Macintosh HD:Users:jon:Documents:DLM Forum:DLM Foundation:Branding:Logos:MoReq logos:MoReq2010:MoReq2010_Reg:MoReq2010_Reg_pms.eps

MoReq2010®

Modular Requirements for Records Systems

Test Framework

Test Module 2: Model roles

Version 0.2 BETA

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# 2.0 Scope

## 2.0.1 IMPORTANT NOTICE

This test module should **only** be used if the test system implements the model role service. If the test system implements a native role service then a custom test module agreed by the supplier, the test centre and the DLM Forum, must be substituted for this test module.

The substitute test module must test the native role service to an equivalent level of functionality as this test module.

## 2.0.2 Introduction

This test module tests requirements from the following sections of the MoReq2010® specification:

* **2. System Services**
* **3. User and Group Service**
* **4. Model Role Service**
* **10. Searching and Reporting Service**
* **11. Export Service**
* **101. Graphical User Interface**
* **102. Application Programming Interface**

Of these the major emphasis of the test module is placed on **4. Model Role Service**.

This test module (or a substitute, see 2.0.1 above) should be used whenever the core services of MoReq2010® are being tested and must be tested after **Test Module 1: Users and groups**.

Additional notes are provided to test centres for clarity throughout. From time-to-time the test scripts will be updated; be sure to check that you are using the most up-to-date version of the testing materials.

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# TEST MODULE 2: MODEL ROLES

(To be completed by the test centre)

# 2.1 Observation record

Supplier name

Product name and version

Test centre name

Date of test

Test location

Supplier representative(s) present during testing

Test centre representative(s) present during testing

DLM Forum observer(s) present during testing

Test system technical architecture, hardware, software and operating system(s)

Test outcomes

Fill in with 🗹 or 🗷 to ensure all test outcomes are met

🞏 The test system was correctly configured prior to testing

🞏 The test system was not reconfigured during testing

🞏 The test module was completed in a single session

🞏 All test cases in the test module were completed, in order

🞏 All test cases in the test module were completed successfully

Refer to the individual test results for all test cases in this test module

Additional remarks or observations

# 2.2 Test script – Model roles

All test cases in the test script for this test module must be completed in order before moving onto the next test case.

## T2.2.1 – Test case

### 2.2.1.1 Test case description

**Initial error check**

### 2.2.1.2 Test case preconditions

* Test system is operational
* Test data (see **Appendix 2.A Test Data**) are loaded onto test system
* Where the test system uses an API then a suitable test harness has been provided (see the **Test Framework: Overview and Instructions, 4.1 Providing a test harness for API interfaces**)
* The test system has been configured, under **R2.4.13** such that performing any function system wide will generate an event under **R2.4.15** and **R2.4.16** – in other words, all function definitions must have their Generate Event Flag (**M14.4.34**) set
* The test system has been configured, under **R2.4.20** such that the events generated by all functions system wide will be retained by residual entities – in other words, all function definitions must have their Retain On Destruction Flag (**M14.4.88**) set
* The test system has been configured, under **R4.5.8** such that every access control list is set to inherit all roles, not just administrative roles – in other words, the Include Inherited Roles Flag (**M14.4.43**) for all access control lists for all entities is set by default

### 2.2.1.3 Test case steps (instructions)

* Before logging into the test system take a copy of the external error log, under **R2.4.7**

### 2.2.1.4 Test case post-conditions (expected result)

* Errors in the external error log must contain at least the information listed under **R2.4.7**

### 2.2.1.5 Notes to test centre

* Check whether there are any errors generated by functions failing to perform under **R2.4.8**
* Note that **R2.4.8** is not tested directly unless an error occurs during testing, instead it is tested indirectly through this test case

### 2.2.1.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.2 – Test case

### 2.2.2.1 Test case description

**Initial compliance check**

### 2.2.2.2 Test case preconditions

* **T2.2.1** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.1** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.2.3 Test case steps (instructions)

* Log into the test system as user **Usr.2.1** (reference **R3.4.1**)
* Generate the compliance report for the test system (reference **R2.4.5**)

### 2.2.2.4 Test case post-conditions (expected result)

* User **Usr.2.1** logs in successfully
* The compliance report contains all of the information and metadata required by **R2.4.5** and **R2.4.2**
* Specifically, the compliance report must show compliance with, at least:
  + **User and Group Service v1.x** (**cd532472-85b0-4c1c-82b4-5c8370b7d0e6**)
  + **Role Service v1.x** (**2f6d05c6-51e6-4a32-a7fc-c0a6883eb85b**)
  + **Classification Service v1.x** (**10fea10e-9c2f-4760-9095-f4f9295f4b19**)
  + **Record Service v1.x** (**ced3d0df-3f9f-4807-9e96-b5b790adad4a**)
  + **Model Metadata Service v1.x** (**a600f8d0-2d58-418e-bb41-211d1fd42350**)

**OR Native Metadata Service v1.x** (**66bf4419-d92f-4358-8506-7ee9c06abdcd**)

* + **Disposal Scheduling Service (fd05e284-181f-4f5d-bd8c-4bed835c8931)**
  + **Searching and Reporting v1.x** (**f09984a5-dd31-44d8-9607-22521667c78a**)
  + **Export Service v1.x** (**2777ab81-057e-4aa4-9595-69459ec2dc1e**)
  + **Graphical User Interface v1.x (0f9584e5-552a-4a79-a8ea-3c2801765255)**

**AND/OR Application Programming Interface (654633ec-8b17-4a3c-a483-436ee2bd506a)**

* The compliance report must use the UUIDs listed above, under **R2.4.23**

### 2.2.2.5 Notes to test centre

* Describe in the remarks how the user performs a compliance check
* Note that if the test system implements its own native role service then the compliance report would show:
  + **Role Service v1.x** (**d945dcd9-dc2d-491d-965a-11ce936d044b**)
* In this case the test centre should not use this test module but should use instead the agreed custom test script for the supplier’s native role service

### 2.2.2.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.3 – Test case

### 2.2.3.1 Test case description

**Browse available services (or bundles of services) and inspect the metadata of the role service**

### 2.2.3.2 Test case preconditions

* **T2.2.2** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.2** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.3.3 Test case steps (instructions)

* Browse the services (**E14.2.14**) of the test system, under **R2.4.3**
* Inspect the metadata of the role service or the bundle of services that contains the role service, under **R2.4.3**

### 2.2.3.4 Test case post-conditions (expected result)

* The test system must allow browsing of all services listed under **R2.4.1**, either as individual services or within one or more bundles of services
* The test system must allow inspection of the metadata of services or bundles of services where each service or bundle of services has the metadata listed under Inspect the metadata of the role service or the bundle of services that contains the role service, under **R2.4.3**
* The metadata of the role service or bundle of services must match the compliance report generated previously under **T2.2.2**

### 2.2.3.5 Notes to test centre

It is possible that the test system implements all services as part of a single bundle. In this circumstance the metadata will relate to the test system as a whole.

### 2.2.3.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.4 – Test Case

### 2.2.4.1 Test case description

**Modify the metadata of the role service**

### 2.2.4.2 Test case preconditions

* **T2.2.3** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.3** was completed
* The test operator is logged in as user **Usr.2.1**
* The Title (**M14.4.104**), Description (**M14.4.16**) and Owner Information (**M14.4.62**) for the role service or bundle of services containing the role service must NOT have been set to the values below prior to this test case

### 2.2.4.3 Test case steps (instructions)

* Modify the metadata of the role service or bundle of services containing the role service, under **R2.4.4**, as follows:
  + Change Title (**M14.4.104**) to “MoReq2010® Test System”
  + Change Description (**M14.4.16**) to “Test Module 2: Model roles”
  + Change Owner Information (**M14.4.62**) to the name and address of the test centre
* Add a comment, “Changed during testing” under **R2.4.18**

### 2.2.4.4 Test case post-conditions (expected result)

* The metadata is modified correctly to the input values
* The comment has been accepted as part of the event generated by the changes to the metadata

### 2.2.4.5 Notes to test centre

* Make a note (or screenshot) of the values of the metadata prior to changing them
* Ensure that you can include the Unicode “®” character (U+00AE) in accordance with **R2.4.28**

### 2.2.4.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.5 – Test Case

### 2.2.5.1 Test case description

**Browse the roles in the role service to find a role entity**

### 2.2.5.2 Test case preconditions

* **T2.2.4** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.4** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.5.3 Test case steps (instructions)

* From the role service or bundle of services containing the role service browse through the roles in the role service under **R4.5.7**
* Find role **Rol.2.2** and inspect its metadata under **R4.5.7**

### 2.2.5.4 Test case post-conditions (expected result)

* **Rol.2.2** must be present and be one of the roles managed by the role service or a bundle of services including the role service
* **Rol.2.2** must have the metadata elements listed under **R4.5.1** and the metadata describing it in **Appendix 2.A Test Data For Test Module 2**.

### 2.2.5.5 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.6 – Test Case

### 2.2.6.1 Test case description

**Modify the metadata of a role entity**

### 2.2.6.2 Test case preconditions

* **T2.2.5** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.5** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.6.3 Test case steps (instructions)

* Modify the metadata of role **Rol.2.2** under **R4.5.2**, as follows:
  + Change Description (**M14.4.16**) to “Essential capabilities for all users”
  + Change Scope Notes (**M14.4.62**) to “All new users should receive this role when they are first created”
* Add a comment, “Description and scope notes updated during testing” under **R2.4.18**
* Inspect role **Rol.2.2** to ensure that its metadata has been correctly updated

### 2.2.6.4 Test case post-conditions (expected result)

* The metadata is modified correctly to the input values
* The comment has been accepted as part of the event generated by the changes to the metadata
* The Description and Scope Notes are updated correctly

### 2.2.6.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.7 – Test Case

### 2.2.7.1 Test case description

**Create new roles**

### 2.2.7.2 Test case preconditions

* **T2.2.6** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.6** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.7.3 Test case steps (instructions)

* Create a new role (Rol.2.15) under **R4.5.1** with the following metadata:
  + Set Title (**M14.4.104**) to “MoReq2010® Test Role (Rol.2.15)”
  + Set Description (**M14.4.16**) to “Modify record – ordinary”
  + Set Scope Notes (**M14.4.62**) to “This role is NOT an administrative role”
  + Clear the Is Administrative Role Flag (**M14.4.44**)
* Create a new role (Rol.2.16) under **R4.5.1** with the following metadata:
  + Set Title (**M14.4.104**) to “MoReq2010® Test Role (Rol.2.16)”
  + Set Description (**M14.4.16**) to “Modify record – administrative”
  + Set Scope Notes (**M14.4.62**) to “This role IS an administrative role”
  + Set the Is Administrative Role Flag (**M14.4.44**)
* Create a new role (Rol.2.17) under **R4.5.1** with the following metadata:
  + Set Title (**M14.4.104**) to “MoReq2010® Test Role (Rol.2.17)”
  + Set Description (**M14.4.16**) to “Modify record – temporary”
  + Set Scope Notes (**M14.4.62**) to “This role created by mistake”
  + Clear the Is Administrative Role Flag (**M14.4.44**)

### 2.2.7.4 Test case post-conditions (expected result)

* The three new roles have been created in the role service, or the bundle of services that includes the role service
* The Title, Description, Scope Notes and Is Administrative Role Flag for each role has been set in accordance with the data above

### 2.2.7.5 Notes to test centre

* This test script will use the terms “Rol.2.15”, “Rol.2.16” and “Rol.2.17” to refer to these new roles
* Note the time of completion of this test case before moving onto the next test case – it will be used to generate a report in test case **T2.2.11**

### 2.2.7.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.8 – Test Case

### 2.2.8.1 Test case description

**Add function definitions to roles**

### 2.2.8.2 Test case preconditions

* **T2.2.7** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.7** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.8.3 Test case steps (instructions)

* To each of the new roles **Rol.2.15**, **Rol.2.16** and **Rol.2.17** find and add the following function definitions under **R4.5.4**:
  + “Record – Modify ACL” (**F14.5.134**)
  + “Record – Modify Metadata” (**F14.5.135**)
  + “Record – Modify Originated Date/Time” (**F14.5.136**)

### 2.2.8.4 Test case post-conditions (expected result)

* The three new roles have each been given the function definitions listed above
* Under **R2.4.12** the function definitions listed above may have localised titles and descriptions
* Note the time of completion of this test case before moving onto the next test case – it will be used to generate a report in test case **T2.2.11**

### 2.2.8.5 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.9 – Test Case

### 2.2.9.1 Test case description

**Make a role administrative**

### 2.2.9.2 Test case preconditions

* **T2.2.8** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.8** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.9.3 Test case steps (instructions)

* Inspect the role **Rol.2.17**
* Make **Rol.2.17** an administrative role under **R4.5.3**

### 2.2.9.4 Test case post-conditions (expected result)

* **Rol.2.17** has the data it was given in **T2.2.7** and **T2.2.8**
* **Rol.2.17** is now an administrative role

### 2.2.9.5 Notes to test centre

Note that under **R4.5.3** it is only possible to change whether or not **Rol.2.17** is an administrative role because it has never been assigned to an access control entry (ACE)

### 2.2.9.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.10 – Test Case

### 2.2.10.1 Test case description

**Remove function definitions from a role**

### 2.2.10.2 Test case preconditions

* **T2.2.9** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.9** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.10.3 Test case steps (instructions)

* Browse the function definitions belonging to role **Rol.2.17** under **R4.5.7**
* Remove the following function definitions from role **Rol.2.17**:
  + “Record – Modify ACL” (**F14.5.134**)
  + “Record – Modify Originated Date/Time” (**F14.5.136**)

### 2.2.10.4 Test case post-conditions (expected result)

* It is possible to browse to the function definitions from the role in accordance with **R4.5.7**
* The two function definitions listed above have been removed from role **Rol.2.17**
* Note the time of completion of this test case before moving onto the next test case – it will be used to generate a report in test case **T2.2.11**

### 2.2.10.5 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.11 – Test Case

### 2.2.11.1 Test case description

**Report group membership for a user**

### 2.2.11.2 Test case preconditions

* **T2.2.10** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.10** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.11.3 Test case steps (instructions)

* Under **R4.5.14** generate a report on the function definitions belonging to role **Rol.2.17**: immediately at the time of completion of **T2.2.7**
* Under **R4.5.14** generate a report on the function definitions belonging to role **Rol.2.17**: immediately at the time of completion of **T2.2.8**
* Under **R4.5.14** generate a report on the function definitions belonging to role **Rol.2.17**: immediately at the time of completion of **T2.2.10**

### 2.2.11.4 Test case post-conditions (expected result)

* Immediately upon completion of **T2.2.7**, role **Rol.2.17** had no function definitions
* Immediately upon completion of **T2.2.8**, role **Rol.2.17** had three function definitions:
  + “Record – Modify ACL” (**F14.5.134**)
  + “Record – Modify Metadata” (**F14.5.135**)
  + “Record – Modify Originated Date/Time” (**F14.5.136**)
* Immediately upon completion of **T2.2.10**, role **Rol.2.17** has one remaining function definition:
  + “Record – Modify Metadata” (**F14.5.135**)

### 2.2.11.5 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.12 – Test Case

### 2.2.12.1 Test case description

**Browse the event history of a role**

### 2.2.12.2 Test case preconditions

* **T2.2.11** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.11** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.12.3 Test case steps (instructions)

* Browse the event history of role **Rol.2.17** under **R2.4.19**
* Inspect each event in the event history of **Rol.2.17**

### 2.2.12.4 Test case post-conditions (expected result)

* **Rol.2.17** can be found
* The event history of **Rol.2.17** can be browsed
* All expected events are in the event history of **Rol.2.17**, these should include:
  + Role – Create (**F14.5.143**) from **T2.2.7**
  + Role – Add Function Definition (**F14.5.142**) from **T2.2.8**
  + Role – Inspect (**F14.5.149**) from **T2.2.9**
  + Role – Modify Metadata (**F14.5.153**) from **T2.2.9**
  + Role – Remove Function Definition (**F14.5.155**) from **T2.2.10**
  + Role – Report Function Definitions (**F14.5.156**) from **T2.2.11**
  + Role – Inspect Event (**F14.5.151**) from **T2.2.12**

### 2.2.12.5 Notes to test centre

* All events should be recorded as they happened
* Make note of each of the events in the event history so that they can be searched for in the next test case **T2.2.13**

### 2.2.12.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.13 – Test Case

### 2.2.13.1 Test case description

**Delete a role**

### 2.2.13.2 Test case preconditions

* **T2.2.12** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.12** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.13.3 Test case steps (instructions)

* Delete role **Rol.2.17** under **R.4.5.5**
* Attempt to find and inspect **Rol.2.17** by searching and browsing
* Attempt to find any of the events from the event history of **Rol.2.17** by searching for them

### 2.2.13.4 Test case post-conditions (expected result)

* **Rol.2.17** was found and has subsequently been deleted
* There is no residual entity for **Rol.2.17**
* Each of the events browsed in **T2.2.12** has been deleted from the test system

### 2.2.13.5 Notes to test centre

Under **R4.5.5** the role can be deleted (all trace removed from the system) only because the role has never been included in any access control entries (ACE)

### 2.2.13.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.14 – Test Case

### 2.2.14.1 Test case description

**Initial check on access rights**

### 2.2.14.2 Test case preconditions

* **T2.2.13** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.13** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.14.3 Test case steps (instructions)

* Log out of the test system as **Usr.2.1** under **R3.4.1**
* Log into the test system as **Usr.2.2** under **R3.4.1**
* Search or browse for record **Rec.2.1** under **R6.5.9** and **R6.5.17**
* Attempt to modify the Title (**M14.4.104**) of **Rec.2.1** under **R6.5.11**
* Log out of the test system as **Usr.2.2** under **R3.4.1**
* Log into the test system as **Usr.2.3** under **R3.4.1**
* Search or browse for record **Rec.2.1** under **R6.5.9** and **R6.5.17**
* Attempt to modify the Title (**M14.4.104**) of **Rec.2.1** under **R6.5.11**
* Log out of the test system as **Usr.2.3** under **R3.4.1**
* Log into the test system as **Usr.2.4** under **R3.4.1**
* Search or browse for record **Rec.2.1** under **R6.5.9** and **R6.5.17**
* Attempt to modify the Title (**M14.4.104**) of **Rec.2.1** under **R6.5.11**
* Log out of the test system as **Usr.2.4** under **R3.4.1**
* Log into the test system as **Usr.2.1** under **R3.4.1**

### 2.2.14.4 Test case post-conditions (expected result)

* **Rec.2.1** was found by **Usr.2.2**
* **Usr.2.2** could not modify the metadata of **Rec.2.1**
* **Rec.2.1** was found by **Usr.2.3**
* **Usr.2.3** could not modify the metadata of **Rec.2.1**
* **Rec.2.1** was found by **Usr.2.4**
* **Usr.2.4** could not modify the metadata of **Rec.2.1**

### 2.2.14.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.15 – Test Case

### 2.2.15.1 Test case description

**Assigning roles to groups**

### 2.2.15.2 Test case preconditions

* **T2.2.14** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.14** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.15.3 Test case steps (instructions)

* Search or browse for aggregation **Agg.2.1** under **R.6.5.9**
* Inspect the ACL for aggregation **Agg.2.1** under **R4.5.9**
* Modify the ACL for aggregation **Agg.2.1** by adding the following ACE entries under **R4.5.10**:
  + Group **Grp.2.3** with role **Rol.2.15**
  + Group **Grp.2.4** with role **Rol.2.16**
* Inspect the ACL for aggregation **Agg.2.1** under **R4.5.9**

### 2.2.15.4 Test case post-conditions (expected result)

* Aggregation **Agg.2.1** was found
* The ACL for aggregation **Agg.2.1** initially contains no ACE and the Include Inherited Roles Flag (**M14.4.43**) is set
* The ACL for aggregation **Agg.2.1** has been updated

### 2.2.15.5 Notes to test centre

* This gives any user in group **Grp.2.3** the privileges of role **Rol.2.15** in relation to aggregation **Agg.2.1** and its descendants (including aggregations and records)
* This gives any user in group **Grp.2.4** the privileges of role **Rol.2.16** in relation to aggregation **Agg.2.1** and its descendants

### 2.2.15.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.16 – Test Case

### 2.2.16.1 Test case description

**Assigning roles to users**

### 2.2.16.2 Test case preconditions

* **T2.2.15** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.15** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.16.3 Test case steps (instructions)

* Search or browse for record **Rec.2.2** under **R6.5.9** and **R6.5.17**
* Modify the ACL for record **Rec.2.2** by adding the following ACE entries under **R4.5.10**:
  + User **Usr.2.2** with role **Rol.2.15**
* Inspect the ACL for record **Rec.2.2** under **R4.5.9**

### 2.2.16.4 Test case post-conditions (expected result)

* Record **Rec.2.2** was found
* The ACL for record **Rec.2.2** has been updated
* The user is able to inspect the ACL for **Rec.2.2**

### 2.2.16.5 Notes to test centre

This gives user **Usr.2.2** the privileges of role **Rol.2.15** in relation to record **Rec.2.1**

### 2.2.16.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.17 – Test Case

### 2.2.17.1 Test case description

**Intermediate check on access rights**

### 2.2.17.2 Test case preconditions

* **T2.2.16** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.16** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.17.3 Test case steps (instructions)

* Log out of the test system as **Usr.2.1** under **R3.4.1**
* Log into the test system as **Usr.2.2** under **R3.4.1**
* Search or browse for record **Rec.2.1** under **R6.5.9** and **R6.5.17**
* Attempt to modify the Title (**M14.4.104**) of **Rec.2.1** under **R6.5.11**
* Search or browse for record **Rec.2.2** under **R6.5.9** and **R6.5.17**
* Modify the Title (**M14.4.104**) of **Rec.2.2** under **R6.5.11** to:
  + “Rec.2.2 – as modified by Usr.2.2 (T2.2.17)”
* Log out of the test system as **Usr.2.2** under **R3.4.1**
* Log into the test system as **Usr.2.3** under **R3.4.1**
* Search or browse for record **Rec.2.1** under **R6.5.9** and **R6.5.17**
* Modify the Title (**M14.4.104**) of **Rec.2.1** under **R6.5.11** to
  + “Rec.2.1 – as modified by Usr.2.3 (T2.2.17)”
* Log out of the test system as **Usr.2.3** under **R3.4.1**
* Log into the test system as **Usr.2.4** under **R3.4.1**
* Search or browse for record **Rec.2.1** under **R6.5.9** and **R6.5.17**
* Modify the Originated Date/Time (**M14.4.61**) of **Rec.2.1** under **R2.4.26** to:
  + 11th February 2011
* Log out of the test system as **Usr.2.4** under **R3.4.1**
* Log into the test system as **Usr.2.1** under **R3.4.1**

### 2.2.17.4 Test case post-conditions (expected result)

* **Rec.2.1** was found by **Usr.2.2**
* **Usr.2.2** was unable to modify the Title of **Rec.2.1**
* **Rec.2.2** was found by **Usr.2.2**
* **Usr.2.2** correctly modified the Title of **Rec.2.2**
* **Rec.2.1** was found by **Usr.2.3**
* **Usr.2.3** correctly modified the Title of **Rec.2.1**
* **Rec.2.1** was found by **Usr.2.4**
* **Usr.2.4** correctly modified the Originated Date/Time of **Rec.2.1**

### 2.2.17.5 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.18 – Test Case

### 2.2.18.1 Test case description

**Change the rules of inheritance for aggregations**

### 2.2.18.2 Test case preconditions

* **T2.2.17** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.17** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.18.3 Test case steps (instructions)

* Search or browse for aggregation **Agg.2.2** under **R6.5.9**
* Inspect the ACL for aggregation **Agg.2.2** under **R4.5.9**
* Modify the ACL for aggregation **Agg.2.2** by clearing the Include Inherited Roles Flag (**M14.4.43**) under **R4.5.10**

### 2.2.18.4 Test case post-conditions (expected result)

* Aggregation **Agg.2.2** was found
* The user is able to inspect the ACL for aggregation **Agg.2.2**
* The ACL for aggregation **Agg.2.2** has been updated

### 2.2.18.5 Notes to test centre

* Clearing the Include Inherited Roles Flag prevents any non-administrative roles from being inherited by this aggregation or its descendants
* By contrast, administrative roles are always inherited and cannot be blocked by users

### 2.2.18.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.19 – Test Case

### 2.2.19.1 Test case description

**Intermediate check on inherited access rights**

### 2.2.19.2 Test case preconditions

* **T2.2.18** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.18** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.19.3 Test case steps (instructions)

* Log out of the test system as **Usr.2.1** under **R3.4.1**
* Log into the test system as **Usr.2.2** under **R3.4.1**
* Search or browse for record **Rec.2.1** under **R6.5.9** and **R6.5.17**
* Attempt to modify the Description (**M14.4.16**) of **Rec.2.1** under **R6.5.11**
* Search or browse for record **Rec.2.2** under **R6.5.9** and **R6.5.17**
* Modify the Description (**M14.4.16**) of **Rec.2.2** under **R6.5.11** to:
  + “Rec.2.2 – modified by Usr.2.2 (T2.2.19)”
* Note what functions **Usr.2.2** is able to perform in relation to **Rec.2.2** under **R4.5.12** (this information will be used in **T2.2.20**)
* Log out of the test system as **Usr.2.2** under **R3.4.1**
* Log into the test system as **Usr.2.3** under **R3.4.1**
* Search or browse for record **Rec.2.1** under **R6.5.9** and **R6.5.17**
* Attempt to modify the Description (**M14.4.16**) of **Rec.2.1** under **R6.5.11**
* Search or browse for record **Rec.2.2** under **R6.5.9** and **R6.5.17**
* Attempt to modify the Description (**M14.4.16**) of **Rec.2.2** under **R6.5.11**
* Note what functions **Usr.2.3** is able to perform in relation to **Rec.2.2** under **R4.5.12** (this information will be used in **T2.2.20**)
* Log out of the test system as **Usr.2.3** under **R3.4.1**
* Log into the test system as **Usr.2.4** under **R3.4.1**
* Search or browse for record **Rec.2.1** under **R6.5.9** and **R6.5.17**
* Modify the Description (**M14.4.16**) of **Rec.2.1** under **R6.5.11** to
  + “Rec.2.1 – modified by Usr.2.4 (T2.2.19)”
* Search or browse for record **Rec.2.2** under **R6.5.9** and **R6.5.17**
* Modify the Description (**M14.4.16**) of **Rec.2.1** under **R6.5.11** to
  + “Rec.2.2 – modified by Usr.2.2 **AND Usr.2.4** (T2.2.19)”
* Note what functions **Usr.2.4** is able to perform in relation to **Rec.2.2** under **R4.5.12** (this information will be used in **T2.2.20**)
* Log out of the test system as **Usr.2.4** under **R3.4.1**
* Log into the test system as **Usr.2.1** under **R3.4.1**

### 2.2.19.4 Test case post-conditions (expected result)

* **Rec.2.1** was found by **Usr.2.2**
* **Usr.2.2** was unable to modify the Description of **Rec.2.1**
* **Rec.2.2** was found by **Usr.2.2**
* **Usr.2.2** correctly modified the Description of **Rec.2.2**
* **Rec.2.1** was found by **Usr.2.3**
* **Usr.2.3** was unable to modify the Description of **Rec.2.1**
* **Rec.2.2** was found by **Usr.2.3**
* **Usr.2.3** was unable to modify the Description of **Rec.2.2**
* **Rec.2.1** was found by **Usr.2.4**
* **Usr.2.4** correctly modified the Description of **Rec.2.1**
* **Rec.2.2** was found by **Usr.2.4**
* **Usr.2.4** correctly modified the Description of **Rec.2.2**

### 2.2.19.5 Notes to test centre

* Changing the rules of inheritance at the level of aggregation **Agg.2.2** does not affect **Usr.2.2**
* **Usr.2.3** has a non-administrative role **Rol.2.15** and is no longer able to modify **Rec.2.1**
* By contrast, **Usr.2.4** has an administrative role **Rol.2.16** and remains able to modify the record **Rec.2.1**

### 2.2.19.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.20 – Test Case

### 2.2.20.1 Test case description

**Report the functions available to a user (and how they are derived)**

### 2.2.20.2 Test case preconditions

* **T2.2.19** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.19** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.20.3 Test case steps (instructions)

* Under **R4.5.13** generate a report on the functions available to user **Usr.2.2** in relation to record **Rec.2.2** and how they are derived
* Compare the report for user **Usr.2.2** to the functions that this user discovered were available in relation to **Rec.2.2** in **T2.2.19** under **R4.5.12**
* Under **R4.5.13** generate a report on the functions available to user **Usr.2.3** in relation to record **Rec.2.2** and how they are derived
* Compare the report for user **Usr.2.3** to the functions that this user discovered were available in relation to **Rec.2.2** in **T2.2.19** under **R4.5.12**
* Under **R4.5.13** generate a report on the functions available to user **Usr.2.4** in relation to record **Rec.2.2** and how they are derived
* Compare the report for user **Usr.2.4** to the functions that this user discovered were available in relation to **Rec.2.2** in **T2.2.19** under **R4.5.12**

### 2.2.20.4 Test case post-conditions (expected result)

* User **Usr.2.2** should have access to the functions belonging to the following roles in relation to record **Rec.2.2**:
  + **Rol.2.12** as a result of belonging to **Grp.2.2** and inherited (through **Agg.2.1** and **Agg.2.2**) from the Record Service
  + **Rol.2.15** directly from **Rec.2.2** for **Usr.2.2** only
* User **Usr.2.3** should have access to the functions belonging to the following roles in relation to record **Rec.2.2**:
  + **Rol.2.12** as a result of belonging to **Grp.2.2** and inherited (through **Agg.2.1** and **Agg.2.2**) from the Record Service
* User **Usr.2.4** should have access to the functions belonging to the following roles in relation to record **Rec.2.2**:
  + **Rol.2.12** as a result of belonging to **Grp.2.2** and inherited (through **Agg.2.1** and **Agg.2.2**) from the Record Service
  + **Rol.2.16** as a result of belonging to **Grp.2.4** and inherited (through **Agg.2.1** and **Agg.2.2**) from the Record Service
* Record related functions and their derivations for all users should be reported correctly by the test system and be consistent with the observed functions available to each user under **T2.2.19**

### 2.2.20.5 Notes to test centre

These users will have other roles but none that contain function definitions for record related functions that may apply to record **Rec.2.2**

### 2.2.20.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.21 – Test Case

### 2.2.21.1 Test case description

**Search for all entities with a particular role**

### 2.2.21.2 Test case preconditions

* **T2.2.20** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.20** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.21.3 Test case steps (instructions)

* Under **R4.5.15** search for all entities of any type that have an ACE containing role **Rol.2.15**
* Under **R4.5.15** search for all entities of any type that have an ACE containing role **Rol.2.16**

### 2.2.21.4 Test case post-conditions (expected result)

* Role **Rol.2.15** should be found assigned to the following entities:
  + Aggregation **Agg.2.1**
  + Record **Rec.2.2**
* Role **Rol.2.16** should be found assigned to the following entities:
  + Aggregation **Agg.2.1**
  + Aggregation **Agg.2.2** (inherited)
  + Record **Rec.2.1** (inherited)
  + Record **Rec.2.2** (inherited)

### 2.2.21.5 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.22 – Test Case

### 2.2.22.1 Test case description

**Search for all entities with a particular user or group**

### 2.2.22.2 Test case preconditions

* **T2.2.21** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.21** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.22.3 Test case steps (instructions)

* Under **R4.5.15** search for all entities of any type that have an ACE containing user **Usr.2.2**
* Under **R4.5.15** search for all entities of any type that have an ACE containing group **Grp.2.2**
* Under **R4.5.15** search for all entities of any type that have an ACE containing group **Grp.2.3**

### 2.2.22.4 Test case post-conditions (expected result)

* User **Usr.2.2** should be found assigned to the following entities:
  + Record **Rec.2.2**
  + User **Usr.2.2**
* Group **Grp.2.2** should be found assigned to the following entities:
  + User and Group Service (or bundle containing the User and Group Service)
  + User **Usr.2.1** (inherited)
  + User **Usr.2.2** (inherited)
  + User **Usr.2.3** (inherited)
  + User **Usr.2.4** (inherited)
  + Group **Grp.2.1** (inherited)
  + Group **Grp.2.2** (inherited)
  + Group **Grp.2.3** (inherited)
  + Group **Grp.2.4** (inherited)
  + Model Role Service (or bundle containing the Model Role Service)
  + Role **Rol.2.1** (inherited)
  + Role **Rol.2.2** (inherited)
  + Role **Rol.2.3** (inherited)
  + Role **Rol.2.4** (inherited)
  + Role **Rol.2.5** (inherited)
  + Role **Rol.2.6** (inherited)
  + Role **Rol.2.7** (inherited)
  + Role **Rol.2.8** (inherited)
  + Role **Rol.2.9** (inherited)
  + Role **Rol.2.10** (inherited)
  + Role **Rol.2.11** (inherited)
  + Role **Rol.2.12** (inherited)
  + Role **Rol.2.13** (inherited)
  + Role **Rol.2.14** (inherited)
  + Role **Rol.2.15** (inherited)
  + Role **Rol.2.16** (inherited)
  + Record Service (or bundle containing the Record Service)
  + Aggregation **Agg.2.1** (inherited)
  + Aggregation **Agg.2.2** (inherited)
  + Record **Rec.2.1** (inherited)
  + Record **Rec.2.2** (inherited)
  + Disposal Scheduling Service (or bundle containing the Disposal Scheduling Service)
  + Disposal schedule **DiS.2.1** (inherited)
  + Classification Service (or bundle containing the Classification Service)
  + Class **Cls.2.1** (inherited)
* Group **Grp.2.3** should be found assigned to the following entities:
  + Aggregation **Agg.2.1**
  + Aggregation **Agg.2.2** (inherited)
  + Record **Rec.2.1** (inherited)
  + Record **Rec.2.2** (inherited)

### 2.2.22.5 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.23 – Test Case

### 2.2.23.1 Test case description

**Destroy a role**

### 2.2.23.2 Test case preconditions

* **T2.2.22** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.22** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.23.3 Test case steps (instructions)

* Search or browse to **Rol.2.10** under **R4.5.7**
* Attempt to clear the Is Administrative Role Flag (**M14.4.44**) under **R4.5.3**
* Add the following function definitions to role **Rol.2.10**:
  + “Aggregation – Close” (**F14.5.4**)
  + “Aggregation – Open” (**F14.5.19**)
* Inspect **Rol.2.10** and check that it is still an administrative role
* Attempt to delete role **Rol.2.10** under **R4.5.5**
* Remove the following function definition from role **Rol.2.10**:
  + “Aggregation – Close” (**F14.5.4**)
* Destroy role **Rol.2.10** under **R4.5.6**
* Inspect the residual role **Rol.2.10**
* Search for user **Rol.2.10** under **R10.4.1**
* Find the residual role **Rol.2.10** by configuring the search to return residual entities under **R10.4.17**
* Inspect the metadata of the residual entity role **Rol.2.10**
* Attempt to modify the metadata of residual role **Rol.2.10**
* Attempt to add the following function definition to **Rol.2.10**:
  + “Aggregation – Close” (**F14.5.4**)
* Attempt to remove the following function definition from role **Rol.2.10**
  + “Aggregation – Open” (**F14.5.19**)
* Attempt to delete role **Rol.2.10** under **R4.5.5**

### 2.2.23.4 Test case post-conditions (expected result)

* Role **Rol.2.10** is found
* The user cannot change role **Rol.2.10** to a non-administrative role under **R4.5.3** because it has previously been used
* Function definitions can be added to and removed from role **Rol.2.10**
* The user cannot delete role **Rol.2.10** under **R4.5.5** because it has previously been used
* Role **Rol.2.10** is destroyed successfully
* There remains a residual role for **Rol.2.10**
* The residual entity **Rol.2.10** does not appear in search results unless residual entities are specified under **R10.4.7**
* The metadata of residual entity **Rol.2.10** can no longer be modified
* Function definitions can no longer be added to or removed from the residual role **Rol.2.10**

### 2.2.23.5 Notes to test centre

It is not possible to undertake these operations because the role is no longer active

### 2.2.23.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.24 – Test Case

### 2.2.24.1 Test case description

**Final check on access rights 1**

### 2.2.24.2 Test case preconditions

* **T2.2.23** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.23** was completed
* The test operator is logged in as user **Usr.2.1**
* Role **Rol.2.10** has been destroyed

### 2.2.24.3 Test case steps (instructions)

* Log out of the test system as **Usr.2.1** under **R3.4.1**
* Log into the test system as **Usr.2.2** under **R3.4.1**
* Attempt to browse for the aggregations **Agg.2.1** and **Agg.2.2**
* Attempt to search for the aggregations **Agg.2.1** and **Agg.2.2**
* Search (without browsing) for record **Rec.2.1**
* Attempt to modify the ACL for record **Rec.2.1**
* Search (without browsing) for record **Rec.2.2**
* Modify the ACL for record **Rec.2.2** by removing the ACE containing **Usr.2.2**
* Inspect the event history of **Rec.2.2**

### 2.2.24.4 Test case post-conditions (expected result)

* **Usr.2.2** was unable to find the aggregations **Agg.2.1** and **Agg.2.2**
* **Usr.2.2** was unable to browse to record **Rec.2.1**
* **Usr.2.2** was able to find record **Rec.2.1** by searching
* **Usr.2.2** was unable to modify the ACL for record **Rec.2.1**
* **Usr.2.2** was able to find record **Rec.2.2** by searching
* **Usr.2.2** was able to successfully modify the ACL for record **Rec.2.1**
* The event history for **Rec.2.2** should contain events for the following:
  + Inspected by Usr.2.2 in T2.2.x

### 2.2.24.5 Notes to test centre

* Role **Rol.2.10** contained function definition “Aggregation – Inspect” (**F14.5.12**)
* Because role **Rol.2.10** has now been destroyed aggregations **Agg.2.1** and **Agg.2.2** can no longer be found by users **Usr.2.2**, **Usr.2.3** or **Usr.2.4** and as a consequence they do not appear to these users while browsing or searching and, **no functions may be performed** on these aggregations by these users (even though they other functions may still apply)
* The users are no longer able to find records **Rec.2.1** and **Rec.2.2** by browsing from these aggregations
* However users **Usr.2.2**, **Usr.2.3** and **Usr.2.4** are still able to find records **Rec.2.1** and **Rec.2.2** in aggregation **Agg.2.2** by searching (only) because they still retain access to function “Record – Inspect” (**F14.5.131**) in role **Rol.2.12**
* From the records returned as search results they are then able to perform functions

### 2.2.24.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.25 – Test Case

### 2.2.25.1 Test case description

**Final check on access rights 2**

### 2.2.25.2 Test case preconditions

* **T2.2.24** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.24** was completed
* The test operator is logged in as user **Usr.2.2**

### 2.2.25.3 Test case steps (instructions)

* Log out of the test system as **Usr.2.2** under **R3.4.1**
* Log into the test system as **Usr.2.3** under **R3.4.1**
* Attempt to browse for the aggregations **Agg.2.1** and **Agg.2.2**
* Attempt to search for the aggregations **Agg.2.1** and **Agg.2.2**
* Search (without browsing) for record **Rec.2.1**
* Attempt to modify the ACL for record **Rec.2.1**
* Log out of the test system as **Usr.2.3** under **R3.4.1**
* Log into the test system as **Usr.2.4** under **R3.4.1**
* Attempt to browse for the aggregations **Agg.2.1** and **Agg.2.2**
* Attempt to search for the aggregations **Agg.2.1** and **Agg.2.2**
* Search (without browsing) for record **Rec.2.1**
* Modify the ACL for record **Rec.2.1** by adding an ACE for:
  + Group **Grp.2.3** with roles **Rol.2.15** and **Rol.2.16**
* Log out of the test system as **Usr.2.4** under **R3.4.1**
* Log into the test system as **Usr.2.3** under **R3.4.1**
* Search (without browsing) for record **Rec.2.1**
* Modify the ACL for record **Rec.2.1** by removing the ACE relating to group **Grp.2.3** added by **Usr.2.4** (above)
* Attempt to modify the ACL for record **Rec.2.1**
* Log out of the test system as **Usr.2.3** under **R3.4.1**
* Log into the test system as **Usr.2.1** under **R3.4.1**

### 2.2.25.4 Test case post-conditions (expected result)

* **Usr.2.3** was unable to find the aggregations **Agg.2.1** and **Agg.2.2**
* **Usr.2.3** was unable to browse to record **Rec.2.1**
* **Usr.2.3** was able to find record **Rec.2.1** by searching
* **Usr.2.3** was initially unable to modify the ACL for record **Rec.2.1**
* **Usr.2.4** was unable to find the aggregations **Agg.2.1** and **Agg.2.2**
* **Usr.2.4** was unable to browse to record **Rec.2.1**
* **Usr.2.4** was able to find record **Rec.2.1** by searching
* **Usr.2.4** was able to successfully modify the ACL for record **Rec.2.1**
* **Usr.2.3** was able to find record **Rec.2.1** by searching
* **Usr.2.3** was then able to successfully modify the ACL for record **Rec.2.1**
* Following the change by **Usr.2.3** the user was no longer able to modify the ACL for record **Rec.2.1** again

### 2.2.25.5 Notes to test centre

Note that it is possible for **Usr.2.3** remove from the ACL for record **Rec.2.1**, the very role that allows **Usr.2.3** to modify the ACL for record **Rec.2.1** – thus removing the user’s own access rights (this might be characterised as leaving the house, locking the door, and then pushing the key back through the letterbox before leaving)

### 2.2.25.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.26 – Test Case

### 2.2.26.1 Test case description

**Export user and group data**

### 2.2.26.2 Test case preconditions

* **T2.2.25** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.25** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.26.3 Test case steps (instructions)

* Export the user and group service under **R11.4.1** (excluding residual entities)
* Export the model role service under **R11.4.1** (including residual entities under **R11.4.2**)
* Export aggregation **Agg.2.1** from the record service under **R11.4.1** (note that this will trigger the export of all descendants of **Agg.2.1** as included entities under **R11.4.3**)
* The text comment for each export under **R11.4.5** should be: “Test case T2.2.26: export of *<name>*”

### 2.2.26.4 Test case post-conditions (expected result)

* Each of the three sets of exported data has its own universally unique export identifier, under **R11.4.4**
* Each of the three sets of exported data has the appropriate text comment, under **R11.4.5**
* The exported data matches that expected (\* see notes) under **R11.4.3**, **R11.4.6**, **R11.4.7** and **R11.4.9**
* The export identifier and export comment can be found in the export event generated under **R11.4.10**, and stored in the event history of each entity exported
* The exported XML data is in Unicode, under **R2.4.28**
* All textual metadata elements in the exported XML data are accompanied by a language identifier, under **R2.4.28**
* All timestamps in the exported XML data are in the W3C XML dateTimeStamp format and include time zone information, under **R2.4.27**

### 2.2.26.5 Notes to test centre

(\* see above) Definitive comparative test data is not yet available, as the test framework is in beta, and export data must currently be checked by hand

### 2.2.26.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.27 – Test Case

### 2.2.27.1 Test case description

**Final compliance check**

### 2.2.27.2 Test case preconditions

* **T2.2.26** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.26** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.27.3 Test case steps (instructions)

* Generate the compliance report for the test system (reference **R2.4.5**)

### 2.2.27.4 Test case post-conditions (expected result)

* The compliance report contains all of the information required by **R2.4.5**
* Specifically, the compliance report must show compliance with, at least:
  + **User and Group Service v1.x** (**cd532472-85b0-4c1c-82b4-5c8370b7d0e6**)
  + **Role Service v1.x** (**2f6d05c6-51e6-4a32-a7fc-c0a6883eb85b**)
  + **Classification Service v1.x** (**10fea10e-9c2f-4760-9095-f4f9295f4b19**)
  + **Record Service v1.x** (**ced3d0df-3f9f-4807-9e96-b5b790adad4a**)
  + **Model Metadata Service v1.x** (**a600f8d0-2d58-418e-bb41-211d1fd42350**)

**OR Native Metadata Service v1.x** (**66bf4419-d92f-4358-8506-7ee9c06abdcd**)

* + **Disposal Scheduling Service (fd05e284-181f-4f5d-bd8c-4bed835c8931)**
  + **Searching and Reporting v1.x** (**f09984a5-dd31-44d8-9607-22521667c78a**)
  + **Export Service v1.x** (**2777ab81-057e-4aa4-9595-69459ec2dc1e**)
  + **Graphical User Interface v1.x (0f9584e5-552a-4a79-a8ea-3c2801765255)**

**AND/OR Application Programming Interface (654633ec-8b17-4a3c-a483-436ee2bd506a)**

* The compliance report must use the UUIDs listed above, under **R2.4.23**

### 2.2.27.5 Notes to test centre

The compliance report should be identical to the compliance report generated by test case **T2.2.2**.

### 2.2.27.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

## T2.2.28 – Test Case

### 2.2.28.1 Test case description

**Final error check**

### 2.2.28.2 Test case preconditions

* **T2.2.27** has previously been completed successfully during the same test session
* The test system has not been reconfigured or restarted since **T2.2.27** was completed
* The test operator is logged in as user **Usr.2.1**

### 2.2.28.3 Test case steps (instructions)

* Log out of the test system
* Take a copy of the external error log, under **R2.4.7**

### 2.2.28.4 Test case post-conditions (expected result)

* Errors in the external error log must contain at least the information listed under **R2.4.7**

### 2.2.28.5 Notes to test centre

* Check which errors have occurred in the external error log since the start of the test module (compare against the external error log copy obtained under **T2.2.1**)
* Check whether there are have been any errors in this period generated by functions failing to perform under **R2.4.7**
* For any each error that has occurred the current user at the time the error occurred must have had access to the extended error information under **R2.4.8**
* Note that **R2.4.8** is not tested directly unless an error occurs during testing

### 2.2.28.6 Results

Test system operator for this test case

Result

🞏 Correct – result as expected

🞏 Incorrect – unexpected result or outcome

🞏 Incorrect – operation could not be initiated

🞏 Incorrect – crash, timeout or failed to finish for any reason

Observations

One or more of the test case steps…

🞏 …required more than one user action to complete (remark below)

🞏 …provided limited or no feedback to the user (remark below)

🞏 …was dependent on one or more previous user actions (remark below)

Additional remarks on observations

Macintosh HD:Users:jon:Documents:DLM Forum:DLM Foundation:Branding:Logos:MoReq logos:MoReq2010:MoReq2010_Reg:MoReq2010_Reg_pms.eps

# APPENDIX TO TEST MODULE 2

# 2.A Test data

The test system must be pre-loaded with at least the test data given here.

## 2.A.1 User and group service

### 2.A.1.1 User entities

| Title | Groups | Roles | Comment |
| --- | --- | --- | --- |
| **Usr.2.1** | * Grp.2.1 | **For Usr.2.1:**   * Rol.2.1 | Power user, member of group with read/write |
| **Usr.2.2** | * Grp.2.2 | **For Usr.2.2:**   * Rol.2.2 | Essential user, member of group with read only |
| **Usr.2.3** | * Grp.2.2 * Grp.2.3 | **For Usr.2.3:**   * Rol.2.2 | Essential user, member of group with read only |
| **Usr.2.4** | * Grp.2.2 * Grp.2.4 | **For Usr.2.4:**   * Rol.2.2 | Essential user, member of group with read only |

### 2.A.1.2 Group entities

| Title | Roles | Comment |
| --- | --- | --- |
| **Grp.2.1** | **For User and Group Service:**   * Rol.2.4 * Rol.2.5 * Rol.2.6   **For Model Role Service:**   * Rol.2.3 * Rol.2.7   **For Record Service:**   * Rol.2.3 * Rol.2.9 * Rol.2.11   **For Disposal Scheduling Service:**   * Rol.2.4 * Rol.2.13   **For Classification Service:**   * Rol.2.4 * Rol.2.14 | Has read/write for role service and record service (inherited by all group members) |
| **Grp.2.2** | **For User and Group Service:**   * Rol.2.4 * Rol.2.5 * Rol.2.6   **For Model Role Service:**   * Rol.2.4 * Rol.2.8   **For Record Service:**   * Rol.2.4 * Rol.2.10 * Rol.2.12   **For Disposal Scheduling Service:**   * Rol.2.4 * Rol.2.13   **For Classification Service:**   * Rol.2.4 * Rol.2.14 | Has read only for all services (inherited by all group members) |
| **Grp.2.3** | *none* | This group has no roles (yet!) |
| **Grp.2.4** | *none* | This group has no roles (yet!) |

## 2.A.2 Model role service

### 2.A.2.1 Role entities

| Name | Administrative? | Functions (access control) | Comment |
| --- | --- | --- | --- |
| **Rol.2.1** | No | * User – Browse Records Due For Disposal (**F14.5.178**) * User – Detailed Report (**F14.5.184**) * User – Export (**F14.5.185**) * User – Search (**F14.5.195**) * User – Summary Report (**F14.5.196**) | Power user |
| **Rol.2.2** | No | * User – Detailed Report (**F14.5.184**) * User – Search (**F14.5.195**) | Essential user |
| **Rol.2.3** | Yes | * Entity Type – Inspect (**F14.5.83**) * Entity Type – Inspect ACL (**F14.5.84**) * Entity Type – Inspect Event (**F14.5.85**) * Entity Type – Modify ACL (**F14.5.86**) * Function Definition – Inspect (**F14.5.87**) * Function Definition – Inspect ACL (**F14.5.88**) * Function Definition – Inspect Event (**F14.5.89**) * Function Definition – Modify ACL (**F14.5.91**) * Function Definition – Modify Event Generation (**F14.5.92**) * Function Definition – Modify Retain Event On Destruction (**F14.5.93**) * Service – Inspect (**F14.5.158**) * Service – Inspect ACL (**F14.5.159**) * Service – Inspect Event (**F14.5.160**) * Service – Modify ACL (**F14.5.161**) * Service – Modify Metadata (**F14.5.162**) * Service – Report Compliance (**F14.5.163**) | Read/write services |
| **Rol.2.4** | Yes | * Entity Type – Inspect (**F14.5.83**) * Entity Type – Inspect ACL (**F14.5.84**) * Entity Type – Inspect Event (**F14.5.85**) * Function Definition – Inspect (**F14.5.87**) * Function Definition – Inspect ACL (**F14.5.88**) * Function Definition – Inspect Event (**F14.5.89**) * Service – Inspect (**F14.5.158**) * Service – Inspect ACL (**F14.5.159**) * Service – Inspect Event (**F14.5.160**) * Service – Report Compliance (**F14.5.163**) | Read only services |
| **Rol.2.5** | Yes | * Group – Inspect (**F14.5.101**) * Group – Inspect ACL (**F14.5.102**) * Group – Inspect Event (**F14.5.103**) * Group – Report User Membership (**F14.5.108**) | Read only groups |
| **Rol.2.6** | Yes | * User – Inspect (**F14.5.187**) * User – Inspect ACL (**F14.5.188**) * User – Inspect Event (**F14.5.189**) * User – Report Authorisation (**F14.5.193**) * User – Report Group Membership (**F14.5.194**) | Read only users |
| **Rol.2.7** | Yes | * Role – Add Contextual Metadata (**F14.5.141**) * Role – Add Function Definition (**F14.5.142**) * Role – Create (**F14.5.143**) * Role – Delete (**F14.5.144**) * Role – Delete Residual Event (**F14.5.145**) * Role – Delete Residual Metadata (**F14.5.146**) * Role – Destroy (**F14.5.147**) * Role – Inspect (**F14.5.149**) * Role – Inspect ACL (**F14.5.150**) * Role – Inspect Event (**F14.5.151**) * Role – Modify ACL (**F14.5.152**) * Role – Modify Metadata (**F14.5.153**) * Role – Modify Originated Date/Time (**F14.5.154**) * Role – Remove Function Definition (**F14.5.155**) * Role – Report Function Definitions (**F14.5.156**) | Read/write roles |
| **Rol.2.8** | Yes | * Role – Inspect (**F14.5.149**) * Role – Inspect ACL (**F14.5.150**) * Role – Inspect Event (**F14.5.151**) * Role – Report Function Definitions (**F14.5.156**) | Read only roles |
| **Rol.2.9** | Yes | * Aggregation – Add Aggregation (**F14.5.1**) * Aggregation – Add Contextual Metadata (**F14.5.2**) * Aggregation – Add Record (**F14.5.3**) * Aggregation – Close (**F14.5.4**) * Aggregation – Create (**F14.5.5**) * Aggregation – Delete (**F14.5.6**) * Aggregation – Delete Residual Event (**F14.5.7**) * Aggregation – Delete Residual Metadata (**F14.5.8**) * Aggregation – Inherit Default Class (**F14.5.11**) * Aggregation – Inspect (**F14.5.12**) * Aggregation – Inspect ACL (**F14.5.13**) * Aggregation – Inspect Event (**F14.5.14**) * Aggregation – Modify ACL (**F14.5.15**) * Aggregation – Modify Max Levels Of Aggregation (**F14.5.16**) * Aggregation – Modify Metadata (**F14.5.17**) * Aggregation – Modify Originated Date/Time (**F14.5.18**) * Aggregation – Open (**F14.5.19**) * Aggregation – Override Class (**F14.5.20**) * Aggregation – Remove Aggregation (**F14.5.21**) * Aggregation – Remove Record (**F14.5.22**) | Read/write aggregations |
| **Rol.2.10** | Yes | * Aggregation – Inspect (**F14.5.12**) * Aggregation – Inspect ACL (**F14.5.13**) * Aggregation – Inspect Event (**F14.5.14**) | Read only aggregations |
| **Rol.2.11** | Yes | * Record – Add Contextual Metadata (**F14.5.115**) * Record – Cancel Destruction (**F14.5.116**) * Record – Cancel Transfer (**F14.5.117**) * Record – Complete Review (**F14.5.118**) * Record – Confirm Destruction (**F14.5.119**) * Record – Confirm Transfer (**F14.5.120**) * Record – Create (**F14.5.121**) * Record – Delete Residual Event (**F14.5.122**) * Record – Delete Residual Metadata (**F14.5.123**) * Record – Disposal Alert (**F14.5.125**) * Record – Duplicate (**F14.5.126**) * Record – Held (**F14.5.128**) * Record – Inherit Default Class (**F14.5.129**) * Record – Inherit Default Disposal Schedule (**F14.5.130**) * Record – Inspect (**F14.5.131**) * Record – Inspect ACL (**F14.5.132**) * Record – Inspect Event (**F14.5.133**) * Record – Modify ACL (**F14.5.134**) * Record – Modify Metadata (**F14.5.135**) * Record – Modify Originated Date/Time (**F14.5.136**) * Record – Override Class (**F14.5.137**) * Record – Override Disposal Schedule (**F14.5.138**) * Record – Released (**F14.5.139**) * Record – Update Disposal (**F14.5.140**) | Read/write records |
| **Rol.2.12** | Yes | * Record – Inspect (**F14.5.131**) * Record – Inspect ACL (**F14.5.132**) * Record – Inspect Event (**F14.5.133**) * Record – Released (**F14.5.139**) * Record – Update Disposal (**F14.5.140**) | Read only records |
| **Rol.2.13** | Yes | * Disposal Hold – Inspect (**F14.5.63**) * Disposal Hold – Inspect ACL (**F14.5.64**) * Disposal Hold – Inspect Event (**F14.5.65**) * Disposal Schedule – Inspect (**F14.5.77**) * Disposal Schedule – Inspect ACL (**F14.5.78**) * Disposal Schedule – Inspect Event (**F14.5.79**) | Read only disposal |
| **Rol.2.14** | Yes | * Class – Inspect (**F14.5.30**) * Class – Inspect ACL (**F14.5.31**) * Class – Inspect Event (**F14.5.32**) | Read only classes |

## 2.A.3 Record service

### 2.A.3.1 Aggregation entities

| Title | Parent Aggregation | Open/closed | Class | Comment |
| --- | --- | --- | --- | --- |
| **Agg.2.1** | *Root* | Open | Cls.2.1 | Root aggregation |
| **Agg.2.2** | Agg.2.1 | Open | *Inherited* (Cls.2.1) | Child aggregation |

### 2.A.3.2 Record entities

| Title | Parent Aggregation | Class | Disposal Schedule | Comment |
| --- | --- | --- | --- | --- |
| **Rec.2.1** | Agg.2.2 | *Inherited* (Cls.2.1) | *Inherited* (DiS.2.1) | Active record created before test begins |
| **Rec.2.2** | Agg.2.2 | *Inherited* (Cls.2.1) | *Inherited* (DiS.2.1) | Active record created before test begins |

## 2.A.4 Disposal scheduling service

### 2.A.4.1 Disposal Schedule entities

| Title | Disposal Action Code | Retention Trigger | Retention Period | Comment |
| --- | --- | --- | --- | --- |
| **DiS.2.1** | Retain Permanently | *N/A* | *N/A* | This test module does not examine disposal – therefore any disposal schedule will do (required by classes, aggregations and records) |

## 2.A.5 Classification service

### 2.A.5.1 Class entities

| Title | Disposal Schedule | Comment |
| --- | --- | --- |
| **Cls.2.1** | DiS.2.1 | This test module does not examine classification – therefore any class will do (required by aggregations and records) |