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Test case #13983 CHATC_ARR_CONF

Test Summary

Keyword :	CHATC_ARR_CONF_CTS	**Type :**	conformity assessment
Name :	CHATC_ARR_CONF	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	vhofman	**Verified by :**	**Not verified**
Date of last	2024-01-26 16:17:36.119076 by vhofman		

Short Description : Configuration and data feed for the ATC Patient Audit Record Repository.

Test Description

Special Instructions

This test case shall be executed as the first test for the ATC Patient Audit Record Repository (PARR) because it gives guidance to the user on how to configure and populate his/her repository.

Description

Test data to load

A set of AuditEvent has been defined. Depending on the architecture of your PARR, you might either need to import the original ATNA Audit messages or the generated FHIR AuditEvent resources. Both are made available.

As a pre-requisite, you are asked to populate your system using the test data available at https://ehealthsuisse.ihe-europe.net/test_data/ch_atc. Two archives are available there:

- ATNA_AuditMesages.zip contains the ATNA Audit messages
- FHIR_AuditEvents.zip contains the FHIR AuditEvent resources

ADR Provider to integrate with

For each ITI-81 transaction that will be performed in the ATC tests, a CH:ADR Authorization Decision Query is expected from the PARR to an ADR Provider. Patient audit record information shall be disclosed or not according to the Authorization Decision response. The **PARR must be configured to send Authorization Decision Queries to the Gazelle simulator ADR Provider.**

Gazelle ADR Provider service => https://ehealthsuisse.ihe-europe.net:10443/adr-provider?wsdl (URL secured with mutual authentication, not displayable in a web browser)
Simulator documentation => https://ehealthsuisse.ihe-europe.net/gazelle-documentation/EPR-ADR-Simulator/user.html

Evaluation

No formal evaluation is expected for this test, the next tests will demonstrate that you have correctly configured your repository

Test Participants

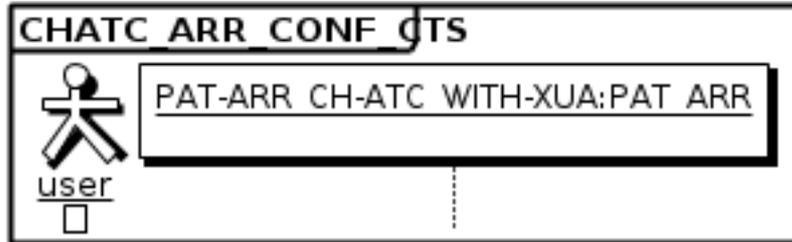| Role in test : PAT-ARR_CH-ATC_WITH-XUA (SUT)	Option : R	Nb of instances : 1

Actor	Profile	Option	
X-SERV-USR	XUA	NONE	
AUTH_DECI_CONS	CH:ADR	NONE	
RESOURCE_SERVER	IUA	NONE	
PAT_ARR	CH:ATC	NONE	

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description

Sequence Diagram

Test case #13982 CHATC_ARR_ITI81_ErrorCases

Test Summary

Keyword :	CHATC_ARR_ITI81_ErrorCases_CTS	**Type :**	conformity assessment
Name :	CHATC_ARR_ITI81_ErrorCases	**Peer Type :**	NO_PEER_TEST
Version :	1.1	**Status :**	ready
Author :	vhofman	**Verified by :**	**Not verified**
Date of last	2024-01-26 16:17:46.445056 by vhofman		

Short Description : Patient Audit Record Repository must handle correctly authorization enforcement and various error situations of ITI-81 according to CH:ATC profile.

Test Description

Special Instructions

As a pre-requisite, you have run the **CHATC_ARR_CONF** test and your system contains the expected set of data for this test to be executed correctly and is integrated with Gazelle ADR Provider simulator.
This test is executed using Gazelle Webservice Tester as a CH:ATC Patient Audit Consumer actor. A test suite has been designed to issue search requests on AuditEvent resources in conformance to the CH:ATC specifications.
One of the error conditions is related to the support to IUA and CH:ADR profile. We want your system to demonstrate its ability to verify an authorization decision.

The Patient Audit Record Repository actor is also expected to act as an AuthorizationDecision Consumer. This test will also be used to assess this role for error case. In order to validate the conformity of your system in this role, you'll need to follow the instructions from this test case :

CHADR_FOR_CONSUMER

Description

The tested System Under Test is the Patient Audit Record Repository. This test covers the ITI-81 : Retrieve ATNA Audit Event transaction.

-Before anything, configure your system to be able to test its role as an ADR Consumer.

This test checks the ability of your system to handle the following error cases:

- Check that the system rejects the request if the user identified in the SAML token is not authorized to access the informations related to the patient identifier defined in entity-id parameter (grouped with CH:ADR client)
- entity-id parameter is not provided (but date parameter provided)
- date parameter not provided (but entity-id provided)
- no match found
- unauthorized parameter is used in the query

The requests will be sent to your SUT from Gazelle Webservice Tester. To execute this test:

1. Access Gazelle Webservice Tester and log into the application;
2. Go to menu "Run";
3. Select the test project name **EPR CH:ATC Patient Audit Consumer** from the drop-down list;
4. Select test suite **ErrorCases** by ticking the checkbox in front of its name;
5. Enter the URL of your system under test endpoint (shall be a secured endpoint)
6. Click on "Run" button
7. Wait for the script to complete its execution;
8. When the script stops, copy the permanent link of the execution to the test step in Gazelle Test Management

The conformance of the responses sent back by your system shall be assessed.

All returned code shall be 400 (Bad Request) or 401 (Unauthorized) for the IUA error.

Evaluation

The global status of the GWT execution shall report a **Success.**

The monitor will check that Error codes are returned by your server in the execution.

Test Participants

Role in test : CH_ADR_PROVIDER_SIMULATOR (Tool)	**Option :** R	**Nb of instances :** 1

Test Participants

Role in test : PAT-ARR_CH-ATC_WITH-XUA (SUT)		Option : R	Nb of instances : 1

Actor	Profile	Option	
X-SERV-USR	XUA	NONE	
AUTH_DECI_CONS	CH:ADR	NONE	
RESOURCE_SERVER	IUA	NONE	
PAT_ARR	CH:ATC	NONE	

Role in test : PAT-AUDIT-CONS_CH-ATC_SIMULATOR (Tool)		Option : R	Nb of instances : 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
5	PAT-AUDIT-CONS_CH-ATC_SIMULATOR	PAT-AUDIT-CONS_CH-ATC_SIMULATOR		None	No	Required	
[OTHER_ACTION] The Document Registry is configured to communicate properly with the ADR provider simulator.							
10	PAT-AUDIT-CONS_CH-ATC_SIMULATOR	PAT-AUDIT-CONS_CH-ATC_SIMULATOR		None	No	Required	
[OTHER-ACTION] Access Gazelle Webservice Tester, select the EPR CH:ATC Patient Audit Consumer project and check the "ErrorCases" test suite. Configure the endpoint of your Audit Record Repository							
20	PAT-AUDIT-CONS_CH-ATC_SIMULATOR	PAT-ARR_CH-ATC_WITH-XUA	ITI-81	Search	No	Required	
[TRANSACTION][EVIDENCE] The tool will issue a serie of Audit Message Retrieve transactions using the various parameters defined in this transaction. Your system is expected to return the expected error code. Please in this step the link to the Gazelle Webservice Tester execution result.							
30	PAT-ARR_CH-ATC_WITH-XUA	CH_ADR_PROVIDER_SIMULATOR	AUTH_DECISION_REQUEST	XACMLAuthzDecisionQuery	Yes	Required	
[TRANSACTION] [EVIDENCE] An Authorization Decision Query have been issued to retrieve access decision for the "Error cases / authorization / authorization" step.							
40	PAT-AUDIT-CONS_CH-ATC_SIMULATOR	PAT-AUDIT-CONS_CH-ATC_SIMULATOR		None	No	Required	

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description

[EVIDENCE] : The SUT operator proves that a link to EVS Client validation for the ADR query of the "Error cases / authorization / authorization" test step has been added to the CHADR_FOR_CONSUMER test case.

Sequence Diagram

Test case #13981 CHATC_ARR_ITI81_NormalCases

Test Summary

Keyword : CHATC_ARR_ITI81_NormalCases_CTS
Name : CHATC_ARR_ITI81_NormalCases
Version : 1.3
Author : vhofman
Date of last 2024-01-26 16:17:53.556463 by vhofman

Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : **Not verified**

Short Description : The purpose of this test case is to make sure your Patient Audit Record Repository is able to answer to the Search operation on AuditEvent resources using the search parameters as defined in CH:ATC profile

Test Description

Special Instructions

As a pre-requisite, you have run the **CHATC_ARR_CONF** test. Your system contains the expected set of data for this test to be executed correctly and is integrated with Gazelle ADR Provider simulator.
This test is executed using Gazelle Webservice Tester as a CH:ATC Patient Audit Consumer actor. A test suite has been designed to issue search requests on AuditEvent resources in conformance to the CH:ATC specifications.

The Patient Audit Record Repository actor is expected to act as a X-Service user when sending an AuthorizationDecision query to an ADR Provider. This test will also be used to assess this role. In order to do so, you'll need to follow the instructions from this test case :

XUA_X-SERVICE-USER_ITI-40

The Patient Audit Record Repository actor is also expected to act as an AuthorizationDecision Consumer. This test will also be used to assess this role for error case. In order to validate the conformity of your system in this role, you'll need to follow the instructions from this test case :

CHADR_FOR_CONSUMER

Description

The System Under Test (SUT) is the Patient Audit Record Repository.
This test covers the ITI-81 : Retrieve ATNA Audit Event transaction in nominal cases.

- Before anything, configure your system to be able to test its role as an ADR Consumer and X-Service User.

The requests will be sent to your SUT from Gazelle Webservice Tester. To execute this test:

1. Access Gazelle Webservice Tester and log into the application;
2. Go to menu "Run";
3. Select the test project name **EPR CH:ATC Patient Audit Consumer** from the drop-down list;
4. Select test suite **NormalCases** by ticking the checkbox in front of its name;
5. Enter the URL of your system under test endpoint (shall be a secured endpoint)
6. Click on "Run" button
7. Wait for the script to complete its execution;
8. When the script stops, copy the permanent link of the execution to the test step in Gazelle Test Management.

The conformance of the responses sent back by your system shall be assessed. In Gazelle Webservice Tester, for the steps not marked as [INTERNAL], validate the message in EVSClient. To do so:

1. Click on the play icon next to the response type;
2. You have been redirected to EVSClient; In the dropdown list, select the validator: **CH:ATC (R4)** in the EPR group and hit the "**Go**" button;
3. You have been redirected to the "Validate FHIR resources and requests" page, select the "**[ITI-81] Retrieve ATNA Audit Event**" item in the list and click on "**Validate**";
4. When the validation report shows up, a pop-up raises for returning the validation report to GWT, click on "OK";

Evaluation

The global status of the Gazelle Webservice Tester execution shall report a **Success**.

Each of the ITI-81 responses returned by the SUT must be validated with EVSClient and the validation result must be **Passed**.

The monitor will check that you copied the link to this test instance to the corresponding test step of the test case in XUA_X-SERVICE-USER_ITI-40.

The monitor will also check that you copied the link to the EVS Client validations for one ADR Authorization Decision query to the corresponding test step of CHADR_FOR_CONSUMER.

Test Participants

Role in test : CH_ADR_PROVIDER_SIMULATOR (Tool)	Option : R	Nb of instances : 1

Role in test : PAT-ARR_CH-ATC_WITH-XUA (SUT)	Option : R	Nb of instances : 1

Actor	Profile	Option
X-SERV-USR	XUA	NONE
AUTH_DECI_CONS	CH:ADR	NONE
RESOURCE_SERVER	IUA	NONE
PAT_ARR	CH:ATC	NONE

Role in test : PAT-AUDIT-CONS_CH-ATC_SIMULATOR (Tool)	Option : R	Nb of instances : 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
5	PAT-AUDIT-CONS_CH-ATC_SIMULATOR	PAT-AUDIT-CONS_CH-ATC_SIMULATOR		None	No	Required	
	[OTHER_ACTION] : The system is configurated to be able to register its audit messages.						
7	PAT-AUDIT-CONS_CH-ATC_SIMULATOR	PAT-AUDIT-CONS_CH-ATC_SIMULATOR		None	No	Required	
	[OTHER_ACTION] The Document Registry is configured to communicate properly with the ADR provider simulator.						
10	PAT-AUDIT-CONS_CH-ATC_SIMULATOR	PAT-AUDIT-CONS_CH-ATC_SIMULATOR		None	No	Required	
	[OTHER-ACTION] Access Gazelle Webservice Tester, go to the "Run" menu, select the "EPR CH:ATC Patient Audit Consumer" project and check the "NormalCases" test suite. Configure the endpoint of your audit record repository and click "Run"						
20	PAT-AUDIT-CONS_CH-ATC_SIMULATOR	PAT-ARR_CH-ATC_WITH-XUA	ITI-81	Search	No	Required	
	[TRANSACTION][EVIDENCE] The tool will issue a series of Audit Message Retrieve transactions using the various parameters defined in this transaction. Your system is expected to return the corresponding AuditEvent resources gathered in a Bundle. Once the execution is over, you access the execution result in Gazelle Webservice Tester. Please validate responses from your SUT and paste the link to the Gazelle Webservice Tester execution in this step.						

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
25	PAT-ARR_CH-ATC_WITH-XUA	CH_ADR_PROVIDER_SIMULATOR	ITI-40	SAML Assertion	Yes	Required	

[TRANSACTION] : An ITI-40 is sent in parallel to each ADR Authorization Decision request from the SUT to the ADR Decision Provider

| 30 | PAT-ARR_CH-ATC_WITH-XUA | CH_ADR_PROVIDER_SIMULATOR | AUTH_DECISION_REQUEST | XACMLAuthzDecisionQuery | Yes | Required | |

[TRANSACTION] : Several Authz Decision Queries have been performed to retrieve an access decision for the ITI-81 test suite.

| 50 | PAT-AUDIT-CONS_CH-ATC_SIMULATOR | PAT-AUDIT-CONS_CH-ATC_SIMULATOR | | None | No | Required | |

[EVIDENCE] : The SUT operator proves that a link to this test instance has been added to the XUA_X-SERVICE-USER_ITI-40 test case.

| 60 | PAT-AUDIT-CONS_CH-ATC_SIMULATOR | PAT-AUDIT-CONS_CH-ATC_SIMULATOR | | None | No | Required | |

[EVIDENCE] : The SUT operator proves that a link to EVS Client validation for an ADR query has been added to the CHADR_FOR_CONSUMER test case.

Sequence Diagram

CHATC_ARR_ITI81_NormalCases_CTS
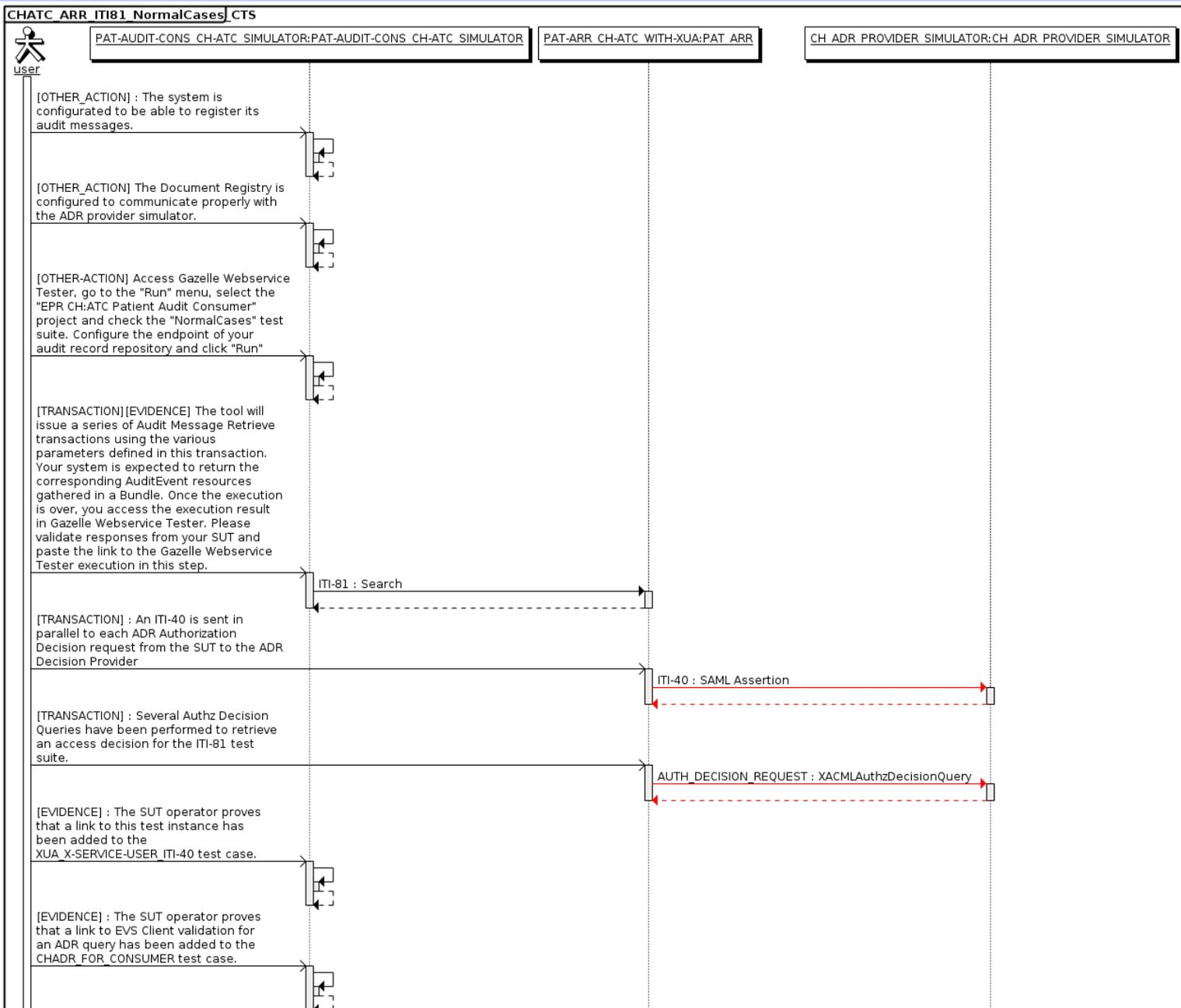
Test case #13980 CHATC_PAT_AUDIT_CONS_ITI81

Test Summary

Keyword : CHATC_PAT_AUDIT_CONS_ITI81_CTS

Name : CHATC_PAT_AUDIT_CONS_ITI81

Version : 1.3

Author : vhofman

Date of last 2024-01-26 16:18:03.299054 by vhofman

Type : conformity assessment

Peer Type : NO_PEER_TEST

Status : ready

Verified by : Not verified

Short Description : This is a no-peer test run against a simulator of the ATC Audit Record Repository actor. We are checking that the Patient Audit Consumer is able to query using the required parameter and evaluate its capability to use the optional parameter. This test also checks that the system sends the IUA assertion in the HTTP header.

Test Description

Special Instructions

This test is run against a test tool. Configuration of the ATC Patient Audit Record Repository actor is given on the home page of the test platform.

Systems claiming conformance to the Patient Audit Consumer actor are required to support the IUA profile as an Authorization Client actor, that is to say that the simulator expects the incoming message to have an Authorization HTTP header as specified in IUA, SAML Token option.

Description

The tested System Under Test is the Patient Audit Consumer.

The ATC Patient Audit Record Repository Mockup endpoint : https://ehealthsuisse.ihe-europe.net:10443/atc-record-repository

This test covers the ITI-81 : Retrieve ATNA Audit Event transaction. It covers nominal cases for all possible parameters of the request.

For each of the following queries, you are asked to upload a screen shot of your system, displaying the content of the received audit event(s).

This test checks the ability of your system to search for Audit Events based on the required and optional parameters defined in the CH:ATC profile. Configure your system to contact the Patient Audit Record Repository available in the test platform and send the following queries:

1. Search for audit events issued between July, 1st 2017 and today for patient with Identifier 761337610430891416^^^&2.16.756.5.30.1.127.3.10.3&ISO
2. Search for audit events issued from **September**, 1st 2017 for patient with Identifier 761337610435209810^^^&2.16.756.5.30.1.127.3.10.3&ISO for events with role 'Job' (code = 20)
3. Search for audit events of subtype 'ATC_POL_CREATE_AUT_PART_AL' issued from March, 14th 2017 for patient with Identifier 761337610436974489^^^&2.16.756.5.30.1.127.3.10.3&ISO

The messages exchanged between your SUT and the simulator should have been recorded and be available in **Gazelle Webservice Tester**. For each test step flagged with [TRANSACTION]:

1. Access the messages in Gazelle Webservice Tester from the "**Mock messages**";
2. Find out the message of interest, you can use the filters to ease your search (we also recommand to do it before you move to the next step);
3. Copy the permanent link of the message in the test step using the "add link" feature.

Evaluation

For each request, make sure a response has been received and can be displayed. For each search here are expected results :

1. One Audit Event returned with ID : Patient1-create-AE
2. One Audit Event returned with ID : Patient2-read-bis-AE
3. One Audit Event returned with ID : Patient3-create-acc-right-AE

Make sure that all the requests are using the **HTTPS** scheme.
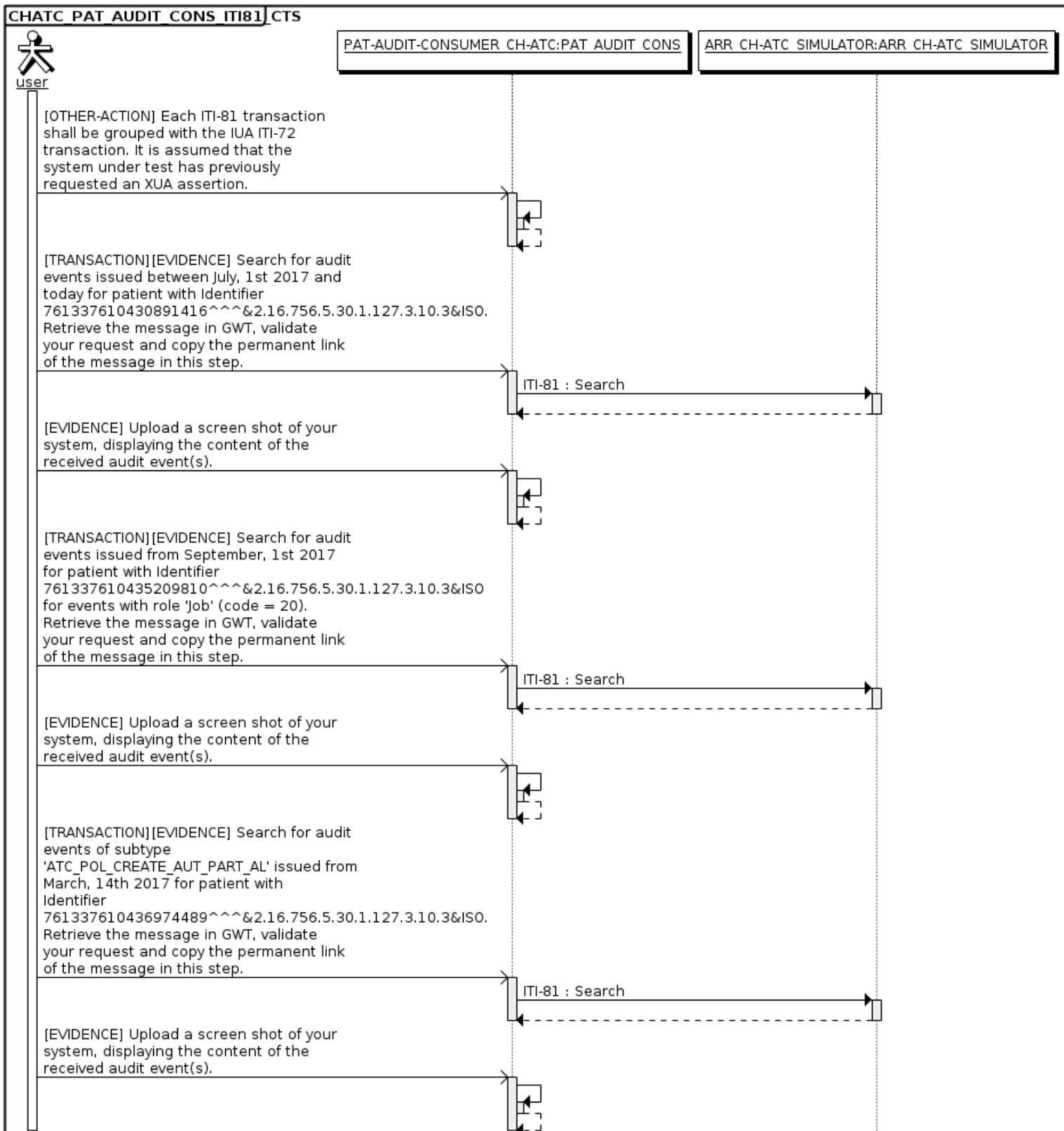
Test Participants

Role in test : ARR_CH-ATC_SIMULATOR (Tool) **Option :** R **Nb of instances :** 1

Role in test : PAT-AUDIT-CONSUMER_CH-ATC (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
PAT_AUDIT_CONS	CH:ATC	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
1	PAT-AUDIT-CONSUMER_CH-ATC	PAT-AUDIT-CONSUMER_CH-ATC		Get Authorization Token	No	Required	

[OTHER-ACTION] Each ITI-81 transaction shall be grouped with the IUA ITI-72 transaction. It is assumed that the system under test has previously requested an XUA assertion.

| 2 | PAT-AUDIT-CONSUMER_CH-ATC | ARR_CH-ATC_SIMULATOR | ITI-81 | Search | No | Required | |

[TRANSACTION][EVIDENCE] Search for audit events issued between July, 1st 2017 and today for patient with Identifier 761337610430891416^^^&2.16.756.5.30.1.127.3.10.3&ISO. Retrieve the message in GWT, validate your request and copy the permanent link of the message in this step.

| 3 | PAT-AUDIT-CONSUMER_CH-ATC | PAT-AUDIT-CONSUMER_CH-ATC | | None | No | Required | |

[EVIDENCE] Upload a screen shot of your system, displaying the content of the received audit event(s).

| 4 | PAT-AUDIT-CONSUMER_CH-ATC | ARR_CH-ATC_SIMULATOR | ITI-81 | Search | No | Optional | |

[TRANSACTION][EVIDENCE] Search for audit events issued from September, 1st 2017 for patient with Identifier 761337610435209810^^^&2.16.756.5.30.1.127.3.10.3&ISO for events with role 'Job' (code = 20). Retrieve the message in GWT, validate your request and copy the permanent link of the message in this step.

| 5 | PAT-AUDIT-CONSUMER_CH-ATC | PAT-AUDIT-CONSUMER_CH-ATC | | None | No | Required | |

[EVIDENCE] Upload a screen shot of your system, displaying the content of the received audit event(s).

| 8 | PAT-AUDIT-CONSUMER_CH-ATC | ARR_CH-ATC_SIMULATOR | ITI-81 | Search | No | Optional | |

[TRANSACTION][EVIDENCE] Search for audit events of subtype 'ATC_POL_CREATE_AUT_PART_AL' issued from March, 14th 2017 for patient with Identifier 761337610436974489^^^&2.16.756.5.30.1.127.3.10.3&ISO. Retrieve the message in GWT, validate your request and copy the permanent link of the message in this step.

| 9 | PAT-AUDIT-CONSUMER_CH-ATC | PAT-AUDIT-CONSUMER_CH-ATC | | None | No | Required | |

[EVIDENCE] Upload a screen shot of your system, displaying the content of the received audit event(s).

Sequence Diagram

CHATC_PAT_AUDIT_CONS_ITI81 CTS

PAT-AUDIT-CONSUMER CH-ATC:PAT_AUDIT_CONS | ARR_CH-ATC_SIMULATOR:ARR_CH-ATC_SIMULATOR

user

[OTHER-ACTION] Each ITI-81 transaction shall be grouped with the IUA ITI-72 transaction. It is assumed that the system under test has previously requested an XUA assertion.

[TRANSACTION][EVIDENCE] Search for audit events issued between July, 1st 2017 and today for patient with Identifier 761337610430891416^^^&2.16.756.5.30.1.127.3.10.3&ISO. Retrieve the message in GWT, validate your request and copy the permanent link of the message in this step.

ITI-81 : Search

[EVIDENCE] Upload a screen shot of your system, displaying the content of the received audit event(s).

[TRANSACTION][EVIDENCE] Search for audit events issued from September, 1st 2017 for patient with Identifier 761337610435209810^^^&2.16.756.5.30.1.127.3.10.3&ISO for events with role 'Job' (code = 20). Retrieve the message in GWT, validate your request and copy the permanent link of the message in this step.

ITI-81 : Search

[EVIDENCE] Upload a screen shot of your system, displaying the content of the received audit event(s).

[TRANSACTION][EVIDENCE] Search for audit events of subtype 'ATC_POL_CREATE_AUT_PART_AL' issued from March, 14th 2017 for patient with Identifier 761337610436974489^^^&2.16.756.5.30.1.127.3.10.3&ISO. Retrieve the message in GWT, validate your request and copy the permanent link of the message in this step.

ITI-81 : Search

[EVIDENCE] Upload a screen shot of your system, displaying the content of the received audit event(s).

Test case #13979 CHATC_PAT_AUDIT_CONS_Translate

Test Summary

Keyword :	CHATC_PAT_AUDIT_CONS_Transl_CTS	**Type :**	conformity assessment
Name :	CHATC_PAT_AUDIT_CONS_Translate	**Peer Type :**	NO_PEER_TEST
Version :	1.1	**Status :**	ready
Author :	vhofman	**Verified by :**	**Not verified**
Date of last	2024-01-26 16:18:18.497828 by vhofman		

Short Description : Verify that a Patient Portal is able to translate Audit Events with codes into German, French or Italian

Test Description

Special instruction

You are not required to run the full process (user login, SAML authentication, XCA Querying, etc.) to display the Audit Events. If you can have the Audit Events through debug or other developer access, it is acceptable as only your system's translation ability is tested here.

Description

This test is about to verify translation of Audit Events when the message is provided to the user (through a GUI or a report). The Patient Audit Consumer will show one Audit Event per required languages at least (German, French and Italian). You must attach **original** Audit Events AND **translated** Audit Event to the tests step providing a file or a link if your system has a web GUI.

Evaluation

The Monitor will verify for German, French and Italian that the displayed Audit Events have coded-values properly translated according to EPDV-EDI_Anhang_5_E1_DE_Ausgabe_1 (You must log in with your Gazelle account).

- It can be any Audit Event Type that is defined in CH:ATC
- At least one Audit Event Type per language.
- Error in translation of coded-value will fail the test.
- Typo errors must be reported but will NOT fail the test.

Test Participants

Role in test : PAT-AUDIT-CONSUMER_CH-ATC (SUT)	Option : R	Nb of instances : 1
Actor	**Profile**	**Option**
PAT_AUDIT_CONS	CH:ATC	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	PAT-AUDIT-CONSUMER_CH-ATC	PAT-AUDIT-CONSUMER_CH-ATC		None	No	Required	
[EVIDENCE] Provide here German translation evidences							
20	PAT-AUDIT-CONSUMER_CH-ATC	PAT-AUDIT-CONSUMER_CH-ATC		None	No	Required	
[EVIDENCE] Provide here French translation evidences							

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
30	PAT-AUDIT-CONSUMER_CH-ATC	PAT-AUDIT-CONSUMER_CH-ATC		None	No	Required	

[EVIDENCE] Provide here Italian translation evidences

Sequence Diagram