HM Revenue & Customs

Customs Declaration Service (CDS)

Document name:	CSP and Software developer technical documentation list
Abstract:	Status report on the list of all technical documentation to support CDS readiness.
Stability:	Date: 04/06/18
Version:	v2.16
Team:	Trade Readiness Team - Transition

Purpose of the document

- The purpose of this document is to provide a revised and consolidated list of all the technical documentation issued to software houses and CSPs.
- The documentation has been rationalised into 4 main sections: connectivity, rules, format and messaging and data.
- The full document set is uploaded onto the Google Drive within the new folders listed in this document. The previous versions of all the documentation are saved in the Archive folder. The files uploaded within the new folders will be the latest versions of the documents and no references to the previous versions will be required.
- Documents that will be iterated for further Trade Test drops will be issued together with the updated version of this document set list to allow for easier tracking of all the changes.
- Based on your feedback we are issuing the below listed new CDS Functional Specification documentation:
  - Inventory Linking Imports Service Design – latest version issued on 10/05
  - Inventory Linking Exports Service Design – TBC
  - CDS Declaration Submission Service Design Imports - 24/04
  - CDS Declaration Submission Service Design Exports – TBC
  - CDS End to End Sequence Diagrams – latest version issued on 24/04
  - CDS Codelists and WCO References – latest version issued 17/04

- The new End to End Sequence Diagrams document (new Doc Ref CDS 10) replace the old Message Interaction Sequence Diagrams document (old Doc Ref 4)
- The CDS Codelists and WCO References document defines the WCO tags used within CDS pointers as well as any technical codelists that are not referenced within the Paper Tariff. This document has been created mid-way through an agile process and is therefore subject to change.

CSP and Software Developer Technical Documentation

Connectivity

- CDS 01 Inventory Linking Exports API specification*
- CDS 02 Inventory Linking Imports API specification*
- CDS 03 Customs Declaration API specification*
- CDS 04 Pull Notification (API)
- CDS 05 Network layer (MDTP API Platform Information)
- CDS 05 Privileged Access documentation**

Business Rules

CDS 06 Tariff Manual

- All Import Declarations
- CPC Notes
- Appendices (except Appendix 16)

Remaining Tariff Manual

Format and Messaging

- CDS 01 XML Schemas – Exports IVL
- CDS 02 XML Schemas – Imports IVL**
- CDS 03 CDS Declaration XML Schemas – Declaration and Trader Notification
- CDS 03 CDS Declaration XML Sample Messages***
- IVL Service Design***
  - CDS 01 Exports
  - CDS 02 Imports**
- CDS 03 CDS Declaration Submission Service Design***
  - Exports
  - Imports
- CDS 07 Data Dictionary
- CDS 08 Data Mapping
- CDS 03 End to End Sequence Diagrams
- CDS 03 CDS Codeslists and WCO References

Data

- CDS 09 Tariff Download

CDS Supporting Documentation

Trade Test Pack and Trade Test Scope
CDS Resilience Strategy

*CSPs will have their own version of these APIs that will have new functionality to incorporate the badge headers. This will become available in TTM4.
** Documentation issued to CSPs only.
***Documentation to accompany appropriate XML schemas.

Trade Readiness –Technical Document Set (1/5)

Doc Ref	Document Name	Contents	Date latest version shared	File Name	Where to find these versions	When will the next iteration be ready Target date
CDS 01	**Inventory linking -** Exports	• API Specification and associated Schema • IVL Exports Service Design Document (will incorporate Use Case Sets doc previously CSP004)	• 21/12 (on Dev Hub from 12th February) • NEW TBC • Use Case Sets: 05/02	• inventory-linking-exports-schemas	• Dev Hub The Use Case Sets have previously been issued only to CSPs via SDST email. This will be replaced by the new IVL Exports Service Design Document that will be hosted on Google Drive Folder name CDS 01 Inventory Linking Exports	IVL Exports Service Design Document **TBC.**
CDS 02	**Inventory Linking – Imports**	• API Specification and associated Schema • IVL Imports Service Design Document - *This document defines the system behaviour for the Inventory Linking imports function.*	• 17/05 • Previous version: 02/03 (on Dev Hub from 16th April) • 10/05	• CDS 02 Inventory Linking Imports schemas v1.1 180516 PI • CDS 02 Inventory Linking Imports schemas v1.1 180301 LM • CDS 02 Inventory Linking Imports service design v2.0 180509 BW	CDS 02 – Inventory Linking Imports **API available on Developer Hub from 16th April to CSPs only via Privileged Access. This API will only connect to stubbed services (therefore only version 1 will exist) allowing you to interact with it to support your development. For the Imports API the badge header is built into the API. The updated version will be available on Dev Hub 11th June.**	• Updates to API and schema: 16/05 • Updates to IVL Imports Service Design Document will be based on CSPs feedback. This was baselined and issued to CSPs and SWHs on the 10th May.

Trade Readiness –Technical Document Set (2/5)

Doc Ref	Document Name	Contents	Date latest version shared	File Name	Where to find these versions	When will the next iteration be ready Target date
CDS 03	**Customs Declaration**	• Customs Declaration API specification • Declaration and Trader Notification WCO Declaration schemas • Sample XML messages • Data Element Matrix by Declaration Type and Import CPC Matrix (declaration categories derived) **CDS Declaration Submission Service Design Document Imports containing:** • Functional Differences • Scope of Transactions • HL Process Flow • Trader Notifications – Types and Content • Pointer Definition and Examples • WCO Data Element Tags • Validation Results and Categories • Signpost to schemas • CDS Codelists and WCO References (DMS Error Codes shared as a separate document on the 22d March) **CDS Declaration Submission Service Design Document Exports TBC**	• 24/11 • 11/11 • 21/05 • 24/04 • 24/04 • 17/04 • NEW	• Customs Declarations API • wco-declaration-schemas • CDS 03 Customs Declaration TTM4 XML Sample Messages v1.0 J180521 JC • CDS 03 Declaration Technical Completion Matrix v2.09 180405 DS • CDS 03 CDS Declaration Submission Service Design Imports v1.5 180405 BW and CDS 03 CDS Declaration Submission Service Design Imports v2.0 180405 BW (without tracked changes) • CDS 03 CDS Codelists and WCO References v1.3 1800405 BW	• Developer Hub • Developer Hub • Developer Hub and Google Drive folder: CDS 03 – Customs Declaration The Service Design Documentation and CDS Codelists and WCO References will also be available on Google Drive CDS 03 – Customs Declaration folder.	Two new endpoints will be added to the API: Submit a Cancellation Request and the File upload. The stubbed versions will be available on Dev hub for TTM4.2. The cancellation API is in scope and will be connected to back-end in TTM5 scheduled for July. The file upload back-end functionality is not in scope for R1. No changes anticipated to schemas for go live. The XML sample messages will be updated for each TT to align with the latest set of business rules. This document will be updated as the CDS programme goes through the agile process, or where there are a significant number of developer queries in a particular area. • Declaration Submission Service Design Exports for TT7 in September.
CDS 04	**Pull Notification**	• API specification	• 08/02	• Pull Notifications API	• Developer Hub	No changes anticipated.
CDS 05	**Network Layer**	• MDTP API Platform Information • Privileged Access **(for CSPs only)**	• 13/11 • 10/11	• API Platform v1.0 • Privileged Access	CDS 05 – Network Layer **Privileged access document will not be on the google drive as exclusive to CSPs.**	No changes anticipated. Further Information available on Developer Hub.

Trade Readiness –Technical Document Set (3/5)

Doc Ref	Document Name	Contents	Date latest version shared	File Name	Where to find these versions	When will the next iteration be ready Target Date
CDS 06	**Tariff Manual**	Tariff Manual Import Declarations: • Tariff Data Completion Rules • CPC notes Still Pending: • Appendices (except Appendix 16) • CHIEF CPC to CDS Procedure and Additional Procedure Code Correlation Matrix • CFSP Aggregation Rules • Remaining Tariff Manual	• 23/05 • 03/04 • Date to be advised • Date to be advised • 06/09	• UK Trade Tariff, CDS Volume 3, Imports – March 2018, v2 (May 2018) • Document withdrew as the issues were identified by trade. • TBC • TBC • TBC	CDS 06 – Tariff Manual	The final paper version which was sent to publishers. The remaining Export Tariff Manual will be issued in September for TT7.
CDS 07	**Data Dictionary**	Data Dictionary defines the data elements used in interface messages: • Imports Ex-Warehouse Supplementary Declaration • Imports Full Declaration • Exports Full Declaration • Inventory system interface messages for Imports, UKCIUM and UKCIRM.	• 17/04	• CDS 07 Data Dictionary v1.6 180424 RK	CDS 07 – Data Dictionary	This Document will be consolidated with Technical Completion Matrix and Data Mapping documents for TT5 in June.
CDS 08	**Data Mapping**	• Export full declaration • Import full declaration • Import Ex-warehouse supplementary declaration	• 04/12 • 17/04 • 17/04	• CDS 08 Data Mapping export_full_dec v0.2 171204 JCS • CDS 08 Data Mapping import_full_dec v1.8 180424 RK • CDS 08 Data Mapping import_ex-warehouse_supp_dec v1.8 180424 JCS	CDS 08 – Data Mapping .	The Import full declaration and Import Ex-Warehouse Data Mapping will be consolidated into a single document in June. The Export Full Declaration will be updated for TT7. .

Trade Readiness –Technical Document Set (4/5)

Doc Ref	Document Name	Contents	Date latest version shared	File Name	Where to find these versions	When will the next iteration be ready Target Date
CDS 09	**Tariff Download**	• The Tariff data Export proof of concept and associated schema • European Dynamics Tariff User Manual • 200Mb compressed Tariff data file This full extract file contains all the TARIC 3 and National Measures loaded in the Tariff application up to 06 November 2017. This is a zip file containing an XML file that adheres to schema and documentation previously supplied. The uncompressed file also contains: • daily delta extracts generated daily • monthly delta extracts generated monthly • yearly full extracts generated yearly	• 26/04 • 12/02	• DispatchDataExport -XML-Data.xsd • Tariff Data extract. • Annex-IV-extraction-elements-1.8.5	CDS 09 – Tariff Download Service	Once our digital front-end Tariff Download Service is complete, it will be hosted there in July. There will be no further updates to schema.
CDS 10	**End to End Sequence Diagrams**	This document was previously known as Message Interaction Sequence Diagrams (old Doc Ref 14) and contained the sequence diagrams for following scenarios: • Export Goods depart from Frontier • Export Pre Lodged declaration message flow • Export Goods Arrival message flow • IMPORT Goods Arrival at Frontier message flow • IMPORT Pre-Lodged declaration message flow Based on your feedback we have updated this document which now contains the sequence diagrams for the following scenarios: • Submit Pre-Lodged Declaration • Submit Goods Arrival • Submit Arrived Declaration • Submit Supplementary Declaration • Submit Amendment Request • Submit Invalidation Request Scenarios yet to be finalised: • Amending the Declaration • Invalidating the Declaration • Export Declaration Submission • Export Arrival • Export Anticipated Arrival • Export Departure • Export Consolidation Request (Association / Disassociation) • Export Shut Consolidation	• 24/04	• CDS 10 End to End Sequence Diagrams v1.3 1800424 BW • CDS 03 CDS Declaration Submission Service Design Imports v2.0 180405 BW (without tracked changes)	CDS 10 – End to End Sequence Diagrams	The updates to this document will be based on Developer's feedback. This document will then be updated for TT7 in September to also include sequence diagrams for export scenarios.

Trade Readiness –Technical Document Set (5/5)

Doc Ref	Document Name	Contents	Date latest version shared	File Name	Where to find these versions in Google Drive	When will the next iteration be ready Target Date
CDS Supporting Documentation	**Trade Test Scope**	• TTM4 Scope	• 12/04	• CDS Supporting Docs TTM3 Scope v0.4 180308 EB	CDS Supporting Documentation	TTM 5 Scope will be issued in June.
CDS Supporting Documentation	**Trade Test Pack**	• TTM4.1 Pack	• 21/05	• CDS Supporting Docs TTM3 Pack v2.1 180308 EB	CDS Supporting Documentation	TTM4.2 Pack will be issued in June Date TBC TTM 5 Pack will be issued prior to the TTM 5 scheduled for 30th July.
CDS Supporting Documentation	**CDS Resilience Strategy**	Slide deck presented at the CSP surgery event on 20th February on CDS Service and Transactional Resilience.	• 06/03	• CDS Supporting Docs 20180215 CDS resilience v0.1	CDS Supporting Documentation	No changes anticipated. Updates can be made based on CSP feedback.