



Member State Test Procedure VHINS

EUCARIS Operations (EUCOP)

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Distribution list

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Roelof de Graaf	Operational Manager EUCARIS
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Document references

No.	Title	Author	Version / status / date
DOC-1	EUCARIS XML Message Specification VHINS (Insurance).docx	Alie Hoekstra	1.0.6/Final/09-02-2023
DOC-2	EUCARIS VHINS data overview.xls	EUCARIS Operations	1.0/final/23-03-2023
DOC-3	EUCARIS VHINS test data MS.xls	EUCARIS Operations	1.0/final/23-03-2023
DOC-4	EUCARIS test data EUCOP	EUCARIS Operations	5.6/final/23-0-2023

Abbreviations

Abbreviation	Description	Explanation
EUCARIS	European Car and Driving Licence Information System	EUCARIS is the EUROpean CAR and driving license Information System. EUCARIS is a unique system that provides opportunities to countries to share their car and driving licence registration information, helping to fight car theft and registration fraud.
XML	Extensible Mark-up Language	Language for message exchange
MS	Member State	In this document MS refers to Member States participating in VHINS exchange
EUCOP	EUCARIS Operations	Responsible for executing test activities for EUCARIS application and member state tests
NCP	National Contact Point	A designated competent authority for the exchange of vehicle-owner-holder information, for VHINS related purposes.
VHINS	Vehicle Insurance Data	The VHINS messageservice is used to exchange vehicle insurance related to one vehicle

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1. Introduction

Before a VHINS Member State using EUCARIS can connect to other VHINS Member States using EUCARIS, the Member State has to pass:

- 1) An acceptance test executed in cooperation with EUCARIS Operations (EUCOP)

Out of scope is a system test. This is the responsibility of the NCP.

This document describes the activities and contents of the acceptance test procedure of EUCOP. During this acceptance test the exchange of VHINS messages between EUCARIS countries is tested.

During the acceptance test the following email address will be used:

Eucaris2help@rdw.nl

This procedure describes the acceptance tests for the available VHINS services. If other VHINS services becomes available, they will be included in this procedure. At this moment the VHINS service VHINS is available.

2. Prerequisites

- The MS has informed eucaris2help (eucaris2help@rdw.nl) that an acceptance test for VHINS can be started. Please inform eucaris2help at least two weeks in advance. When informing us, please mention:
 - whether you will be using the default EUCARIS WebClient or your own customized client application(s)
 - which VHINS-service(s) will be used
 - whether the acceptance test is performed by the National Contact Point (NCP) of the MS or is performed by another local organisation. In general only the NCP has to execute an acceptance test for a MS. If it applies to one customized client application which communicates with EUCOP, an acceptance test is also needed to verify the request messages. The exception is when local organisations have developed an own customised client application, which implies that several customized clients are communicating with EUCARIS. The NCP is responsible for the quality of the request message of the customised client applications. If the NCP can't facilitate an acceptance test with the local organisations and aren't able to verify the quality, an acceptance test with EUCOP can be executed.
- A connection has been established between EUCOP and the MS. This item is fulfilled once it is possible to send and receive VHINS messages.
- The MS has received, filled out and returned the following document:
 - EUCARIS VHINS Data Overview [DOC-2]
 - EUCARIS VHINS Test Data MS [DOC-3]For more information on this document, see chapter 3.
- The data mentioned in the above document 'EUCARIS VHINS Test Data' is available in the local databases on the test/acceptance environment of the MS.
- The MS has successfully completed the internal tests of the local VHINS implementation.

3. Test Data

In order to be able to execute tests, there should be test data available in both the MS and EUCOP.

3.1 Test Data EUCOP

In order to have a standard and flexible set of test data necessary to perform the acceptance test of all MS, EUCOP will make use of stubs. These stubs are tested and checked conform the necessary specifications. When a MS sends a request towards EUCOP, the response will come from the stub messages.

In document 'EUCARIS test data EUCOP' [DOC-4] there is an overview of all the stub data available in country EUCOP. This document does not only include data sets of VHINS but also for all other EUCARIS treaties. As this document contains test data of all EUCARIS treaties, this document is not included in the VHINS Test Pack. The document can be found on www.eucaris.net.

3.2 Test Data MS

While EUCOP uses stubs, it is expected from all MS to use real backend services with production-like data during the acceptance test procedure.

Prior to the acceptance procedure the MS supplies information on what data EUCOP can use during the tests via document 'EUCARIS VHINS Test Data' [DOC-3].

In this document there is a list of test scenarios that EUCOP would like to be executed. For each of the scenarios, the MS is able to indicate if the scenario is applicable. If a scenario is applicable, the MS will have to supply test data for that scenario. If a scenario is not applicable, please mention the reason for this.

It is important to mention that this test data should under no circumstance, in respect to privacy laws, be a copy of production environment data.

The MS is also required to fill in document 'EUCARIS VHINS Data Overview' [DOC-2]. This document will help EUCOP and other MS to better understand the VHINS implementation of the MS. This information may result in extra test scenarios or it may result in skipping test scenarios.

4. VHINS Requests

This chapter describes what services will be tested and what checks will be performed concerning request messages sent by the MS.

4.1 Default EUCARIS webclient

The default EUCARIS webclient has been thoroughly tested before being released to other MS. Therefore no extensive checks concerning the contents/structure of these request messages will be performed if the MS uses the default EUCARIS webclient.

This check will consist of the MS sending EUCOP at least one request message per VHINS service, checking whether EUCOP received these messages and checking whether the MS received the expected responses. If this is the case, this test can be considered as successfully completed.

The MS will be asked to send the following messages using the EUCARIS webclient:

Message	Characteristics
RequestByRegistrationNumber	Search on a vehicle registration number

4.2 Customized webclient

This chapter is only applicable if the MS has developed, or is planning to develop a customized (web)client for VHINS. The request messages that are generated by the customized (web)client(s) developed by the MS will have to be tested in more detail. In the table below are listed the requests that have to be sent. Please inform EUCOP when the MS has sent these messages to the EUCOP acceptance environment and inform EUCOP about the time (in UTC) when this was done.

Message	Characteristics
RequestByRegistrationNumber	Search on a vehicle registration number with one part and without a reference date\time
RequestByRegistrationNumber	Search on a vehicle registration number with two parts and without a reference date\time
RequestByRegistrationNumber	Search on a vehicle registration number with a reference date\time

If the MS customized client does not support all of the characteristics described above, please inform EUCOP about it. EUCOP will take this into account during this part of the acceptance test.

When the MS has finished sending these messages to the EUCOP acceptance environment, EUCOP will look up these messages in the MessageService log and analyse them both on content and structure based on the XML specification document [DOC-1]. If all request messages prove to be in accordance with these specifications, this part of the acceptance test can be considered completed successfully. If more than one customized client has been developed, this test has to be executed for all developed customized clients.

If the MS will develop one or more other customized clients after the MS has completed this acceptance test, the MS is obliged to report this to EUCOP, after which the tests described in this section (4.2) will have to be executed for the new customized client before the new customized (web)client can be connected to the EUCARIS production environment.

5. VHINS Responses

This part of the acceptance test focusses on the response messages generated by the MS. The contents of these response messages will reflect the information stored in the driver's licence databases of the MS. During this test EUCARIS Operations will make inquiries to the acceptance environment of the MS. The returned response messages will be analysed both on content and structure. This analysis will be based on the XML specification document [DOC-1] and the data overview returned by the MS [DOC-2].

The inquiries that EUCARIS Operations will make on the MS's databases will be based upon the contents of the test data sheet the MS supplied to EUCARIS Operations before the start of the acceptance test [DOC-3]. In this data sheet the MS can fill out which described scenarios are applicable for the MS. For all applicable scenarios the MS has to supply EUCARIS Operations with search criteria to perform the test cases for these scenarios. The test data inserted in the MS's local databases should be representative for the data that will be returned by the MS's production environment.

6 Exit Criteria

The MS has passed the acceptance tests with EUCARIS Operations if the exit criteria below have been met.

- All tests described in Chapter 4, concerning sending request messages by the default webclient and, if applicable, customized (web)clients, have been completed successfully.
- All tests described in Chapter 5, concerning sending response messages, have been completed successfully.

A test can be considered completed successfully when all required test cases have been executed and no blocking issues are observed during the last test round. When the acceptance test with EUCOP is completed, EUCOP will write a Test Summary Report. This report will be sent to the MS.