

Functional Design

Use case-3: VH Notification Download Notifications of Re-registration

Belongs to Eucaris Web Client

VersionNr: 9.0
VersionDate: 27-6-2023

Revision history

Version Nr	Version Date	Author(s)	Description
9.0	27-6-2023	Alie Hoekstra	Final version Eucaris release
8.0.5	12-5-2023	Alie Hoekstra	Removed search on initiating sender name, add validation on dates. Replaced csv file format to xml format
8.0.4	14-4-2023	Alie Hoekstra	Removed reasoncode from file
8.0.3	11-4-2023	Alie Hoekstra	Renamed screen
8.0.2	24-1-2023	Alie Hoekstra	Updated the screen to V8 principles, like TOLL multiple responses. Added the description of the outputfile
8.0.1	20-1-2023	Alie Hoekstra	Updated the screens to new naming convention
8.0	26-09-2022	Alie Hoekstra	Added screens for new web cliënt
7.0	06-06-2012	Sjaak Kempe	Final version EUCARIS release 7
6.1	06-06-2012	Sjaak Kempe	Documentation redesign. The former document Web Client EUCARIS is split up in one general overview and one use cases for every service/method available.
6.0	05-01-2011	Sjaak Kempe	Final version Eucaris release 6.0
5.4	02-11-2010	Sjaak Kempe	Notification: Change in screen => message mapping of Accept comments, reject comments
5.3	07-10-2010	Sjaak Kempe	Functional test stage release 6.0 defect 107: A response can contain VehDocumentId v2.0 style or VehDocumentId v1.0 style. defect 249: Description of Resend button
5.2	21-06-2010	Sjaak Kempe	Subdivision into “administration notification upload queue” and “administration notification download queue”. In the section on the notification upload queue, addition of a description of the automated delivery and retrial mechanism.
5.1	25-02-2010	Sjaak Kempe	Changes because of removal Eucaris I <ol style="list-style-type: none"> 1. Name change of document (Eucaris instead of Eucaris II) 2. Textual changes (Eucaris instead of Eucaris II) 3. 1.8 Removal of outdated abbreviations 4. Removal of outdated distribution lists 5. Compression of version history information before v.4.1. Changes because of Eucaris release 6.0 Additions to the result part of the vehicle information service <ol style="list-style-type: none"> 6. Addition of table with types of bodywork 7. Addition of offroad symbol 8. Addition of Type approval framework directive 9. Addition of a table with data of Additional Power Sources 10. Addition of roadworthiness Data 11. Multiple VehDocumentIds instead of 1, addition of Issuing authority. Functional testing, defect 34 <ul style="list-style-type: none"> • If the notification option is used, integrated with the vehicle result, several elements are automatically populated from the vehicle result, but the country is not. Notification service <ul style="list-style-type: none"> • When D=Germany is the recipient of a notification, license number old is split up in two parts, and if D= Germany is the sender of a notification, license number new is split up in two parts. Notification admin function <ul style="list-style-type: none"> • New admin function (2.12) for the (generic) Eucaris notification queue. Mileage service <ul style="list-style-type: none"> • Reference to the new web client description mileage service.
5.0	14-01-2009	Sjaak Kempe	Final version Eucaris release 5.0

4.2	20-10-2008	Sjaak Kempe	Draft Eucaris release 5.0 CR 3926: Logging setting "public" not allowed for services where AllowPublic = N CR 3946: Added a section where general help and service specific help is described. Defects list item J: Message of the day, sender country is shown on screen. Driving license search on personal info: Enabling and disabling of input fields is set in configuration.
4.1.2	16-07-2008	Sjaak Kempe	Ch 2.Addresses and time out values. Added that in case of MCI the time out value used, will be the highest time out value of all countries queried.
4.1.1	28-04-2008	Sjaak Kempe	Error corrected in 2.2.6 names of XML elements
4.1	17-12-2007	Sjaak Kempe	Final version Eucaris release 4.1
1.2	14-05-2007	Sjaak Kempe	Eucaris II release 3.0
1.1	20-12-2006	Sjaak Kempe	Final version Eucaris II release 1.1
0.1	01-08-2004	Sjaak Kempe	First draft
7.0	16-05-2012	Sjaak Kempe	Final version EUCARIS release 7.
0.3	14-02-2012	Sjaak Kempe	<ul style="list-style-type: none"> • Update of screen shots after realisation. • Separate view on infringement notifications and infringement notification responses. • Adaptation after realisation. In the initial presentation, system presents the complete contents of both queues. User does not need to take action.
0.2	23-01-2012	Sjaak Kempe	Review remarks: Double postcondition of alternate flow 7 removed.
0.1	17-10-2011	Sjaak Kempe	First draft.

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1 Scope

1.1 Goal

Retrieve notifications of Registration that were received from other Member States.

1.2 Context

This use case is available via the Eucaris Web Client, in which it is offered as a standalone business process.

1.3 Related documentation

ID	Name
[DOC-1]	EUCARIS Web Client UC-201 Retrieve a list of workflows
[DOC-2]	EUCARIS 8.0 Core UC-02 Retrieve Message from EUCARIS
[DOC-3]	EUCARIS 8.0 XML Message Specification VH Notification
[DOC-4]	EUCARIS 8.0 Core UC-02 Retrieve Message from EUCARIS

1.4 Trigger

A VH Notification user checks periodically or incidentally whether new notifications are retrievable.

1.5 Actors

Primary actor:

A natural person, handling notifications of registration.

1.6 Non functional requirements

To this use case, the following overall Eucaris web client requirements apply:

- Actor can choose a preferred language. The default language is English.
- Screen items and labels will be shown in the preferred language.
- If no translation is available for screen items, the default language is used.
- The format of date elements is configurable. During installation of the Eucaris web client, the format to use is set.

Generic message queue functionality:

- This use case supports retrieval of messages. This act is logged by EUCARIS as an *Activity* 'RetrievedOutgoingTransfer'. The actor is recorded in *Activity.UserName*. The result of the activity is that the 'Retrieved' status of messages retrieved, is set to 'true'. Note, however, that a notification with status "retrieved" can be retrieved again, provided it is still present in the queue.
- Via queue administration, the status "retrieved" can be set back to "not retrieved"
- Notifications can be retrieved until the maximum legal retention time expires.

1.7 Design decisions

In the output .xml file, the format used for date and times, is the EUCARIS web client configured format. The language used for descriptions, is the actor's preferred language, set in the EUCARIS web client

2 Functional description

The use case works on VH notifications exclusively, i.e. only notifications of the following services will be shown to the actor:

- VHNotificationReregistration

2.1 Preconditions

Before starting this use case, the following conditions are satisfied:

- Actor is authorised to use the EUCARIS web client.
- Actor is authorised to use the VH Notification services.

2.2 Basic flow

2.2.1 Description

Step 01: Actor chooses the menu option “VH Notification, View Notification of Registration”.

Step 02: System shows the user interface in its initial state

Step 03: The actor browses for available workflows. Described in **Fout! Verwijzingsbron niet gevonden.** The system provides the name of the MessageService (*VHNOTIFICATIONREREGISTRATION*) as search filtering criterion. The actor may add other filters. In the browse view, the following items are shown:

- Initiating Member State
- Timeframe
- External Workflow ID
- Not retrieved only(checkbox)

Step 04: Actor invokes a search for notifications

Step 05: The result of this use case is a browse view of available workflows (and response messages within these workflows). If there are no workflows to be shown, the browse view is empty, and no further action is possible (other than broadening the search limiting criteria, if possible).

Step 06: The actor selects one workflows from the list for download and invokes the download button

Step 07: Using CoreWorkflowId from the selected workflow, combined with the MessageService (*VHNOTIFICATIONREREGISTRATION*) as verification criterion, system retrieves the selected envelope - EUCARIS MessageRetrievalService, method ‘Retrieve’, described in **Fout! Verwijzingsbron niet gevonden.**

Step 08: System converts the contents of the message, selected by the actor, to information responses. Line 1 of the output file is used for headings, the actual output is written to line 2, and further.

Step 09: System opens up a dialogue, enabling the actor to save the output file to a local drive or server, accessible to the actor from his working device. Note that the actor must have writing privileges to the specified location (error handling by the Operating System installed on the actor’s device).

Step 10: The actor may select a new workflow to download the notification

Step 11: The use case ends when the actor invokes a new search for Notifications of Registration, or selects another EUCARIS web client menu item, or closes the browser window, or closes the browser entirely.

End of use case.

2.2.2 Postconditions basic flow

The results of this use case are:

- One or more VH notifications have been downloaded an output file (can be csv or zip(in case of multiple files)) .

2.3 Alternate flow 1: Cancel

Anytime, the actor can cancel operations, either by choosing another menu option in the EUCARIS web client, or by closing the current browser window, or by closing the browser entirely.

If this happens, this means end of use case. When the user returns at a later stage, the use case starts from the beginning. Data from the current session is lost.

Note: The system shall consider a notification for which download has been cancelled, as “not retrieved”.

2.3.1 Postconditions alternate flow 1

The results of this use case are:

- After cancellation, no data of the query that the actor was performing, is kept.

2.4 Alternate flow 91: Error notification received

This alternate flow applies if retrieval of messages belonging to a certain workflow, has resulted in an error notification.

Most likely causes of errors:

- The actor has made an error in typing in the *WorkflowId* or *ExternalWorkflowId* (Resulting in MessageCode = 21 Workflow error, WorkflowUnknown).
- Selected service and workflow do not match, i.e. the *ExternalWorkflowId* provided by the actor, defines a workflow that does not match with the current service (Resulting in MessageCode = 21 Workflow error, WorkflowVerificationError).
- The actor used the *ExternalWorkflowId* for identification, but since this identification is not necessarily unique, it may have been re-used, resulting in an error in this retrieval process (MessageCode = 21 WorkflowError, DuplicateWorkflowsFound). If this happens, the actor should use the *WorkflowId*, rather than *ExternalWorkflowId*, to find the right workflow.

Step 01: System displays the error notification.

Screen Item	Message element	Remarks
Result status	MessageCode MessageVariable	Format <i>MessageCode</i> plus matching description plus <i>MessageVariable</i> .

Step 02: The actor may correct the input and repeat the retrieval (resume **basic flow** step 04).

The actor can also browse a list of available workflows, to find the correct workflow identifier (resume **basic flow** step 03).

Step 03: The use case ends when the actor starts a new query, or invokes another menu option in the EUCARIS web client, or closes the current browser window, or closes the browser entirely.

End of use case.

2.4.1 Postconditions alternate flow 91

The results of this use case are:

- Retrieval failed because of a workflow error.

3 Validation rules

Check on search dates and times

If End date time < start date time than the following message will be shown on the screen:

“End date time should be greater than or equal to Start date time”

4 Screen shots

4.1 Menu option

VH Notification, View Notification of Re-registration

4.2 Initial presentation

<MessageService name> View Notification of Re-registration

Stat Date time

End date time

Initiating Country ▾ •

Workflow ID

Not retrieved only

Show entries

dateTime stamp	Initiating Country	Workflowid	Initiating sender name	
Time Stamp	Initiating Member State	coreWorkflowid	OrganizationName	
2022/07/19 22:52	A	9762e488-19cf-410c-bec8-47a767dea002	MSAsyncaN001	

Showing 1 to x of y entries

4.3 Output file

5.1 Output file creation

The file is written in utf-8 encoding. Default file name is VHNotification_<ExternalWorkflowId>.xml. In the dialogue to save the file to its location, the actor may change the file name.