# EUCARIS
# XML Message Specification

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**Document control**

| Version | Date | Remarks |
|---------|------|---------|
| 12.0.0 | 13-4-2021 | Moved VHRNotification specification from EUCARIS XML Message Specification VHInfo to a separate document. |
| 10.0.0 | 26-1-2017 | Final release version |
| 9.0.4 | 3-8-2016 | VHRNotification: Repaired inconsistencies in naming conventions. |
| 9.0.3 | 1-8-2016 | VHRNotification: All descriptions length 100. |
| 9.0.2 | 28-7-2016 | VHRNotification: Changes after realisation: Length of VehAcceptNumberPlatesDesc extended to 50 (request by Germany) Length of VehRejectReasonDesc extended to 100 (because the actual texts are longer than 25, the previous length). |
| 9.0.1 | 10-5-2016 | Changes in the VHRNotification message, requested by Germany. <br><br>• Accept notification: DocumentDate optional => mandatory <br>• Accept notification: Addition of an element denoting what happened to the former license plates <br>• Reject notification: Addition of the possibility to include attachments. <br>(No new message version created because the old version was not used yet by any Member State). |
| 6.0 | 05-01-2011 | Final version Eucaris release 6 |
| 5.5 | 02-11-2010 | Single element AcceptComments/RejectComments instead of 1.. N AcceptCommentLine (of which in realisation only one line was used). |
| 5.0 | 01-04-2009 | Final version Eucaris release 5.0 |
| 0.1 | 01-08-2004 | First draft |

# Contents

# 1. Introduction

## 1.1 General

This document describes the VHRNotification message, in which a Member State informs the Member State of former registration, that a vehicle has been re-registered in that Member State (accept notification), or that the vehicle was offered for re-registration, but the application has been rejected (reject notification).
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## 1.2 Purpose

The purpose of this document is to describe the message layout that should be used to exchange information between EUCARIS countries and/or administrations. The type of message exchange is based on XML.

This document is intended for professionals responsible for the realisation of the message exchange.

## 1.3 How to use this document

It is expected that the reader is familiar with XML technology. Some features of the message descriptions are given now:
- The request and the response are different messages with different names.
- The Header node always consists of the same generic nodes and elements. Some nodes and elements can be used for statistical purposes. The content of the Body node differs per service.
- If a 'not found' situation occurs then a normal response message will be returned to the sender country.
- The nodes and attributes should be technical implemented in the same sequence as described in this document.

## 1.4 The document structure

- This first chapter describes the conventions used in the message specification.
- In the following chapters the messages are specified.
- In Annex A all the nodes and elements of the messages are described.
- Annex B gives a description of the defined (error)messages so far.

## 1.5 Abbreviations and definitions

| Abbreviation | Definition | Explained |
|---|---|---|
| BIA | Business Impact Analysis | |
| EUCARIS | European Car and Driving License Information System | |
| XML | Extensible Markup Language | Language for message exchange |

## 1.6        Related documentation

| Ref | Description |
| --- | --- |
| [doc-1] | Council Directive 1999/37/EC, 29-04-1999 |
| [doc-2] | EUCARIS Web Client General Overview |

# 2. XML Message Specification

## 2.1 Used conventions

The tables used to describe the XML messages provide the following information:
- Level
- Item
- Version
- Occ (occurrence)
- Type
- Remarks

### 2.1.1 Level

The level describes how the XML nodes and elements are nested in the message.

### 2.1.2 Item

The following items are distinguished:
- An *XML node* is indicated in bold & italic
- An XML element is indicated by a normal appearance

In Annex A, for every node and element, its functional definition and its use is described.

### 2.1.3 Version

In this column, the message version is listed in which the element first appeared. The column is only present when there is more than one message version available. An element can appear in all messages versions equal or above the version listed, but an element cannot appear in a lower message version than the version listed.

### 2.1.4 Occ

| Value | Description |
|---|---|
| 1 | A mandatory item. |
| 0-1 | An optional item but if present, the item must be unique. |
| 0-n | An optional item. When present, it may appear more than once. |
| 1-n | A mandatory item. The item may also appear more than once |

**Remark:**
If an optional item is absent, leave it out of the message entirely (do not send empty tags).

### 2.1.5 Type

| Type | Description |
|---|---|
| Text | A sequence of characters. The encoding scheme for the XML messages has to be agreed upon. |
| DT | Date and Time.<br>Can be given in UTC format (Co-ordinated Universal Time) as *'CCYY-MM-DDThh:mm:ssZ'* or |

| Type | Description |
|---|---|
| | *'CCYY-MM-DDThh:mm:ss±00.00'*, or can be given in local time with the offset to UTC as *'CCYY-MM-DDThh:mm:ssZ±nn.nn'*. For more information see http://en.wikipedia.org/wiki/ISO_8601. |
| Date | Date as *'CCYYMMDD'*. Note: incomplete dates possible, see Annex A for further information |
| Int | Numeric, integer values only. |
| Dec | Numeric, fractional numbers possible. |
| Choice | Allows one and only one of the nodes or elements contained in the selected group to be present within the containing node (exclusive choice). |
| Enum | Enumeration; the element has a specified set of values. The possible values are described in Annex A. In XSD validation, the value of the element in the message, will be checked against the possible values. |
| Base64 | A generic term for a number of similar encoding schemes that encode binary data by treating it numerically and translating it into a base 64 representation. |

### 2.1.6 Remarks

Contains information about situations in which a node or element applies or not. Also contains information about relations between separate elements. Note: The functional definition and the use of each node or element is described in Annex A.

## 2.2 Eucaris header

The Eucaris header is present in all Eucaris request and response messages. It contains the following nodes and elements:

| Nesting Level | Item | Occ | Type | Remarks |
|---|---|---|---|---|
| *1* | ***Header*** | 1 | | |
| 2 | MessageID | 1 | UUID | |
| 2 | MessageRefID | 0-1 | UUID | |
| 2 | MessageVersion | 1 | Text | Request message: Use the MessageVersion that the (custom) client supports. Response message: Use the MessageVersion that the legacy system supports. After downgrading: Change MessageVersion to the version number of the downgraded message. Default value 1.0, subsequent versions will be 2.0, 3.0 etc. |
| *2* | ***ServiceExecutionReason*** | 1 | | Has to be returned unaltered. |
| 3 | ServiceExecutionReasonCode | 1 | Enum | |
| 3 | ServiceExecutionReasonDesc | 1 | Text | |
| 2 | ServiceFileNumber | 0-1 | Text | Has to be returned unaltered. |
| 2 | RecipientCountry | 1 | Enum | In a response message, RecipientCountry = SenderCountry from the request message. |
| 2 | SenderCountry | 1 | Enum | In a response message, SenderCountry = RecipientCountry from the request message. |
| *2* | ***SenderOrganisation*** | 1 | | Has to be returned unaltered. |
| 3 | SenderOrganisationCode | 1 | Enum | |
| 3 | SenderOrganisationDesc | 1 | Text | |

| Nesting Level | Item | Occ | Type | Remarks |
|---|---|---|---|---|
| 2 | SenderName | 1 | Text | Has to be returned unaltered. |
| 2 | TimeStamp | 1 | DT | |
| 2 | TimeOut | 1 | Int | Is not used, value 0 is sufficient |

# 3. VHRNotification message

## 3.1 Introduction

The VHRNotification message is used to exchange information from one country to another involved in respectively the import and the export of a vehicle. After receiving a positive (accept) VHRNotification message the country, from which the vehicle was exported, can end the registration of the vehicle. After receiving a negative (reject) VHRNotification message the country, from which the vehicle was exported, can do further investigation.

## 3.2 Available message versions

For this message, only one version is available: 1.0

## 3.3 XML message between member states

### 3.3.1 Notification

| Nesting Level | Item | Occ | Type | Remarks |
|---|---|---|---|---|
| **1** | **VHRNotification** | 1 | | |
| **2** | **Header** | 1 | | See 2.2 |
| **2** | **Body** | 1 | | |
| **3** | **Request** | 1 | | |
| **4** | **VehAccept** | 0-1 | Choice | |
| 5 | VehCountryReq | 1 | Enum | |
| **5** | **VehRegistrationNumberOld** | 0-1 | | |
| 6 | VehRegistrationNumberOldPart1 | 1 | Text | |
| 6 | VehRegistrationNumberOldPart2 | 0-1 | Text | |
| 6 | VehRegistrationNumberOldPart3 | 0-1 | Text | |
| 6 | VehRegistrationNumberOldPart4 | 0-1 | Text | |
| **5** | **VehRegistrationNumber** | 1 | | |
| 6 | VehRegistrationNumberPart1 | 1 | Text | |
| 6 | VehRegistrationNumberPart2 | 0-1 | Text | |
| 6 | VehRegistrationNumberPart3 | 0-1 | Text | |
| 6 | VehRegistrationNumberPart4 | 0-1 | Text | |
| 5 | VehIdentificationNumber | 1 | Text | |
| 5 | VehMake | 0-1 | Text | |
| 5 | VehDocumentDate | 1 | Date | |
| 5 | VehDocumentNumberOld | 0-1 | Text | |
| **5** | **VehAcceptRemarks** | 0-1 | | |
| **6** | **VehAcceptRemark** | 1-n | | |
| 7 | VehAcceptRemarkCode | 1 | Enum | |
| 7 | VehAcceptRemarkDesc | 1 | Text | |
| **5** | **VehAcceptDocRemarks** | 0-1 | | |
| **6** | **VehAcceptDocRemark** | 1-n | | |
| 7 | VehAcceptDocRemarkCode | 1 | Enum | |
| 7 | VehAcceptDocRemarkDesc | 1 | Text | |

| Nesting Level | Item | Occ | Type | Remarks |
|---|---|---|---|---|
| 5 | *VehAcceptNumberPlatesOld* | 0-1 | | |
| 6 | VehAcceptNumberPlatesRemarkCode | 1 | Enum | |
| 6 | VehAcceptNumberPlatesRemarkDesc | 1 | Text | |
| 5 | VehAcceptComments | 0-1 | Text | |
| *4* | *VehReject* | 0-1 | Choice | |
| 5 | VehCountryReq | 1 | Enum | |
| *5* | *VehRegistrationNumberOld* | 0-1 | | |
| 6 | VehRegistrationNumberOldPart1 | 1 | Text | |
| 6 | VehRegistrationNumberOldPart2 | 0-1 | Text | |
| 6 | VehRegistrationNumberOldPart3 | 0-1 | Text | |
| 6 | VehRegistrationNumberOldPart4 | 0-1 | Text | |
| 5 | VehIdentificationNumber | 1 | Text | |
| 5 | VehMake | 1 | Text | |
| *5* | *VehRejectReasons* | 1 | | |
| *6* | *VehRejectReason* | 1-n | | |
| 7 | VehRejectReasonCode | 1 | Enum | |
| 7 | VehRejectReasonDesc | 1 | Text | |
| 5 | VehRejectComments | 1 | Text | |
| *5* | *VehRejectAttachments* | 0-1 | | |
| *6* | *VehRejectAttachment* | 1-n | | |
| 7 | AttachmentFileType | 1 | Enum | |
| 7 | AttachmentFileName | 1 | Text | |
| 7 | AttachmentFileContent | 1 | Base64 | |

### 3.3.2 Downgrade to a lower version

If the recipient of a message supports a lower version of the message than the sender, the message is downgraded to that version. For further details, refer to Annex E and [doc-5].

# 4. Annex A: Nodes and elements

In Alphabetical order this annex describes in detail all the nodes and elements used in the messages. The following information is provided:

▪ Item

The name of the XML node or element (see also 4.1.2)

▪ Type

The data type, which only applies to XML elements and not to XML nodes. See also 4.1.4.

• Len

This column indicates the length of the element.

  ▪ 'n' indicates a fixed length where 'n' is the number of characters
  ▪ 'm-n' indicates a variable length where "m" is the minimum and "n" is the maximum

▪ Description

Information about the purpose of the node or element, rules for usage and examples of usage. For elements of type "Enum", i.e. elements with a fixed set of values, in the description the possible values will be listed.

For any element containing text (descriptions like VehSignalDesc, comments like AcceptComment, messages etc.) the language used should be the default language (i.e. English). A receiving client can translate descriptions into any desired language, using coded attributes.

| Item | Type | Len | Description |
|---|---|---|---|
| AttachmentFileContent | Base64 | | A certain document associated with a reject notification, such as a scanned copy of the original vehicle documents. |
| AttachmentFileName | Text | 1-255 | The name of an attached file. |
| AttachmentFileType | Enum | | Denotes the MIME type of the attached file. This information facilitates opening and presenting the attachment in a browser. Possible values: .csv .doc .docx .gif .htm .html .jpeg .jpg .mht .pdf .ppt .pptx .rar .rtf .tiff .txt .xls .xlsx .xml |
| Body | | | The body contains all the nodes and elements of the actual request, reply or message. |
| Header | | | The header is used to control the process flow. The header is send with each message between client and server. |

| Item | Type | Len | Description |
|------|------|-----|-------------|
| MessageID | Text | 1-36 | A unique identifier for this message. Use UUID. For more information see http://en.wikipedia.org/wiki/Universally_Unique_Identifier and http://en.wikipedia.org/wiki/Universally_Unique_Identifier#Implementations In a response message, MessageRefID should contain the MessageID of the request message (while MessageID of this message is a newly generated UUID). This way, request and reply can be correlated. |
| MessageRefID | Text | 1-36 | Only applicable when the message is a reply on something. The element contains the unaltered reference number given by the initiator of the request so the initiator can correlate the reply. |
| MessageVersion | Text | 3 | Specifies the version number of the message. This version number can be used to make distinctions between multiple versions of messages. Name conventions: First MessageVersion is 1.0, subsequent versions 2.0, 3.0 etc. The client (in the request) and the legacy system (in the response), mention the MessageVersion that is supported. A Eucaris core system downgrades a response message to the MessageVersion of the client in case the response message contains a higher MessageVersion than the request message. |
| RecipientCountry | Enum | | RecipientCountry denotes the country receiving the message. The coding system used should correspond with the URL at which the request is submitted. See further Annex D. |
| Request | | | The request contains the information with which the target country will perform the query or undertake some other action. |
| SenderCountry | Enum | | SenderCountry denotes the country sending the message. The coding system used should correspond with the URL at which the request is submitted. See further Annex D. |
| SenderName | Text | 1-50 | The full name of the person making the request. This name is retrieved from the EUCARIS dictionary and related to the login name. |
| SenderOrganisation | | | Specifies the type of organisation making the request. |
| SenderOrganisationCode | Enum | | Is used in combination with SenderOrganisationDesc. 0: Not specified 1: Registration Office 2: Police 3: Customs 4: Operator 5: National Contact Point |
| SenderOrganisationDesc | Text | 1-50 | Is used in combination with Sender OrganisationCode. See for the notation SenderOrganisationCode. |

| Item | Type | Len | Description |
|---|---|---|---|
| ServiceExecutionReason | | | Specifies the reason for executing a service. |
| ServiceExecutionReasonCode | Enum | | Is used in combination with ServiceExecutionReasonDesc. <br>0: Not specified <br>1: Investigation <br>2: Import <br>3: Composing statistics <br>4: Inform <br>5: Test <br>Value 3 is only used in for availability monitoring. Requests with ServiceExecutionReasonCode=3 are not included in service usage statistics. |
| ServiceExecutionReasonDesc | Text | 1-25 | Is used in combination with ServiceExecutionReasonCode. See for the notation ServiceExecutionReasonCode. |
| ServiceFileNumber | Text | 1-36 | The number of the file related to a service (request etc.). The information can be used later for reference and auditing. The reference is provided by the originator of a request, and is returned in the response to the request. |
| TimeOut | Int | | Is not used in the message exchange. Provide value 0. |
| Timestamp | DT | | The full date and time stamp of the request/re ply. |
| VehAccept | | | The VehAccept node contains all the information regarding a new registration of a vehicle after being imported in a country. |
| VehAcceptComments | Text | 1-unbounded | This element contains the comments made on an accept notification. Free format text. |
| VehAcceptDocRemark | | | This node contains one remark regarding the original documents associated with a new registration of a vehicle after being imported in a country. <br><br>A VehAcceptRemark always consist of the following elements: <br>VehAcceptRemarkCode, <br>VehAcceptRemarkDesc. |
| VehAcceptDocRemarkCode | Enum | | Contains the code related to the remark regarding the original documents associated with a new vehicle registration. Always used in combination with VehAcceptDocRemarkDesc. <br>1: Withdrawn <br>2: Returned to owner <br>3: Returned to register of origin <br>4: Destroyed <br>5: No action defined <br>99: Unknown |
| VehAcceptDocRemarkDesc | Text | 1-100 | Contains the description of a remark. Always used in combination with VehAcceptDocRemarkCode. See for the notation VehAcceptDocRemarkCode. |
| VehAcceptDocRemarks | | | This node contains all remarks regarding the original documents associated with a new registration of a vehicle after being imported. |

| Item | Type | Len | Description |
|---|---|---|---|
| VehAcceptNumberPlatesOld | | | This node contains a remark denoting what has been done with the old number plates.<br><br>Consists of the following elements: VehAcceptNumberPlatesRemarkCode, VehAcceptNumberPlatesRemarkDesc. |
| VehAcceptNumberPlatesRemarkCode | Enum | | Code denoting what has happened to the old number plates:<br>1 = Withdrawn<br>2 = Destroyed<br>3 = Number plates were not shown<br>4 = Stamps removed<br>99 = Unknown |
| VehAcceptNumberPlatesRemarkDesc | Text | 1-100 | Always used in combination with *VehAcceptNumberPlatesRemarkCode*. |
| VehAcceptRemark | | | This node contains one remark regarding a new registration of a vehicle after being imported.<br><br>An VehAcceptRemark always consist of the following elements:<br>VehAcceptRemarkCode,<br>VehAcceptRemarkDesc. |
| VehAcceptRemarkCode | Enum | | Contains the code related to the remark regarding a new registration. Always used in combination with VehAcceptRemarkDesc.<br>1: None<br>2: No export signal<br>3: Incorrect first registration date (world)<br>4: First registration date in former Member State incorrect<br>5: Technical inspection carried out<br>6: Vehicle registration certificate reported stolen<br>7: Vehicle registration certificate reported lost |
| VehAcceptRemarkDesc | Text | 1-100 | Contains the description of a remark. Always used in combination with VehAcceptRemarkCode. See for the notation VehAcceptRemarkCode. |
| VehAcceptRemarks | | | This node contains all remarks regarding a new registration of a vehicle after being imported. |
| VehCommercialName | Text | 1-50 | Document abbreviation [doc-1]: D.3<br>The commercial description / type of the vehicle. For example Focus, Astra, Megane. |
| VehCountryReq | Text | 1-5 | Country to which the request is directed and if desired reply is expected from. If case of a multi-country inquiry, applicable in case of a search on chassis number, fill in VehCountryReq = MCI.<br>The notation of VehCountryReq is conform the notation of the country on vehicles. See for notation RecipientCountry. |
| VehDocumentDate | Date | 8 | First day that the vehicle has been registered in the member state. |

| Item | Type | Len | Description |
|------|------|-----|-------------|
| | | | Format CCYYMMDD. If the date is only partly known, fill the missing parts with 99. Incomplete date formats that are allowed: CCYY9999 and CCYYMM99. |
| VehDocumentID | Text | 1-15 | Document abbreviation [doc-1]: none<br>The unique document ID as printed on the vehicle documents. |
| VehDocumentNumberOld | Text | 1-15 | Former registration document number of part II or of the equivalent certificate delivered by the Member State of origin (for countries where the registration document consists of two parts) or of part I (for countries of origin with only one part registration document). |
| VehIdentificationNumber | Text | 1-25 | Document abbreviation [doc-1]: E<br>The identification number (VIN) of the vehicle as registered by the administration. |
| VehMake | Text | 1-50 | Document abbreviation [doc-1]: D.1<br>The make of the car. For example Ford, Opel, Renault etc. |
| VehRegistrationNumber | Text | | Document abbreviation [doc-1]: A<br>This node contains the registration number (licence number) of the vehicle in the notation as registered by the administration. |
| VehRegistrationNumberOld | Text | | Document abbreviation [doc-1]: A<br>This node contains a former registration number (licence number) of the vehicle in the notation as registered by the former administration. |
| VehRegistrationNumberOldPart1 | Text | 1-15 | Contains the RegistrationNumber, for Germany this part will contain the so-called "Ortcode or Districtcode" |
| VehRegistrationNumberOldPart2 | Text | 1-15 | For Germany this part will contain the rest of the registration number. |
| VehRegistrationNumberOldPart3 | Text | 1-15 | Contains the third part of the registration number (if applicable). |
| VehRegistrationNumberOldPart4 | Text | 1-15 | Contains the fourth part of the registration number (if applicable). |
| VehRegistrationNumberPart1 | Text | 1-15 | Contains the RegistrationNumber, for Germany this part will contain the so-called "Ortcode or Districtcode" |
| VehRegistrationNumberPart2 | Text | 1-15 | For Germany this part will contain the rest of the registration number. |
| VehRegistrationNumberPart3 | Text | 1-15 | Contains the third part of the registration number (if applicable). |
| VehRegistrationNumberPart4 | Text | 1-15 | Contains the fourth part of the registration number (if applicable). |
| VehReject | | | The VehReject node contains all the information regarding the rejection of a registration of a vehicle, which is in the middle of an import procedure. |
| *VehRejectAttachments* | | | This node contains 1 or more attachments, i.e. documents that explain or illustrate why a vehicle was rejected for registration. |
| *VehRejectAttachment* | | | This node contains 1 specific attachment, i.e. a document explaining why a vehicle was rejected for registration. |

| Item | Type | Len | Description |
|------|------|-----|-------------|
| VehRejectComments | Text | 1-unbounded | This node contains the comments to a reject notification. Free format text field. |
| VehRejectReason | | | This node contains one reason regarding the rejection of a registration of a vehicle, which is in the middle of an import procedure.<br><br>A VehRejectReason always consist of the following elements:<br>VehRejectReasonCode,<br>VehRejectReasonDesc. |
| VehRejectReasonCode | Int | 1-2 | Contains the code related to the reason regarding the rejection of a registration. Always used in combination with VehRejectReasonDesc<br>1: Vehicle stolen<br>2: Incorrect first registration date (world)<br>3: Vehicle registration certificate not shown<br>4: Inconsistent information (vehicle register vs. vehicle registration certificate)<br>5: Problem with vehicle identification<br>6: Vehicle failed technical inspection<br>99: Other reason |
| VehRejectReasonDesc | Text | 1-100 | Contains the description of a reject reason. Always used in combination with VehRejectReasonCode. See for the notation VehRejectReasonCode. |
| VehRejectReasons | | | This node contains all reasons regarding the rejection of a registration of a vehicle, which is in the middle of an import procedure. |
| VHRNotification | | | This node contains the complete request for a Vehicle Notification. |

# 5. Annex B: XSD validation

Basis for validation applied in the XSD specifications is annex A. The restrictions that are mentioned in the description of elements will also be implemented in the XSD specifications (e.g. data type, minimum length, maximum length, enumeration).

Data in request and response messages will be validated against these XSD specifications. If a request or response message fails XSD validation, the sender of the message will receive a response message with an explanatory error message.

In XSD validation, the following principles apply:

- For items that are made up of a combination of code and descriptions (i.e. VehSignalCode, VehSignalDesc, and many others), only the codes are validated, not the descriptions.
- Interdependence of XML elements is not validated, since this is not possible in XML v1.0. For instance, it is not possible to validate in the XSD that if a code and description pairs have matching values, e.g. it cannot be validated that if VehSignalCode = , VehSignalDesc = Stolen.

# 6. Annex C: Country Codes

## 6.1      EUCARIS country code convention

For a request message, the SenderCountry is the country where the request originated, and the RecipientCountry is the country that is to receive the request.

In response messages, SenderCountry/RecipientCountry are reversed. Now, the SenderCountry is the country where the response originated, and the RecipientCountry is the country that is to receive the response.

## 6.2      Coding systems

EUCARIS supports the following coding system for country codes:

o    EUCARIS country codes. The coding is based on a United Nations agreement on vehicle country codes (hereafter named DS code) http://www.unece.org/fileadmin/DAM/trans/conventn/Distsigns.pdf. However, if there is more than one organisation that is National Contact Point for EUCARIS, to the country code, a sequence number might be added.

o    ISO 3166-1 alpha-2

A client submitting a request, can choose the coding systems it wants to use, via the URL at which it submits the request. Each supported country coding system has a different URL.

In a consolidated response, the responding countries will be denoted in the coding system that was chosen while submitting the request.

The table below lists the coded values for each coding system and each country:

| Country name (english) | ISO 3166-1 alpha-2 | ISO 3166-1 alpha-3 | DS code |
|---|---|---|---|
| Alderney | -- | -- | GBA |
| Austria | AT | AUT | A |
| Belgium | BE | BEL | B |
| Bulgaria | BG | BGR | BG |
| Croatia | HR | HRV | HR |
| Cyprus | CY | CYP | CY |
| Czech Republic | CZ | CZE | CZ |
| Denmark | DK | DNK | DK |
| Estonia | EE | EST | EST |
| Finland | FI | FIN | FIN |
| France | FR | FRA | F |
| Germany | DE | DEU | D |
| Gibraltar | GI | GIB | GBZ |
| Greece | GR | GRC | GR |
| Guernsey | GG | GGY | GBG |
| Hungary | HU | HUN | H |
| Iceland | IS | ISL | IS |
| Ireland | IE | IRL | IRL |
| Isle of Man | IM | IMN | GBM |
| Italy | IT | ITA | I |
| Jersey | JE | JEY | GBJ |
| Latvia | LV | LVA | LV |

| Country name (english) | ISO 3166-1 alpha-2 | ISO 3166-1 alpha-3 | DS code |
|---|---|---|---|
| Liechtenstein | LI | LIE | FL |
| Lithuania | LT | LTU | LT |
| Luxembourg | LU | LUX | L |
| Malta | MT | MLT | M |
| Netherlands | NL | NLD | NL |
| Netherlands Antilles | AN | ANT | NA |
| Norway | NO | NOR | N |
| Poland | PL | POL | PL |
| Portugal | PT | PRT | P |
| Romania | RO | ROU | RO |
| Slovakia | SK | SVK | SK |
| Slovenia | SI | SVN | SLO |
| Spain | ES | ESP | E |
| Sweden | SE | SWE | S |
| Switzerland | CH | CHE | CH |
| United Kingdom | GB | GBR | GB |

## 6.3 Artificial country codes

EUCARIS uses the following artificial country codes:

| Country code | Meaning and use |
|---|---|
| MCI | Multi Country Inquiry. A (custom) client application uses the RecipientCountry code value 'MCI' in a request message to indicate that it should be broadcast to all countries that support the particular service and the particular search method. The EUCARIS core system performs the broadcast, converting the request message from the client application to N single request messages to all countries. These messages, as well as the response to these messages, contain ordinary country codes.<br>An MCI-request leads to a consolidated response message, containing the responses of all countries. |
| FIN2 | Finland has two organisations hosting EUCARIS. FIN = Haltik (ICT agency providing technical data and communication services). FIN2 = The Finnish Transport Safety Agency (TRAFI). TRAFI is responsible for Prüm and CBE, Haltik is responsible for other EUCARIS services supported by Finland. |
| L2 | Luxembourg has two organizations hosting EUCARIS: The SNCT (hosting the EUCARIS treaty services) and the Police (hosting the Prüm services). The SNCT uses 'L' as country code while the Luxembourg Police is using 'L2'as country code. |
| RO2 | The 'Registrul Auto Român' (R.A.R.) was the organisation initial hosting EUCARIS and supplying data for the EUCARIS treaty using the RO country code. Mid 2010 the 'Romanian Driving Licence and Vehicle Registration Directorate' took over the responsibility for supplying both EUCARIS- and Prüm treaty data. Since the R.A.R is still using EUCARIS for their outbound requests the country code RO2 was assigned to the 'Romanian Driving Licence and Vehicle Registration Directorate'. |
| F2 | The 'Registrul Auto Român' (R.A.R.) was the organisation initial hosting EUCARIS and supplying data for the EUCARIS treaty using the RO country code. |

| Country code | Meaning and use |
|---|---|
|  | Mid 2010 the 'Romanian Driving Licence and Vehicle Registration Directorate' took over the responsibility for supplying both EUCARIS- and Prüm treaty data. Since the R.A.R is still using EUCARIS for their outbound requests the country code RO2 was assigned to the 'Romanian Driving Licence and Vehicle Registration Directorate'. |