Guidelines on how to provide US ACAS additional data requirements with messaging standards

Version 1.3.2 based on US ACAS Implementation Guide v2.3.2 from 23rd September 2024

Contents

1. History

Version	Date	Comments
1.0	1st September 2024	Initial version
1.1	2nd September 2024	Version for 1st CMWG review
1.2	5th September 2024	Including CMWG inputs, shared to CBP for review
1.3	27th September 2024	Including further CMWG inputs and ACAS Implementation guide 2.3.2 and updated FAQ, for CMWG review
1.3.1	2nd October 2024	Including feedback from CMWG, typos fixed, additional comments on C-IMP and C-XML distinctions
1.3.2	8th October 2024	Including further feedback from CMWG and CBP

2. Introduction

US CBP has published an update of the ACAS Implementation Guide v2.3 dated 21st August 2024. It comes with additional requirements in terms of data field. Further on, a v2.3.2 has been published on 23rd September 2024.

IATA has been exchanging with TSA/CBP regularly and concluded that we need to figure out a way to comply with C-IMP using the OCI line as the standard cannot and will not evolve anymore. C-XML adoption throughout the industry is not significant enough to assess that it will be used for ACAS filings in the short term.

IATA has highlighted to CBP the importance of integrating the new requirements into the industry standard, to ensure the data can be passed on seamlessly along the entire transport chain (from forwarder to carrier to ACAS interface systems).

As far as C-IMP is concerned, based on Implementation Guide v2.3.2:

- CBP proposes an "extension" of existing C-IMP messages renaming them FWB/PWB and FHL/PHL based on CAMIR message's structure

- ACAS systems have always accepted codes that were not in official Code Lists from CXML Toolkit for flexibility

In addition to the Implementation Guide a FAQ has been publicly shared by CBP to answer main questions on understanding the new data elements required.

The most viable solution is to enhance the OCI Composition Rules Table and associated Code List 1.100 to be able to provide additional information and avoid altering the current data fields in C-IMP or C-XML messages.

3. Overview of additional requirements

All details of the additional requirements are detailed in US ACAS Implementation Guide and the associated FAQ. These documents particularly provide further details on the description and expectation with regards to additional elements.

The following data elements are defined as **strongly recommended** as per ACAS Implementation Guide v2.3.2:

1. Shipper Email (EML)
2. Shipper Phone Number (SHP record)
3. Consignee Email (EML)
4. Consignee Phone Number (CNE record)
5. Customer Account Holder (AHL) (Shipper, Consignee, Third-party, etc.)
6. Customer Account Name (Party Type ESA Name field or Party Info Type ANM)
7. Customer Account Issuer (ISR)
8. Customer Account Number (ACT)
9. Customer Account Shipping Frequency/Volume (ATY)
10. Verified Known Consignor (KP)
11. Customer Account Establishment Date (EST)
12. Customer Account Billing Type (BLT)
13. IP Address used during creation of Customer Account or MAC Address (AIP)
14. IP Address used to request shipment pickup or bill creation or MAC Address) (SIP)
15. Biographic Data (Proof of Identity/Gov't Issued Document Number, Document Country, D.O.B.) (ISR+ID)

The following data elements are defined as **additional optional information**:

16. Customer Account E-mail. Data is distinct from shipper e-mail and should be sent separately for the customer account even if it is the same (use data type EML or VML within the account data record).
17. Customer Account Phone Number. Data is distinct from shipper phone number and should be sent separately for the customer account even if it is the same (use data type PHN or VPH within the account data record).
18. Origin of Shipment. Report on the WBL Origin of Shipment field.
19. Transaction Type. Report on WBL Transaction Type.
20. Shipper MID or AEO Number. Report on SHP record using type MID. In CAMIR messages, send the data in Party Info Type/Party Info fields. In Cargo-IMP messages, send the data in Contact Identifier/Contact Number field.
21. Consignee IOR (or similar number). Report on CGN record using type IOR. In CAMIR messages, send the data in Party Info Type/Party Info fields. In Cargo-IMP messages, send the data in Contact Identifier/Contact Number field.
22. Commodity HTS Code, Value and related information. Report on CAMIR CSD record or Cargo-IMP HTS record.
23. Regulated Agent (Yes or No). Report on OPI record with Party Type RAG.
    a. Regulated Agent Name
    b. Regulated Agent Address
    c. Regulated Agent Code
24. Shipment Place of Receipt (name and address). Report on OPI record with Party Type POR.
25. Shipment Packing Location (name and address of facility). Report on OPI record with Party Type PKG.

26. Ship To Party (name and address) Report on OPI record with Party Type STP.
27. Shipping cost. Report on WBL record Shipping Cost field.
28. Filing Type.
29. URL of the eCommerce Marketplace (MUR)
30. URL of item(s) purchased or SKU of item(s) from the E-commerce marketplace (PUR)
31. URL of the supplier/seller/manufacturer of the good(s) (SUR)

4. OCI segment and constraints

4.1. OCI Structure

The OCI segment (Other Customs Information) is used to provide additional details that are not already captured in existing data fields for both C-IMP and C-XML messages. The structure is the same for both standards so **a solution that works for C-IMP will automatically work for C-XML.**

The OCI is mainly used to convey e-CSD information (Security Declaration) and specific customs information that are not in the core structure of messages.

OCI structure is the following:

- ISO Country Code – Text based on ISO Country Code List
- Information Identifier – Code List 1.19 "Line Identifiers"
    - ⚠ Restricted to 3-letter codes
- Security and Regulatory Control Information Identifier – Code List 1.100
    - ⚠ Restricted to 2-letter codes
- Supplementary Security and Regulatory Control Information – Text
    - ⚠ Restricted to 35 characters (free text)

4.2. Character limitations and lengths

4.2.1 C-IMP messages

C-IMP standard has been sunset in 2014 and has restrictions in both characters and lengths or the fields and messages.

Latest versions of C-IMP messages (FWB 17, FWB16 and FHL 5) can use ASCII7 printable characters while older versions are limited to alphanumerical and a few special characters such as space or hyphen. This means for retro-compatibility we need to ensure that we have a workaround for some special characters.

- Characters such as "/" are restricted in C-IMP and cannot be used for other purposes (e.g. providing a URL)
- Colon ":" is not an allowed character for older versions of C-IMP thus providing a MAC address needs a workaround, we propose replacing ":" by "-"
- @ is not an allowed character for older versions of C-IMP, we require a workaround to provide an email address. The solution proposed is to split the username and domain in two separate OCI lines.

There are also length restrictions for fields, especially the Information field of the OCI is restricted to 35 characters with C-IMP messages. This restriction may cause issue for some required data such as email addresses or street addresses.

4.2.2 C-XML messages

C-XML does not have the same restrictions and may not require workarounds.
Supplementary Security and Regulatory Control Information field has a recommended length of 70 characters and allow for all ASCII 7 printable characters.

Conversion between C-IMP and C-XML messages (both ways) happen often so it is essential to consider that aspect while filling data, especially for the C-XML to C-IMP conversion as restrictions differ.

5. Mapping between US ACAS requirements and OCI data fields

As the vast majority of US ACAS filings are through C-IMP messages, we will focus first on providing a mapping considering C-IMP restrictions and mentioning C-XML solution if different.

ACAS data element	ISO Country Code	Information Identifier	Security and Regulatory Control Information Identifier	Supplementary Security and Regulatory Control Information	Comments
Shipper Email. Optionally, URL-encode the address or simply replace @ with (at) or <space>AT<space>.	US	SHP	MU/VU for Username MD/VD for Domain	Username in first line Domain in second line	We split the username and domain to avoid using workaround for @ and get rid of 35-character limitation. There will be 2 lines for one mail address. Note: MU/VU should always be followed by MD/VD Note: FWB v16/17 and FHL v5 allow for @ character but 35-character limitation remains and we chose to split username and domain as well to simplify the mapping. **With C-XML:** XFWB/XFZB: Consignor or Freight Forwarder details/URIEmailCommunication Not in XFHL
Shipper Phone Number			SHP record TE		**With C-XML:** XFWB/XFZB: Consignor or Freight Forwarder details/DirectTelephoneCommunication Not in XFHL

Consignee Email. Optionally, URL-encode the address or simply replace @ with (at) or <space>AT<space>.	US	CNE	MU/VU for Username MD/VD for Domain	Username in first line Domain in second line	We split the username and domain to avoid using workaround for @ and get rid of 35-character limitation. There will be 2 lines for one mail address. Note: MU/VU should always be followed by MD/VD Note: FWB v16/17 and FHL v5 allow for @ character but 35-character limitation remains and we chose to split username and domain as well to simplify the mapping. **With C-XML:** XFWB/XFZB: Consignee details/URIEmailCommunication Not in XFHL
Consignee Phone Number			CNE record TE		**With C-XML:** XFWB/XFZB: Consignee details/DirectTelephoneCommunication Not in XFHL
Customer Account Holder. Data will be one of S (Shipper Account (most common)) C (Consignee Account) L (Seller Account) B (Buyer Account) 3 (Third-Party Account) In Cargo-IMP, account holder of S or C will be inferred as the party with customer account information.	US	CUS	AH (if not shipper or consignee)	S (Shipper Account (most common)) C (Consignee Account) L (Seller Account) B (Buyer Account) 3 (Third-Party Account)	CUS - Customer Identification AH - Account Holder
Customer Account Name	US	CUS	AN	Customer Account Name	CUS - Customer Identification AN - Account Name

Customer Account Issuer. Data will be one of SCAC, Filer, Carrier Code, ACAS Originator or Regulatory Authority. Must immediately precede the ID or ACT record to which it relates.	US	CUS	AI	Customer Account Issuer	CUS - Customer Identification AI - Account Issuer Data will be one of SCAC, Filer, Carrier Code, ACAS Originator or Regulatory Authority. Must immediately precede the ID or ACT record to which it relates.
Customer Account Number	US	CUS	AR	Customer Account Number	CUS - Customer Identification AR - Account Number
Customer Account Shipping Frequency/Volume. Data will be one of S (shipping outlet/walk-in) I (immediate transaction) O (occasional shipper) B (regular/daily shipper) R (high-volume shipper) X (No account data available)	US	CUS	AF	S (shipping outlet/walk-in) I (immediate transaction) O (occasional shipper) B (regular/daily shipper) R (high-volume shipper) X (No account data available)	CUS - Customer Identification AF - Shipping Frequency/Volume
Verified Known Consignor. Y/N indicator that the shipper is a known party such as Known Shipper (TSA regulations 49 CFR parts 1544, 1546, or 1548), Known Consignor (EU regulation 185/2010) or similar program. Follow this record with the party ID with an ISR and ID record. Begin the ID record data with type KP:	US	CUS	KP	Y/N	CUS - Customer Identification or SHP KP - Known Consignor Indicator
Customer Account Establishment Date. Format as MMDDYYYY or DDMONYY.	US	CUS	AE	MMDDYYYY or DDMONYY	CUS - Customer Identification or SHP AE - Establishment date

Customer Account Billing Type. One of: **EFT - Electronic Funds Transfer (ACH, Banks or other Financial Institutions)** **MBL – Mobile and person to person payments (Venmo, Zelle, PayPal)** **CC - Credit Card/Debit Card** **CSH - Cash payment** **CHQ – Check** **CTO – Cryptocurrency** **BILL - Periodic billing**	US	CUS	BT	ACAS restricted values	CUS - Customer Identification or SHP BT - Billing Type
IP Address used during creation of Customer Account (or MAC Address)	US	CUS	IA	IP Address, usage of "-" instead of ":"	**C-IMP:** <:> not an allowed character, proposal to use - instead (e.g. 12-23-34-45) Note: FWB v16/17 and FHL v5 allow for : character thus it could be used directly with these versions if stakeholders wishes to do so. **C-XML**: While <:> is allowed, conversion with C-IMP needs to be considered to assess if – is to be used instead.
IP Address used to request shipment pickup (or MAC Address)	US	CUS	IR	IP Address, usage of "-" instead of ":"	**C-IMP:** <:> not an allowed character, proposal to use - instead (e.g. 12-23-34-45) ` Note: FWB v16/17 and FHL v5 allow for : character thus it could be used directly with these versions if stakeholders wishes to do so. **C-XML**: While <:> is allowed, conversion with C-IMP needs to be considered to assess if – is to be used instead.
ID number issuer	US	CUS	PR	ID number issuer	CUS - Customer Identification PR - Proof of identification issuer

Biographic Data (Proof of Identity/Gov/t Issued Document Number, Document Country, D.O.B.)	US	CUS	PI	Proof of identification number	CUS - Customer Identification PI - Proof of identification number
Customer Account E-mail. Data is distinct from shipper e-mail and should be sent separately for the shipper account even if it is the same (use data type EML or VML within the account data record).	US	CUS	MU/VU for Username MD/VD for Domain	Username in first line Domain in second line	CUS - Customer Identification MU/VU - Username (V for Verified if applicable) MD/VD - Domain (V for Verified if applicable)
Customer Account Phone Number. Data is distinct from shipper phone number and should be sent separately for the shipper account even if it is the same (use data type PHN or VPH within the account data record).	US	CUS	CT	Phone number	CUS - Customer Identification CT - Contact Telephone Number
Origin of Shipment.					Waybill - FWB 2.2.1 / XFWB <OriginLocation>
Transaction type.	US	CUS	RT	One of transaction type codes	CUS - Customer Identification or SHP RT - Transaction type
Shipper MID or AEO Number.	US	CUS	MI	MID or AEO number	CUS - Customer Identification or SHP MI - MID or AEO number
Consignee IOR (or similar number).	US	CNE	II	IOR or similar number	CUS - Customer Identification or SHP II - IOR number
Commodity HTS Code, Value and related information.					Waybill - FWB 12.17.5
Regulated Agent					(grouping, not actual data)
Regulated Agent Name	US	AGT	N/A	Name of the agent (text)	AGT - Agent N/A - No OCI SRCI Identifier
Regulated Agent Address					**C-IMP: It is recommended no to provide street address in OCI as truncation and loss of information is almost certain** **C-XML: Character length is 70 characters**

Regulated Agent Code	US	AGT	RA	RA Number	AGT - Agent RA - Regulated Agent
Shipment Place of Receipt (name and address)					**C-IMP: It is recommended no to provide street address in OCI as truncation and loss of information is almost certain** **C-XML: Character length is 70 characters**
Shipment Packing Location (name and address of facility)					**C-IMP: It is recommended no to provide street address in OCI as truncation and loss of information is almost certain** **C-XML: Character length is 70 characters**
Ship To Party (name and address)					**C-IMP: It is recommended no to provide street address in OCI as truncation and loss of information is almost certain** **C-XML: Character length is 70 characters**
Total amount of charges assessed by the carrier, freight forwarder or other logistics provider to deliver the cargo. Includes any applicable shipping costs such as taxes and insurance.					Waybill data
ACAS Filing Type. Must be one of: **01 Standard** **02 Express** **03 E-commerce** **04 Postal (reserved)**	US		FT	01 to 04 depending on type	No line identifier, left blank FT - Filing Type
URL of the eCommerce Marketplace					**C-IMP: URL can't be properly shared through OCI** **C-XML: Character length is 70 characters**
URL of item(s) purchased or SKU of item(s) from the E-commerce marketplace					**C-IMP: URL can't be properly shared through OCI**

					C-XML: Character length is 70 characters
URL of the supplier/seller/manufacturer of the good(s)					**C-IMP: URL can't be properly shared through OCI** **C-XML: Character length is 70 characters**
Verified e-mail modifier. Indicates that the e-mail address immediately preceding this element has been verified by the data provider					See email
Verified phone modifier. Indicates that the contact phone number immediately preceding this element has been verified by the data provider	US	CUS, SHP, CNE	VP	Phone number	CUS - Customer Identification or SHP VP – Verified phone number
Contact Person					
Fax Number					
Telex Number					
Internal Record Number					

6. Update of existing Code Lists

As a result of the mapping above, the Code List 1.100 "Customs, Security and Regulatory Control Information Identifiers" needs to be modified with the addition of new identifiers.

These new identifiers will be officially integrated in CXML Toolkit Release 13.

Code	Description
MU	Email address username
VU	Verified email address username
MD	Email address domain
VD	Verified email address domain
VP	Verified Phone number
AH	Customer Account Holder
AN	Account Name
AI	Customer account issuer
AR	Account Number
AF	Customer Account Shipping Frequency/Volume
KP	Known consignor indicator for ACAS purposes
AE	Account establishment date
BT	Account billing type based on ACAS Code List
IA	IP Address used during creation of Customer account
IR	IP Address used to request shipment pickup
PR	ID number issuer
PI	Biographic Data
RT	Transaction type
MI	MID or AEO number
II	IOR or similar
FT	Filing Type