

Table of Contents

CHPIXm_MGR_ITI-104_CTS	1
CHPIXm_MGR_ITI-104_ErrorCase_CTS	3
CHPIXm_MGR_ITI-83_CTS	5
CHPIXm_MGR_ITI-83_ErrorCase_CTS	7
CHPIXm_SERVER_CONF_CTS	10

Test case #14196 CHPIXm_MGR_ITI-104

Test Summary

Keyword : CHPIXm_MGR_ITI-104_CTS	Type : conformity assessment
Name : CHPIXm_MGR_ITI-104	Peer Type : NO_PEER_TEST
Version : 1.2	Status : ready
Author : angelina.ker	Verified by : Not verified
Date of last 2026-07-17 14:03:32.810923 by vhofman	

Short Description : This test checks the ability of the CH:PIXm Patient Identifier Cross-Reference Manager to respond to the query exchanged in the context of the Patient Identity Feed (ITI-104) transaction.

Test Description

Special Instructions

This test is executed using Gazelle Webservice Tester as a simulator CH:PIXm Patient Identifier Cross-reference Source actor.

A test suite has been designed to issue feed requests to Patient Identity Cross-reference Manager in conformance to the nominal cases of the CH:PIXm specifications.

Description

This automated test project in GWT is composed by 2 major steps:

1. The simulator will request your System Under Test to **add**, **update** and **delete** a patient.
2. The simulator will request your System Under Test to add 2 patients, **merge** them and request them through an ITI-83 query (patient 1 should be available but not patient 2)

For each test step not marked as [INTERNAL] in GWT:

- HTTP status code of 200 is returned on success

To run this test:

1. Access [Gazelle Webservice Tester](#) and log into the application.
2. Go to menu "Run".
3. Select the test project name « **EPR PIXm Manager - ITI-104** » 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.

You are requested to provide the permanent link to the message exchanged with the simulator. Once the simulator has received the response from your system, a report is displayed at the bottom of the page.

1. Scroll down to this section.
2. Click on the play icon next to the response message type to trigger the validation of the message sent by your system. You have been redirected to [EVSClient](#), select validator: **EPR > CH EPR FHIR** and hit the "Go" button.
3. We expect the outcome of the validation to be PASSED.

Evaluation

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

The monitor will check that you copied the link to this test instance to the corresponding test step. He will check also the validation result of the response message.

Test Participants

Test Participants

Role in test : PAT_IDENTIFIER_X_REF_MANAGER-CHPIXm

Option : R

Nb of instances : 1

Actor	Profile	Option
PAT_ID_X_REF_MGR	PIXm	NONE
PAT_ID_X_REF_MGR	CH:PIXm	NONE

Role in test : PAT_IDENTIFIER_X_REF_SOURCE-CHPIXm-

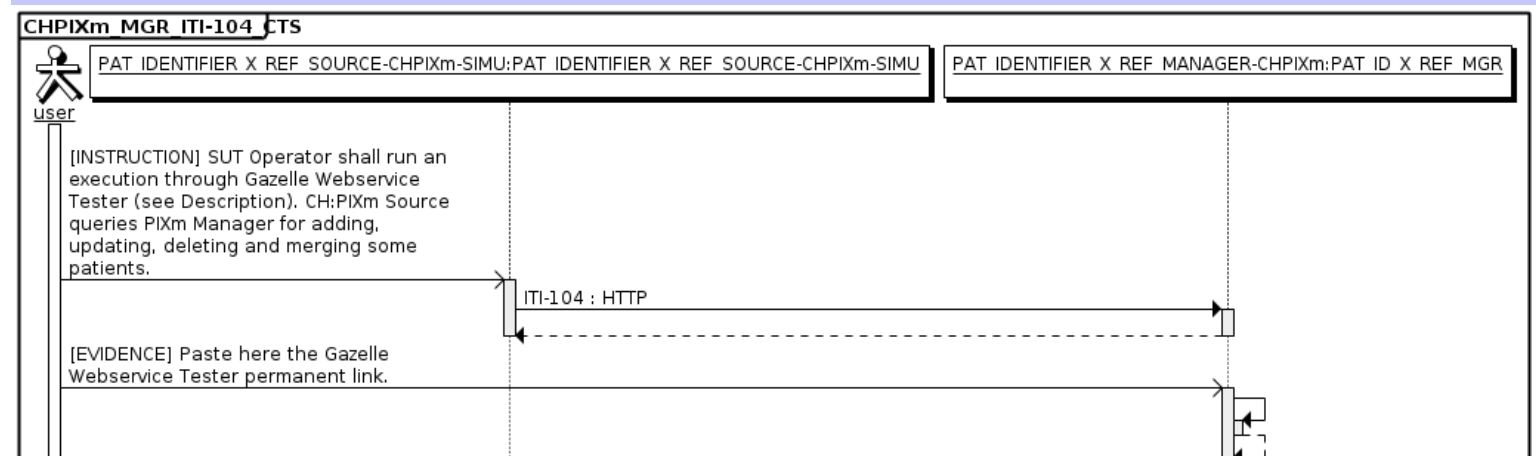
Option : R

Nb of instances : 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	PAT_IDENTIFIER_X_REF_SOURCE-CHPIXm-SIMU	PAT_IDENTIFIER_X_REF_MANAGER-CHPIXm	ITI-104	HTTP	No	Required	
[INSTRUCTION] SUT Operator shall run an execution through Gazelle Webservice Tester (see Description). CH:PIXm Source queries PIXm Manager for adding, updating, deleting and merging some patients.							
20	PAT_IDENTIFIER_X_REF_MANAGER-CHPIXm	PAT_IDENTIFIER_X_REF_MANAGER-CHPIXm		NONE	No	Required	
[EVIDENCE] Paste here the Gazelle Webservice Tester permanent link.							

Sequence Diagram



Test case #14197 CHPIXm_MGR_ITI-104_ErrorCase

Test Summary

Keyword : CHPIXm_MGR_ITI-104_ErrorCase_CTS
Name : CHPIXm_MGR_ITI-104_ErrorCase
Version : 1.2
Author : angelina.ker
Date of last : 2026-07-17 14:04:32.161612 by vhofman

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

Short Description : This test checks the ability of the CH:PIXm Patient Identifier Cross-Reference Manager to respond to non conformed queries exchanged in the context of the Patient Identity Query (ITI-104) transaction.

Test Description

Special Instructions

This test is executed using Gazelle Webservice Tester as a simulator CH:PIXm Patient Identifier Cross-reference Source actor.

A test suite has been designed to issue feed requests to Patient Identity Cross-reference Manager in conformance to the nominal cases of the CH:PIXm specifications.

Description

This client simulator in GWT will send to your System Under Test non compliant requests:

1. Create request without identifier in the URI
2. Create request without IUA Token
3. Create requests with a religion data in the resource

For each test step not marked as [INTERNAL] in GWT:

- HTTP status code of 200 shall not be returned

To run this test:

1. Access [Gazelle Webservice Tester](#) and log into the application.
2. Go to menu "Run",
3. Select the test project name « **EPR PIXm Manager - ITI-104** » 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 can't be assessed.

Evaluation

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

The monitor will check that you copied the link to this test instance to the corresponding test step.

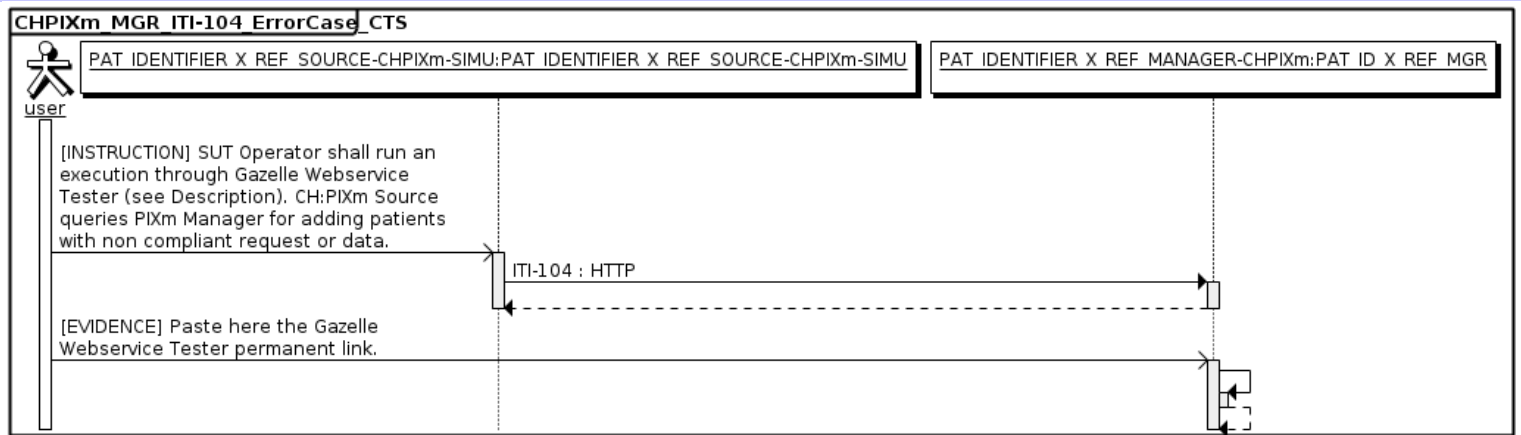
Test Participants

Role in test : PAT_IDENTIFIER_X_REF_MANAGER-CHPIXm			Option : R	Nb of instances : 1
Actor	Profile	Option		
PAT_ID_X_REF_MGR	PIXm	NONE		
PAT_ID_X_REF_MGR	CH:PIXm	NONE		
Role in test : PAT_IDENTIFIER_X_REF_SOURCE-CHPIXm-			Option : R	Nb of instances : 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	PAT_IDENTIFI ER_X_REF_SOU RCE-CHPIXm- SIMU	PAT_IDENTIFI ER_X_REF_M ANAGER-CHPIXm	ITI-104	HTTP	No	Required	[INSTRUCTION] SUT Operator shall run an execution through Gazelle Webservice Tester (see Description). CH:PIXm Source queries PIXm Manager for adding patients with non compliant request or data.
20	PAT_IDENTIFI ER_X_REF_M ANAGER-CHPIXm	PAT_IDENTIFI ER_X_REF_M ANAGER-CHPIXm		NONE	No	Required	[EVIDENCE] Paste here the Gazelle Webservice Tester permanent link.

Sequence Diagram



Test case #14198 CHPIXm_MGR_ITI-83

Test Summary

Keyword : CHPIXm_MGR_ITI-83_CTS
Name : CHPIXm_MGR_ITI-83
Version : 1.2
Author : angelina.ker
Date of last : 2026-07-16 16:55:13.222771 by vhofman
Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : **Not verified**

Short Description : This test checks the ability of the CH:PIXm Patient Identifier Cross-Reference Manager to respond to the query exchanged in the context of the Patient Identity Query (ITI-83) transaction.

Test Description

Special Instructions

You shall have done the test [CHPIXm_SERVER_CONF](#) as a pre-requisite to this test so that your system already contains test data.

This test is executed using Gazelle Webservice Tester as a simulator CH:PIXm Patient Identifier Cross-reference Consumer actor.

A test suite has been designed to issue queries to Patient Identity Cross-reference Manager in conformance to the nominal cases of the CH:PIXm specifications.

Description

This test case covers the PIXm Query Case 1 defined in IHE technical framework: The Patient Identifier Cross-reference Manager recognizes the specified Patient ID sent by the Patient Identifier Cross-reference Consumer in the sourceIdentifier parameter, and corresponding identifiers exist for the specified patient in at least one of the domains requested in the targetSystem field (one identifier per domain).

- HTTP status code of 200 is returned on success.
- If data is found without error, at most 2 identifiers with their assigning authorities are returned.

To run this test:

1. Access [Gazelle Webservice Tester](#) and log into the application.
2. Go to menu "Run".
3. Select the test project name « **EPR PIXm Manager - ITI-83** » from the drop-down list.
4. Select test suite **Nominal Cases** 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] nor [EVAL], 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](#), select validator: **EPR > CH EPR FHIR** and hit the "Go" button.
3. Once the page of the validator opens, select the appropriate entry in the drop-down 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-83 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 and the discovered patientID to the corresponding test step of the test case in CH PIXm ITI-83 Request.

Test Participants

Role in test	Option	Nb of instances
PAT_IDENTIFIER_X_REF_CONSUMER-CHPIXm-	R	1

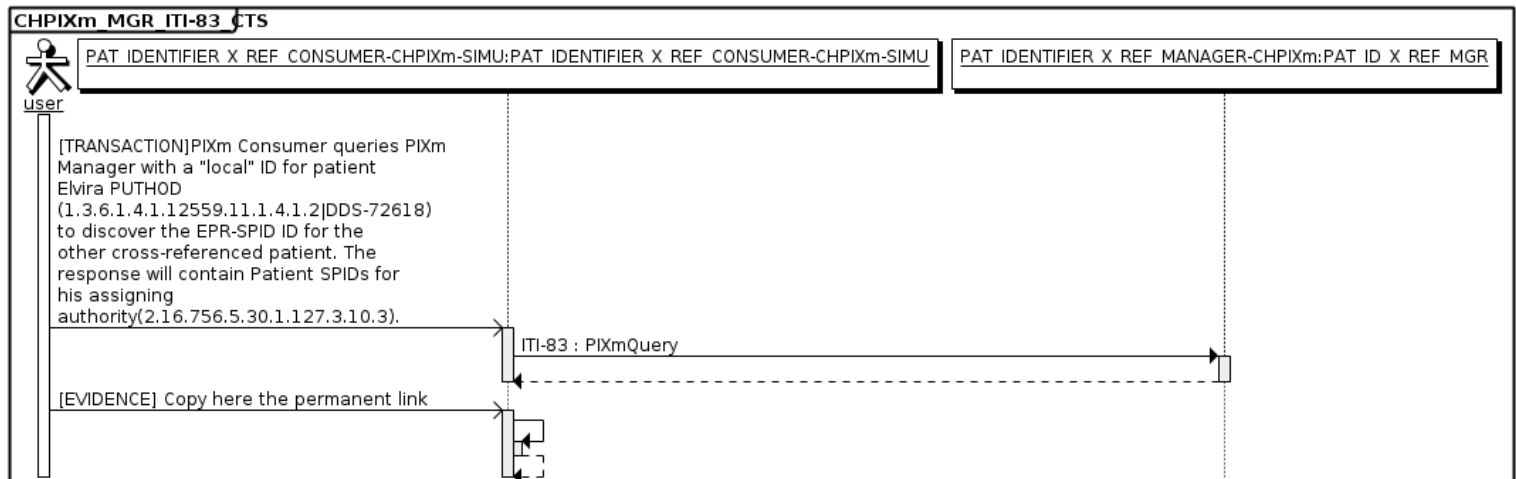
Role in test	Option	Nb of instances
PAT_IDENTIFIER_X_REF_MANAGER-CHPIXm	R	1

Actor	Profile	Option
PAT_ID_X_REF_MGR	PIXm	NONE
PAT_ID_X_REF_MGR	CH:PIXm	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	PAT_IDENTIFI TIFIER_X_ REF_CON SUMER- CHPIXm- SIMU	PAT_IDENTI FIER_X_REF _MANAGER- CHPIXm	ITI-83	PIXmQuery	No	Required	[TRANSACTION]PIXm Consumer queries PIXm Manager with a "local" ID for patient Elvira PUTHOD (1.3.6.1.4.1.12559.11.1.4.1.2 DDS-72618) to discover the EPR-SPID ID for the other cross-referenced patient. The response will contain Patient SPIDs for his assigning authority(2.16.756.5.30.1.127.3.10.3).
20	PAT_IDENTIFI TIFIER_X_ REF_CON SUMER- CHPIXm- SIMU	PAT_IDENTI FIER_X_REF _CONSUME R-CHPIXm- SIMU		EVIDENCE	No	Required	[EVIDENCE] Copy here the permanent link

Sequence Diagram



Test case #14199 CHPIXm_MGR_ITI-83_ErrorCase

Test Summary

Keyword : CHPIXm_MGR_ITI-83_ErrorCase_CTS
Name : CHPIXm_MGR_ITI-83_ErrorCase
Version : 1.3
Author : angelina.ker
Date of last : 2026-07-16 16:55:45.350952 by vhofman
Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : **Not verified**

Short Description : This test checks the ability of the CH:PIXm Patient Identifier Cross-Reference Manager to respond to the query exchanged in the context of the Patient Identity Query (ITI-83) transaction.

Test Description

Special Instructions

You shall have done the test [CHPIXm_SERVER_CONF](#) as a pre-requisite to this test so that your system already contains test data.

This test is executed using Gazelle Webservice Tester as a simulator CH:PIXm Patient Identifier Cross-reference Consumer actor.

A test suite has been designed to issue queries to Patient Identity Cross-reference Manager in conformance to the error cases of the CH:PIXm specifications.

Description

This test case covers the PIXm Query Case 1 defined in IHE technical framework :The Patient Identifier Cross-reference Manager SHALL send errors regarding the type of the request he receives.

- HTTP status code of 400 (Bad Request) is returned when the consumer send a bad written sourceIdentifier,
- HTTP status code of 401 (Unauthorized) is returned when the consumer send at with a missing or a bad ITI-72 IUA Token,
- HTTP status code of 403 (Forbidden) is returned when the consumer send at least 1 unknown targetDomain,
- HTTP status code of 404 (Not Found) is returned when the consumer send an unknown patientId,

To run this test:

1. Access [Gazelle Webservice Tester](#) and log into the application,
2. Go to menu "Run",
3. Select the test project name « **EPR PIXm Manager - ITI-83** » from the drop-down list,
4. Select test suite **Error Cases** 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.

You are requested to provide the permanent link of the message exchanged with the simulator. Once the simulator has received the response from your system, a report is displayed at the bottom of the page.

Evaluation

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

The monitor will verify that the SUT sends correct error codes are returned and notify the result in the test instance.

Test Participants

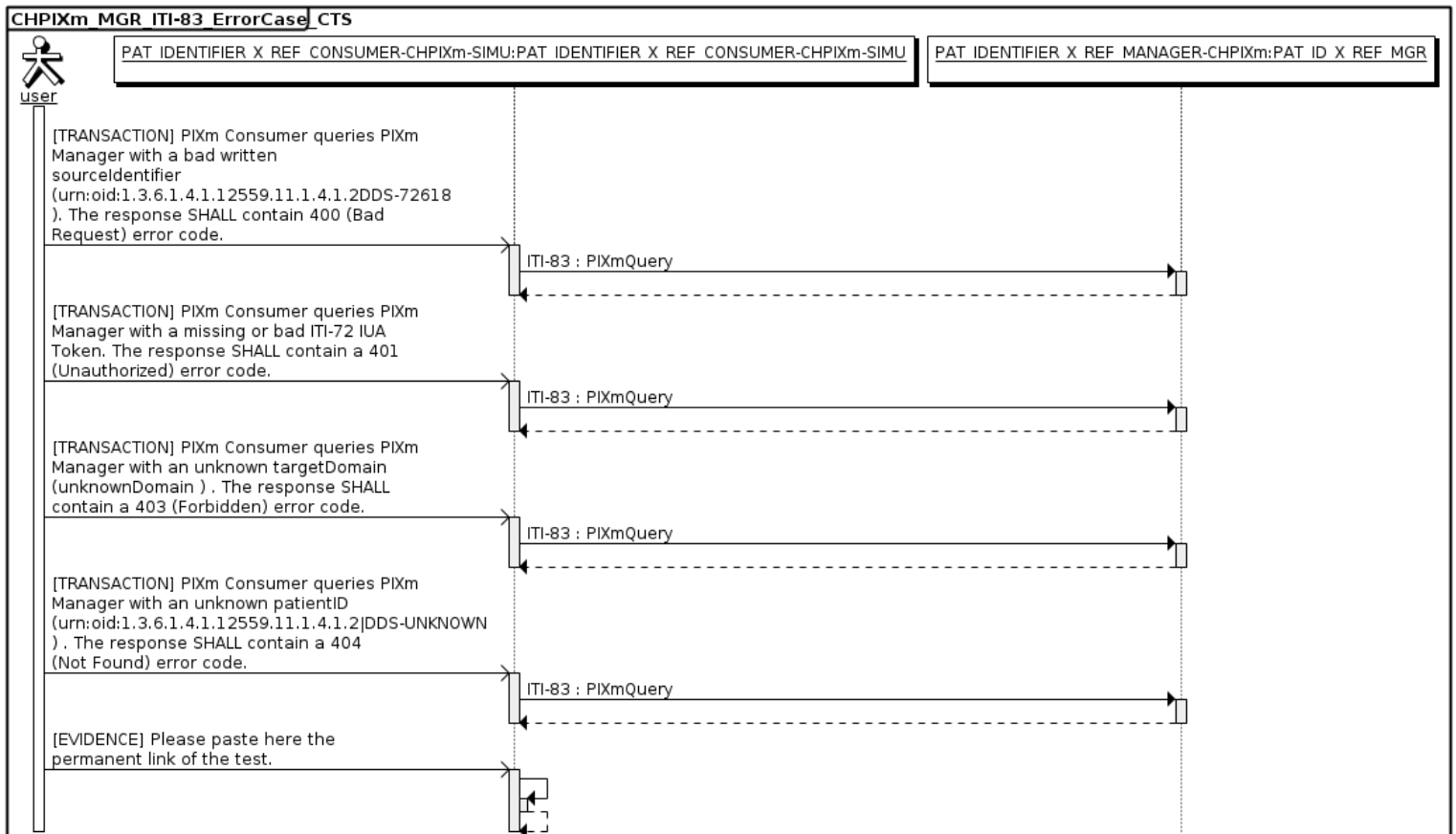
Role in test	Option	Nb of instances
PAT_IDENTIFIER_X_REF_CONSUMER-CHPIXm-	R	1

Role in test	Option	Nb of instances
PAT_IDENTIFIER_X_REF_MANAGER-CHPIXm	R	1

Actor	Profile	Option
PAT_ID_X_REF_MGR	PIXm	NONE
PAT_ID_X_REF_MGR	CH:PIXm	NONE

Test Steps							
Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	PAT_IDEN TIFIER_X_ REF_CON SUMER- CHPIXm- SIMU	PAT_IDENTI FIER_X_REF _MANAGER- CHPIXm	ITI-83	PIXmQuery	No	Required	[TRANSACTION] PIXm Consumer queries PIXm Manager with a bad written sourceIdentifier (urn:oid:1.3.6.1.4.1.12559.11.1.4.1.2DDS-72618). The response SHALL contain 400 (Bad Request) error code.
20	PAT_IDEN TIFIER_X_ REF_CON SUMER- CHPIXm- SIMU	PAT_IDENTI FIER_X_REF _MANAGER- CHPIXm	ITI-83	PIXmQuery	No	Required	[TRANSACTION] PIXm Consumer queries PIXm Manager with a missing or bad ITI-72 IUA Token. The response SHALL contain a 401 (Unauthorized) error code.
30	PAT_IDEN TIFIER_X_ REF_CON SUMER- CHPIXm- SIMU	PAT_IDENTI FIER_X_REF _MANAGER- CHPIXm	ITI-83	PIXmQuery	No	Required	[TRANSACTION] PIXm Consumer queries PIXm Manager with an unknown targetDomain (unknownDomain) . The response SHALL contain a 403 (Forbidden) error code.
40	PAT_IDEN TIFIER_X_ REF_CON SUMER- CHPIXm- SIMU	PAT_IDENTI FIER_X_REF _MANAGER- CHPIXm	ITI-83	PIXmQuery	No	Required	[TRANSACTION] PIXm Consumer queries PIXm Manager with an unknown patientID (urn:oid:1.3.6.1.4.1.12559.11.1.4.1.2 DDS-UNKNOWN) . The response SHALL contain a 404 (Not Found) error code.
50	PAT_IDEN TIFIER_X_ REF_CON SUMER- CHPIXm- SIMU	PAT_IDENTI FIER_X_REF _CONSUME R-CHPIXm- SIMU		EVIDENCE	No	Required	[EVIDENCE] Please paste here the permanent link of the test.

Sequence Diagram



Test case #14200 CHPIXm_SERVER_CONF

Test Summary

Keyword : CHPIXm_SERVER_CONF_CTS
Name : CHPIXm_SERVER_CONF
Version : 1.0
Author : angelina.ker
Date of last : 2025-06-24 16:49:33.993355 by angelina.ker

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

Short Description : This test prepares the executions of the other tests for CH:PIXm.

Test Description

Special Instructions

PIXm Managers runs only **one** instance of this test. The purpose of this test is to make sure your system is filled with a set of well-known patients which are going to be used in the next steps for this testing session.

Load patient demographics provided in advance by the Patient Manager.

1. Create 2 patients respectively named Elvira PUTHOD and Elvira PUTOD with the Demographic Data in the description.
2. Add cross-reference between the 2 patients.

Description

Demographic Data for the 2 patients :

Patient 1

- Firstname : Elvira
- Lastname : PUTHOD
- Gender : Female
- Country code : CHE (Switzerland)
- Local id : 1.3.6.1.4.1.12559.11.1.4.1.2|DDS-72618
- EPR-SPID : 2.16.756.5.30.1.127.3.10.3|761337610067311310

Patient 2

- Firstname : Elvira
- Lastname : PUTOD
- Gender : Female
- Country code : CHE (Switzerland)
- Local id : 1.3.6.1.4.1.12559.11.25.1.9|DDS-CATT-63630
- EPR-SPID : 2.16.756.5.30.1.127.3.10.3|761337610067311311

Evaluation

The monitor shall check that your database is populated.

Test Participants

Role in test : PAT_IDENTIFIER_X_REF_MANAGER-CHPIXm

Option : R

Nb of instances : 1

Actor	Profile	Option
PAT_ID_X_REF_MGR	PIXm	NONE
PAT_ID_X_REF_MGR	CH:PIXm	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	PAT_IDENTIFIER_X_REF_MANAGER-CHPIXm	PAT_IDENTIFIER_X_REF_MANAGER-CHPIXm		--	No	Required	

CH:PIXm Managers : Add patient entries. See Test Description section.

Sequence Diagram

