HM Revenue & Customs

Inventory Linking Exports

Abstract

This document defines the inventory linking processing for a frontier export declaration. It provides the over-arching process and the message content for each of the transactions.

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1.

Introduction

1.1   Scope

s document defines the system behaviour for the Inventory Linking Exports function. All processes are largely triggered from a transaction received from a CSP (Community Systems Provider). The document provides an initial overview, and then describes each of the main transactions.

ere XML (Extensible Mark-up Language) is mentioned in this document, for declaration messages it refers to the new UCC (Union Customs Code) declaration standard to be used by CDS (Customs Declaration System). For inventory linking messages, it refers to the updated XML standard which replaces the current EDIFACT standard used for CHIEF (Customs Handling of Import Export Freight).

s document does not include any definition for how imports will be processed [2], nor does it describe the messages regarding declaration submission, invalidation or amendments (this is described in [1]). As such, any depiction of how to submit declarations, or the trader notifications is for information and to provide context, rather than as a primer for development.

cument does not cover connectivity or the requirements on how to populate the header record, this should be covered in the API specification.

1.2   References

Doc Ref	ID	Document Title	Version	Location
CDS 10	1	CDS End to End Sequence Diagrams	V3.1	Google Drive folder CDS 10 End to End Sequence Diagrams: https://drive.google.com/drive/folders/16ZbrQpfeo4f5X9sJpGEMhPg4kgmf6nOS
CDS 03	2	CDS Declaration Submission – Imports	V1.5	Google Drive folder CDS 03 Customs Declaration: https://drive.google.com/drive/folders/1MnP0iHeZwIL0MeNa-5V_I1AxLgoqKc_c
CDS 01	3	Inventory Linking Export API Specification	n/a	Developer Hub: https://developer.service.hmrc.gov.uk/api-documentation/docs/api/service/customs-inventory-linking-exports/1.0#_inventory-exports-request_post_accordionn
CDS 03	4	Export Declaration Submission Service Design	V1.0	Google Drive folder CDS 03 Customs Declaration: https://drive.google.com/drive/folders/1MnP0iHeZwIL0MeNa-5V_I1AxLgoqKc_c
CDS 06	5	Customs Tariff	n/a	Gov.uk: https://www.gov.uk/government/collections/uk-trade-tariff-volume-3-for-cds
CDS 01	6	Inventory Linking Query API Specification	n/a	The Customs Inventory Linking Exports API can be accessed on Developer Hub: https://developer.service.hmrc.gov.uk/api-documentation/docs/api

1.3 Scope for Inventory Linking

1.3.1 Message Type Description

For Exports, the loaders and other trade community actors interact with CDS to manage events such as:

- the **declaration submission.** CDS can receive declarations via a CSP, or directly from the declarant. Regardless of who submits the declaration, the presence of a DUCR (Declaration Unique Consignment Reference) (with or without a MUCR (Master Unique Consignment Reference)) within the 2/1 data element is needed to support the linking of the consignment reference to the declaration status. These UCR fields need to follow the correct format as defined in the Customs Tariff for 2/1 [5].

Exports follows a different process to Imports, in that a declaration is not immediately linked with a consignment. Rather, the declaration data awaits one or more message from the Loader/CSP and the 'linking' is triggered then.

- the **movement of goods**. CDS will accept a message that relates to the arrival (EAL (Export Arrival at Location)), anticipated arrival (EAA (Export Anticipated Arrival)), or departure (EDL (Export Depart Location)) of goods. These movement transactions can only be carried out by specifically authorised commercial entities designated as 'Loaders'. The response to the loader who submitted the message will depend on the state of the declaration, where it is in its lifecycle, and the Master-Opt value provided in the request. The movement can relate to an individual DUCR, or a master MUCR. The expected responses can be found further on in this document [Section 2.1].

  - Arrivals (EAL) are used by inventory systems to notify customs of the actual arrival of goods at a specific location. This will trigger CDS to re-risk the declaration using the new goods location, and provide a response to the inventory. Each EAL will be treated as a separate process trigger, and therefore will result in multiple separate responses where there are multiple arrivals. These can be differentiated by different movement references, or using the CDS conversation ID.

  - Anticipated Arrivals (EAA) are used by CSPs to understand whether a declaration has been lodged. Customs will respond with the latest risk response for the declaration. The goods location provided in the message is not taken into account.

  - Departures (EDL) are used by inventory systems to notify customs of the exit of the goods from the Customs Union (note, not from the UK only if known). Multiple departures can be received by CDS.

- the **consolidation of consignments**. Used to facilitate trade by only moving one master, rather than multiple declarations. A declaration will each have a 'DUCR', these can be consolidated into 'masters' (MUCRs). These MUCRs can then also be further consolidated into other MUCRs, provided they are shut. The same transaction (EAC (Export Associate Consignment)) can be used to associate, split, and shut consolidations. Consolidations can also be shut using the CST (Consolidation Shut Transaction) transaction. The resulting tree is maintained within CDS. This means that any movement concerning a MUCR applies to all the underlying declarations. For example, when a MUCR is arrived, all the declarations underneath the MUCR (and child MUCRs) will also be arrived. If a DUCR or a MUCR has been consolidated into a tree then the movement must be applied against the top of the consolidation.

- Under the current build any party is able to perform any transaction (as long as they have the correct transaction authorisations i.e. have permission to transact movements/consolidations) regardless of whether the UCR is shut/arrived/any other state to ensure trade facilitation. The only restriction will be if the consignment has departed.

    - the **update of the declaration status**. Following linking, the CDS system will notify CSPs of major state changes to the declaration if there is an existing movement. These notifications are known as EMRs (for MUCRs) and ERS (for DUCRs). The relevant state changes include:

        - Declaration Risked

        - Goods Released

        - Declaration Cleared (if the declaration was not previously released)

        - Invalidation

        - Handle Externally

        - Declaration Rejection at Arrival

        - Declaration Under Amendment

1.3.2 Master Opt Values

Within an arrival or anticipated arrival request, there is the option to select what data is returned in the ensuing responses. This value is known as a 'Master Opt' and it has a variety of options:

- 'A' - each entry known to CDS for consolidation is identified together with its (probable) control type and processing status
- 'F' - as above, plus certain declared data.
- X' - the (probable) control type and processing status is returned for those entries that are not (expected to be) permitted to progress [ProcessingStatus, type =/ 11 or 15]

- 'R' - no consignment details are returned, just the most severe control type and processing status for any consignment in the consolidation is sent
- 'Null' - returns the same as 'A'

2. Export Inventory Linking Design

2.1 Process Flow

2.1.1 Introduction

The below sections describe the CDS responses depending on the scenario and message type submitted. The aim is to provide clarity on the CDS role in the over-arching process, rather than describe the CDS sub-process in detail. Similarly, it does not show the full declaration process, as the message flow in the end to end flows describes the full process.

There are two main functional areas that need to be catered for, the management of consolidations, and the processing of movement requests. The message types have been derived from the previous CHIEF values for ease of understanding.

Type	Description
EAC	Used to manage the consolidation of DUCRs to MUCRs; and MUCRs to MUCRs.
CST	Allows a user to shut a consolidation to allow that MUCR to depart.
EAA	Anticipated arrival allows a CSP to determine when the goods arrive, what probable route will be assigned to the declaration.
EAL	Notifies Customs that the goods are now on hand at a specific location.
EDL	Notifies Customs that the goods have now left a specific location, either to go back inland, or to leave the UK.
ERS	An update from Customs to the CSP to notify of a change to the declaration data which impacts either the route or status of the consignment. This is only sent for DUCRs.
EMR	An update from Customs to the CSP to notify of a change to the consolidation data which impacts the route or status. This is only sent for MUCRs.
UKCTRL	Used as either an acknowledgement where no specific response is required (e.g. following departure), or as an error message if business validation fails upon processing a request.

2.1.2 EAC

2.1.2.1 Description

The MUCR is fundamentally a collection of UCR's combined together to symbolise a single consignment. The EAC message is used to create and maintain the MUCR structure, including the ability to shut it. The way the message is processed is dependent upon which fields are completed, in line with the principle to follow CHIEF functionality as closely as possible:

- Both UCRs are present in the message = Associate the UCR's together
- Only the parent UCR is present = Shut the MUCR
  - Note that if the parent UCR is not found, this will cause an error.
- Only the child UCR is present = Disassociate the UCR from the current Parent.

The status/route (Topic Type/Control Type) of the MUCR is inherited from the child UCR with the most severe route and status. For example, if a declaration within the MUCR has a physical control requirement, then the MUCR has the same routing. This means that following a consolidation, or disassociation, the overall status of the MUCR may change. If attempting to associate a UCR already contained within a MUCR, the UCR will automatically be disassociated. An EMR will be sent to the sender of the EAC transaction upon a successful association, disassociation or shut.

Currently, any individual can associate or disassociate from a MUCR that is in any state (including 'Shut'), except for departed. If a change is attempted on a departed MUCR, an error will be generated. There is currently a decision with Policy as to whether further restrictions are implemented on shut MUCRs to ensure that only the individual that arrived a MUCR can make changes. To be able to consolidate a MUCR into a parent MUCR, the MUCR to be consolidated must be shut.

2.1.2.2 Outcome Matrix

Inventory Message	Scenario	CDS Response
EAC Associate request	Both UCR fields are completed within the request. Both UCR's are known to CDS. The UCR's are moved into the consolidation requested in the message. Note: that if the child UCR was previously part of another consolidation, it will be removed from the old MUCR first, before being re-associated into the new MUCR.	UKCTRL (ack) EMR generated for the new consolidation.
EAC Associate request	Both UCR fields are completed within the request. Only the child UCR is known to CDS. The unknown parent MUCR is created. The child UCR is moved into the new consolidation	UKCTRL (ack) EMR generated for new consolidation

EAC Associate request	Both UCR fields are completed within the request. The child UCR is not known to CDS (or other error scenario). Error is generated.	UKCTRL (nak)
EAC Disassociate request	Only the child UCR field is completed within the request. The child UCR is disassociated from its' current consolidation.	UKCTRL (ack) EMR generated for updated consolidation
EAC Disassociate request	Only the child UCR field is completed within the request. Error scenario identified (see below).	UKCTRL (nak)
EAC Shut request	Only the parent MUCR field is completed within the request. MUCR is known to CDS. The consolidation is shut. (Note that shutting the MUCR may then change the status of the consolidation to 'cleared')	UKCTRL (ack) EMR generated for the consolidation.
EAC Shut request	Only the parent MUCR field is completed within the request. MUCR is not known to CDS (or other error scenario see below)	UKCTRL (nak)

2.1.2.3 Further Error scenarios

Scenario	Outcome
EAC fails syntax check	Message is placed on the backout queue
EAC fails validation - UCR format is invalid (plus when associating parent to-be must be a MUCR)	Error Message with Error Code 01, Action Code 3 is returned
EAC fails validation - UCR format is invalid for the specified type	Error Message with Error Code 08, Action Code 3 is returned
EAC fails validation - action on EAC does not match the Master UCR/UCR fields filled in	Error Message with Error Code 24, Action Code 3 is returned
EAC fails validation - Immediate parent MUCR is already contained within the same consolidation	Error Message with Error Code 05, Action Code 3 is returned
EAC Shut fails validation - MUCR is not the top level UCR	Error Message with Error Code 03, Action Code 3 is returned
EAC "Associate" when parent MUCR does not exist	MUCR is created in an open "O" state
EAC "Associate" when parent MUCR has already been departed	Error Message with Error Code 29, Action Code 3 is returned
EAC "Associate" when DUCR to be consolidated is already associated to given parent MUCR	Error Message with Error Code 11, Action Code 3 is returned
EAC "Associate" when DUCR to be consolidated does not exist	Error Message with Error Code 10, Action Code 3 is returned
EAC "Associate" when DUCR to be consolidated has been cancelled/terminated/handled externally/rejected	Error Message with Error Code 15, Action Code 3 is returned
EAC "Associate" when MUCR to be consolidated does not exist	Error Message with Error Code 06, Action Code 3 is returned

EAC "Associate" when MUCR to be consolidated is already associated to given parent MUCR	Error Message with Error Code 11, Action Code 3 is returned
EAC "Associate" when consolidation being associated to will reach beyond the maximum DUCRs/MUCRs allowable including the requested associations	Error Message with Error Code 17, Action Code 3 is returned
EAC "Associate" when to be consolidated MUCR is not Shut	Error Message with Error Code 04, Action Code 3 is returned
EAC "Associate" when DUCR is already contained within a different consolidation	Acknowledgement is returned EMR Response is returned
EAC "Associate" when MUCR is already contained within a different consolidation	Acknowledgment is returned EMR Response is returned
EAC "Associate" when the top parent MUCR has been previously arrived at least once	Associated UCRs are arrived (multiple times if there is more than one arrival against the MUCR) Acknowledgment is returned EMR Response is returned
EAC "Disassociate" when parent MUCR has already been departed	Error Message with Error Code 29, Action Code 3 is returned
EAC "Disassociate" when the DUCR does not exist	Error Message with Error Code 22, Action Code 3 is returned
EAC "Disassociate" when the MUCR does not exist	Error Message with Error Code 22, Action Code 3 is returned
EAC "Disassociate" when the DUCR is not already associated	Error Message with Error Code 23, Action Code 3 is returned (No error message to be sent when incoming disassociation request is from DMS Events)
EAC "Disassociate" when the MUCR is not already associated	Error Message with Error Code 23, Action Code 3 is returned

2.1.3 CST - Shut

2.1.3.1 Description

The 'shut' transaction has the same functionality as an EAC with just the parent MUCR provided. The reason this is distinct is to allow other actors in the supply chain access to this functionality without providing the full consolidation functionality, provided they have the right authorisation.

2.1.3.2 Outcome Matrix

Inventory Message	Scenario	CDS Response
CST request	MUCR is known to CDS. The consolidation is shut. (Note that shutting the MUCR may then change the status of the consolidation to 'cleared')	UKCTRL (ack) EMR generated for the consolidation.
CST request	MUCR is not known to CDS (or other error scenario see below)	UKCTRL (nak)

2.1.3.3 Further Error scenarios

Scenario	Outcome
CST fails syntax check	Message is placed on the backout queue
CST fails validation check - UCR format is invalid (plus UCR must be a MUCR)	Error Message with Error Code 01, Action Code 3 is returned
CST fails validation check - MUCR is not the top level MUCR	Error Message with Error Code 03, Action Code 3 is returned
CST is for an unknown consolidation	Error Message with Error Code 06, Action Code 3 is returned
CST is for an already shut consolidation	Error Message with Error Code 07, Action Code 3 is returned

2.1.4 EAA - Anticipated Arrival

2.1.4.1 Description

The anticipated arrival function allows an appropriately authorised user to request the probable route of the declaration based on the latest risk assessment. Note that the risk assessment is not re-run, just the latest result is returned.

DUCRs or MUCRs can be submitted within the request. Where the UCR is not found within CDS, a holding response (CRC 101) is returned. Once the MUCR is created, or a declaration with that DUCR is submitted, then a full response is provided to the original submitter of the EAA request. Note the initial ERS response to the EAA request, this is a change to current process.

2.1.4.2 Outcome Matrix

Inventory Message	Scenario	CDS Response
EAA request	UCR is known to CDS. CDS identifies the probable route for the DUCR/MUCR	ERS response containing the assumed route for the DUCR Or EMR containing the assumed route and details for the MUCR
EAA request	DUCR is unknown to CDS. CDS provides a holding response.	EAA response with a CRC of '101'
EAA request	MUCR is unknown to CDS CDS provides a holding response	EAA response with a CRC of '101'
EAA request	Error scenario (see below)	UKCTRL (nak)

2.1.4.3 Further Error scenarios

Scenario	Outcome
EAA fails syntax check	Message is placed on the backout queue
EAA fails validation check - UCR format is invalid	Error Message with Error Code 01, Action Code 3 is returned
EAA fails validation check - UCR format is invalid for the specified type	Error Message with Error Code 08, Action Code 3 is returned
EAA fails validation check - Message has been sent with a future date/time (greater than 25hours in the future)	Error Message with Error Code 20, Action Code 3 is returned
EAA fails validation check - UCR is not at the top of its' consolidation (if applicable)	Error Message with Error Code 03, Action Code 3 is returned
EAA is for a cancelled/terminated/handled externally/rejected declaration	Error Message with Error Code 15, Action Code 2 is returned

2.1.5 EAL - Arrival

2.1.5.1 Description

The arrival transaction is used by loaders to notify the actual arrival of a consignment at a specific location. Arrival can be notified at the DUCR or MUCR level. Similar to EAA, where the UCR is not known, a holder response (CRC 102) is sent back.

The submission of the EAL triggers the re-risking of the related declaration(s). The results of which are passed back in the response to the requestor. Any subsequent update to the declaration status will cause an EMR or ERS to be passed back to the requestor.

Note that if this is a first arrival, the declaration may end up in a re-processing error state. Currently, this means that the declarations will be rejected from CDS, and the trader will need to re-submit. There is a requirement on the backlog to move the declaration to a holding state instead, however this will not be there for go-live. Note the initial ERS response to the EAL request, rather than an EAL response, this is a change to current process.

2.1.5.2 Outcome Matrix

Inventory Message	Scenario	CDS Response
EAL request	DUCR is known to CDS. The declaration is arrived (or re-arrived) Updates are stored against the updated route and status of the declaration	An ERS is provided back to the submitter of the originating request. (for a re-arrival) DMSRCV (plus goods location) is returned for a goods arrived declaration to the declaration submitter.
EAL request	MUCR is known to CDS and 'open' The underlying declarations are arrived (or re-arrived) Updates are stored against the updated route and status of the declarations, and the MUCRs	An EMR is provided back to the submitter, MUCR Topic Type = 0. (for a re-arrival) DMSRCV (plus goods location) is returned for each underlying goods arrived declaration to the declaration submitter.
EAL request	MUCR is known to CDS and 'shut' The underlying declarations are arrived (or re-arrived) Updates are stored against the updated route and status of the declarations, and the MUCRs	An EMR is provided back to the submitter. DMSRCV (plus goods location) is returned for each underlying goods arrived declaration to the declaration submitter.
EAL request	DUCR is not known to CDS	EAL Response with a CRC of '102'
EAL request	MUCR is not known to CDS	EAL Response with a CRC of '102'
EAL request	Error scenario (see below)	UKCTRL (nak)

2.1.5.3 Further Error scenarios

Scenario	Outcome
EAL fails syntax check	Message is placed on the backout queue
EAL fails validation check - UCR format is invalid	Error Message with Error Code 01, Action Code 3 is returned
EAL fails validation check - UCR format is invalid for the specified type	Error Message with Error Code 08, Action Code 3 is returned
EAL fails validation check - UCR is not at the top of its' consolidation	Error Message with Error Code 03, Action Code 3 is returned
EAL fails validation check – Goods Location is invalid	Error Message with Error Code 28, Action Code 3 is returned
EAL fails validation check - Goods Arrival Date/Time is invalid/not included	Error Message with Error Code 18, Action Code 3 is returned
EAL is for a cancelled/terminated/handled externally/rejected declaration	Error Message with Error Code 15, Action Code 2 is returned

2.1.5.4 Rearrival Notifications

For each arrival that is received after the first one (a re-arrival scenario), the submitting declarant will receive a set of additional trader notifications informing them of the progress of the consignment through the 'Office of Exit'.

- DMSRCV – when the arrival message is validated and the arrival processed.
- DMSDOC – when the arrival attracts additional documentary control
- DMSCTL – when physical control is required at that location
- DMSCLE - when the consignment has clearance to depart from that location.

2.1.6 EDL - Departure

2.1.6.1 Description

The departure message (EDL) is used to notify when the goods have either:
- Left the Customs Union or, if the final destination is unknown by the loader, the UK (identified through the presence of transport details); or
- Departed inland, meaning that the goods have returned back into the UK, left the port, and not exited (identified through the absence of transport details).
This message can be used at either the DUCR or MUCR level.

For a MUCR to successfully leave the Customs Union it must be shut. There is no such restriction for a frustration or MUCR departed inland. To depart an UCR there must be a corresponding EAL at the same

location and the last movement received must be at the same location as on the EDL. The UCR (plus if MUCR all underlying DUCRs of which there must be at least one) must have Permission to Progress (P2P). Where the EDL request is successful this will trigger a DMSEOG (Exit of Goods) trader notification to the submitting declarant.

2.1.6.2 Outcome Matrix

Inventory Message	Scenario	CDS Response
EDL request, contains transport details	DUCR known to CDS, and has clearance.	UKCTRL (ack)
EDL request, does not contain transport details	DUCR known to CDS, and has clearance.	UKCTRL (ack)
EDL request, contains transport details	MUCR known to CDS, and all underlying declarations have clearance	UKCTRL (ack)
EDL request, does not contain transport details	MUCR known to CDS, and has clearance.	UKCTRL (ack)

2.1.6.3 Further Error scenarios

Scenario	Outcome
EDL fails syntax check	Message is placed on the backout queue
EDL fails validation check - UCR format is invalid	Error Message with Error Code 01, Action Code 3 is returned
EDL fails validation check - UCR format is invalid for the specified type	Error Message with Error Code 08, Action Code 3 is returned
EDL fails validation check - Goods Departure Date/Time is not included/is invalid	Error Message with Error Code 18, Action Code 3 is returned
EDL fails validation check - UCR is not at the top of its' consolidation	Error Message with Error Code 03, Action Code 3 is returned
EDL is for a DUCR which is cancelled/terminated/handled externally/rejected declaration	Error Message with Error Code 15, Action Code 2 is returned
EDL is for a DUCR with no previous EAL at the same location	Error Message with Error Code 13, Action Code 2 is returned
EDL is for a DUCR where the previous movement is not at the same location	Error Message with Error Code 12, Action Code 2 is returned

EDL is for a DUCR with no associated declaration found with P2P	Error Message with Error Code 14, Action Code 2 is returned
EDL is for a DUCR with an associated direct declaration with P2P and transport details are included	Acknowledgment is returned Exit Message is submitted to DMS (Declaration Management System)
EDL is for an "Open" MUCR and transport details are included	Error Message with Error Code 19, Action Code 2 is returned
EDL is for a MUCR which is empty	Error Message with Error Code 25, Action Code 2 is returned
EDL is for a MUCR with no previous EAL at the same location	Error Message with Error Code 13, Action Code 2 is returned
EDL is for a MUCR where the previous movement is not at the same location	Error Message with Error Code 12, Action Code 2 is returned
EDL is for a MUCR where not all associated declaration(s) found have P2P and some/all are direct declarations which are not TRANS or RoRo, and transport details are included in the request.	Error Message with Error Code 14, Action Code 2 is returned
An error message is returned from CDS following the submission of an exit confirmation	Error Message with Error Code 26, Action Code 3 is returned

2.1.7 Query Consignment

CSPs and Customs have a need to query consignments and consolidations which under CHIEF is enacted through various reports, transactions and requests (predominantly listed in DES222 and USM 235). In order to maintain this functionality in a simplified manner the ILE Query Service has been defined to facilitate the display of details for inventory linked consignments which includes details such as the parent and child(ren) for the entered UCR. The data fields returned are aligned to the LICV List Input Consignment Versions transaction available in CHIEF. The API specification describes the structure and contained elements [6]. When a UCR is entered into the query service from an actor, Inventory Linking will return the following corresponding relationships:

- The immediate parent MUCR
- The UCR under scrutiny
- The immediate children of the UCR

In order to elaborate on the query service in more detail the following sub-sections are split into querying the up the consolidation and subsequently down the consolidation.

2.1.7.1 Upwards
As the request comes in with a given UCR, the Inventory Linking component will return the parent MUCR. This will extend to only one level upwards in the consolidation looking only at the UCRs immediate parent. If there are multiple levels and hence MUCRs above the immediate parent MUCR then the requestor would have to re-query the immediate parent MUCR in order to understand its consolidation hierarchy.
If there is no immediate parent MUCR (i.e. the query was for the top-level MUCR or for an orphan UCR) then the response returned would be null for the upwards structure and would not include a parent.

2.1.7.2 Downwards
As the request comes in with a given UCR, alongside the immediate parent MUCR as mentioned above a maximum of one level down the hierarchy, only the immediate children, would also be returned in the response. A maximum of 1000 child UCRs will be displayed; this will be organised alphanumerically per UCR when the limit has been reached the query will be automatically truncated and this is clearly stated in the response. If there are multiple levels of children beneath the given UCR (i.e. there are additional populated MUCRs) then that UCR would have to be re-queried in order to understand its downward consolidation hierarchy.
If there are no children (i.e. an orphan UCR, a DUCR or an empty MUCR) then the response returned would be null for the downwards structure and would not include any children.

2.1.7.3 Error Conditions

Under the following circumstances (in the given order) errors are returned to the originating system:

Error Code	Description	Notes
1	The format of the given UCR fails validation	DUCR: - First character to be a number

	(Error Code 01, Action Code 3)	● Second and Third character to be alpha (upper case only) ● 16th digit to be a hyphen ● Post the hyphen any character is allowed but any alphas must be upper case MUCR: ● First character to be an alpha character
2	UCR format is invalid for the specified type (Error Code 08, Action Code 3)	● Where UCR Type is M; UCR Format must be a MUCR ● Where UCR Type is D; UCR Format must be a DUCR
3	UCR given in the query request does not exist (Error Code 16, Action Code 3)	

2.2 Message Flow

Message flows can now be found in the End to End Sequence Diagram document [1].

3. Interface Definitions

There are seven main messages that are involved within the Export Inventory Linking solution, not including the declaration itself and any amendments.

1. EAL
2. EAA
3. EDL
4. EAC
5. CST
6. ERS/EMR
7. UKCTRL
8. Query UCR

The below tables describe the elements within each message and how the schemas should be populated for each message. The 'occurs' column describes how many instances of the element can exist in this field, however the schema is a better document to view the structure of the message. The ILE Technical Completion Matrix is also used to define how to populate these fields.

3.1.1 Acceptable UCR Formats

All transactions below require a UCR to be submitted. The following formats are valid:
DUCR
- All alphas used must be upper case
- First character to be a number
- Second and Third character to be alpha (upper case only)
- 16th digit to be a hyphen
- Post the hyphen any character is allowed but any alphas must be upper case
MUCR
- All alphas used must be upper case
- First character to be an alpha character

3.2 Received by CDS

3.2.1 Arrival at a Location - EAL

The below message notifies CDS that the declaration has now arrived and the goods have been presented. This re-triggers the validation of the declaration and allows the process to move to clearance/release.

Data Item	Description	Occurs	Format	Conditions/Notes

Message Code		1..1	a3	
EORI	Unique ID for the trader/requester. Used to authorise the trader to perform the action requested.	0..1	an..17	
Agent Location	This is effectively superseded by the header fields containing the badge and conversation IDs. Currently unused and is a candidate for removal as the data will now be passed in the header fields.	0..1	an..12	
Agent Role	This is effectively superseded by the header fields containing the badge and conversation IDs. Currently unused and is a candidate for removal as the data will now be passed in the header fields.	0..1	an..3	
Goods Arrival DateTime	The date and time (CCYYMMDDHHMM) at which a movement arrived at a location as given by the Inventory System.	0..1	an..35	
Goods Location	This element identifies the location of the goods when notifying the arrival and departure of movements.	1..1	an..17	
Shed Op ID	Identifies the transit shed.	0..1	an..3	As goods location has now changed format to include the shed ID, this data element is not expected to be used.
Master Opt	Determines the level at which entry details are returned as a result of an EAA or EAL for a consolidation and subsequent notification of changes to the control type, customs status, and some declared details of the consignments.	0..1	a1	
Movement Reference	Optionally used to identify a movement of goods at a location controlled by a CSP.	0..1	an..25	
Transport ID	Identifier for the vessel/flight in which the goods will cross the border.	0..1	an..35	
Transport Mode	The actual mode of transport at the border	0..1	an..1	
Transport Nationality	The country code for the nationality of the actual means of transport, when crossing the Union's external frontier.	0..1	a2	

UCR	A unique consignment reference which may identify either a consolidation or a declaration.	1..1	an..35	There is a future requirement to also arrive by MRN.
UCR Type	Defines whether the UCR referenced in the message is a DUCR or MUCR. These values are defined as 'D' or 'M'	1..1	a1	

3.2.2 Anticipated Arrival - EAA

Data Item	Description	Occurs	Format	Conditions/Notes
Message Code		1..1	a3	
EORI	Unique ID for the trader/requester. Used to authorise the trader to perform the action requested.	0..1	an..17	
Agent Location	This is effectively superceded by the header fields containing the badge and conversation IDs. Currently unused and is a candidate for removal as the data will now be passed in the header fields.	0..1	an..12	
Agent Role	This is effectively superceded by the header fields containing the badge and conversation IDs. Currently unused and is a candidate for removal as the data will now be passed in the header fields.	0..1	an..3	
Goods Location	This element identifies the location of the goods when notifying the arrival and departure of movements.	1..1	an..17	
Shed Op ID	Identifies the transit shed.	0..1	an..3	As goods location has now changed format to include the shed ID, this data element is not expected to be used.
Master Opt	Determines the level at which entry details are returned as a result of an EAA or EAL for a consolidation and subsequent notification of changes to the control type, customs status, and some declared details of the consignments.	0..1	a1	
Movement Reference	Optionally used to identify a movement of goods at a location controlled by a CSP.	0..1	an..25	
Transport ID	Identifier for the vessel/flight in which the goods will cross the border.	0..1	an..35	
Transport Mode	The actual mode of transport at the border	0..1	an..1	
Transport Nationality	The country code for the nationality of the actual means of transport, when crossing the Union's external frontier.	0..1	a2	

UCR	A unique consignment reference which may identify either a consolidation or a declaration.	1..1	an..35	There is a future requirement to also anticipate arrival by MRN.
UCR Type	Defines whether the UCR referenced in the message is a DUCR or MUCR. These values are defined as 'D' or 'M'	1..1	a1	

3.2.3 Departure - EDL

Data Item	Description	Occurs	Format	Conditions/Notes
Message Code		1..1	a3	
EORI	Unique ID for the trader/requester. Used to authorise the trader to perform the action requested.	0..1	an..17	
Agent Location	This is effectively superceded by the header fields containing the badge and conversation IDs. Currently unused and is a candidate for removal as the data will now be passed in the header fields.	0..1	an..12	
Agent Role	This is effectively superceded by the header fields containing the badge and conversation IDs. Currently unused and is a candidate for removal as the data will now be passed in the header fields.	0..1	an..3	
Goods Departure Date	The date at which a movement departed from a location as given by the inventory system.	0..1	an..35	EDL can be used to report departure inland (i.e. back into the UK from a port) as well as departure from the UK. For departure from the UK, the departure date and all the transport details must be supplied. If the goods are departed inland these details must not be supplied.
Goods Location	This element identifies the location of the goods when notifying the arrival and departure of movements. For departure from the UK the location is the place of loading.	0..1	an..17	For departure from the UK, the Goods Location is deemed to be the place of loading.
Shed Op ID	Identifies the transit shed.	0..1	an..3	As goods location has now changed format to include the shed ID, this data element is not expected to be used.

Transport ID	Identifier for the vessel/flight in which the goods crossed the border.	0..1	an..35	EDL can be used to report departure inland (i.e. back into the UK from a port) as well as departure from the UK. For departure from the UK, the departure date and all the transport details must be supplied. If the goods are departed inland these details must not be supplied.
Transport Mode	The actual mode of transport at the border	0..1	an..1	
Transport Nationality	The country code for the nationality of the actual means of transport, when crossing the Union's external frontier.	0..1	a2	
UCR	A unique consignment reference which may identify either a consolidation or a declaration.	1..1	an..35	There is a future requirement to also depart by MRN.
UCR Type	Defines whether the UCR referenced in the message is a DUCR or MUCR. These values are defined as 'D' or 'M'	0..1	a1	If UCR is present then, UCR Type must also be.

3.2.4 Associate / Disassociate UCR - EAC

Data Item	Description	Occurs	Format	Conditions/Notes
Message Code		1..1	a3	
Master UCR	A unique consignment reference which may identify a consolidation.	0..1	an..35	If not supplied for EAC, the current association is removed.
UCR	A unique consignment reference which may identify either a consolidation or a declaration.	0..1	an..35	For EAC, if a UCR is not supplied, the consolidation will be shut.
UCR Type	Defines whether the UCR referenced in the message is a DUCR or MUCR. These values are defined as 'D' or 'M'	0..1	a1	If UCR is present then, UCR Type must also be.

3.2.5 Shut MUCR - CST

Data Item	Description	Occurs	Format	Conditions/Notes
Message Code		1..1	a3	
Master UCR	A unique consignment reference which may identify a consolidation.	0..1	an..35	

3.2.6 Query Service Request

Data Item	Description	Format	Occurs	QUE	Conditions/Notes
Queried UCR	The UCR which is to be queried and will return one level above and one level below in the consolidation tree structure	an..35	1..1	M	To be completed in the following format: [0-9][A-Z][A-Z][0-9A-Z\(\)\-/]{6,32}|GB/[0-9A-Z]{3,4}-[0-9A-Z]{5,28}|GB/[0-9A-Z]{9,12}-[0-9A-Z]{1,23}|A:[0-9A-Z]{3}[0-9]{8}|C:[A-Z]{3}[0-9A-Z]{3,30} DUCR (UCR type "D") - All alphas used must be upper case - First character to be a number - Second and Third character to be alpha (upper case only) - 16th digit to be a hyphen - Post the hyphen any character is allowed but any alphas must be upper case MUCR (UCR type "M") - All alphas used must be upper case - First character to be an alpha character
UCR Type	Defines whether the UCR referenced in the message is a DUCR or MUCR. These values are defined as 'D' or 'M'	an..1	1..1	M	UCR Type is "M" if queried UCR is a MUCR. UCR Type is "D" if queried UCR is a DUCR
EORI	Unique ID for the trader/requester. Used to authorise the trader to perform the action requested.	an..17	0..1	O	
Agent Location	The electronic location/address specified in the start session parameter for the client session in which the agent submitted the declaration. This is returned, along with the AGENT-ROLE to the CSP, for use by the CSP Inventory System to route the reporting output to the required electronic destination	an..12	0..1	O	
Agent Role	The role specified in the start session parameters for the client session in which the agent	an..3	0..1	O	

	submitted the declaration. This is returned, along with AGENT-LOCN, with any report associated with the Entry for use by a CSP system in routeing the output to the required destination. The party (in the context of the declaration, at header level) with PartyRole where type.code= "TB" (Submitter).			

3.3   Sent by CDS

3.3.1 EAL Response

Data Item	Description	Occurs	Format	Conditions/Notes
Message Code		1..1	a3	
CRC	The result of processing an inventory message from the system. 000 = Success 102 = Declaration has not arrived (in response to EAL)	1..1	n3	
Goods Arrival DateTime	The date and time (CCYYMMDDHHMM) at which a movement arrived at a location as given by the Inventory System.	1..1	an..35	
Goods Location	This element identifies the location of the goods when notifying the arrival and departure of movements. For departure from the UK the location is the place of loading.	1..1	an..17	
Shed Op ID	Identifies the transit shed.	0..1	an..3	As goods location has now changed format to include the shed ID, this data element is not expected to be used.
Movement Reference	Optionally used to identify a movement of goods at a location controlled by a CSP.	0..1	an..25	
Commodity Code	Classification of the commodity (For the first item that is not deleted). This element may be expanded to include the further commodity sub-codes if required (requirement to be confirmed).	0..n	n8	Only returned for EMR, if the Master-Opt value is "F".
UCR	A unique consignment reference which may identify either a consolidation or a declaration.	0..n	an..35	There is a future requirement to also arrive by MRN.
UCR Type	Defines whether the UCR referenced in the message is a DUCR or MUCR. These values are defined as 'D' or 'M'	0..1	a1	If UCR is present then, UCR Type must also be.

ICS (Input Customs Status)	Declaration invalidation reason code	0..n	an..2	Value provided if Declaration has been invalidated
ROE (Route of Entry)	Describes the most severe control type based on the most recent risk assessment. DMS will return a number value determining whether control is physical, documentary or external.	0..n	an.2	For EAA/EAL, must be present if declaration data has been found. A prefix of 'H' is given for pre-lodged entry responses.
SOE (Status of Entry)	The state of processing the declaration	0..n	n..2	For EAA/EAL, must be present if declaration data has been found
Total Net Mass	Mass, specified in the indicated measurement type, of the goods themselves without any packaging, as specified in SAD box 38. UCC Annex B: 6/1 - Net Mass (kg)	0..n	n..16,6	
Total Packages	The total number of packages making up the consignment covered by the declaration	0..n	n..8	
Submit Role	This is effectively superceded by the header fields containing the badge and conversation IDs. Currently unused and is a candidate for removal as the data will now be passed in the header fields.	1..n		

3.3.2 EAA Response

Data Item	Description	Occurs	Format	Conditions/Notes
Message Code		1..1	a3	
CRC	The result of processing an inventory message from the system. 000 = Success 101 = Pre-lodged Declaration has not been submitted (in response to EAA)	1..1	n3	
Goods Location	This element identifies the location of the goods when notifying the arrival and departure of movements. For departure from the UK the location is the place of loading.	1..1	an..17	
Shed Op ID	Identifies the transit shed.	0..1	an..3	As goods location has now changed format to include the shed ID, this data element is not expected to be used.
Movement Reference	Optionally used to identify a movement of goods at a location controlled by a CSP.	0..1	an..25	
Commodity Code	Classification of the commodity (For the first item that is not deleted). This element may be expanded to include the further commodity sub-codes if required (requirement to be confirmed).	0..n	n8	
UCR	A unique consignment reference which may identify either a consolidation or a declaration.	0..n	an..35	There is a future requirement to also arrive by MRN.
UCR Type	Defines whether the UCR referenced in the message is a DUCR or MUCR. These values are defined as 'D' or 'M'	0..1	a1	If UCR is present then, UCR Type must also be.
ICS	Declaration invalidation reason code	0..n	an..2	Value provided if Declaration has been invalidated
ROE	Describes the most severe control type based on the most recent risk assessment. DMS will return a number value determining whether control is physical, documentary or external.	0..n	an..2	For EAA/EAL, must be present if declaration data has been found. A prefix of 'H' is given for pre-lodged entry responses.

SOE	The state of processing the declaration	0..n	n..2	For EAA/EAL, must be present if declaration data has been found
Total Net Mass	Mass, specified in the indicated measurement type, of the goods themselves without any packaging, as specified in SAD box 38. UCC Annex B: 6/1 - Net Mass (kg)	0..n	n..16,6	
Total Packages	The total number of packages making up the consignment covered by the declaration	0..n	n..8	
Submit Role	This is effectively superceded by the header fields containing the badge and conversation IDs. Currently unused and is a candidate for removal as the data will now be passed in the header fields.	1..n		

3.3.3 EMR Notification

Data Item	Description	Occurs	Format	Conditions/Notes
Message Code		1..1	a3	
CRC	The result of processing an inventory message from the system. 000 = Success 101 = Pre-lodged Declaration has not arrived (in response to EAA) 102 = Declaration has not arrived (in response to EAL)	1..1	n3	
Declaration Count	The number of consignments associated with the master			This will return the total number of declarations in the MUCR.
Goods Arrival DateTime	The date and time (CCYYMMDDHHMM) at which a movement arrived at a location as given by the Inventory System.	0..1	an..35	
Goods Location	This element identifies the location of the goods when notifying the arrival and departure of movements. For departure from the UK the location is the place of loading.	1..1	an..17	
Shed Op ID	Identifies the transit shed.	0..1	an..3	As goods location has now changed format to include the shed ID, this data element is not expected to be used.
Master ROE	The most severe route of entry in the declaration	0..1	an..2	
Master SOE	Identifies if the consolidation is permitted to progress	0..1	n..2	
Master UCR	A unique consignment reference which may identify a consolidation.	0..1	an..35	For EMR, this is the Master UCR identified in the request.
Movement Reference	Optionally used to identify a movement of goods at a location controlled by a CSP.	0..1	an..25	
Commodity Code	Classification of the commodity (For the first item that is not deleted). This element may be expanded to include the further	0..n	n8	Only returned for EMR, if the Master-Opt value is "F".

	commodity sub-codes if required (requirement to be confirmed).			
UCR	A unique consignment reference which may identify either a consolidation or a declaration.	0..n	an..35	There is a future requirement to also arrive by MRN.
UCR Type	Defines whether the UCR referenced in the message is a DUCR or MUCR. These values are defined as 'D' or 'M'	0..1	a1	If UCR is present then, UCR Type must also be.
ICS	Declaration invalidation reason code	0..n	an..2	Value provided if Declaration has been invalidated
ROE	Describes the control type for the individual declaration based on the most recent risk assessment. DMS will return a number value determining whether control is physical, documentary or external.	0..n	an..2	Provided when requested through the Master Opt value.
SOE	The state of processing the declaration	0..n	n..2	
Total Net Mass	Mass, specified in the indicated measurement type, of the goods themselves without any packaging, as specified in SAD box 38. UCC Annex B: 6/1 - Net Mass (kg)	0..n	n..16,6	For EMR, if Master-Opt = "F"
Total Packages	The total number of packages making up the consignment covered by the declaration	0..n	n..8	For EMR, if Master-Opt = "F"
Submit Role	This is effectively superceded by the header fields containing the badge and conversation IDs. Currently unused and is a candidate for removal as the data will now be passed in the header fields.	0..n		For EMR, if Master-Opt = "F"

3.3.4 ERS Notification

Data Item	Description	Occurs	Format	Conditions/Notes
Message Code		1..1	a3	
Goods Arrival DateTime	The date and time (CCYYMMDDHHMM) at which a movement arrived at a location as given by the Inventory System.	0..1	an..35	
Goods Location	This element identifies the location of the goods when notifying the arrival and departure of movements. For departure from the UK the location is the place of loading.	1..1	an..17	
Shed Op ID	Identifies the transit shed.	0..1	an..3	As goods location has now changed format to include the shed ID, this data element is not expected to be used.
Master UCR	A unique consignment reference which may identify a consolidation.	0..1	an..35	
Movement Reference	Optionally used to identify a movement of goods at a location controlled by a CSP.	0..1	an..25	
Commodity Code	Classification of the commodity (For the first item that is not deleted). This element may be expanded to include the further commodity sub-codes if required (requirement to be confirmed).	0..n	n8	
UCR	A unique consignment reference which may identify either a consolidation or a declaration.	0..n	an..35	There is a future requirement to also arrive by MRN.
UCR Type	Defines whether the UCR referenced in the message is a DUCR or MUCR. These values are defined as 'D' or 'M'	0..1	a1	If UCR is present then, UCR Type must also be.
ICS	Declaration invalidation reason code	0..n	an..2	Value provided if Declaration has been invalidated
ROE	Describes the most severe control type based on the most recent risk assessment. DMS will return a number value determining whether control is physical, documentary or external.	0..n	an..2	A prefix of 'H' is given for pre-lodged entry responses.
SOE	The state of processing the declaration	0..n	n..2	

Total Net Mass	Mass, specified in the indicated measurement type, of the goods themselves without any packaging, as specified in SAD box 38. UCC Annex B: 6/1 - Net Mass (kg)	0..n	n..16,6	
Total Packages	The total number of packages making up the consignment covered by the declaration	0..n	n..8	
Submit Role	This is effectively superceded by the header fields containing the badge and conversation IDs. Currently unused and is a candidate for removal as the data will now be passed in the header fields.	0..n		

3.3.5 UKCTRL

N.B. there is a later requirement to send multiple error codes in one response.

Data Item	Description	Occurs	Format	Ack	Nak	Conditions/Notes
Message Code	The type of message that was submitted to which the UKCTRL response applies.	1..1	a3	M	M	
Action Code	Identifies the result of the processing of the original Inventory Linking request message. 1 = Acknowledged & processed 2 = Partially accepted and processed 3 = Rejected	0..1				
UCR	A unique consignment reference which may identify either a consolidation or a declaration.	0..1				
Movement Reference	Optionally used to identify a movement of goods at a location controlled by a CSP.	0..1				
Error Code	Identifies why the message has been rejected	0..1				Only applicable if Action Code = 2 or 3

3.3.5.1 Error Scenarios

Scenario	Message Types						Error Code	Additional Error Information
	EAL	EAA	EDL	EAC	CST	QUE		
Invalid UCR Format, DUCR or MUCR	X	X	X	X	X		01	For EAC, the parent to be associated to must also be a MUCR otherwise format validation will fail
Client ID validation fails				X			02	
UCR is not at the top of its' consolidation	X	X	X				03	
Cannot consolidate the MUCR as it is not shut				X			04	

Immediate parent MUCR cannot already be within it's same tree/consolidation				X			05	
Cannot find the consolidation				X	X		06	
Consolidation already shut					X		07	
UCR Type does not match UCR Format	X	X	X	X	X	X	08	
Declaration does not exist				X			10	
UCR is already associated to given MUCR				X			11	
Prior movement for the UCR is not at the same location as given on the EDL			X				12	
No prior EAL can be found for the UCR at the location given on the EDL			X				13	
Not all declaration(s) have P2P			X				14	
Declaration is cancelled/terminated	X	X	X	X			15	
Unknown Declaration ID, DUCR or MUCR						X	16	When DUCR or MUCR is unknown in the query service
Consolidation has reached maximum number of levels/items within a level				X			17	
Goods Departure/Arrival Date/Time is invalid		X	X				18	
Cannot depart the MUCR from UK as MUCR is not Shut			X				19	
Message sent with a future date/time (greater than 25hours in the future)		X					20	
UCR is not for a MUCR					X		21	
UCR to be disassociated does not exist				X			22	
UCR to be disassociated is not already associated				X			23	
Master UCR/UCR field completion does not match the EAC action				X			24	

MUCR is empty			X				25	
Exit message failed validation/processing			X				26	
Location-Based Permission failed	X	X	X				27	
Goods Location is invalid	X						28	
MUCR has been departed				X			29	
UCR cannot be associated as it has been rejected upon arrival				X			30	DUCR cannot be associated because it is rejected upon arrival (Topic Type 11) or MUCR cannot be associated because it contains at least one declaration which has been rejected upon arrival.

3.3.6 Query Consignment

3.3.6.1 Query Service Response

Data Item	Description	Occurs	Format	QUE	Conditions/Notes
Queried UCR	The UCR which is being queried	1..1	an..35	M	
UCR Type	Defines whether the UCR referenced in the message is a DUCR or MUCR. These values are defined as 'D' or 'M'	1..1	an..1	M	If the queried UCR is a MUCR then UCR Type is "M". If the queried UCR is a DUCR then UCR Type is "D"
Shut Status	Determines whether the UCR is Shut or Not	1..1	an.1	M	
Response Truncation	Indicates whether the response has been truncated for performance purposes	1..1	an..5	M	
Child MUCR	Child MUCR underneath the queried UCR	0..1000	an..35	O	
Child MUCR Shut Status	Determines whether the child MUCR is Shut or Open	0..1000	an..1	C	
Child DUCR	Child DUCR underneath the queried UCR	0..1000	an..35	O	
Child DUCRs DeclarationID	The MRN for the child DUCR obtained from the declaration	0..1000	an..35	C	
Queried UCRs Movement Message Codes	Queried UCR movement messages described by the movement codes	0..2000	an..3	O	The message codes will be any combination or multiple of EAA, EAL and/or EDL
Parent UCR	Parent UCR for the queried UCR	0..1000	an..35	O	
Parent UCR Shut Status	Determines whether the parent UCR is open or shut	0..1000	an..1	C	
Parent UCR Movement Message Code	Parent UCR movement messages described by the movement codes	0..2000	an..3	O	The message codes will be any combination or multiple of EAA, EAL and/or EDL
Parent UCR Goods Location	The goods location of the parent UCR	0..1000	an..17	C	
Parent UCR Goods Arrival Date Time	The date and time (CCYYMMDDHHMM) at which a movement arrived the parent UCR at a location as given by the Inventory System.	0..1000	an..35	O	

Parent UCR Goods Departure Date Time	The date and time (CCYYMMDDHHMM) at which a movement departed the parent UCR at a location as given by the Inventory System.	0..1000	an..35	O	
Parent UCR Shed Op ID	The transit shed of the parent UCR	0..1000	an..3	O	
Parent UCR Master Opt	The Master Opt for the parent UCR. Determines the level at which entry details are returned as a result of an EAA or EAL for a consolidation and subsequent notification of changes to the control type, customs status, and some declared details of the consignments.	0..1000	an..1	O	
Parent UCR Movement Reference	Optionally to identify the movement of goods at a location for the parent UCR controlled by an inventory system.	0..1000	an..25	O	
Parent UCR Transport ID	Identifier for the vessel/flight in which the goods cross the border for the parent UCR.	0..1000	an..35	O	
Parent UCR Transport Mode	The actual mode of transport at the border for the parent UCR.	0..1000	an..1	O	
Parent UCR Transport Nationality	The country code for the nationality of the actual means of transport, when crossing the Union's external frontier for the parent UCR.	0..1000	an..2	O	
Parent UCR Commodity Code	Classification of the commodity (For the first item that is not deleted). This element may be expanded to include the further commodity sub-codes if required (requirement to be confirmed) for the parent UCR.	0..1000	an..8	O	
Parent UCR Total Packages	The total number of packages making up the consignment covered by the declaration for the parent UCR.	0..1000	an..8	O	
Parent UCR Total Net Mass	Mass, specified in the indicated measurement type, of the goods themselves without any packaging, as specified in SAD box 38. UCC Annex B: 6/1 - Net Mass (kg) for the parent UCR	0..1000	an..16,6	O	
Parent UCR ICS	Declaration invalidation reason code for the parent UCR	0..1000	an..2	O	

Parent UCR ROE	Describes the most severe control type based on the most recent risk assessment. DMS will return a number value determining whether control is physical, documentary or external for the parent UCR.	0..1000	an..2	O	
Parent UCR SOE	The state of processing the declaration for the parent UCR.	0..1000	an..2	O	

4. Schemas

As specified in the latest version of the API Specification.

5. Sample Messages

Sample messages to be provided when the schema has been published on the developer hub.

6.   SOE / ICS / ROE Mapping

6.1   SOE – Declaration Status

Please note that not all the below status codes will appear in the status notifications, however, the majority can be configured to be sent if needed.

Status	Code	Description	CHIEF Equivalent
Declaration Validation	1	The declaration is currently within validation and is not yet accepted, registered or rejected. This code will be received for any initial linking of the declaration to the consignment on the inventory.	N/A
Declaration Goods Release	2	This status will be received once the declaration has a positive customs position but either control or the debt is provisional. However, the goods can be released. This will be received as part of a Declaration Status Notification.	7
Declaration Clearance	3	This status will be received once the declaration has a positive customs position and the control/debt is finalised. The majority of declaration will move to this status and skip release. This will be received as part of a Declaration Status Notification.	7
Declaration Invalidated	4	This status will be received as part of a Declaration Status Notification once the decision has been taken to invalidate the declaration. The ICS code will distinguish between a trader-initiated cancellation and a seizure/destruction of goods cancellation.	2 / 9
Declaration Rejected	5	If the declaration is rejected, then a Declaration Status Notification will be received with this code.	N/A
Declaration Handled Externally	6	This status will be received as part of a Declaration Status Notification once the decision has been taken to take the declaration off system. This will occur in exports when goods are stopped/seized at the Office of Exit (whether through another member state, or via a re-arrival within the UK). This can occur at any time following presentation of the goods for export and when the goods are on-hand. Actions may vary between formal detention of the consignment and possible seizure action by Customs	N/A
Declaration Correction Validation	7	Will only be used in Imports to re-validate the inventory linking. Will not be sent for Exports.	N/A

Advance Declaration Registration	8	Will not be sent to CSPs	N/A
Declaration Acceptance	9	Will not be sent to CSPs	N/A
Declaration Acceptance at Goods Arrival	10	Will not be sent to CSPs	N/A
Declaration Rejection at Goods Arrival	11	If the declaration fails re-validation at the point of arrival, then this notification will be sent to CSPs. While the declaration is rejected, the DUCR will remain in a holding state, still associated to a consolidation if relevant. Traders are then expected to submit a new declaration with the DUCR from the rejected declaration. This will allow the consignment to progress through the inventory system.	R
Declaration Corrected	12	Will not be sent to CSPs	N/A
Declaration Supplemented	13	Will not be sent to CSPs	N/A
Declaration Risked	14	Notification that the declaration has now been risked and will contain a specific ROE code.	N/A
Customs Position Determined	15	Will not be sent to CSPs	N/A
Declaration Clearance after Goods Release	16	Will not be sent to CSPs	N/A
Insufficient Guarantees	17	Not relevant for export	N/A
Departed	D		8
Frustrated	F		8
MUCR Values			
Consolidation is Open	0	The MUCR has been created and contains declaration, but is still open.	0
Consolidation is closed but has no declarations	0	The MUCR has been created, and closed, but contains no declarations.	N/A
Consolidation is closed but does not have P2P	C	The consolidation is closed, but there are underlying declarations that do not have P2P.	1
Consolidation has P2P	3	The consolidation is closed and all underlying declarations have P2P or have departed.	7

6.2 ICS Mapping

N.B. There is an existing requirement to include further reasons as to why the declaration was invalidated. These will be updated with the future release.

Status	Code	Description	CHIEF Equivalent
Invalidation at trader's request	3		
Invalidation by customs due to major discrepancies	6		

6.3   ROE Mapping

Route	Code	Description	CHIEF Equivalent
Documentary Control	1	A risk has been identified that requires the declarant to submit documentation for checking. The goods are required to be held.	1
Physical / External Party Control	2	A risk has been identified which requires the goods to be physically inspected by Border Force or some other third party. The goods are required to be held.	2
Non-Blocking Documentary Control	3	A documentary check has been requested, but the goods do not need to be held.	3
No control required	6	The declaration has been risked and no control has been required.	6
Risking not yet performed	0	The declaration is in a processing state which means that risking has not been performed yet.	N/A
Pre-lodge pre-fix	H	The declaration is an advance/pre-lodged type, and as such the routing is provisional only.	H -

N.B. the value for 'E' (previously HCI declaration) has not been described as these requirements are yet to be elaborated by the programme.

N.B. the value for 'F' (FEC Challenge) has been removed as FEC (Front End Credibility) checks are no longer blocking.

Document Control

Status:

Author	Ben Wallis
Status	Issued

Change Log:

Version	Date	Author	Comments *(please include names of approvers in this section)*
V0.1	31.07.18	BW	First Draft
V0.2	15.08.18	BW / RS	Peer review prior to wider internal review.
V1.0	31.08.18	BW	Updated following internal review
V1.1	05.10.18	BW	Updated following CSP Event
V1.2	30.10.18	BW	Updated following further CSP feedback
V1.3	06.11.18	BW	Minor changes following internal review
V1.4	29.05.19	BW	Updated following changes to ILE component.
V1.5	17.06.19	EB	Version for issue
V1.6	01.07.19	BW	Updated for invalidation at office of exit.

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