Destination facility's full address - Street part of the Address	Text	S	M, if Destination_ID 1 = 0	
Destination_ID3_Address_StreetTwo	Destination facility's full address - Second Element of the Street part of the Address	Text	S	O	
Destination_ID3_Address_City	Destination facility's full address - City	Text	S	M, if Destination_ID 1 = 0	
Destination_ID3_Address_PostCode	Destination facility's full address - PostalCode information	Text	S	O	
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_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	
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	Integer	S	M	1 – only unit packet level UIs 2 – only aggregated level UIs

Trans-loading event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
	level of available aggregation)				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_ comment	Comments by the reporting entity	Text	S	O	
Information	Indicates the request of additional optional information	Boolean	S	O	0 – No 1- Yes

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
Basic Information Block	Additional optional acknowledgment Information	Component << Basic Information Block >>	S	O	

3.5.5.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "Event_Time": "19032014",
  "Message_Time_Long":"2019-03-20T14:16:45Z",
  "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", "
DANXXXXXXXXXXXX2PR012345678919030110" ],
  "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	
Message_Time_long	Message sending Time	Time(L)	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": "19032014",
 "Message_Time_Long":"2019-03-20T14:16:45Z",
 "aUI": "DANXXXXXXXXXXX10FA00000119030110",
 "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	
Message_Time_long	Message sending Time	Time(L)	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_com ment	Comments by the reporting entity	Text	S	O	
Information	Indicates the request of additional optional information	Boolean	S	O	0 – No 1- Yes

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
Basic Information Block	Additional optional acknowledgment Information	Component << Basic Information Block >>	S	O	

3.5.7.4 Request sample

```
{
 "EO_ID": "QCUKR+1AB020054",
 "F_ID": "QCUKR<1AB020054000049",
 "Event_Time": "19032014",
 "Message_Time_Long":"2019-03-20T14:16:45Z",
 "UI_Type": 1,
 "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110", "
DANXXXXXXXXXXXX2PR012345678919030110" ],
 "aUIs": [ "DANXXXXXXXXXXX10FA00000119030110" ],
 "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 EPCIS Reporting operational events (product movement information)

3.6.1 General

3.6.1.1 ISO 8859-15 character set.

The payload of each field identified in Annex II as Data Type "Text" is restricted to the ISO 8859-15 character set. this applies to the following EPCIS fields, by message:

		EPCIS Fields
EUA	3.1 Commissioning	<fit:messageType> <fit:comment>
EPA	3.2 Packing	<fit:messageType> <fit:comment>
EDP	3.3 Dispatch	<fit:messageType> <fit:comment>
ERP	3.4 Receiving	<fit:destinationID5name> <fit:destinationID5streetAddressOne> <fit:destinationID5streetAddressTwo> <fit:destinationID5city> <fit:destinationID5postalCode> <fit:transportVehicle> <fit:transportS2> <fit:saadNumber> <fit:comment>
ETL	3.5 Transloading	<fit:messageType> <fit:comment>
EUD	3.6 Unpacking	<fit:messageType> <fit:comment>
EVR	3.7 Arriving	<fit:messageType> <fit:comment>

3.6.1.2 Message identification

Each message will be sent to the interface with a new "eventID" field that will contain a UUID generated by the sender party. This UUID will be then used as the recallCode for the event, instead of the repositories system generating a code.

```
<!-- added UUID -->
<baseExtension>
      <eventID>urn:uuid:d24aa483-94b5-4c65-ac3f-8b908ff61647</eventID>
</baseExtension>
```

3.6.1.3 Document and Events

Only one Event per document should be transmitted.

3.6.1.4 Responses

In alignment with the EPCIS v1.2 Capture Interface standard, the interface returns an empty payload and only replies with the relevant HTTP code of the result of the message validation.

As a result of this, by usage of this interface any HTTP Code 2xx will be an accepted message and any 4xx or 5xx HTTP Code will mean the message was rejected or erroneous.

As of now due to this limitation in the standard the exact reason for the error will not be returned. If future versions of the EPCIS standard remove this limitation the interface might be updated.

3.6.2 EPCIS - EUA – (3.1) Application of unit level UIs on unit packets

3.6.2.1 Description

Application of unit level UIs on unit packets will be captured as an EPCIS Object Event (business step "Commissioning")

3.6.2.2 Description of the fields

EPCIS EUA - Application of unit level UIs on unit packets	
Field	**Values**
<ObjectEvent>	*nested*
<action>	ADD
<eventTime>	Reference: Event_Time
<eventTimeZoneOffset>	Time zone offset from UTC in effect at the time and place the event occurred.
<baseExtension>	"<eventID>" tag containing a UUID that must be generated by the sender and will be used as the recallCode for the message. Example: <eventID>urn:uuid:d24aa483-94b5-4c65-ac3f-8b908ff61647</eventID>
<epcList>	One or more packs, each identified by UPUI EPC URI.
<readPoint>	GLN identifying the facility, <id> expressed as SGLN EPC URI, qualified by <fit:fid> extension to the readPoint, linking the SGLN of the readPoint to the Facility Identifier code, represented by the concatenated GS1 element strings AI(7040) and AI (414), where AI (414) corresponds to the first two segments of the readPoint's SGLN EPC URI, for example: <fit:fid>(7040)5f(414)1234567890128</fit:fid> <readPoint> <id>urn:epc:id:sgln:1234567.89012.0</id>

EPCIS EUA - Application of unit level UIs on unit packets	
Field	**Values**
<bizStep>	urn:epcglobal:cbv:bizstep:commissioning
<disposition>	urn:epcglobal:cbv:disp:active
<fit:messageType>	3-1
<fit:eoid>	Concatenation of GS1 element strings AI(7040) and AI (417), UIM and GLN representing Economic Operator identifier code of submitting entity, <fit:eoid epc="urn:epc:id:pgln:1234567.89012" gs1ElementString="(7040)5f(417)1234567890128"/>
<fit:upui2>	*List of corresponding unit packet level UIs to be recorded (as visible in human readable format) indicated in the same order as upUI_1* – will be introduced to the revision of "FIT with EPCIS" in the form of the "fit:upui2" extension
<fit:comment>	Optional free text comments by reporting entity, limited to 1000 characters.

upUI_2 – The ampersand ("&"), greater-than (">") and less-than ("<") characters are expressed with **escape codes that differ** for URI syntax (i.e., for the EPC UPUI URIs) and XML syntax (i.e., for the human-readable encoding in the "hriOnPack" field), as follows:

character	URI escape code (for UPUI EPC)	XML escape code (for "hriOnPack")
&	%26	&amp;
>	%3E	&gt;
<	%3C	&lt;

3.6.2.3 Request sample

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">

   <EPCISBody>
      <EventList>
         <!-- 3.1 -->
         <ObjectEvent>
            <eventTime>2018-12-03T09:09:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <!-- added UUID -->
            <baseExtension>
               <eventID>urn:uuid:d24aa483-94b5-4c65-ac3f-8b908ff61647</eventID>
            </baseExtension>
            <epcList>
```

```
            <epc>urn:epc:id:upui:1234567.054321.5vY)%3C%26Jp3*j7</epc>
            <epc>urn:epc:id:upui:1234567.054321.5vPxbrJk3th5</epc>
            <epc>urn:epc:id:upui:1234567.054321.5vs*)%3Ek85Jp3*j7</epc>
            <epc>urn:epc:id:upui:1234567.054321.5v8rntU1;00U%3F</epc>
            <epc>urn:epc:id:upui:1234567.054321.5vB102bte175th</epc>
            <epc>urn:epc:id:upui:1234567.054321.5v4CDrco52241BRd</epc>
            <epc>urn:epc:id:upui:1234567.054321.5vittJekPgalpH</epc>
            <epc>urn:epc:id:upui:1234567.054321.5vaC1000FyakK</epc>
            <epc>urn:epc:id:upui:1234567.054321.5vgpuT4aHtd</epc>
            <epc>urn:epc:id:upui:1234567.054321.5vrLbDflilwiF</epc>
         </epcList>
         <action>ADD</action>
         <bizStep>urn:epcglobal:cbv:bizstep:commissioning</bizStep>
         <disposition>urn:epcglobal:cbv:disp:active</disposition>
         <readPoint>
            <id>urn:epc:id:sgln:1234567.54321.0</id>
            <fit:fid>(7040)5v9_(414)1234567543215</fit:fid>
         </readPoint>
         <fit:messageType>3-1</fit:messageType>
         <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
            gs1ElementString="(7040)5f9_(417)1234567890128"/>
         <!-- Human-readable on-pack encodings below, corresponding to upUI_2(H) of Annex
II -->
         <fit:upui2 epc="urn:epc:id:upui:1234567.054321.5vY)%3C%26Jp3*j7"
            hriOnPack="(235)5vY)&amp;lt;&amp;amp;Jp3*j7(01)01234567543215(8008)18120308"/>
         <fit:upui2 epc="urn:epc:id:upui:1234567.054321.5vPxbrJk3th5"
            hriOnPack="(235)5vPxbrJk3th5(01)01234567543215(8008)18120308"/>
         <fit:upui2 epc="urn:epc:id:upui:1234567.054321.5vs*)%3Ek85Jp3*j7"
            hriOnPack="(235)5vs*)&amp;gt;k85Jp3*j7(01)01234567543215(8008)18120308"/>
         <fit:upui2 epc="urn:epc:id:upui:1234567.054321.5v8rntU1;00U%3F"
            hriOnPack="(235)5v8rntU1;00U?(01)01234567543215(8008)18120308"/>
         <fit:upui2 epc="urn:epc:id:upui:1234567.054321.5vB102bte175th"
            hriOnPack="(235)5vB102bte175th(01)01234567543215(8008)18120308"/>
         <fit:upui2 epc="urn:epc:id:upui:1234567.054321.5v4CDrco52241BRd"
            hriOnPack="(235)5v4CDrco52241BRd(01)01234567543215(8008)18120308"/>
         <fit:upui2 epc="urn:epc:id:upui:1234567.054321.5vittJekPgalpH"
            hriOnPack="(235)5vittJekPgalpH(01)01234567543215(8008)18120308"/>
         <fit:upui2 epc="urn:epc:id:upui:1234567.054321.5vaC1000FyakK"
            hriOnPack="(235)5vaC1000FyakK(01)01234567543215(8008)18120308"/>
         <fit:upui2 epc="urn:epc:id:upui:1234567.054321.5vgpuT4aHtd"
            hriOnPack="(235)5vgpuT4aHtd(01)01234567543215(8008)18120308"/>
         <fit:upui2 epc="urn:epc:id:upui:1234567.054321.5vrLbDflilwiF"
            hriOnPack="(235)5vrLbDflilwiF(01)01234567543215(8008)18120308"/>
         <fit:comment>3.1 Application of unit level UIs on unit packets</fit:comment>
      </ObjectEvent>

   </EventList>
  </EPCISBody>
</epcis:EPCISDocument>
```

3.6.3 EPCIS - EPA – (3.2) Application of aggregated level UIs on aggregated packaging

3.6.3.1 Description

Message 3.2, "Application of aggregated level UIs on aggregated packaging", is captured in one or more EPCIS Aggregation Events – iterative as necessary, to allow for "nesting" of hierarchical levels – with business step Packing, as follows.

3.6.3.2 Description of the fields

EPCIS EPA - Application of aggregated level UIs on aggregated packaging	
Field	**Values**
<AggregationEvent>	*nested*
<action>	ADD
<eventTime>	Reference: Event_Time
<eventTimeZoneOffset>	Time zone offset from UTC in effect at the time and place the event occurred.
<baseExtension>	"<eventID>" tag containing a UUID that must be generated by the sender and will be used as the recallCode for the message. Example: <eventID>urn:uuid:d24aa483-94b5-4c65-ac3f-8b908ff61647</eventID>
<parentID>	Parent ID, in SGTIN EPC URI or SSCC EPC URI
<childEPCs>	Child EPCs, in SGTIN/SSCC EPC UI or UPUI EPC URI
<readPoint>	GLN identifying the facility, <id> expressed as SGLN EPC URI, qualified by <fit:fid> extension to the readPoint, linking the SGLN of the readPoint to the Facility Identifier code, represented by the concatenated GS1 element strings AI(7040) and AI (414), where AI (414) corresponds to the first two segments of the readPoint's SGLN EPC URI, for example: <fit:fid>(7040)5f(414)1234567890128</fit:fid> <readPoint> <id>urn:epc:id:sgln:1234567.89012.0</id>
<bizStep>	urn:epcglobal:cbv:bizstep:packing

EPCIS EPA - Application of aggregated level UIs on aggregated packaging	
Field	**Values**
<disposition>	urn:epcglobal:cbv:disp:active
<fit:messageType>	3-2
<fit:aggregationType>1</fit:aggregationType>	Reference: Aggregation Type
<fit:eoid>	Concatenation of GS1 element strings AI(7040) and AI (417), UIM and GLN representing Economic Operator identifier code of submitting entity, <fit:eoid epc="urn:epc:id:pgln:1234567.89012" gs1ElementString="(7040)5f(417)1234567890128"/>
<fit:comment>	Optional free text comments by reporting entity, limited to 1000 characters.

3.6.3.3 Request sample

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">

   <EPCISBody>
      <EventList>


         <!-- 3.2 -->
         <!-- 3.2.1 -->
         <AggregationEvent>
            <eventTime>2018-12-03T10:10:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <!-- added UUID -->
            <baseExtension>
               <eventID>urn:uuid:433a2eb3-8c8f-4412-a54d-9ba372c75ef1</eventID>
            </baseExtension>
            <parentID>urn:epc:id:sgtin:1234567.012345.9876543210</parentID>
            <childEPCs>
               <epc>urn:epc:id:upui:1234567.054321.5vY)%3C%26Jp3*j7</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vPxbrJk3th5</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vs*)%3Ek85Jp3*j7</epc>
               <epc>urn:epc:id:upui:1234567.054321.5v8rntU1;00U%3F</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vB102bte175th</epc>
               <epc>urn:epc:id:upui:1234567.054321.5v4CDrco52241BRd</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vittJekPgalpH</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vaC1000FyakK</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vgpuT4aHtd</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vrLbDflilwiF</epc>
            </childEPCs>
```

```
            <action>ADD</action>
            <bizStep>urn:epcglobal:cbv:bizstep:packing</bizStep>
            <disposition>urn:epcglobal:cbv:disp:in_progress</disposition>
            <readPoint>
               <id>urn:epc:id:sgln:1234567.54321.0</id>
               <fit:fid>(7040)5v9_(414)1234567543215</fit:fid>
            </readPoint>
            <fit:messageType>3-2</fit:messageType>
            <fit:aggregationType>1</fit:aggregationType>
            <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
               gs1ElementString="(7040)5f9_(417)1234567890128"/>
            <fit:comment>3.2.1 Application of aggregated level UIs on units to
carton</fit:comment>
         </AggregationEvent>

      </EventList>
   </EPCISBody>
</epcis:EPCISDocument>
```

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">

   <EPCISBody>
      <EventList>


         <!-- 3.2.2 -->
         <AggregationEvent>
            <eventTime>2018-12-03T11:11:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <!-- added UUID -->
            <baseExtension>
               <eventID>urn:uuid:a1c9d58c-b7af-4f9e-9dbb-e5d88bf32ce2</eventID>
            </baseExtension>
            <parentID>urn:epc:id:sgtin:1234567.055555.5678901234</parentID>
            <childEPCs>
               <epc>urn:epc:id:sgtin:1234567.012345.9876543210</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.8765432109</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.7654321098</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.6543210987</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.5432109876</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.4321098765</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.3210987654</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.2109876543</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.1098765432</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.1987654321</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.1234567890</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.2345678901</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.3456789012</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.4567890123</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.5678901234</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.6789012345</epc>
               <epc>urn:epc:id:sgtin:1234567.012345.7890123456</epc>
```

```
            <epc>urn:epc:id:sgtin:1234567.012345.8901234567</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.9012345678</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.1123456789</epc>
         </childEPCs>
         <action>ADD</action>
         <bizStep>urn:epcglobal:cbv:bizstep:packing</bizStep>
         <disposition>urn:epcglobal:cbv:disp:in_progress</disposition>
         <readPoint>
            <id>urn:epc:id:sgln:1234567.54321.0</id>
            <fit:fid>(7040)5v9_(414)1234567543215</fit:fid>
         </readPoint>
         <fit:messageType>3-2</fit:messageType>
         <fit:aggregationType>2</fit:aggregationType>
         <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
            gs1ElementString="(7040)5v9_(417)1234567890128"/>
         <fit:comment>3.2.2 Application of aggregated level UIs on cartons to
            case</fit:comment>
      </AggregationEvent>

   </EventList>
</EPCISBody>
</epcis:EPCISDocument>
```

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">

   <EPCISBody>
      <EventList>


         <!-- 3.2.3 -->
         <AggregationEvent>
            <eventTime>2018-12-04T12:12:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <!-- added UUID -->
            <baseExtension>
               <eventID>urn:uuid:6e6f0345-f1cb-460e-adf8-33db2a3844a4</eventID>
            </baseExtension>
            <parentID>urn:epc:id:sscc:1234567.0123456789</parentID>
            <childEPCs>
               <epc>urn:epc:id:sgtin:1234567.055555.5678901234</epc>
               <epc>urn:epc:id:sgtin:1234567.055555.6789012345</epc>
               <epc>urn:epc:id:sgtin:1234567.055555.7890123456</epc>
               <epc>urn:epc:id:sgtin:1234567.055555.8901234567</epc>
            </childEPCs>
            <action>ADD</action>
            <bizStep>urn:epcglobal:cbv:bizstep:packing</bizStep>
            <disposition>urn:epcglobal:cbv:disp:in_progress</disposition>
            <readPoint>
               <id>urn:epc:id:sgln:1234567.54321.0</id>
               <fit:fid>(7040)5v9_(414)1234567543215</fit:fid>
            </readPoint>
            <fit:messageType>3-2</fit:messageType>
            <fit:aggregationType>2</fit:aggregationType>
```

```
            <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
               gs1ElementString="(7040)5f9_(417)1234567890128"/>
            <fit:comment>3.2.3 Application of aggregated level UIs on case to logistics
               unit</fit:comment>
         </AggregationEvent>

      </EventList>
   </EPCISBody>
</epcis:EPCISDocument>
```

3.6.4 EPCIS - EDP – (3.3) Dispatch of tobacco products from a facility

3.6.4.1 Description

Message 3.3, "Dispatch of tobacco products from a facility", is captured in an EPCIS Object Event with business step Shipping, as follows.

3.6.4.2 Description of the fields

EPCIS EDP - Dispatch of tobacco products from a facility event	
Field	**Values**
<ObjectEvent>	*nested*
<eventTime>	Reference: Event_Time
<eventTimeZoneOffset>	Time zone offset from UTC in effect at the time and place the event occurred.
<baseExtension>	"<eventID>" tag containing a UUID that must be generated by the sender and will be used as the recallCode for the message. Example: <eventID>urn:uuid:d24aa483-94b5-4c65-ac3f-8b908ff61647</eventID>
<action>	OBSERVE
<epcList>	EPCs, in SGTIN/SSCC EPC UI or UPUI EPC URI Example: <epc>urn:epc:id:upui:1234567.054321.5vY)%3C%26Jp3*j7</epc> <epc>urn:epc:id:sgtin:1234567.012345.9876543210</epc> <epc>urn:epc:id:sscc:1234567.0123456789</epc>
<readPoint>	GLN identifying the facility, <id> expressed as SGLN EPC URI, qualified by <fit:fid> extension to the readPoint,

EPCIS EDP - Dispatch of tobacco products from a facility event	
Field	**Values**
	linking the SGLN of the readPoint to the Facility Identifier code, represented by the concatenated GS1 element strings AI(7040) and AI (414), where AI (414) corresponds to the first two segments of the readPoint's SGLN EPC URI, for example: <fit:fid>(7040)5f(414)1234567890128 </fit:fid> <readPoint> <id>urn:epc:id:sgln:1234567.89012.0< /id>
<bizStep>	urn:epcglobal:cbv:bizstep:shipping
<disposition>	urn:epcglobal:cbv:disp:in_transit
<fit:messageType>	3-3
<fit:uiType>	Reference: UI_Type
<fit:eoid>	Concatenation of GS1 element strings AI(7040) and AI (417), UIM and GLN representing Economic Operator identifier code of submitting entity, <fit:eoid epc="urn:epc:id:pgln:1234567.89012" gs1ElementString="(7040)5f(417)1234 567890128"/>
<fit:destinationID1>	Reference: Destination_ID1
<fit:destinationIDList>	List of <fit:destinationID type="X"> nodes, where X determines if it represents a "Destination_ID2, Destination_ID3 or Destination_ID4". Reference: Destination_ID2, Destination_ID3, Destination_ID4. Example: <fit:destinationID type="2" epc="urn:epc:id:sgln:0614141.00777.0 " gs1ElementString="(7040)5v9_(414)06 14141007776"/>

EPCIS EDP - Dispatch of tobacco products from a facility event	
Field	**Values**
<fit:destinationID5name>	Reference: Destination_ID5_Address_Name
<fit:destinationID5streetAddressOne>	Reference: Destination_ID5_Address_StreetOne
<fit:destinationID5streetAddressTwo>	Reference: Destination_ID5_Address_StreetTwo
<fit:destinationID5city>	Reference: Destination_ID5_Address_City
<fit:destinationID5postalCode>	Reference: Destination_ID5_Address_PostCode
<fit:destinationID5countryCode>	Reference: Destination_ID5_countryCode
<fit:transportMode>	Reference: Transport_mode
<fit:transportVehicle>	Reference: Transport_vehicle
<fit:transportCont2>	Reference: Transport_cont2 Note that Annex II field "transportCont1" (indication if the transport is containerized and uses an individual transport unit code) is rendered superfluous by the inclusion or omission of the "transportCont2" field in the EPCIS event. Inclusion of "transportCont2" implies a "Yes" value for "transportCont1"; omission of "transportCont2" implies a "No" value for "transportCont1".
<fit:transportS1>	Reference: Transport_s1 Note that you have to use "false" instead of "0" and "true" instead of "1"
<fit:transportS2>	Reference: Transport_s2
<fit:emcsARC>	Reference: EMCS_ARC Note that Annex II field "emcs" (Dispatch under the Excise Movement and Control System, EMCS) is rendered superfluous by the inclusion or omission of the "emcsARC" field in the EPCIS event. Inclusion of "emcsARC" implies a "Yes" value for "emcs"; omission of "emcsARC" implies a "No" value for "emcs".
<fit:saadNumber>	Reference: SAAD_number

EPCIS EDP - Dispatch of tobacco products from a facility event	
Field	**Values**
	Note that Annex II field "saad" (Dispatch with a simplified accompanying document, per Commission Regulation EEC No 3649/92) is rendered superfluous by the inclusion or omission of the "transportCont2" field in the EPCIS event. Inclusion of "saadNumber" implies a "Yes" value for "saad"; omission of "saadNumber" implies a "No" value for "saad".
<fit:expDeclarationNumber>	Reference: Exp_DeclarationNumber Note that Annex II field "expDeclaration" (Indication if the Movement Reference Number (MRN) has been issued by the customs office) is rendered superfluous by the inclusion or omission of the "expDeclarationNumber" field in the EPCIS event. Inclusion of "expDeclarationNumber" implies a "Yes" value for "expDeclaration"; omission of "expDeclarationNumber" implies a "No" value for "expDeclaration".
<fit:comment>	Optional free text comments by reporting entity, limited to 1000 characters.

3.6.4.3 Request sample

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">

   <EPCISBody>
      <EventList>


         <!-- 3.3 -->
         <ObjectEvent>
            <eventTime>2018-12-04T13:13:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <!-- added UUID -->
```

```
            <baseExtension>
               <eventID>urn:uuid:dc58edda-c24f-4416-9dc9-a5f41e58b76f</eventID>
            </baseExtension>
            <epcList>
               <epc>urn:epc:id:sscc:1234567.0123456789</epc>
            </epcList>
            <action>OBSERVE</action>
            <bizStep>urn:epcglobal:cbv:bizstep:shipping</bizStep>
            <disposition>urn:epcglobal:cbv:disp:in_transit</disposition>
            <readPoint>
               <id>urn:epc:id:sgln:1234567.54321.0</id>
               <fit:fid>(7040)5v9_(414)1234567543215</fit:fid>
            </readPoint>
            <fit:messageType>3-3</fit:messageType>
            <fit:uiType>2</fit:uiType>
            <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
               gs1ElementString="(7040)5f9_(417)1234567890128"/>
            <fit:destinationID1>2</fit:destinationID1>
            <fit:destinationIDList>
               <fit:destinationID type="2" epc="urn:epc:id:sgln:0614141.00777.0"
                  gs1ElementString="(7040)5v9_(414)0614141007776"/>
            </fit:destinationIDList>
            <fit:destinationID5name>Ramos Tobacco</fit:destinationID5name>
            <fit:destinationID5streetAddressOne>Plaza de Espaga,
               1</fit:destinationID5streetAddressOne>
            <fit:destinationID5streetAddressTwo/>
            <fit:destinationID5city>Mostoles</fit:destinationID5city>
            <fit:destinationID5postalCode>28934</fit:destinationID5postalCode>
            <fit:destinationID5countryCode>ES</fit:destinationID5countryCode>
            <fit:transportMode>3</fit:transportMode>
            <fit:transportVehicle>(E)IXX359</fit:transportVehicle>
            <fit:transportCont2>(00)012345671234567893</fit:transportCont2>
            <fit:transportS1>false</fit:transportS1>
            <fit:transportS2>(00)012345671234567893</fit:transportS2>
            <fit:emcsARC>12ES00000000006107577</fit:emcsARC>
            <fit:saadNumber>3649/92sample</fit:saadNumber>
            <fit:expDeclarationNumber>01ES45671234567893</fit:expDeclarationNumber>
            <fit:comment>3.3 Dispatch of tobacco products from a facility</fit:comment>
         </ObjectEvent>

      </EventList>
   </EPCISBody>
</epcis:EPCISDocument>
```

3.6.5 EPCIS - ERP – (3.4) Arrival of tobacco products at a facility

3.6.5.1 Description

Message 3.4, "Arrival of tobacco products from a facility", is captured in an EPCIS Object Event with business step Receiving, as follows

3.6.5.2 Description of the fields

EPCIS ERP - Reception event	
Field	**Values**
<ObjectEvent>	*nested*
<eventTime>	Reference: Event_Time
<eventTimeZoneOffset>	Time zone offset from UTC in effect at the time and place the event occurred.
<baseExtension>	"<eventID>" tag containing a UUID that must be generated by the sender and will be used as the recallCode for the message. Example: <eventID>urn:uuid:d24aa483-94b5-4c65-ac3f-8b908ff61647</eventID>
<action>	OBSERVE
<epcList>	EPCs, in SGTIN/SSCC EPC UI or UPUI EPC URI Example: <epc>urn:epc:id:upui:1234567.054321.5vY)%3C%26Jp3*j7</epc> <epc>urn:epc:id:sgtin:1234567.012345.9876543210</epc> <epc>urn:epc:id:sscc:1234567.0123456789</epc>
<readPoint>	GLN identifying the facility, <id> expressed as SGLN EPC URI, qualified by <fit:fid> extension to the readPoint, linking the SGLN of the readPoint to the Facility Identifier code, represented by the concatenated GS1 element strings AI(7040) and AI (414), where AI (414) corresponds to the first two segments of the readPoint's SGLN EPC URI, for example: <fit:fid>(7040)5f(414)1234567890128</fit:fid> <readPoint> <id>urn:epc:id:sgln:1234567.89012.0</id>
<bizStep>	urn:epcglobal:cbv:bizstep:receiving
<disposition>	urn:epcglobal:cbv:disp:in_progress
<fit:messageType>	3-4
<fit:uiType>	Reference: UI_Type

EPCIS ERP - Reception event	
Field	**Values**
<fit:eoid>	Concatenation of GS1 element strings AI(7040) and AI (417), UIM and GLN representing Economic Operator identifier code of submitting entity, <fit:eoid epc="urn:epc:id:pgln:1234567.89012" gs1ElementString="(7040)5f(417)1234567890128"/>
<fit:productReturn>	Reference: Product_return Note that you have to use "false" instead of "0" and "true" instead of "1"
<fit:comment>	Optional free text comments by reporting entity, limited to 1000 characters.

3.6.5.3 Request sample

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">
   <EPCISBody>
      <EventList>

         <!-- 3.4 -->
         <ObjectEvent>
            <eventTime>2018-12-05T16:16:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <!-- added UUID -->
            <baseExtension>
               <eventID>urn:uuid:e8f5f311-c7f6-4d3f-ac38-ffb4a8c2f879</eventID>
            </baseExtension>
            <epcList>
               <epc>urn:epc:id:sscc:1234567.0123456789</epc>
            </epcList>
            <action>OBSERVE</action>
            <bizStep>urn:epcglobal:cbv:bizstep:receiving</bizStep>
            <disposition>urn:epcglobal:cbv:disp:in_progress</disposition>
            <readPoint>
               <id>urn:epc:id:sgln:1234567.89012.0</id>
               <fit:fid>(7040)5v9_(414)1234567890128</fit:fid>
            </readPoint>
            <fit:messageType>3-4</fit:messageType>
            <fit:uiType>2</fit:uiType>
            <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
               gs1ElementString="(7040)5f9_(417)1234567890128"/>
```

```
            <fit:productReturn>false</fit:productReturn>
            <fit:comment>3.4 Arrival of tobacco products at a facility</fit:comment>
          </ObjectEvent>

      </EventList>
   </EPCISBody>
</epcis:EPCISDocument>
```

3.6.6 EPCIS - ETL – (3.5) Trans-loading

3.6.6.1 Description

Message 3.5 is captured as an ObjectEvent OBSERVE with a new bizStep added in GS1 CBV 2.3 "transloading".

3.6.6.2 Description of the fields

EPCIS ETL - Trans-loading event	
Field	**Values**
<ObjectEvent>	*nested*
<eventTime>	Reference: Event_Time
<eventTimeZoneOffset>	Time zone offset from UTC in effect at the time and place the event occurred.
<baseExtension>	"<eventID>" tag containing a UUID that must be generated by the sender and will be used as the recallCode for the message. Example: <eventID>urn:uuid:d24aa483-94b5-4c65-ac3f-8b908ff61647</eventID>
<action>	OBSERVE
<epcList>	EPCs, in SGTIN/SSCC EPC UI or UPUI EPC URI Example: <epc>urn:epc:id:upui:1234567.054321.5vY)%3C%26Jp3*j7</epc> <epc>urn:epc:id:sgtin:1234567.012345.9876543210</epc> <epc>urn:epc:id:sscc:1234567.0123456789</epc>
<readPoint>	geoURI identifying the geo-coordinates of unloading
<bizStep>	urn:epcglobal:cbv:bizstep:transloading
<disposition>	urn:epcglobal:cbv:disp:in_transit
<fit:messageType>	3-5

EPCIS ETL - Trans-loading event	
Field	**Values**
<fit:eoid>	Concatenation of GS1 element strings AI(7040) and AI (417), UIM and GLN representing Economic Operator identifier code of submitting entity, <fit:eoid epc="urn:epc:id:pgln:1234567.89012" gs1ElementString="(7040)5f(417)1234 567890128"/>
<fit:uiType>	Reference: UI_Type
<fit:destinationID1>	Reference: Destination_ID1
<fit:destinationIDList>	List of <fit:destinationID type=”X”> nodes, where X determines if it represents a “Destination_ID2, Destination_ID3 or Destination_ID4”. Reference: Destination_ID2, Destination_ID3, Destination_ID4. Example: <fit:destinationID type="2" epc="urn:epc:id:sgln:0614141.00777.0 ” gs1ElementString="(7040)5v9_(414)06 14141007776"/>
<fit:destinationID5name>	Reference: Destination_ID5_Address_Name
<fit:destinationID5streetAddressOne>	Reference: Destination_ID5_Address_StreetOne
<fit:destinationID5streetAddressTwo/>	Reference: Destination_ID5_Address_StreetTwo
<fit:destinationID5city>	Reference: Destination_ID5_Address_City
<fit:destinationID5postalCode>	Reference: Destination_ID5_Address_PostCode
<fit:destinationID5countryCode>	Reference: Destination_ID5_countryCode
<fit:transportMode>	Reference: Transport_mode
<fit:transportVehicle>	Reference: Transport_vehicle
<fit:transportCont2>	Reference: Transport_cont2 Note that Annex II field “transportCont1” (indication if the transport is containerized and uses an individual transport unit code) is

EPCIS ETL - Trans-loading event	
Field	**Values**
	rendered superfluous by the inclusion or omission of the "transportCont2" field in the EPCIS event. Inclusion of "transportCont2" implies a "Yes" value for "transportCont1"; omission of "transportCont2" implies a "No" value for "transportCont1".
<fit:emcsARC>	Reference: EMCS_ARC Note that Annex II field "emcs" (Dispatch under the Excise Movement and Control System, EMCS) is rendered superfluous by the inclusion or omission of the "emcsARC" field in the EPCIS event. Inclusion of "emcsARC" implies a "Yes" value for "emcs"; omission of "emcsARC" implies a "No" value for "emcs".
<fit:comment>	Optional free text comments by reporting entity, limited to 1000 characters.

3.6.6.3 Request sample

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">

   <EPCISBody>
      <EventList>

         <!-- 3.5 -->
         <ObjectEvent>
            <eventTime>2018-12-05T15:15:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <!-- added UUID -->
            <baseExtension>
               <eventID>urn:uuid:f924f7d8-dcaa-4e30-b9b5-7154ba329176</eventID>
            </baseExtension>
            <epcList>
               <epc>urn:epc:id:sscc:1234567.0123456789</epc>
            </epcList>
            <action>OBSERVE</action>
            <!-- NEW BUSINESS STEP transloading for CBV 2.0 -->
            <bizStep>urn:epcglobal:cbv:bizstep:transloading</bizStep>
            <disposition>urn:epcglobal:cbv:disp:in_transit</disposition>
            <readPoint>
```

```
            <id>geo:40.45306,3.68835</id>
         </readPoint>
         <fit:messageType>3-5</fit:messageType>
         <fit:uiType>2</fit:uiType>
         <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
            gs1ElementString="(7040)5v9_(417)1234567890128"/>
         <fit:destinationID1>2</fit:destinationID1>
         <fit:destinationIDList>
            <fit:destinationID type="2" epc="urn:epc:id:sgln:0614141.00777.0"
               gs1ElementString="(7040)5v9_(414)0614141007776"/>
            <fit:destinationID type="2" epc="urn:epc:id:sgln:0614141.00778.0"
               gs1ElementString="(7040)5v9_(414)0614141007783"/>
         </fit:destinationIDList>
         <fit:destinationID5name>Ramos Tobacco</fit:destinationID5name>
         <fit:destinationID5streetAddressOne>Plaza de Espaga,
            1</fit:destinationID5streetAddressOne>
         <fit:destinationID5streetAddressTwo/>
         <fit:destinationID5city>Mostoles</fit:destinationID5city>
         <fit:destinationID5postalCode>28934</fit:destinationID5postalCode>
         <fit:destinationID5countryCode>ES</fit:destinationID5countryCode>
         <fit:transportMode>3</fit:transportMode>
         <fit:transportVehicle>(E)IXX359</fit:transportVehicle>
         <fit:transportCont2>(00)012345671234567893</fit:transportCont2>
         <fit:emcsARC>12ES00000000006107577</fit:emcsARC>
         <fit:comment>3.5 Trans-loading</fit:comment>
      </ObjectEvent>

   </EventList>
</EPCISBody>
</epcis:EPCISDocument>
```

3.6.7 EPCIS - EUD – (3.6) Disaggregation of aggregated level UIs

3.6.7.1 Description

Message 3.6, "Disaggregation of aggregated level UIs", is captured in an EPCIS Aggregation Event (action DELETE) with business step Unpacking, as follows.

3.6.7.2 Description of the fields

EPCIS EUD - Message to report an UID disaggregation	
Field	**Values**
<AggregationEvent>	*Nested*
<eventTime>	Reference: Event_Time
<eventTimeZoneOffset>	Time zone offset from UTC in effect at the time and place the event occurred.
<baseExtension>	"<eventID>" tag containing a UUID that must be generated by the sender and will be used as the recallCode for the message. Example:

EPCIS EUD - Message to report an UID disaggregation	
Field	**Values**
	<eventID>urn:uuid:d24aa483-94b5-4c65-ac3f-8b908ff61647</eventID>
<action>	DELETE
<bizStep>	urn:epcglobal:cbv:bizstep:unpacking
<disposition>	urn:epcglobal:cbv:disp:in_progress
<readPoint>	GLN identifying the facility, <id> expressed as SGLN EPC URI, qualified by <fit:fid> extension to the readPoint, linking the SGLN of the readPoint to the Facility Identifier code, represented by the concatenated GS1 element strings AI(7040) and AI (414), where AI (414) corresponds to the first two segments of the readPoint's SGLN EPC URI, for example: <fit:fid>(7040)5f(414)1234567890128</fit:fid> <readPoint> <id>urn:epc:id:sgln:1234567.89012.0</id>
<parentID>	Parent ID, in SGTIN EPC URI or SSCC EPC URI
<fit:messageType>	3-6
<fit:eoid>	Concatenation of GS1 element strings AI(7040) and AI (417), UIM and GLN representing Economic Operator identifier code of submitting entity, <fit:eoid epc="urn:epc:id:pgln:1234567.89012" gs1ElementString="(7040)5f(417)1234567890128"/>
<fit:comment>	Optional free text comments by reporting entity, limited to 1000 characters.

3.6.7.3 Request sample

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">
```

```
   <EPCISBody>
      <EventList>


         <!-- 3.6 -->
         <!-- 3.6.1 -->
         <AggregationEvent>
            <eventTime>2018-12-07T17:17:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <!-- added UUID -->
            <baseExtension>
               <eventID>urn:uuid:ec59466a-66d1-4977-ae71-c39cacc67c5b</eventID>
            </baseExtension>
            <parentID>urn:epc:id:sscc:1234567.0123456789</parentID>
            <action>DELETE</action>
            <bizStep>urn:epcglobal:cbv:bizstep:unpacking</bizStep>
            <disposition>urn:epcglobal:cbv:disp:in_progress</disposition>
            <readPoint>
               <id>urn:epc:id:sgln:1234567.89012.0</id>
               <fit:fid>(7040)5v9_(414)1234567890128</fit:fid>
            </readPoint>
            <fit:messageType>3-6</fit:messageType>
            <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
               gs1ElementString="(7040)5f9_(417)1234567890128"/>
            <fit:comment>3.6.1 Disaggregation of aggregated level UIs from logistics unit to
               case</fit:comment>
         </AggregationEvent>

      </EventList>
   </EPCISBody>
</epcis:EPCISDocument>
```

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">

   <EPCISBody>
      <EventList>


         <!-- 3.6.2 -->
         <AggregationEvent>
            <eventTime>2018-12-07T18:18:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <!-- added UUID -->
            <baseExtension>
               <eventID>urn:uuid:8f63493e-bfb9-4d31-a8b5-7dfe2859e8b1</eventID>
            </baseExtension>
            <parentID>urn:epc:id:sgtin:1234567.055555.5678901234</parentID>
            <!-- child EPCs (below) no longer explicity mentioned in complete disagregaton
            <childEPCs>
               <epc>urn:epc:id:sgtin:1234567.012345.9876543210</epc>
```

```
            <epc>urn:epc:id:sgtin:1234567.012345.8765432109</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.7654321098</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.6543210987</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.5432109876</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.4321098765</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.3210987654</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.2109876543</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.1098765432</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.1987654321</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.1234567890</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.2345678901</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.3456789012</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.4567890123</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.5678901234</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.6789012345</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.7890123456</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.8901234567</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.9012345678</epc>
            <epc>urn:epc:id:sgtin:1234567.012345.1123456789</epc>
         </childEPCs>
         -->
         <childEPCs/>
         <action>DELETE</action>
         <bizStep>urn:epcglobal:cbv:bizstep:unpacking</bizStep>
         <disposition>urn:epcglobal:cbv:disp:in_progress</disposition>
         <readPoint>
            <id>urn:epc:id:sgln:1234567.89012.0</id>
            <fit:fid>(7040)5f9_(414)1234567890128</fit:fid>
         </readPoint>
         <fit:messageType>3-6</fit:messageType>
         <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
            gs1ElementString="(7040)5f9_(417)1234567890128"/>
         <fit:comment>3.6.2 Disaggregation of aggregated level UIs from case to
            carton</fit:comment>
      </AggregationEvent>
   </EventList>
</EPCISBody>
</epcis:EPCISDocument>
```

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">

   <EPCISBody>
      <EventList>


         <!-- 3.6.3 -->
         <AggregationEvent>
            <eventTime>2018-12-07T19:19:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <!-- added UUID -->
            <baseExtension>
               <eventID>urn:uuid:42c6d3bd-f9e5-4145-b3c3-94c7c4b1490b</eventID>
            </baseExtension>
```

```
            <parentID>urn:epc:id:sgtin:1234567.012345.9876543210</parentID>
            <!-- child EPCs (below) no longer explicity mentioned in complete disagregaton
            <childEPCs>
               <epc>urn:epc:id:upui:1234567.054321.5vY)%3C%26Jp3*j7</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vPxbrJk3th5</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vs*)%3Ek85Jp3*j7</epc>
               <epc>urn:epc:id:upui:1234567.054321.5v8rntU1;00U%3F</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vB102bte175th</epc>
               <epc>urn:epc:id:upui:1234567.054321.5v4CDrco52241BRd</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vittJekPgalpH</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vaC1000FyakK</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vgpuT4aHtd</epc>
               <epc>urn:epc:id:upui:1234567.054321.5vrLbDflilwiF</epc>
            </childEPCs>
            -->
            <childEPCs/>
            <action>DELETE</action>
            <bizStep>urn:epcglobal:cbv:bizstep:unpacking</bizStep>
            <disposition>urn:epcglobal:cbv:disp:in_progress</disposition>
            <readPoint>
               <id>urn:epc:id:sgln:1234567.89012.0</id>
               <fit:fid>(7040)5v9_(414)1234567890128</fit:fid>
            </readPoint>
            <fit:messageType>3-6</fit:messageType>
            <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
               gs1ElementString="(7040)5f9_(417)1234567890128"/>
            <fit:comment>3.6.3 Disaggregation of aggregated level UIs from carton to
               units</fit:comment>
         </AggregationEvent>

      </EventList>
   </EPCISBody>
</epcis:EPCISDocument>
```

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

3.6.8.1 Description

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

3.6.8.2 Description of the fields

EPCIS EVR - Report the delivery carried out with a vending van to retail outlet	
Field	**Values**
<ObjectEvent>	*Nested*
<eventTime>	Reference: Event_Time
<eventTimeZoneOffset>	Time zone offset from UTC in effect at the time and place the event occurred.
<baseExtension>	"<eventID>" tag containing a UUID that must be generated by the sender and

EPCIS EVR - Report the delivery carried out with a vending van to retail outlet	
Field	**Values**
	will be used as the recallCode for the message. Example: <eventID>urn:uuid:d24aa483-94b5-4c65-ac3f-8b908ff61647</eventID>
<action>	OBSERVE
<bizStep>	urn:epcglobal:cbv:bizstep:receiving
<disposition>	urn:epcglobal:cbv:disp:in_progress
<readPoint>	GLN identifying the facility, <id> expressed as SGLN EPC URI, qualified by <fit:fid> extension to the readPoint, linking the SGLN of the readPoint to the Facility Identifier code, represented by the concatenated GS1 element strings AI(7040) and AI (414), where AI (414) corresponds to the first two segments of the readPoint's SGLN EPC URI, for example: <fit:fid>(7040)5f(414)1234567890128</fit:fid> <readPoint> <id>urn:epc:id:sgln:1234567.89012.0</id>
<epcList>	EPCs, in SGTIN/SSCC EPC UI or UPUI EPC URI Example: <epc>urn:epc:id:upui:1234567.054321.5vY)%3C%26Jp3*j7</epc> <epc>urn:epc:id:sgtin:1234567.012345.9876543210</epc> <epc>urn:epc:id:sscc:1234567.0123456789</epc>
<fit:messageType>	3-7
<fit:eoid>	Concatenation of GS1 element strings AI(7040) and AI (417), UIM and GLN representing Economic Operator identifier code of submitting entity, <fit:eoid epc="urn:epc:id:pgln:1234567.89012"

EPCIS EVR - Report the delivery carried out with a vending van to retail outlet	
Field	**Values**
	gs1ElementString="(7040)5f(417)1234 567890128"/>
<fit:uiType>	Reference: UI_Type
<fit:productReturn>	Reference: Product_return Note that you have to use "false" instead of "0" and "true" instead of "1"
<fit:comment>	Optional free text comments by reporting entity, limited to 1000 characters.

3.6.8.3 Request sample

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">

   <EPCISBody>
      <EventList>


         <!-- 3.7 -->
         <ObjectEvent>
            <eventTime>2018-12-07T20:20:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <!-- added UUID -->
            <baseExtension>
               <eventID>urn:uuid:7acb63af-49ea-42d0-893c-ae6a6c9a657c</eventID>
            </baseExtension>
            <epcList>
               <epc>urn:epc:id:sscc:1234567.0123456789</epc>
            </epcList>
            <action>OBSERVE</action>
            <bizStep>urn:epcglobal:cbv:bizstep:receiving</bizStep>
            <disposition>urn:epcglobal:cbv:disp:in_progress</disposition>
            <readPoint>
               <id>urn:epc:id:sgln:1234567.89012.0</id>
               <fit:fid>(7040)5v9_(414)1234567543215</fit:fid>
            </readPoint>
            <fit:messageType>3-7</fit:messageType>
            <fit:uiType>2</fit:uiType>
            <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
               gs1ElementString="(7040)5f9_(417)1234567890128"/>
            <fit:productReturn>false</fit:productReturn>
            <fit:comment>3.7 Report of delivery carried out with a vending van to a retail
               outlet</fit:comment>
         </ObjectEvent>
      </EventList>
```

```
    </EPCISBody>
</epcis:EPCISDocument>
```

3.7 Reporting transactional events (trade information)

3.7.1 EIV – (4.1) Issuing of the invoice

3.7.1.1 Description.

Added invoice details to a UI.

3.7.1.2 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	
Message_Time_long	Message sending Time	Time(L)	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	Text	S	M, if Invoice_Buyer1 = 0	
Buyer_Address_Name	Buyer's address - Name part of the Address	Text	S	O	
Buyer_Address_StreetOne	Buyer's address - Street part of the Address	Text	S	M, if Invoice_Buyer1 = 0	
Buyer_Address_StreetTwo	Buyer's address - Second Element of the Street part of the Address	Text	S	O	
Buyer_Address_City	Buyer's address - City	Text	S	M, if Invoice_Buyer1 = 0	

Invoice reporting					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Buyer_Address_PostCode	Buyer's address - PostalCode information	Text	S	O	
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_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	

3.7.1.3 Response:

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

Invoice reporting– response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
		Information Response >>			

3.7.1.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "Event_Time": "19032014",
  "Message_Time_Long":"2019-03-20T14:16:45Z",
  "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"
}
```

3.7.1.5 Successful response sample

HTTP Status 202

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

3.7.1.6 Error response sample

Processing errors

HTTP status		

<< Common response code >>		

3.7.2 EPO – (4.2) Issuing of the order number

3.7.2.1 Description

Adds a purchase order event to a UI.

3.7.2.2 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	
Message_Time_long	Message sending Time	Time(L)	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	

3.7.2.3 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

3.7.2.4 Request sample

```
{
```

```
  "EO_ID": "QCUKR+1AB020054",
  "Event_Time": "19032014",
  "Message_Time_Long":"2019-03-20T14:16:45Z",
  "Order_Number": "1234",
  "Order_Date": "2018-08-23T07:32:20.7878086+00:00",
  "UI_Type": 1,
  "upUIs": [ "DANXXXXXXXXXXXX1PR012345678919030110",
"DANXXXXXXXXXXXX1PR012345678919030110" ],
  "aUIs": [ "DANXXXXXXXXXXX10FA00000119030110" ],
  "Order_comment": "Comments",
  "Message_Type": "EPO",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```


3.7.2.5 Successful response sample

HTTP Status 202


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


3.7.2.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.7.3 EPR – (4.3) Receipt of the payment

3.7.3.1 Description

Adds a payment record event to a UI.

3.7.3.2 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	
Message_Time_long	Message sending Time	Time(L)	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	Buyer's address	Text	S	M, if Payment_Payer1= 0	
Payer_Address_Name	Buyer's address - Name part of the Address	Text	S	O	
Payer_Address_StreetOne	Buyer's address - Street part of the Address	Text	S	M, if Payment_Payer1= 0	
Payer_Address_StreetTwo	Payer's address - Second Element of the Street part of the Address	Text	S	O	
Payer_Address_City	Payer's address - City	Text	S	M, if Payment_Payer1= 0	
Payer_Address_PostCode	Payer's address - PostalCode information	Text	S	O	
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

Payment record event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Invoice_Paid	Number of the invoice paid with the payment	Text	S	M, if Payment_Invoice = 1	
UI_Type	Identification of UI types covered by the payment (recorded at the highest level of available aggregation)	Integer	S	M, if Payment_Invoice = 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_Invoice = 0 UI_Type = 1 or 3	
aUIs	List of aggregated level UIs covered by the payment	aUI	M	M, if AND Payment_Invoice = 0 UI_Type = 2 or 3	
Payment_comment	Comments by the reporting entity	Text	S	O	

3.7.3.3 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

3.7.3.4 Request sample

```
{
  "EO_ID": "QCUKR+1AB020054",
  "Event_Time": "19032014",
  "Message_Time_Long":"2019-03-20T14:16:45Z",
  "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": [ "DANXXXXXXXXXXX1PR012345678919030110",
"DANXXXXXXXXXXX2PR012345678919030110" ],
```

```
  "aUIs": [ "DANXXXXXXXXXX10FA00000119030110",
"DANXXXXXXXXXX20FA00000119030110" ],
  "Payment_comment": "Comments",
  "Message_Type": "EPR",
  "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```


3.7.3.5 Successful response sample

HTTP Status 202


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

3.7.3.6 Error response sample

Processing errors

HTTP status		
<< Common response code >>		

3.8 EDI - Reporting transactional events (trade information)

3.8.1 EDI - EIV – (4.1) Issuing of the invoice

3.8.1.1 Description.

Added invoice details to a UI.

Field	Comments	Data Type	Car din-ality	Priority	Values	XML
Message_Type	Identification of message type	Text	S	M	4-1	<invoiceType>INVOICE</invoiceType>
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M		<contentOwner> <gln>4098765000010</gln> <additionalPartyIdentification additionalPartyIdentificationTypeCode="EOID">5v1_4098765000010</additionalPartyIdentification> </contentOwner>
Event_Time	Time of event occurrence	Time(s)	S	M		<creationDateTime>2019-04-11T08:15:00.000-05:00</creationDateTime>
Invoice_Type1	Type of the invoice	Integer	S	M	1 – Original 2 – Correction 3 – Other	Example Invoice A (Original): <documentStatusCode>ORIGINAL</documentStatusCode> <invoiceType>INVOICE</invoiceType> Example Invoice B (Other): <documentStatusCode>ORIGINAL</documentStatusCode>

						<invoiceType>OTHER</invoiceType>
Invoice_Type2	Description of the other type of the invoice	Text	S	M, if Invoice_Type1 = 3		Example Invoice B: (Other): <documentStatusCode>ORIGINAL</documentStatusCode> <invoiceType>OTHER</invoiceType> <invoiceTypeDescription languageCode="en">Description of another type of invoice</invoiceTypeDescription>
Invoice_Number	Number of the invoice	Text	S	M		<entityIdentification>IN19-548</entityIdentification>
Invoice_Date	Date of the invoice	Date	S	M		<creationDateTime>2019-04-11T08:15:00.000-05:00</creationDateTime>
Invoice_Seller	Identity of the seller	EOID	S	M		<additionalPartyIdentification additionalPartyIdentificationTypeCode=”EOID”>5v1_4098765000010</additionalPartyIdentification>
Invoice_Buyer1	Identification if the buyer is located in the EU	Boolean	S	M	0 – No 1 – Yes	<isBuyerBasedInEu>true</isBuyerBasedInEu>
Invoice_Buyer2	Identity of the buyer	EOID	S	M, if Invoice_Buyer1 = 1		<additionalPartyIdentification additionalPartyIdentificationTypeCode=”EOID”>5v1_5412345000013</additionalPartyIdentification>
Buyer_Name	Buyer's registered legal name	Text	S	M, if Invoice_Buyer1 = 0		<organisationDetails> <organisationName>ACME Stores</organisationName> </organisationDetails>
Buyer_Address	Buyer's address – street name, house number, postal code, city	Text	S	M, if Invoice_Buyer1 = 0		<city>Bruxelles</city> <postalCode>1050</postalCode> <streetAddressOne>Avenue Louise 326<streetAddressOne>

						<streetAddressTwo>Ixelles</streetAddressTwo>
Buyer_Country Reg	Buyer's country of registration	Country	S	M, if Invoice_Buyer1 = 0		<countryCode>BE</countryCode>
Buyer_TAX_N	Buyer's tax registration number	Text	S	M, if Invoice_Buyer1 = 0		<dutyFeeTaxRegistrationID> SE556667677001</dutyFeeTaxRegistrationID>
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	<isFirstSellerBasedInEu>false</isFirstSellerBasedInEu>
Product_Items_1	List of TPIDs corresponding to the product items listed on the invoice	TPID	M	M, if First_Seller_EU = 1		<additionalTradeItemIdentification additionalTradeItemIdentificationTypeCode=”TPID”>02565-16-00555</additionalTradeItemIdentification <additionalTradeItemIdentification <additionalTradeItemIdentification additionalTradeItemIdentificationTypeCode=”TPID”>03456-16-00636"</additionalTradeItemIdentification
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		<gtin>01234567543215</gtin> <gtin>01234567890128</gtin>
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		<itemPriceInclusiveAllowancesCharges currencyCode="EUR">10</itemPriceInclusiveAllowancesCharges> <itemPriceInclusiveAllowancesCharges

						currencyCode="EUR">20</itemPriceInclusiveAllowancesCharges>
Invoice_Net	Total net amount of the invoice	Decimal	S	M		<totalTaxBasisAmount currencyCode="EUR">60</totalTaxBasisAmount>
Invoice_Currency	Currency of the invoice	Currency	S	M		<invoiceCurrencyCode>EUR</invoiceCurrencyCode>
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	<euUniqueIDTypeCode>3</euUniqueIDTypeCode>
upUIs	List of unit packet level UIs covered by the invoice	upUI(L)	M	M, if UI_Type = 1 or 3		<unitPacketLevelUniqueIdentifier>5vY)<&Jp3*j701234567543215</unitPacketLevelUniqueIdentifier> <unitPacketLevelUniqueIdentifier>5vPxbrJk3th501234567890128</unitPacketLevelUniqueIdentifier>
aUIs	List of aggregated level UIs covered by the invoice	aUI	M	M, if UI_Type = 2 or 3		<aggregatedLevelUniqueIdentifier>106141412345678908</aggregatedLevelUniqueIdentifier>
Invoice_comment	Comments by the reporting entity	Text	S	O		<note languageCode="en">A comment about this invoice</note>

3.8.1.2 EDI invoiceMessage Example

```
<?xml version="1.0" encoding="UTF-8"?>
<invoice:invoiceMessage xmlns:invoice="urn:gs1:ecom:invoice:xsd:3" xmlns:eanucc="urn:ean.ucc:2"
xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:gs1:ecom:invoice:xsd:3
../Schemas/gs1/ecom/Invoice.xsd">
  <sh:StandardBusinessDocumentHeader>
                <sh:HeaderVersion>1.0</sh:HeaderVersion>
                <sh:Sender>
                        <sh:Identifier Authority="GS1">4098765000010</sh: Identifier/>
                        <sh:ContactInformation>
                                <sh:Contact>John Doe</sh:Contact>
                                <sh:EmailAddress>John_Doe@purchasing.XYZretailer.com</sh:EmailAddress>
                                <sh:FaxNumber>+1-212-555-1213</sh:FaxNumber>
                                <sh:TelephoneNumber>+1-212-555-2122</sh:TelephoneNumber>
                                <sh:ContactTypeIdentifier>Buyer</sh:ContactTypeIdentifier>
```

```
                    </sh:ContactInformation>
                </sh:Sender>
                <sh:Receiver>
                    <sh:Identifier Authority="GS1">5412345000013</ sh: Identifier>
                    <sh:ContactInformation>
                        <sh:Contact>Mary Smith</sh:Contact>
                        <sh:EmailAddress>Mary_Smith@widgets.com</sh:EmailAddress>
                        <sh:FaxNumber>+1-312-555-1214</sh:FaxNumber>
                        <sh:TelephoneNumber>+1-312-555-2125</sh:TelephoneNumber>
                        <sh:ContactTypeIdentifier>Seller</sh:ContactTypeIdentifier>
                    </sh:ContactInformation>
                </sh:Receiver>
                <sh:DocumentIdentification>
                    <sh:Standard>GS1</sh:Standard>
                    <sh:TypeVersion>3.4</sh:TypeVersion>
                    <sh:InstanceIdentifier>100002</sh:InstanceIdentifier>
                    <sh:Type/>
                    <sh:MultipleType>false</sh:MultipleType>
                    <sh:CreationDateAndTime>2006-01-10T12:00:01.000-05:00</sh:CreationDateAndTime>
                </sh:DocumentIdentification>
            </sh:StandardBusinessDocumentHeader>
    <invoice>
        <creationDateTime>2019-04-11T08:15:00.000-05:00</creationDateTime>
        <documentStatusCode>ORIGINAL</documentStatusCode>
        <invoiceIdentification>
            <entityIdentification>IN19-548</entityIdentification>
            <contentOwner>
                <gln>4098765000010</gln>
                 <additionalPartyIdentification
                additionalPartyIdentificationTypeCode=”EOID”>5v1_4098765000010</additionalPartyIdentification>
            </contentOwner>
        </invoiceIdentification>
        <digitalSignature>
                <Signature xmlns="http://www.w3.org/2000/09/xmldsig#"
            xsi:schemaLocation="http://www.w3.org/2000/09/xmldsig# ../Schemas/xmldsig/xmldsig-core-schema.xsd">
                <SignedInfo>
                        <CanonicalizationMethod Algorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315"/>
                        <SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#dsa-sha1"/>
                        <Reference URI="http://example.org">
                        <Transforms>
                            <Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature"/>
                        </Transforms>
                        <DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
                         <DigestValue>K8M/lPbKnuMDsO0Uzuj75lQtzQI=</DigestValue>
                        </Reference>
                </SignedInfo>
                <SignatureValue>DpEylhQoiUKBoKWmYfajXO7LZxiDYgVtUtCNyTgwZgoChzorA2nhkQ==</SignatureValue>
                <KeyInfo>
                        <KeyValue>
                    <DSAKeyValue>
                                <P>
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                        Eb+88zlZoyG8g/wMfDBHTxz+CnowLahnCCTYBp5kt7G8qUobJuvjylwj1st7V9Lsu03iXMXtbiriUjFa5gURa
                        sN8=
                            </P>
                             <Q>
                             kEjAFpCe4lcUOdwphpzf+tBaUds=
                            </Q>
                             <G>
```

```
                    oe14R2OtyKx+s+60O5BRNMOYpIg2TU/f15N3bsDErKOWtKXeNK9FS7dWStreDxo2SSgOonqAd4FuJ/4u
                    va7GgNL4ULIqY7E+mW5iwJ7n/WTELh98mEocsLXkNh24HcH4BZfSCTruuzmCyjdV1KSqX/Eux04HfCWY
                    mdxN3SQ/qqw=
                            </G>
                             <Y>
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                    DOrwZQgJ+/BDWDW8kO9R66o6rdjiSobBi/0c2V1+dkqOgjFmKz395mvCOZGhC7fqAVhHat2EjGPMfgSZ
                    yABa7+1k=
                            </Y>
                 </DSAKeyValue>
                    </KeyValue>
                    <X509Data>
                 <X509Certificate>
                                MIIDbTCCAyygAwIBAgIGAOCdrKxkMAkGByqGSM44BAMwezELMAkGA1UEBhMCSUUxDzAN
                                BgNVBAgTBkR1YmxpbjElMCMGA1UEChMcQmFsdGltb3JlIFRlY2hub2xvZ2llcywgTHRkLjERMA
                                8GA1UECxMIWC9TZWN1cmUxITAfBgNVBAMTGFgvU2VjdXJlIDEwMjQtYml0IERTQSBDQTAe
                                Fw0wMDA3MjcxNzEzMzNaFw0wMTA3MjcxNzEzMjZaMHwxCzAJBgNVBAYTAklFMQ8wDQY
                                DVQQIEwZEdWJsaW4xJTAjBgNVBAoTHEJhbHRpbW9yZSBUZWNobm9sb2dpZXMsIEx0ZC4xE
                                TAPBgNVBAsTCFgvU2VjdXJlMSIwIAYDVQQDExlYL1NlY3VyZSAxMDI0LWJpdCBEU0EgY3J0MII
                                BuDCCASwGByqGSM44BAEwggEfAoGBAKxbaPLj0DOst+BSz5g4eNASyda1awvFXkarroT2eo2
                                DRZELsMZ7v8AryADIbpDwSxRE/GyX/29nn/qKsWWoxG/vPM5WaMhvIP8DHwwR08c/gp6M
                                C2oZwgk2AaeZLexvKlKGybr48pcI9bLe1fS7LtN4lzF7W4q4lIxWuYFEWrDfAhUAkEjAFpCe4lcU
                                Odwphpzf+tBaUdsCgYEAoe14R2OtyKx+s+60O5BRNMOYpIg2TU/f15N3bsDErKOWtKXeNK9F
                                S7dWStreDxo2SSgOonqAd4FuJ/4uva7GgNL4ULIqY7E+mW5iwJ7n/WTELh98mEocsLXkNh24
                                HcH4BZfSCTruuzmCyjdV1KSqX/Eux04HfCWYmdxN3SQ/qqwDgYUAAoGBAKQOTZ2b3Hee+Fk
                                V7jgO2Xwv+y6reHAdDES1rR7m7SaFTmqPYm+a8uK05NK+nXZzrwCBipLbrcyt8prypXktwzq8
                                GUICfvwQ1g1vJDvUeuqOq3Y4kqGwYv9HNldfnZKjoIxZis9/eZrwjmRoQu36gFYR2rdhIxjzH4E
                                mcgAWu/tZozswOTAPBgNVHQ8BAf8EBQMDAIAAMBEGA1UdDgQKBAiA4IML4dndEDATBgN
                                VHSMEDDAKgAiHoMnYnDxZUDAJBgcqhkjOOAQDAzAAMC0CFQCEXa1E2ueJ8WMX5nP1lCcB
                                WhxC2wIUGUCBb6M6Oj3NQAJbnZsdY63rKa0=
                 </X509Certificate>
                </X509Data>
              </KeyInfo>
             </Signature>
          </digitalSignature>
          <invoiceType>INVOICE</invoiceType>

          <invoiceCurrencyCode>EUR</invoiceCurrencyCode>
          <note languageCode="en">A comment about this invoice</note>
          <isBuyerBasedInEu>true</isBuyerBasedInEu>
          <isFirstSellerBasedInEu>false</isFirstSellerBasedInEu>
          <buyer>
             <gln>5412345000013</gln>
                <additionalPartyIdentification
                additionalPartyIdentificationTypeCode=”EOID”>5v1_5412345000013</additionalPartyIdentification>
             <address>
                <city>Bruxelles</city>
                <countryCode>BE</countryCode>
                <postalCode>1050</postalCode>
                <streetAddressOne>Avenue Louise 326<streetAddressOne>
                <streetAddressTwo>Ixelles</streetAddressTwo>
             </address>
             <dutyFeeTaxRegistration>
                <dutyFeeTaxRegistrationID>SE556667677001</dutyFeeTaxRegistrationID>
                   <dutyFeeTaxTypeCode>VAT</dutyFeeTaxTypeCode>
             </dutyFeeTaxRegistration>
             <organisationDetails>
                    <organisationName>ACME Stores</organisationName>
                </organisationDetails>
          </buyer>
          <seller>
```

```
        <gln>4098765000010</gln>
            <additionalPartyIdentification
            additionalPartyIdentificationTypeCode=”EOID”>5v1_4098765000010</additionalPartyIdentification>
    </seller>
    <invoiceTotals>
        <totalInvoiceAmount currencyCode="EUR">71.4</totalInvoiceAmount>
        <totalTaxBasisAmount currencyCode="EUR">60</totalTaxBasisAmount>
        <totalLineAmountInclusiveAllowancesCharges
currencyCode="EUR">60</totalLineAmountInclusiveAllowancesCharges>
        <totalTaxAmount currencyCode="EUR">11.4</totalTaxAmount>
        <taxSubtotal>
          <dutyFeeTaxAmount currencyCode="EUR">11.4</dutyFeeTaxAmount>
          <dutyFeeTaxBasisAmount currencyCode="EUR">60</dutyFeeTaxBasisAmount>
          <dutyFeeTaxCategoryCode>STANDARD_RATE</dutyFeeTaxCategoryCode>
          <dutyFeeTaxPercentage>19.00</dutyFeeTaxPercentage>
          <dutyFeeTaxTypeCode>VALUE_ADDED_TAX</dutyFeeTaxTypeCode>
        </taxSubtotal>
     </invoiceTotals>
     <invoiceLineItem>
            <lineItemNumber>1</lineItemNumber>
            <invoicedQuantity>2</invoicedQuantity>
            <amountInclusiveAllowancesCharges currencyCode="EUR">20</amountInclusiveAllowancesCharges>
            <itemPriceInclusiveAllowancesCharges currencyCode="EUR">10</itemPriceInclusiveAllowancesCharges>
            <transferOfOwnershipDate>2019-04-11</transferOfOwnershipDate>
            <transactionalTradeItem>
                    <gtin>01234567543215</gtin>
                    <additionalTradeItemIdentification additionalTradeItemIdentificationTypeCode=”TPID”> 02565-16-
            00555</additionalTradeItemIdentification
            </transactionalTradeItem>
        <invoiceLineTaxInformation>
                    <dutyFeeTaxAmount currencyCode="EUR">3.8</dutyFeeTaxAmount>
                    <dutyFeeTaxBasisAmount currencyCode="EUR">20</dutyFeeTaxBasisAmount>
                    <dutyFeeTaxCategoryCode>STANDARD_RATE</dutyFeeTaxCategoryCode>
                    <dutyFeeTaxPercentage>19.00</dutyFeeTaxPercentage>
                    <dutyFeeTaxTypeCode>VALUE_ADDED_TAX</dutyFeeTaxTypeCode>
       </invoiceLineTaxInformation>
        <invoiceLineItemInformationAfterTaxes>
                     <amountInclusiveAllowancesCharges
                     currencyCode="EUR">23.8</amountInclusiveAllowancesCharges>
        </invoiceLineItemInformationAfterTaxes>
       <purchaseOrder>
                     <entityIdentification>PO3352</entityIdentification>
                     <creationDateTime>2011-03-11T11:00:00.000-05:00</creationDateTime>
                     <lineItemNumber>1</lineItemNumber>
            </purchaseOrder>
         <euUniqueID>
                    <unitPacketLevelUniqueIdentifier>5vY)<&U7ghj701234567543215</unitPacketLevelUniqueIdentifier
            >
                    <unitPacketLevelUniqueIdentifier>5vY)abU7ghj701234567543215</unitPacketLevelUniqueIdentifier
            >
                    <aggregatedLevelUniqueIdentifier>106141412345678908</aggregatedLevelUniqueIdentifier>
            </euUniqueID>
    </invoiceLineItem>
    <invoiceLineItem>
            <lineItemNumber>2</lineItemNumber>
            <invoicedQuantity>2</invoicedQuantity>
            <amountInclusiveAllowancesCharges currencyCode="EUR">40</amountInclusiveAllowancesCharges>
            <itemPriceInclusiveAllowancesCharges currencyCode="EUR">20</itemPriceInclusiveAllowancesCharges>
            <transferOfOwnershipDate>2019-04-11</transferOfOwnershipDate>
            <transactionalTradeItem>
                    <gtin>01234567890128</gtin>
```

```
                    <additionalTradeItemIdentification additionalTradeItemIdentificationTypeCode=”TPID”>03456-16-
                    00636</additionalTradeItemIdentification
            </transactionalTradeItem>
            <invoiceLineTaxInformation>
                    <dutyFeeTaxAmount currencyCode="EUR">7.6</dutyFeeTaxAmount>
                    <dutyFeeTaxBasisAmount currencyCode="EUR">40</dutyFeeTaxBasisAmount>
                    <dutyFeeTaxCategoryCode>STANDARD_RATE</dutyFeeTaxCategoryCode>
                    <dutyFeeTaxPercentage>19.00</dutyFeeTaxPercentage>
                    <dutyFeeTaxTypeCode>VALUE_ADDED_TAX</dutyFeeTaxTypeCode>
            </invoiceLineTaxInformation>
            <invoiceLineItemInformationAfterTaxes>
                     <amountInclusiveAllowancesCharges
                     currencyCode="EUR">47.6</amountInclusiveAllowancesCharges>
            </invoiceLineItemInformationAfterTaxes>
            <purchaseOrder>
                     <entityIdentification>PO3352</entityIdentification>
                     <creationDateTime>2011-03-11T11:00:00.000-05:00</creationDateTime>
                     <lineItemNumber>2</lineItemNumber>
            </purchaseOrder>
            <euUniqueID>
                     <euUniqueIDTypeCode>3</euUniqueIDTypeCode>
                     <unitPacketLevelUniqueIdentifier>5vPxnb8&n2h501234567890128</unitPacketLevelUniqueIdentifie
            r>
                     <unitPacketLevelUniqueIdentifier>5vPxbrJk3th501234567890128</unitPacketLevelUniqueIdentifier>
                     <aggregatedLevelUniqueIdentifier>10614141234567890 8</aggregatedLevelUniqueIdentifier>
            </euUniqueID>
    </invoiceLineItem>
  </invoice>
</invoice:invoiceMessage>
```

3.8.2 EDI - EPO – (4.2) Issuing of the order number

3.8.2.1 Description

Adds a purchase order event to a UI.

Field	Comments	Data Type	Cardin-ality	Priority	Values	XML
Message_Type	Identification of message type	Text	S	M	4-2	<orderTypeCode>220</orderTypeCode>
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M		<contentOwner> <gln>4098765000010</gln> <additionalPartyIdentification additionalPartyIdentification TypeCode=”EOID”>5v1_4098765000010</additionalPartyIdentification> </contentOwner>

Event_Time	Time of event occurrence	Time(s)	S	M		<creationDateTime>2019-04-11T08:00:00.000-05:00</creationDateTime>
Order_Number	Number of the purchase order	Text	S	M		<entityIdentification>PO3352</entityIdentification>
Order_Date	Date of the purchase order	Date	S	M		<creationDateTime>2019-04-11T08:00:00.000-05:00</creationDateTime>
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	<euUniqueIDTypeCode>3</euUniqueIDTypeCode>
upUIs	List of unit packet level UIs covered by the purchase order	upUI(L)	M	M, if UI_Type = 1 or 3		<unitPacketLevelUniqueIdentifier>5vY)<&Jp3*j701234567543215</unitPacketLevelUniqueIdentifier> <unitPacketLevelUniqueIdentifier>5vPxbrJk3th501234567543215</unitPacketLevelUniqueIdentifier>
aUIs	List of aggregated level UIs covered by the purchase order	aUI	M	M, if UI_Type = 2 or 3		<aggregatedLevelUniqueIdentifier>106141412345678908</aggregatedLevelUniqueIdentifier>
Order_comment	Description of the reason for delayed recording of the purchase order	Text	S	O		<note languageCode="en">Check markings on cases, there was a problem with past orders. This is general information only, not to be processed by your system.</note>

3.8.2.2 EDI orderMessage Example

```
<?xml version="1.0" encoding="UTF-8"?>
<order:orderMessage xmlns:order="urn:gs1:ecom:order:xsd:3"
xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:gs1:ecom:order:xsd:3
../Schemas/gs1/ecom/Order.xsd">
   <sh:StandardBusinessDocumentHeader>
```

```
      <sh:HeaderVersion>1.0</sh:HeaderVersion>
      <sh:Sender>
        <sh:Identifier Authority="GS1">5412345000013</sh:Identifier>
        <sh:ContactInformation>
          <sh:Contact>John Doe</sh:Contact>
          <sh:EmailAddress>John_Doe@purchasing.XYZretailer.com</sh:EmailAddress>
          <sh:FaxNumber>+1-212-555-1213</sh:FaxNumber>
          <sh:TelephoneNumber>+1-212-555-2122</sh:TelephoneNumber>
          <sh:ContactTypeIdentifier>Buyer</sh:ContactTypeIdentifier>
        </sh:ContactInformation>
      </sh:Sender>
      <sh:Receiver>
        <sh:Identifier Authority="GS1">4098765000010</sh:Identifier>
        <sh:ContactInformation>
          <sh:Contact>Mary Smith</sh:Contact>
          <sh:EmailAddress>Mary_Smith@widgets.com</sh:EmailAddress>
          <sh:FaxNumber>+1-312-555-1214</sh:FaxNumber>
          <sh:TelephoneNumber>+1-312-555-2125</sh:TelephoneNumber>
          <sh:ContactTypeIdentifier>Seller</sh:ContactTypeIdentifier>
        </sh:ContactInformation>
      </sh:Receiver>
      <sh:DocumentIdentification>
        <sh:Standard>GS1</sh:Standard>
        <sh:TypeVersion>3.4</sh:TypeVersion>
        <sh:InstanceIdentifier>100002</sh:InstanceIdentifier>
        <sh:Type/>
        <sh:MultipleType>false</sh:MultipleType>
        <sh:CreationDateAndTime>2019-04-11T08:00:01.000-05:00</sh:CreationDateAndTime>
      </sh:DocumentIdentification>
    </sh:StandardBusinessDocumentHeader>
    <order>
      <creationDateTime>2019-04-11T08:00:00.000-05:00</creationDateTime>
      <documentStatusCode>ORIGINAL</documentStatusCode>
      <orderIdentification>
        <entityIdentification>PO3352</entityIdentification>
        <contentOwner>
<gln>5412345000013</gln>
<additionalPartyIdentification
additionalPartyIdentificationTypeCode=”EOID”>5v1_5412345000013</additionalPartyIdentification>
</contentOwner>
      </orderIdentification>
      <orderTypeCode>220</orderTypeCode>
      <isOrderFreeOfExciseTaxDuty>false</isOrderFreeOfExciseTaxDuty>
      <note languageCode="en">Check markings on cases, there was a problem with past orders. This is general
information only, not to be processed by your system.</note>
      <buyer>
        <gln>5412345000013</gln>
      </buyer>
      <seller>
         <gln>4098765000010</gln>
      <seller>
   <orderLogisticalInformation>
        <shipTo>
          <gln>5412345000037</gln>
        </shipTo>
        <orderLogisticalDateInformation>
```

```
<requestedDeliveryDateTime><date>2011-04-11</date></requestedDeliveryDateTime>
        </orderLogisticalDateInformation>
    </orderLogisticalInformation>
    <orderLineItem>
        <lineItemNumber>1</lineItemNumber>
        <requestedQuantity>2</requestedQuantity>
<netPrice currencyCode="EUR">10</netPrice>
        <transactionalTradeItem>
            <gtin>01234567543215</gtin>
        </transactionalTradeItem>
        <euUniqueID>
            <euUniqueIDTypeCode>3</euUniqueIDTypeCode>
<unitPacketLevelUniqueIdentifier>5vY)<&Jp3*j701234567543215</unitPacketLevelUniqueIdentifier>
<unitPacketLevelUniqueIdentifier>5vPxbrJk3th501234567543215</unitPacketLevelUniqueIdentifier>
<aggregatedLevelUniqueIdentifier>1061414123456789O8</aggregatedLevelUniqueIdentifier>
        </euUniqueID>
        <leviedDutyFeeTax>
          <dutyFeeTaxAmount currencyCode="EUR">3.8</dutyFeeTaxAmount>
          <dutyFeeTaxBasisAmount currencyCode="EUR">20</dutyFeeTaxBasisAmount>
          <dutyFeeTaxPercentage>19.00</dutyFeeTaxPercentage>
          <dutyFeeTaxTypeCode>VAT</dutyFeeTaxTypeCode>
       </leviedDutyFeeTax>
      </orderLineItem>
      <orderLineItem>
        <lineItemNumber>2</lineItemNumber>
        <requestedQuantity>2</requestedQuantity>
<netPrice currencyCode="EUR">20</netPrice>
        <transactionalTradeItem>
            <gtin>01234567890128</gtin>
        </transactionalTradeItem>
        <euUniqueID>
            <euUniqueIDTypeCode>3</euUniqueIDTypeCode>
            <euUniqueIDTypeCode>3</euUniqueIDTypeCode>
<unitPacketLevelUniqueIdentifier>5vPxnb8&n2h501234567890128</unitPacketLevelUniqueIdentifier>
<unitPacketLevelUniqueIdentifier>5vPxbrJk3th501234567890128</unitPacketLevelUniqueIdentifier>
<aggregatedLevelUniqueIdentifier>1061414123456789O8</aggregatedLevelUniqueIdentifier>
        </euUniqueID>
        <leviedDutyFeeTax>
          <dutyFeeTaxAmount currencyCode="EUR">7.6</dutyFeeTaxAmount>
          <dutyFeeTaxBasisAmount currencyCode="EUR">40</dutyFeeTaxBasisAmount>
          <dutyFeeTaxPercentage>19.00</dutyFeeTaxPercentage>
          <dutyFeeTaxTypeCode>VAT</dutyFeeTaxTypeCode>
        </leviedDutyFeeTax>
      </orderLineItem>
    </order>
</order:orderMessage>
```

3.8.3 EDI - EPR – (4.3) Receipt of the payment

3.8.3.1 Description

Adds a payment record event to a UI.

Field	Comments	Data Type	Cardi n-ality	Priority	Values	XML
Message_Type	Identification of message type	Text	S	M	4-3	<settlementHandlingTypeCode>REMITTANCE_ONLY</settlementHandlingTypeCode>
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M		<contentOwner><gln>4098765000010</gln><additionalPartyIdentification additionalPartyIdentificationTypeCode=”EOID”>5v1_4098765000010</additionalPartyIdentification></contentOwner>
Event_Time	Time of event occurrence	Time(s)	S	M		<creationDateTime>2019-04-11T08:15:00.000-05:00</creationDateTime>
Payment_Date	Date of the payment receipt	Date	S	M		<creationDateTime>2019-04-11T11:00:00.000-05:00</creationDateTime>
Payment_Type	Type of payment	Integer	S	M	1 – bank transfer 2 – bank card 3 – cash 4 – other	<paymentMethodCode>BANK_GIRO</paymentMethodCode>
Payment_Amount	Amount of the payment	Decimal	S	M		<totalAmountcurrencyCode="EUR">1.99</totalAmount>
Payment_Currency	Currency of the payment	Currency	S	M		<totalAmountcurrencyCode="EUR">1.99</totalAmount>
Payment_Payer1	Identification if the payer is located in the EU	Boolean	S	M	0 – No 1 – Yes	<isPayerBasedInEu>false</isPayerBasedInEu>
Payment_Payer2	Identity of the payer	EOID	S	M, if Payment_Payer1 = 1		<additionalPartyIdentificationadditionalPartyIdentificationTypeCode="EOID">5v1_4098765000010</additionalPartyIdentification>
Payer_Name	Payer's registered legal name	Text	S	M, if Payment		<name>GS1 AISBL</name>

				_Payer1=0		
Payer_Address	Payer's address – street name, house number, postal code and city	Text	S	M, if Payment_Payer1=0		<streetAddressOne>Avenue Louise 326<streetAddressOne><streetAddressTwo>Ixelles</streetAddressTwo><city>Bruxelles</city><postalCode>1050</postalCode>
Payer_CountryReg	Payer's country of registration	Country	S	M, if Payment_Payer1 = 0		<countryCode>BE</countryCode>
Payer_TAX_N	Payer's tax registration number	Text	S	M, if Payment_Payer1 = 0		<dutyFeeTaxRegistrationID>TAX0001</dutyFeeTaxRegistrationID>
Payment_Recipient	Identity of the recipient	EOID	S	M		payee<additionalPartyIdentificationadditionalPartyIdentificationTypeCode="EOID">5v1a_5412345000013</additionalPartyIdentification>
Payment_Invoice	Indication if the payment corresponds to the existing invoice	Boolean	S	M	0 – No 1 – Yes	<isPaymentCorrespondingToExistingInvoice>true</isPaymentCorrespondingToExistingInvoice>
Invoice_Paid	Number of the invoice paid with the payment	Text	S	M, if Payment_Invoice = 1		<entityIdentification>IN11-548</entityIdentification>
UI_Type	Identification of UI types covered by the payment (recorded at the highest level of available aggregation)	Integer	S	M, if Payment_Invoice = 0	1 – only unit packet level UIs 2 – only aggregated level UIs 3 – both unit packet and aggregated level UIs	<euUniqueIDTypeCode>3</euUniqueIDTypeCode>
upUIs	List of unit packet level UIs covered by the payment	upUI(L)	M	M, if Payment_Invoice = 0 and UI_Type = 1 or 3		<unitPacketLevelUniqueIdentifier>5vY)<&Jp3*j701234567543215</unitPacketLevelUniqueIdentifier><unitPacketLevelUniqueIdentifier>5vPxbrJk3th501234567890128</unitPacketLevelUniqueIdentifier>

aUIs	List of aggregated level UIs covered by the payment	aUI	M	M, if Payment_Invoice = 0 and UI_Type = 2 or 3		<aggregatedLevelUniqueIdentifier>106141412345678908</aggregatedLevelUniqueIdentifier>
Payment_comment	Comments by the reporting entity	Text	S	O		<note languageCode="en">A comment or note about this settlement</note>

3.8.3.2 EDI settlementMessage Example

<?xml version="1.0" encoding="UTF-8"?><settlement:settlementMessagexmlns:settlement="urn:gs1:ecom:settlement:xsd:3" xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:gs1:ecom:settlement:xsd:3 ../Schemas/gs1/ecom/Settlement.xsd">
<sh:StandardBusinessDocumentHeader>
<sh:HeaderVersion>1.0</sh:HeaderVersion>
<sh:Sender>
<sh:Identifier Authority="GS1">5412345000013</sh:Identifier>
<sh:ContactInformation>
<sh:Contact>John Doe</sh:Contact>
<sh:EmailAddress>John_Doe@purchasing.XYZretailer.com</sh:EmailAddress>
<sh:FaxNumber>+1-212-555-1213</sh:FaxNumber>
<sh:TelephoneNumber>+1-212-555-2122</sh:TelephoneNumber>
<sh:ContactTypeIdentifier>Buyer</sh:ContactTypeIdentifier>
</sh:ContactInformation>
</sh:Sender>
<sh:Receiver>
<sh:Identifier Authority="GS1">4098765000010</sh:Identifier>
<sh:ContactInformation>
<sh:Contact>Mary Smith</sh:Contact>
<sh:EmailAddress>Mary_Smith@widgets.com</sh:EmailAddress>
<sh:FaxNumber>+1-312-555-1214</sh:FaxNumber>
<sh:TelephoneNumber>+1-312-555-2125</sh:TelephoneNumber>
<sh:ContactTypeIdentifier>Seller</sh:ContactTypeIdentifier>
</sh:ContactInformation>
</sh:Receiver>
<sh:DocumentIdentification>
<sh:Standard>GS1</sh:Standard>
<sh:TypeVersion>3.4</sh:TypeVersion>
<sh:InstanceIdentifier>xyz123456/sh:InstanceIdentifier>

<sh:Type/>
<sh:MultipleType>false</sh:MultipleType>
<sh:CreationDateAndTime>2006-01-10T12:00:01.000-05:00</sh:CreationDateAndTime>
</sh:DocumentIdentification>
</sh:StandardBusinessDocumentHeader>
<settlement>
<creationDateTime>2019-04-11T11:00:00.000-05:00</creationDateTime>
<documentStatusCode>ORIGINAL</documentStatusCode>
<settlementIdentification>
<entityIdentification>SE25709</entityIdentification>
<contentOwner>
<gln>5412345000013</gln>
<additionalPartyIdentificationadditionalPartyIdentificationTypeCode="EOID">5v1_5412345000013</additionalPartyIdentification>
</contentOwner>
</settlementIdentification>

<settlementHandlingTypeCode>REMITTANCE_ONLY</settlementHandlingTypeCode>

<isPayerBasedInEu>false</isPayerBasedInEu>
<note languageCode="en">A comment or note about this settlement</note>
<payer>
<gln>5412345000013</gln>
<additionalPartyIdentificationadditionalPartyIdentificationTypeCode
="EOID">5v1_5412345000013</additionalPartyIdentification>
<address>
<city>Bruxelles</city>
<countryCode>BE</countryCode>
<name>GS1 AISBL</name>
<postalCode>1050</postalCode>
<streetAddressOne>Avenue Louise 326<streetAddressOne>
<streetAddressTwo>Ixelles</streetAddressTwo>
</address>
<dutyFeeTaxRegistration>
<dutyFeeTaxRegistrationID>SE556667677001</dutyFeeTaxRegistrationID>
</dutyFeeTaxRegistration>
</payer>
<payee>
<gln>4098765000010</gln>
<additionalPartyIdentificationadditionalPartyIdentificationTypeCode
="EOID">5v1a4098765000010</additionalPartyIdentification>
<financialInstitutionInformation>
<financialAccount>
<financialAccountNumber>NL62510007547061</financialAccountNumber>
<financialAccountNumberTypeCode>CHECKING_ACCOUNT</financialAccountNumberTypeCo
de>

<financialAccountName>DUTCHBANK</financialAccountName>
</financialAccount>
</financialInstitutionInformation>
</payee>
<paymentMethod>
<paymentMethodCode>BANK_GIRO</paymentMethodCode>
</paymentMethod>
<settlementLineItem>
<lineItemNumber>1</lineItemNumber>
<amountPaidcurrencyCode="EUR">71.4</amountPaid>
<isPaymentCorrespondingToExistingInvoice>true</
isPaymentCorrespondingToExistingInvoice>

<settlementParty>
<gln>5412345000013</gln>
<partyRoleCode>BUYER</partyRoleCode>
</settlementParty>
<invoice>
<entityIdentification>IN19-548</entityIdentification>
<contentOwner>
<gln>4098765000010</gln>
</contentOwner>
<invoiceTypeCode>INVOICE</invoiceTypeCode>
</invoice>
</settlementLineItem>
<settlementLineItem>
<lineItemNumber>1</lineItemNumber>
<amountPaidcurrencyCode="EUR">380</amountPaid>
<originalAmountcurrencyCode="EUR">480</originalAmount>
<settlementParty>
<gln>5412345000174</gln>
<partyRoleCode>STORE</partyRoleCode>
</settlementParty>
<invoice>
<entityIdentification>IN11-549</entityIdentification>
<contentOwner>
<gln>4098765000010</gln>
</contentOwner>
<invoiceTypeCode>INVOICE</invoiceTypeCode>
</invoice>
<euUniqueID>
<euUniqueIDTypeCode>3</euUniqueIDTypeCode>
<unitPacketLevelUniqueIdentifier>5vY)<&Jp3*j701234567543215</unitPacketLevelUniqueIdentifier>
<unitPacketLevelUniqueIdentifier>5vPxbrJk3th501234567890128</unitPacketLevelUniqueIdentifier>
<aggregatedLevelUniqueIdentifier>10614141234567890 8</aggregatedLevelUniqueIdentifier>
</euUniqueID>

</settlementLineItem>
</settlement>
</settlement:settlementMessage>

3.9 Recall

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

3.9.1.1 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)

3.9.1.2 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	
Message_Time_long	Message sending Time	Time(L)	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_Reason 1	Reason for recalling the original message	Integer	S	M	See RecallReasonType
Recall_Reason 2	Description of the reason for recalling the original message	Text	S	M, if Recall_ Reason 1 = 3 (other reason)	
Recall_Reason 3	Any additional explanations on the reason for recalling the original message	Text	S	O	

3.9.1.3 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

3.9.1.4 Request sample

```
{
 "EO_ID":"QCUKR+1AB020054",
 "Recall_CODE":"6854f9a6-a2b2-4c08-8000-0173f3c35567",
 "Message_Time_Long":"2019-03-20T14:16:45Z",
 "RecallReason1":1,
 "RecallReason2":1,
 "RecallReason3":"Comments",
 "Message_Type":"RCL",
 "Code": "873345b2-882f-4064-91f0-90669b46c30a"
}
```

3.9.1.5 Successful response sample

HTTP Status 202

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

3.9.1.6 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.

3.10 EPCIS - Recall

3.10.1 EPCIS - RCL – (5) Recalls of requests, operational messages

3.10.1.1 Description

```
<?xml version="1.0"?>
<epcis:EPCISDocument xmlns:epcis="urn:epcglobal:epcis:xsd:1" schemaVersion="1.2"
   xmlns:fit="https://gs1.org/cbv/fit" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:epcglobal:epcis:xsd:1 EPCglobal-epcis-1_2.xsd"
   creationDate="2019-03-11T16:46:00.000Z">

   <EPCISBody>
      <EventList>

         <!-- ERROR DECLARATION (5 - Recalls of requests, operational and transactional
messages) example follows -->
         <ObjectEvent>
            <eventTime>2018-12-04T13:13:00.000+01:00</eventTime>
            <eventTimeZoneOffset>+01:00</eventTimeZoneOffset>
            <baseExtension>
               <!-- including UUID of original, erroneous event -->
               <eventID>urn:uuid:dc58edda-c24f-4416-9dc9-a5f41e58b76f</eventID>
               <errorDeclaration>
                  <declarationTime>2018-12-07T21:21:00.000+01:00</declarationTime>
                  <reason>urn:epcglobal:cbv:er:did_not_occur</reason>
               </errorDeclaration>
            </baseExtension>
            <epcList>
               <epc>urn:epc:id:sscc:1234567.0123456789</epc>
            </epcList>
            <action>OBSERVE</action>
            <bizStep>urn:epcglobal:cbv:bizstep:shipping</bizStep>
            <disposition>urn:epcglobal:cbv:disp:in_transit</disposition>
            <readPoint>
               <id>urn:epc:id:sgln:1234567.54321.0</id>
               <fit:fid>(7040)5v9_(414)1234567543215</fit:fid>
            </readPoint>
            <fit:messageType>3-3</fit:messageType>
            <fit:uiType>2</fit:uiType>
            <fit:eoid epc="urn:epc:id:pgln:1234567.89012"
gs1ElementString="(7040)5f(417)1234567890128"/>
            <fit:destinationID1>2</fit:destinationID1>
            <fit:destinationIDList>
               <fit:destinationID type="2" epc="urn:epc:id:sgln:0614141.00777.0"
gs1ElementString="(7040)5v9_(414)0614141007776"/>
               <fit:destinationID type="2" epc="urn:epc:id:sgln:0614141.00778.0"
gs1ElementString="(7040)5v9_(414)0614141007783"/>
            </fit:destinationIDList>
            <fit:destinationID5name>Ramos Tobacco</fit:destinationID5name>
            <fit:destinationID5streetAddressOne>Plaza de Espaga,
1</fit:destinationID5streetAddressOne>
            <fit:destinationID5streetAddressTwo/>
            <fit:destinationID5city>Mostoles</fit:destinationID5city>
            <fit:destinationID5postalCode>28934</fit:destinationID5postalCode>
            <fit:destinationID5countryCode>ES</fit:destinationID5countryCode>
            <fit:transportMode>3</fit:transportMode>
            <fit:transportVehicle>(E)IXX359</fit:transportVehicle>
            <fit:transportCont2>(00)012345671234567893</fit:transportCont2>
            <fit:transportS1>false</fit:transportS1>
            <fit:transportS2>(00)012345671234567893</fit:transportS2>
            <fit:emcsARC>12ES00000000006107577</fit:emcsARC>
            <fit:saadNumber>3649/92sample</fit:saadNumber>
```

```
            <fit:expDeclarationNumber>01ES45671234567893</fit:expDeclarationNumber>
            <fit:comment>5 Recalls of requests, operational and transactional
messages</fit:comment>
         </ObjectEvent>
         <!-- end of ERROR DELCARATION example -->
      </EventList>
   </EPCISBody>
</epcis:EPCISDocument>
```

3.11 Flat file and registry file upload initiation service

3.11.1 ULO – Flat file and registry File upload

3.11.1.1 Description

This initial ULO request allows the caller to gain permission and details in order to upload a file.

3.11.1.2 Description of the fields

Flat file initiation – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Message_Type	The identifier of the type of message	Text	S	M	Message_Type = ULO
ID_Issuer	ID Issuer code in line with the issuing agency codes of ISO/IEC 15459	IIID	S	M	
File_Type	The type of the file intended to be uploaded	int	S	M	1– Registry file 2 – Flat file
Callback_Url	The URL on the ID Issuer side that will be called asynchronously	Text	S	O	

3.11.1.3 Response:

Flat file initiation – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Message_Type	The identifier of the type of message	Text	S	M	Message_Type = ULO
Code	Unique identifier of the message. Used for recall too.	Text	S	M	
Upload_Url	The URL that the file should be HTTP put to	Text	S	M	
Error	Indicates the failure of the message reception	Boolean	S	M	0 – No 1- Yes

Flat file initiation – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Errors	Array containing Error_Code, Error_Descr, InternalId	Text	S	M if Error = 1	

3.11.1.4 Request sample

```
{
   "Message_Type": "ULO",
   "ID_Issuer": "IID"
   "File_Type": 1
}
```

3.11.1.5 Successful response sample

HTTP Status 200

```
{
   "Message_Type": "ULO",
   "Upload_Url ": "https://test.s3.eu-west-1.amazonaws.com/9adda342-012c-46e6-b5f9-
18bc73a693d7?X-Amz-Expires=299&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-
Credential=AKIAID6ZB7LZNC6M6BBA/20190218/eu-west-1/s3/aws4_request&X-Amz-
Date=20190218T135040Z&X-Amz-SignedHeaders=host&X-Amz-
Signature=eb4133f0e2f5e283c65d8b169b378ae7b6946570d485e95e976c605ae4d5ed47",
   "Code": "873345b2-882f-4064-91f0-90669b46c30a",
   "Error": false,
   "Errors": null,
   "Checksum": "G6HF5H"
}
```

3.11.2 ULOD – Flat file and registry File callback

3.11.2.1 Description

This ULOD request is a response to the original ULO message

3.11.2.2 Description of the fields

Flat file initiation – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Message_Type	The identifier of the type of message	Text	S	M	Message_Type = ULOD
Code	Unique identifier of the message. Used for recall too.	Text	S	M	
Error	Indicates the failure of the message reception	Boolean	S	M	0 – No 1- Yes
Errors	Array containing Error_Code, Error_Descr, InternalId	Text	S	M if Error = 1	

3.11.2.3 Response:

Flat file initiation – response					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Message_Type	The identifier of the type of message	Text	S	M	Message_Type = ULOD
Code	Unique identifier of the message. Used for recall too.	Text	S	M	
Error	Indicates the failure of the message reception	Boolean	S	M	0 – No 1- Yes
Errors	Array containing Error_Code, Error_Descr, InternalId	Text	S	M if Error = 1	

3.11.2.4 Request sample

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

3.11.2.5 Successful response sample

HTTP Status 200

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

3.11.3 PLO – Partial Flat file and registry transmission

3.11.3.1 Description

This message enables the ID issuer to update the Register and the FlatFile in an incremental manner and in a synchronous way.

3.11.3.2 Description of the fields

Flat file initiation – request					
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
ID_Issuer	The identifier of the economic operator sending the message	IIID	S	M	Note : Checked on token too

Flat file initiation – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
File_Type	The type of the file intended to be uploaded	int	S	M	1– Machines.csv 2 – Facilities.csv 3 - EconomicIdentifiers.csv 4- MachineLookup.csv. 5- ProductLookup.csv 6- RegularExpression.csv
File_Content	Content of the csv file	Text	S	M	

3.11.3.3 Response:

Flat file initiation – response					
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	Unique identifier of the message. Used for recall too.	Text	S	M	
Error	Indicates the failure of the message reception	Boolean	S	M	0 – No 1- Yes
Errors	Array containing Error_Code, Error_Descr, InternalId	Text	S	M if Error = 1	System error catalogue at **Error! Reference source not found.**

3.11.3.4 Request sample

```
{
   "Message_Type": "PLO",
   "ID_Issuer": "IDISSUERCODE",
   "File_Type": 1,
   "File_Content":["CSVVALUE1; CSVVALUE2; CSVVALUE3",
      "CSVVALUE1; CSVVALUE2; CSVVALUE3",
      "CSVVALUE1; CSVVALUE2; CSVVALUE3",
      "CSVVALUE1; CSVVALUE2; CSVVALUE3"]
}
```

3.11.3.5 Successful response sample

HTTP Status 202

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

3.12 Connectivity Test Message

3.12.1 CTM – Connectivity Test Messages

3.12.1.1 Description

The connectivity test message is sent by the Router or Secondary in order to test the connectivity.

3.12.1.2 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 = CTM

3.12.1.3 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 = CTM

3.12.1.4 Request sample

```
{
"Message_Type":"CTM",
"Code": null
}
```

3.12.1.5 Successful response sample

HTTP Status 202

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

3.12.1.6 Error response sample

HTTP status		
<< Common response code >>		

3.13 Competent Authority interface

3.13.1 LUQ – Query Messages

3.13.1.1 Description

Allows to query the API interface

3.13.1.2 Query Type definition

Query Type ID	Description
1	EO Query
2	Facility Query
3	Machine Query
4	Event Query
5	UI query
6	Vehicle Query

3.13.1.3 Description of the fields

Query Message – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = LUQ
Query_UserID	Unique user identifier	Text	S	M	
Query_Type	Query type description	Integer	S	M	
Query_Elements	List of elements	Text	M	M	
Query_Param	Query Parameter, list of key value pair.	Text	M	O	

3.13.1.4 Response

Query Message – response					
	Description	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = LUQ
Query_Result	JSON containing the response	Text	S	M	

3.13.1.5 Query Data Types

3.13.1.5.1 UI Element JSON Object

UI Element JSON Object					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Id	Original UI that is used to perform the search		S	M	
UI_Status	UI identifier State	Integer	S	M	See UniqueIdentifierState
UI_Status_Description		Text	S	M	
Id_Type	Type of UI	Integer	S	M	upUI = 1 , aUI = 2
upUIs	upUI(s)	upUIs	S	M if It_Type = 1	
upUIh	Human readable UI	Text	S	M if It_Type = 1	
upUIL	upUI(L)	upUI(L)	S	M if It_Type = 1	
IIID	ID Issuer that generated the UI	IIID	S	M if It_Type = 1	
EO_ID	Economic operator identifier code of the submitting entity (either EU manufacturer or EU importer)	EOID	S	M if It_Type = 1	
F_ID	Facility identifier code	FID	S	M if It_Type = 1	

M_ID	Machine identifier code	MID	S	O	
P_Type	Type of tobacco product	Integer	S	M if It_Type = 1	See TobaccoProductType
P_OtherType	Description of other type of tobacco product	Text	S	O	
P_CN	Combined Nomenclature (CN) code	Text	S	O	
P_Brand	Brand of tobacco product	Text	S	M if It_Type = 1	
P_weight	Average gross weight of unit packet, including packaging, in grams with 0,1 gram accuracy	Decimal	S	M if It_Type = 1	
TP_ID	The identification number of the product used in the EU-CEG system.	TPID	S	O	
TP_PN	Tobacco product number used in the EU-CEG system	PN	S	O	
Intended_Market	Intended country of retail sale.	Country	S	M if It_Type = 1	
Intended_Route1	Indication if the product is intended to be moved across country boarders with terrestrial transport.	Boolean	S	M if It_Type = 1	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	O	
Import	Indication if the product is imported into the EU	Boolean	S	M if It_Type = 1	0 – No 1 – Yes
P_OtherID	Optional Product ID	Text(20)	S	O	
Event_Aggregations	List of Aggregation	Aggregation Element JSON Object	M	O	
Event_List	List of Event recallcodes allowing the lookup of the different events	Text	M	O	

3.13.1.5.2 Aggregation Element JSON Object

Aggregation Element JSON Object					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
RecallCode	RecallCode of the aggregation event	Text	S	M	
ParentId	Parent Id of the aggregation event	Text	S	M	
Event_UI	The UI that is part of the aggregation	Text	S	M	
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	

3.13.1.5.3 EO Element JSON Object

EO Element JSON Object					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
EOID	Original UI that is used to perform the search	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_StreetOne	Street part of the Address	Text	S	M	
EO_Address_StreetTwo	Second Element of the Street part of the Address	Text	S	O	
EO_Address_City	City	Text	S	M	
EO_Address_PostCode	PostalCode information	Text	S	O	
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	4 – No VAT registration 5 – 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	4 – No SEED number 5 – SEED number exists
EO_ExciseNu mber2	Economic operator's excise number issued by the competent authority for the purpose of identification of persons/premises	SEED	S	M, if EO_Excis eNumber 1 = 1	
OtherEOID_R	Indication if the economic operator has been allocated an identifier by another ID Issuer	Boolean	S	M	4 – No 5 – Yes
OtherEOID_N	Economic operator identifier codes allocated by other ID Issuers	EOID	M	M, if OtherEOI D_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	4 – No 5 – 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	

3.13.1.5.4 Facility Element JSON Object

Facility Element JSON Object					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
F_ID	Facility identifier code	FID	S	M	
EO_ID	Economic operator identifier code	EOID	S	M	
F_Address_StreetOne	Facility's address – Street part of the Address	Text	S	M	
777F_Address_StreetTwo	Facility's address – Second Element of the Street part of the Address	Text	S	O	
F_Address_City	Facility's address – City	Text	S	M	
F_Address_PostCode	Facility's address – PostalCode information	Text	S	O	
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	4 – No 5 – Yes
F_ExciseNum ber1	Indication if the facility has an excise number issued by the competent authority for the purpose of identification of persons/premises	Boolean	S	M	4 – No SEED number 5 – SEED number exists
F_ExciseNum ber2	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	4 – No 5 – 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	

3.13.1.5.5 Machine Element JSON Object

Machine Element JSON Object					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
M_ID	Machine Id	MID	S	M	
EO_ID	Economic operator identifier code	EOID	S	M	
F_ID	Facility identifier code	FID	S	M	
M_Producer	Machine producer	Text	S	M	
M_Model	Machine model	Text	S	M	
M_Number	Machine serial number	Text	S	M	
M_Capacity	Maximum capacity over 24hour production cycle expressed in unit packets	Integer	S	M	

3.13.1.5.6 Event Element JSON Object

Event Element JSON Object					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**

RecallCode	recallCode of the Event	Text	S	M	
Event_Type	Type of the Event	Text	S	M	
Event_Time	Time of event occurrence	Time(s)	S	M	
EO_ID	Economic operator identifier code of the submitting entity	EOID	S	M	
F_ID	Dispatch facility identifier code	FID	S	M	
upUIs	List of unit packet level UIs subject to the dispatch	upUI(L)	M	O	
aUIs	List of aggregated level UIs subject to the dispatch	aUI	M	O	
Available when EDP (3.3 dispatch)					
Destination_ID1	Indication if the destination facility is located on the EU territory and if it is a vending machine (VM)	Integer	S	O	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	O	
Destination_ID3	Destination facility identifier code(s) – possible multiple vending machines	FID	M	O	
Destination_ID4	Destination id facility codes	FID	M	O	
Destination_ID5_Address_StreetOne	Destination facility's full address -	Text	S	O	

	Street part of the Address				
Destination_ID5_Address_StreetTwo	Destination facility's full address - Second Element of the Street part of the Address	Text	S	O	
Destination_ID5_Address_City	Destination facility's full address - City	Text	S	O	
Destination_ID5_Address_PostCode	Destination facility's full address - PostalCode information	Text	S	O	
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	O	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	O	'n/a' is permitted value if Transport_mode = 0 and product movement takes place between adjacent facilities and is delivered manually
Available when Disaggregation Event					
disaUI_comment	Comments by the reporting entity	Text	S	O	
Available when Deactivation Event					
Deact_Reason1	Identification of the reason for deactivation	Integer	S	O	See DeactivationReasonType
Deact_Reason2	Description of other reason	Text	S	O	
Deact_Reason3	Additional description of the reason	Text	S	O	

3.13.1.5.7 Vehicle Element JSON Object

Vehicle Element JSON Object					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Transport_vehicle	Identification of the mode of transport (i.e. number plates, train number, plane/flight number, ship name or other identification)	Text	S	O	'n/a' is permitted value if Transport_mode = 0 and product movement takes place between adjacent facilities and is delivered manually
Event_List	List of Event recallcodes allowing the lookup of the different events	Text	M	O	

3.13.1.6 Description Query_Type 1

3.13.1.6.1 Query_Type 1 request

Query_Type 1 – Query_Elements					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Query_Elements	List of EOID Maximum 20 elements	Text	M	M	

Query_Param is null.

3.13.1.6.2 Query_Type 1 request sample

```
{
   "Message_Type": "LUQ",
   "Query_Elements": ["13PA_5606221025744"],
   "Query_Type" : "1",
   "Query_UserID" : "3rsubbrvk13sojihem2pqo14bn",
   "Code" : "335d0201-3d3b-43d7-a1af-e3fa3b51b3c8"
}
```

3.13.1.6.3 Query_Type 1 Successful response sample

HTTP Status 200

Query_Type 1 – Query_Result

Field	Description	Data Type	Cardinality	Priority	Values
Query_Result	List of found EO elements	EO Element JSON Object	M	M	


```
{
   "Query_Result": [
      {
         "EOID": "13PA_5606221025744",
         "EO_Name1": "JOSE MONTEIRO DA COSTA",
         "EO_Name2": "Livraria Z",
         "EO_Address_StreetOne": "Av. Joaquim Leite de Carvalho, 16",
         "EO_Address_StreetTwo": null,
         "EO_Address_City": null,
         "EO_Address_PostCode": null,
         "EO_CountryReg": 21,
         "EO_Email": "livrariaze@sapo.pt",
         "VAT_R": 0,
         "VAT_N": null,
         "TAX_N": "154984876",
         "EO_ExciseNumber1": 0,
         "EO_ExciseNumber2": null,
         "OtherEOID_R": 0,
         "OtherEOID_N": null,
         "Reg_3RD": 0,
         "Reg_EOID": null,
         "EO_OtherID": null
      }
   ],
   "Message_Type": null,
   "Error": 0,
   "Errors": null,
   "Checksum": null
}
```


3.13.1.7 Description Query_Type 2

3.13.1.7.1 Query_Type 2 request

Query_Type 2 – Query_Elements					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Query_Elements	List of FID Maximum 20 elements	Text	M	M	

Query_Param is null.

3.13.1.7.2 Query_Type 2 request sample


```
{
   "Message_Type": "LUQ",
   "Query_Elements": ["QCBDR<1DE141483857877"],
   "Query_Type" : "2",
```

```
   "Query_UserID" : "3rsubbrvk13sojihem2pqo14bn",
   "Code" : "335d0201-3d3b-43d7-a1af-e3fa3b51b3c8"
}
```


3.13.1.7.3 Query_Type 2 Successful response sample

HTTP Status 200

Query_Type 2 – Query_Result					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Query_Result	List of found Facility elements	Facility Element JSON Object	M	M	


```
{
"Query_Result": [
      {
         "F_ID": "QCBDR<1DE141483857877",
         "EO_ID": "QCBDR<1DE141483857877",
         "F_Address_StreetOne": "Hainsberger Str.,13,92345,Dietfurt",
         "F_Address_StreetTwo": null,
         "F_Address_City": null,
         "F_Address_PostCode": null,
         "F_Country": 10,
         "F_Type": 3,
         "F_Type_Other": null,
         "F_Status": 0,
         "F_ExciseNumber1": 0,
         "F_ExciseNumber2": null,
         "OtherFID_R": 0,
         "OtherFID_N": null,
         "Reg_3RD": 0,
         "Reg_EOID": null,
         "Extensibility": null
      }
   ],
   "Message_Type": null,
   "Error": 0,
   "Errors": null,
   "Checksum": null
}
```


3.13.1.8 Description Query_Type 3

3.13.1.8.1 Query_Type 3 request

Query_Type 3 – Query_Elements					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**

Query_Elements	List of MID Maximum 20 elements	Text	M	M	

Query_Param is null.

3.13.1.8.2 Query_Type 3 request sample


```
{
  "Query_Result": [
     {
        "M_ID": "13PA_5601125PT00-SE-CP-L011",
        "EOID": null,
        "F_ID": "3PA_5606221095686",
        "M_Producer": "GD",
        "M_Model": "GD X3",
        "M_Number": "071335506",
        "M_Capacity": 720000
     }
   ],
   "Message_Type": null,
   "Error": 0,
   "Errors": null,
   "Checksum": null
}
```


3.13.1.8.3 Query_Type 3 Successful response sample

HTTP Status 200

Query_Type 3 – Query_Result					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Query_Result	List of found Machine elements	Machine Element JSON Object	M	M	


```
{
  "Query_Result": [
     {
        "M_ID": "13PA_5601125PT00-SE-CP-L011",
        "EOID": null,
        "F_ID": "3PA_5606221095686",
        "M_Producer": "GD",
        "M_Model": "GD X3",
        "M_Number": "071335506",
        "M_Capacity": 720000
     }
   ],
   "Message_Type": null,
   "Error": 0,
   "Errors": null,
   "Checksum": null
}
```

3.13.1.9 Description Query_Type 4

3.13.1.9.1 Query_Type 4 request

Query_Type 4 – Query_Elements					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Query_Elements	List of event recallcodes Maximum 20 elements	Text	M	M	
Query_Param	Possible request the content of the list of UIs that are part of the Event using the key "ListEventUI" If not present, the default is False.	Text	M	O	[{"ListEventUI":"true"}]

3.13.1.9.2 Query_Type 4 request sample

```
{
"Message_Type":"LUQ"
"Code": null,
"Query_Type": 4,
"Query_Elements": ["873345b2-882f-5064-91f0-90669b46c30a","873345b2-882f-5064-
91f0-40669b46c30a"],
"Query_Param": [{"ListEventUI":"false"}]
}
```

3.13.1.9.3 Query_Type 4 Successful response sample

HTTP Status 200

Query_Type 4 – Query_Result					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Query_Result	List of found Event elements	Event Element JSON Object	M	M	

3.13.1.10 Description Query_Type 5

3.13.1.10.1 Query_Type 5 request

Query_Type 5 – Query_Elements					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Query_Elements	List of UI (aUI, upUI) Maximum 20 elements	Text	M	M	

NOTE: upUI (upUIs, upUIL, upUIh)

3.13.1.10.2 Query_Type 5 request sample

```
{
"Message_Type":"LUQ"
"Code": null,
"Query_Type": 5,
"Query_Elements": ["id1","id2"]
}
```

3.13.1.10.3 Query_Type 5 Successful response sample

HTTP Status 200

Query_Type 5 – Query_Result					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Query_Result	List of found UI elements	UI Element JSON Object	M	M	


```
{
   "Query_Result": [
      {
         "Id": "027405d6-8367-44bc-ad49-dd1d1d766839",
         "UI_Status": 1,
         "UI_Status_Description": null,
         "Id_Type": 1,
         "upUIs": "027405d6-8367-44bc-ad49-dd1d1d766839",
         "upUIh": "027405d6-8367-44bc-ad49-dd1d1d766839",
         "upUIL": "027405d6-8367-44bc-ad49-dd1d1d766839",
         "IIID": null,
         "EO_ID": "13PA_5606221019279",
         "F_ID": null,
         "M_ID": null,
         "P_Type": null,
         "P_OtherType": null,
         "P_CN": null,
         "P_Brand": null,
         "P_weight": 0.0,
         "TP_ID": null,
         "TP_PN": null,
         "Intended_Market": null,
         "Intended_Route1": 0,
```

```
            "Intended_Route2": null,
            "Import": 0,
            "P_OtherID": null,
            "Event_Aggregations": [
                {
                    "RecallCode": "CODE",
                    "ParentId": "AGGREGATION-STAN1",
                    "Event_UI": null,
                    "EO_ID": "Z25Q1H44IB3002078572YSHREJCOL",
                    "F_ID": null,
                    "Event_Time": "2019-06-04T14:22:42.679+00:00",
                    "aUI": null
                },
                {
                    "RecallCode": "fbec47f2-5771-5a29-9d5c-e6ddb4cbca09",
                    "ParentId": "1917-AAE-IFT-upUI-01_aUI",
                    "Event_UI": null,
                    "EO_ID": "I85B2J22DN7823851457TPULHSIDZ",
                    "F_ID": "REGRESSION5860808396MISTRESSE",
                    "Event_Time": "2019-06-26T16:00:00+00:00",
                    "aUI": null
                },
                {
                    "RecallCode": "CODE",
                    "ParentId": "AGGREGATION-STAN1",
                    "Event_UI": null,
                    "EO_ID": "Z25Q1H44IB3002078572YSHREJCO",
                    "F_ID": null,
                    "Event_Time": "2019-06-04T13:58:20.254+00:00",
                    "aUI": null
                }
            ],
            "Event_List": [
                "143dfb19-d2f7-5c11-b384-a8bf3feacc3b",
                "2d836564-b943-502d-9842-ff1d1dda93d1",
                "4ff9c550-0a07-596c-bbfe-3f17bc5c2fde",
                "64a6c11b-4773-530e-aa18-9cec6915cb8e",
                "CODE",
                "CODE",
                "d980a80d-05a1-53b4-812c-033b1338a5b1",
                "d99b6a18-2b59-5877-bf5f-408759b82ee1",
                "fbec47f2-5771-5a29-9d5c-e6ddb4cbca09"
            ]
            }
    ],
    "Message_Type": null,
    "Error": 0,
    "Errors": null,
    "Checksum": null
}
```


3.13.1.11 Description Query_Type 6

3.13.1.11.1 Query_Type 6 request

Query_Type 6 – Query_Elements					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**

Query_Elements	List of Vehicle Number Maximum 1 element1	Text	M	M	

3.13.1.11.2 Query_Type 6 request sample

```
{
"Message_Type":"LUQ"
"Code": null,
"Query_Type": 6,
"Query_Elements": ["PLATENUMBER1"]
}
```

3.13.1.11.3 Query_Type 6 Successful response sample

HTTP Status 200

Query_Type 6 – Query_Result					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
Query_Result	List of found Vehicle elements	Vehicle Element JSON Object	M	M	

3.13.2 LUP – Download Offline flat file

3.13.2.1 Description

Allows download of the generated Offline flat file

3.13.2.2 Description of the fields

Download Offline flat file – request					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = LUP
Filter	Configurable filter to allow partial file download	Text(1025)	S	O	

3.13.2.3 Response:

Download Offline flat file – response					
	Description	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Resp	Block of basic information elements	Component << Basic Information Response >>	S	M	Message_Type = LUP
Binary file download	Zip file download URL	Text	S	M	
Password	The password used to protect the zip file	Text	S	M	

3.13.2.4 Request sample

upUI

```
{
"Message_Type":"LUP"
"Code": "873345b2-882f-4064-91f0-90669b46c30a",
"Filter": {"IdIssuers" : ["id1","id2"]}
}
```

3.13.2.5 Successful response sample

HTTP Status 200

```
Zip file binary download
```

3.14 Manufacturer interface

3.14.1 LDI Lookup Dispatch Interface

3.14.1.1 Context

Provide the manufacturer the ability to check the validity of the final dispatch messages (when the subsequent arrival message is expected to be sent to the router). Ensuring the successful reception of the goods by the distributors.

3.14.1.2 Approach

The Recallcode validation.
The Manufacturer will be able to

- Retreive the **status of the dispatch** on the secondary repository. Allowing the confirmation that the primary has processed the

dispatch message and transmitted it successfully to the Secondary repository.

- Confirm the **arrival status** at the distributor side by "simulating" the arrival process and provide the router response.

3.14.1.3 Response information

The Traceability response to the manufacturer request over the dispatch

3.14.1.3.1 Dispatch status

	Description
0	The recallcode of the dispatch message (3.3) is not present in the Secondary repository
1	The recallcode of the dispatch message (3.3) is present in the Secondary repository and has been successfully processed.

3.14.1.3.2 Arrival status

The system will execute the reception validation controls.
The result of the validation controls will be provided in the arrival status.

3.14.1.4 Daily Limit

The limit per manufacturer is set to 30 000 calls per day.

3.14.1.5 Description of the fields

Application and aggregation envelop event					
Field	**Description**	**Data Type**	**Cardinality**	**Priority**	**Values**
BasicInfo_Req	Block of basic information elements	Component << Basic Information Request >>	S	M	Message_Type = LDI
Message_Time_long	Message sending Time	Time(L)	S	M	
Dispatch_Code	Dispatch RecallCode		S	M	
Dispatch_EOID	EOID		S	M	

3.14.1.6 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 = LDI
Validation_Time	Validation Timestamp		S	M	
Dispatch_Code	Dispatch RecallCode		S	M	
Dispatch_Status			S	M	
Arrival_Status	Response of the simulated arrival related to the dispatch				

3.14.1.7 Request sample

```
{
   "Message_Type": "LDI",
   "Code": null,
   "Dispatch_Code": "873345b2-882f-4064-91f0-90669b46c30a",
   "Dispatch_EOID": "AAAAAAA",
   "Message_Time_Long":"2019-03-20T14:16:45Z"
}
```

3.14.1.8 Successful response sample

HTTP Status 200


```
{
  "Code": "873345b2-882f-4064-91f0-90669b46c30a",
  "Message_Type": "LDI",
  "Dispatch_Code": "873345b2-882f-4064-91f0-90669b46c30a",
  "Validation_Time":"2019-03-20T14:16:45Z",
  "Dispatch_Status": 1,
  "Arrival_Status": {
        "Error": false,
        "Errors": null
  },
  "Error": false,
  "Errors": null,
  "Checksum": "G6HF5H"
}
```


3.14.1.9 Error response sample

HTTP status		
<< Common response code >>		
400	FAILED_VALIDATION	In case the maximum number of requests is reached

4 EU Wide Registry Data Exchange

4.1 Registry

4.1.1 Economic Identifier

Field	Description	Data Type	Priority	Comments
EO_ID	Economic operator's registered ID	EOID	M	
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_Name	Name part of the Address	Text	O	
EO_Address_StreetOne	Street part of the Address	Text	M	
EO_Address_StreetTwo	Second Element of the Street part of the Address	Text	O	
EO_Address_City	City	Text	M	
EO_Address_PostCode	PostalCode information	Text	O	
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 purpose of identification of persons/premises	Boolean	M	– No SEED number – SEED number exists

EO_ExciseNumber2	Economic operator's excise number issued by the competent authority for the purpose of identification of persons/premises	SEED	M	
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	Text	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_Importer_Index	Optional Importer Index	Text(50)	O	
EO_CODE	Economic operator's confirmation code provided in response to the registration of economic operator	EO_CODE	M	
Active	If the EO is active	Boolean	M	
Technical_Owner	The IIID that has the ownership of the record.	IIID	M	

4.1.2 Facility

Field	Description	Data Type	Priority	Comments
EO_ID	Economic operator identifier code	EOID	M	(FK)
F_ID	Facility code from the RFA code issuer call	FID	M	(PK)
F_Address_Name	Name of the address	Text	O	
F_Address_StreetOne	Street part of the Address	Text	M	
F_Address_StreetTwo	Second Element of the Street part of the Address	Text	O	
F_Address_City	City	Text	M	

F_Address_PostCode	PostalCode information	Text	O	
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	
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	
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	Text	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	
Active	If the facility is active	Boolean	M	
Technical_Owner	The IIID that has the ownership of the record.	IIID	M	

4.1.3 Manufacturing machine

Field	Description	Data Type	Priority	Comments
M_ID	Machine identifier received from the RMA request made to the code issuer.	MID	M	(PK)

F_ID	Facility identifier code	FID	M	(FK)
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	
Active	If Machine is active	Boolean	M	
Technical_Owner	The IIID that has the ownership of the record.	IIID	M	

4.2 Flat Files

4.2.1 Flat File type I Format

4.2.1.1 Overview

The Flat File type I format contain the following files.

- ProductLookup
- ManufacturerLookup
- RegularExpression

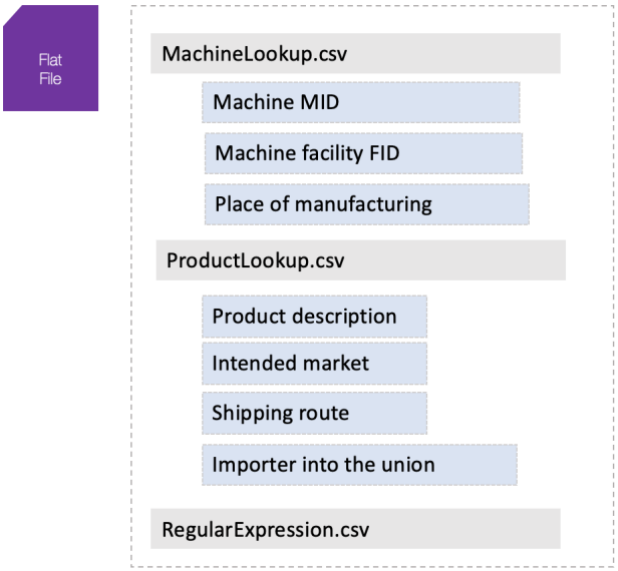

Figure 1 Compact Flat File Structure

4.2.1.2 ProductLookup

Field	Description	Data Type	Priority	Comments
ProductLookupId	The part of the code used for product lookup	Text(20)		
TP_ID	Tobacco product identifier used in the EU-CEG system	TPID		

P_Type	Type of tobacco product	int		
P_OtherType	Description of other type of tobacco product	Text(200)		
P_CN	Combined Nomenclature (CN) code	Text(200)		
TP_PN	Tobacco product number used in the EU-CEG system	PN		
P_Brand	Brand of tobacco product	Text(200)		
P_OtherID	Optional Product ID	Text(20)		
P_weight	Average gross weight of unit packet, including packaging, in grams with 0,1 gram accuracy	Decimal		
Intended_Market	Intended country of retail sale	Country		
Intended_Route1	Indication if the product is intended to be moved across country borders with terrestrial/water/air transport	Boolean		
IntendedShipmentRoute	The first country of terrestrial/water/air transport after the product leaves the Member State of manufacturing or the Member State of importation established on the basis of a check point on the land border, next seaport or next airport respectively	Country		
ImporterIntoEU	Indication if the product is imported into the EU	Boolean		
ImporterEOID	EOID of the importer when applicable	EOID		
Active	If the lookup entry is active	Boolean		

4.2.1.3 ManufacturerLookup

Field	Description	Data Type	Priority	Comments
ManufacturerLookupId	The manufacturer ID	Text(20)		
MID	Machine identifier code	MID		MID can be empty for aUI
FID	Factory identifier code	FID		
Active	If the lookup entry is active	Boolean		

4.2.1.4 RegularExpression (Optional)

Field	Description	Data Type	Comments
RegularExpression	The regular expression using tags to flag potential lookup extracted from code. Tags : TPID / MID / FID / IID	Text	

Short example of a regular expression containing 5 alphanumeric for IID, 3 and 3 alphanumeric for FID & MID, 8 alphamumeric for TPID (might be

the GTIN encoded in 8 symbols), 10 symbols for the "serial number", and 8 digits for the timestamp (note the "?" that makes it optional).
Ex: ^(?<IID>\w{5})(?<FID>\w{3})(?<MID>\w{3})(?<TPID>\w{8}).{10}\d{8}?$

4.2.2 Flat File type II format

4.2.2.1 Flat File type II Algorithm overview

Each ID Issuer should provide software that can convert any upUI that it generated into the set of values for index variables that can be looked up in the following lookup tables

- ProductLookup.csv
- MachineLookup.csv
- FacilityLookup.csv
- ImporterLookup.csv
- TargetMarketLookup.csv
- RouteLookup.csv

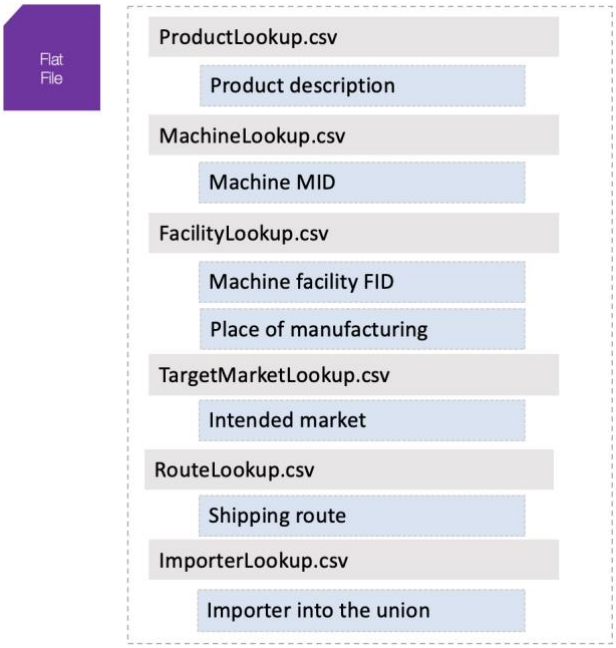

Figure 2 Granular Flat File Structure

4.2.2.2 ProductLookup.csv

Field	Description	Data Type	Priority	Comments
ProductLookupId	The product loockup ID	Text(20)		
TP_ID	Tobacco product identifier used in the EU-CEG system	TPID		
P_Type	Type of tobacco product	int		

P_OtherType	Description of other type of tobacco product	Text(200)		
P_CN	Combined Nomenclature (CN) code	Text(200)		
TP_PN	Tobacco product number used in the EU-CEG system	PN		
P_Brand	Brand of tobacco product	Text(200)		
P_OtherID	Optional Product ID	Text(20)		
P_weight	Average gross weight of unit packet, including packaging, in grams with 0,1 gram accuracy	Decimal		
Active	If the lookup entry is active	Boolean		

4.2.2.3 MachineLookup.csv

Field	Description	Data Type	Priority	Comments
MachineLookupId	The machine lookup ID	Text(20)		
MID	MID of manufacturing machine – for use with Machines.csv registry file	MID		This field might be empty.
FID	FID of manufacturing facility – for use with Machines.csv registry file	MID		
Active	If the lookup entry is active	Boolean		

4.2.2.4 FacilityLookup.csv

Field	Description	Data Type	Priority	Comments
FacilityLookupId	The facility lookup ID	Text(20)		
FID	FID of manufacturing facility – for use with Machines.csv registry file	FID		
Active	If the lookup entry is active	Boolean		

4.2.2.5 ImporterLookup.csv

Field	Description	Data Type	Priority	Comments
ImporterLookupId	The imported lookup ID	Text(20)		
ImporterIntoEU	Indication if the product is imported into the EU	Boolean		
Importer_EOID	EOID of the imported	EOID		
Importer_Index		Text(2)		
Active	If the lookup entry is active	Boolean		

4.2.2.6 TargetMarketLookup.csv

Field	Description	Data Type	Priority	Comments
ImporterLookupId	The imported lookup ID	Text(20)		
Intended_Market	Intended country of retail sale	Country		
Active	If the lookup entry is active	Boolean		

4.2.2.7 RouteLookup.csv

Field	Description	Data Type	Priority	Comments
ImporterLookupId	The imported lookup ID	Text(20)		
IntendedShipmentRoute	The first country of terrestrial/water/air transport after the product leaves the Member State of manufacturing or the Member State of importation established on the basis of a check point on the land border, next seaport or next airport respectively	Country		
Active	If the lookup entry is active	Boolean		

4.3 Offline Flat File Data Exchange

Offline flat files are the output of all the flat files sent by the ID Issuers.

4.3.1 audit.csv

Field	Description	Data Type	Comments
Key	key	Text(50)	
Value	Value	Text(255)	

4.3.2 IdIssuers.csv

Field	Description	Data Type	Comments
Issuer_Prefix	ID issuer's prefix in accordance with ISO15459-2:2015	IIID	
Issuer_Name	The name of the ID issuer	Text(255)	
Issuer_Country	Country for which the id issuer operates for.	Country	
Issuer_FlatfileType	The type of the flat file used by the ID Issuer	Text(1)	1.- flatfile type 1 2.- flatfile type 2

4.3.3 countries.csv
See section 2.6.1

4.3.4 facilitytype.csv
See section 2.6.5

4.3.5 tobaccoproducttype.csv
See section 2.6.11

4.3.6 transportmode.csv
See section 2.6.12

4.3.7 EconomicIdentifiers.csv
See section 4.1.1

4.3.8 Facilities.csv
See section 4.1.2

4.3.9 Machines.csv
See section 4.1.3

4.3.10 Flat File type I

4.3.10.1 ProductLookup.csv
See section 4.2.1.2

4.3.10.2 MachineLookup.csv
See section 4.2.1.3

4.3.10.3 RegularExpression.csv
See section 4.2.1.4

4.3.11 Flat File type II

4.3.11.1 ProductLookup.csv
See section 4.2.2.2

4.3.11.2 MachineLookup.csv
See section 4.2.2.3

4.3.11.3 FacilityLookup.csv
See section 4.2.2.4

4.3.11.4 ImporterLookup.csv
See section 4.2.2.5

4.3.11.5 TargetMarketLookup.csv
See section 4.2.2.6

4.3.11.6 RouteLookup.csv

See section 4.2.2.7

4.3.12 Filename

YYYYMMDD_OFFLINE.zip

5 List of Error Codes

5.1 Security errors

HTTP status	Error Code	
401	INVALID_OR_EXPIRED_TOKEN	Invalid or Expired security token

5.2 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	MIN_LENGTH_FAILED_VALIDATION	Under min length of field.
400	ENTRY_LENGTH_FAILED_VALIDATION	Is not a 2-dimensional array where each row contains the exact number of elements
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.
400	INVALID_EMAIL_FORMAT	When the field is not a valid email address
400	PAYLOAD_NOT_UNIQUE	When the messages have already been processed successfully.
500	SYSTEM_ERROR	Internal system error. This internal error id should be provided to Dentsu support if required

5.3 Validation Warning

HTTP status	Error Code	
299	OPERATION_WITHIN_24_HOURS	Reporting events should be performed within 24 hours of the occurrence of the event.
299	SHIPMENT_WITHIN_24_HOURS	"Within 24 hours prior to the occurrence of the event" rule for dispatch and trans-loading event messages is a rule and the system shall reject non compliant messages. Control is based on the "actual date – Event_Time" time difference
299	UI_SEQUENCE_WARNING	Generic sequence validation warning

5.4 Validation errors

HTTP status	Error Code	
400	CANNOT_ROUTE	Cannot route with this EOID
400	MULTIPLE_UID	Multiple duplicate UI present in the messages
400	UI_NOT_VALID	UI validity – UI has not been part of any EUA nor EPA message.
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.
400	UIS_APPLICATION_ERROR	Application error
400	UI_NOT_EXIST	UI validity – UI has not been part of any IRU message.
400	UI_DEACTIVATED	UI – presence of UI in a message after being deactivated.
400	MULTIPLE_AGGREGATION	Multiple aggregation identified for an aUI.
400	UI_ALREADY_DISAGGREGATED	Validation that an aUI has been disaggregated (or implicitly disaggregated) cannot be part on any product movement prior of being aggregated.
400	LOCATION_MISMATCH	Location (FID) for one or multiple UI during the product movement event do not match with the location of the occurrence of the poproduct movement.
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.
400	EOID_NOT_EXIST_OR_ACTIVE	Check if EOID, exists and is active
400	FID_NOT_EXIST_OR_ACTIVE	Check if FID, exists and is active
400	MID_NOT_EXIST_OR_ACTIVE	Check if MID, exists and is active
400	FID_NOT_RELATED_TO_EOID	Check if EOID FID relation
400	MID_NOT_RELATED_TO_FID	Check if FID MID relation
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
400	CODE_NOT_EXIST	The recall code provided has not been found into the secondary
400	ARRIVAL_NOTALLOWED	Arrival validation control
400	IIID_MISMATCH	For the ULO, PLO technical ownership validation. The IIID of the entity that is requesting the update of the record MUST match the value of the Technical Owner field. If not the validation
400	RECALL_NOT_LAST_EVENT	For requests of unit level or aggregated level UIs including implicitly disaggregated parents, recalls can only be performed in the reverse order events have occurred.
400	UI_SEQUENCE_ERROR	Generic sequence validation error