

Test Module8

Searching, Retrieval and Presentation

Test Data Repository

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INTRODUCTION

The Test Data Repository is organized in several sub-chapters – one corresponding (Sub) Test Data Repository for each test module. This reduces complexity and guarantees higher readability and comprehensibility for the user.

Each of these documents has the same general structuring:

- ◆ **Agents & Access Controls:** This sub-chapter gives details about user profiles, user roles and user groups. Furthermore it will be explained which user roles have access permission to functions, aggregations and records. In addition we explain which user groups have access permission to aggregations and records.
- ◆ **Classification Scheme(s):** This sub-chapter includes all Classification Scheme(s) that are used within the corresponding sub-chapter of the test module. It lists information of the metadata of the classification scheme itself and of all aggregations and records within it.
- ◆ **Record types:** This sub-chapter gives detailed information about the records used.
- ◆ **Retention and Disposition Schedules:** This sub-chapter gives detailed information about the retention and disposition schedules used.
- ◆ **Content of captured records:** This sub-chapter gives detailed information about the content of the items that are captured as records. As these items are described before they are captured into the ERMS, no metadata elements can be used for the description.

To increase the usability of the Test Data Repository we marked the information in different colours. The blue coloured content represents the situation before test cases are executed (precondition). The red coloured content represents the situation after the test cases are executed (test result). Both situations are highlighted as far as possible. In some cases we used brackets (e.g. []) to highlight which entity is being affected by the test execution. Examples:

<i>Example</i>	<i>Explanation</i>
Class Corporate Direction	The item is a precondition for the test case. It has to be created before executing the test cases of the sub-chapters.
Class Corporate Direction	The item will be created within a test case.
[Class] [Corporate	The item will be deleted, reclassified, relocated when the test cases of the

Direction] sub chapter are being executed.

The metadata model requires metadata elements such as M163 *Identity.system_identifier* which are "populated" by the system when an agent is defined. We just use the values of these elements to have an internal linkage between our test data. These values do not have to match the existing values in the ERMS.

ON CHAPTER T8.1 - SEARCH AND RETRIEVAL

1.1 Agents & Access Controls

Within this chapter we summarise all agents and access controls that are needed for testing. The first sub-chapter, as far as possible, provides an insight into the profiles of the agents (users, user roles and user groups) used. The second sub-chapter summarises the access controls for agents to entities (entity/agent) and for agents to functions.

1.1.1 Agents (Users, User Groups and User Roles)

The following tables show the metadata of agents (Users, User Groups and User Roles).

1.1.1.1 Users

Following users need to be created or will be created during test execution:

M163	M167	M189	M171	M166	M165	M169	M170
Identity.system_identifier	Description.title	Description.email.address	Relation.entity_agent	Relation.has_role	Relation.is_member_of	Use.administrator	Use.inactive
<U01>	CA_user			<R01>		YES	NO
<U02>	MM_user1		<EA01>	<R02>		NO	NO

1.1.1.2 User Roles

Following roles need to be created or will be created during test execution:

M163	M167	M168	M171	Remarks and comments
Identity.system_identifier	Description.title	Relation.has_user	Relation.entity_agent	
<R01>	CentralAdministrator	<U01>		
<R02>	MarketingManagement	<U02>		

1.1.1.3 User Groups

The values to be used for testing are arbitrary.

1.1.2 Access controls

The following tables show the Entity/Agent relation and the access of agents to functions.

1.1.2.1 Entity/Agents

M175	M177	M176	M180	M179	M181
Identity.system_identifier	Relation.applies_to_agent	Relation.applies_to_entity	Use.rights.permission	Use.rights.start_date	Use.rights.end_date
<EA01>	<U02>	<CS01/003>	NO		

1.1.2.2 Access permissions of user roles to functions

Please note that the access permissions of a user role to the corresponding ERMS function is indicated by 'X'. If a user role has no access permissions to a function the corresponding cell is grey.

Following roles have access to the ERMS' functions:

Function	<R01>	<R02>
	CentralAdministrator	MarketingManagment
Add new classes	X	X
Create new files	X	
Change file metadata	X	X
Maintain classification scheme and files	X	
Delete files	X	
Capture records	X	
Relocate a record to a different file	X	
Search for and read records	X	X
Change content of records		
Change record metadata	X	
Delete records	X	
Place and remove disposal holds	X	X
Retention and disposition schedule and disposition transactions	X	X
Export and import files and records	X	X



Function	<R01> CentralAdministrator	<R02> MarketingManagment
View audit trails	X	X
Configure and manage audit trail	X	
Change audit trail data		
Move audit trail data to off-line storage media	X	
Perform all transactions related to users and their access privileges	X	
Allocate access permission to local administrators	X	
Allocate own access permission also to other users	X	X
Set up and manage case management role	X	
Maintain database and storage	X	
Maintain other system parameters	X	
Define and view other system reports	X	X

1.2 Classification Scheme(s)

This section includes all classification scheme(s) which are used within the test cases of the corresponding test module. First of all you will find the metadata for the classification scheme itself.

The next chapter(s) describe(s) the metadata of the aggregations and records defined in the classification scheme(s).

Please note that:

- ◆ it is possible that more than one classification scheme is defined. Therefore the fully-qualified classification code contains a prefix that uniquely identifies an entity across different classification schemes. Example: A class has the fully-qualified classification code <CS01/001>. This means that prefix CS01 indicates the classification scheme as specified above (M044)
- ◆ we only take metadata into account which are needed for testing. A full approach is not intended here.

M044	M045	M046
Identity.system_identifier	Description.title	Description.abstract.description*
<CS01>	TestClassificationScheme1	

* Optional

1.2.1 TestClassificationScheme1 – metadata of aggregations and records

M012	Type	M003	M069	M004	M089
Description.classification.fully-qualified_classification_code		Description.title	Description.author.name	Description.abstract.keyword	Event_history.Abstract.keyword_change_reason
<CS01/001>	Class	Marketing		weakness, opportunities	
<CS01/001/001>	File	Strategic business units	Martin Smith	opportunities	

M012 Description.classification.fully-qualified_classification_code	Type	M003 Description.title	M069 Description.author.name	M004 Description.abstract.keyword	M089 Event_history.Abstract.keyword_change_reason
<CS01/001/002>	File	Objectives	Martin Smith	[strength] test	Testing
<CS01/001/002/001>	Record	Innovation policies			
<CS01/001/001/002>	Record	Sales			
<CS01/001/003>	File	Markets			
<CS01/001/003/001>	Sub-file	Competitor A	Martin Smith	opportunities	
<CS01/001/003/001/001>	Volume	SWOT20	Dick Miller	weakness, strength, opportunities	
<CS01/001/003/001/001/001>	Record	Strategic planning	Dick Miller	weakness, strength, threats, opportunities	
<CS01/001/003/001/001/002>	Record extract	Performance			
<CS01/001/003/001/001/003>	Record	Sales			
<CS01/002>	Class	Marketing Management		weakness	
<CS01/002/001>	File	Market potentials		weakness	
<CS01/002/001/001>	Volume	Cluster analysis			
<CS01/002/001/001/001>	Record	Result			
<CS01/003>	Class	Legal			
<CS01/003/001>	Record	Contract1			
<CS01/004>	Class	Management			

M012 Description.classification.fully-qualified_classification_code	Type	M003 Description.title	M069 Description.author.name	M004 Description.abstract.keyword	M089 Event_history.Abstract.keyword_change_reason
<CS01/004/001>	File	Reporting			
<CS01/004/001/001>	Sub-file	Quarter1			
<CS01/004/001/001/001>	Record	ReportQ1			

1.3 Record Types

The values to be used for testing are arbitrary.

1.4 Retention and Disposition Schedules

The values to be used for testing are arbitrary.

1.5 Content of Captured Records

The following table list all documents that are used within the test cases.

Please note that the table(s) summarise(s) just the metadata elements which are necessary for testing.

1.5.1.1 Documents

Reference Identifier	Title	Format	Version	Highlighted content	Comment
RD01	Document1	any		The document contains at least following strings: <i>" process or business or strategy [...] process [...] process "</i>	No comment.
RD02	Document2	any		any	No comment.
RD03	Document3	any		any	No comment.
RD04	Document4	any		any	No comment.
RD05	Document5	any		any	No comment.
RD06	Document6	any		any	No comment.

ON CHAPTER T8.2 - PRESENTATION: DISPLAYING RECORDS

2.1 Agents & Access Controls

Within this chapter we summarise all agents and access controls that are needed for testing. The first sub-chapter, as far as possible, provides an insight into the profiles of the agents (users, user roles and user groups) used. The second sub-chapter summarises the access controls for agents to entities (entity/agent) and for agents to functions.

2.1.1 Agents (Users, User Groups and User Roles)

The following tables show the metadata of agents (Users, User Groups and User Roles).

2.1.1.1 Users

Following users need to be created or will be created during test execution:

M163	M167	M189	M171	M166	M165	M169	M170
Identity.system_identifier	Description.title	Description.email.address	Relation.entity_agent	Relation.has_role	Relation.is_member_of	Use.administrator	Use.inactive
<U01>	CA_user			<R01>		YES	NO

2.1.1.2 User Roles

Following roles need to be created or will be created during test execution:

M163	M167	M168	M171	Remarks and comments
Identity.system_identifier	Description.title	Relation.has_user	Relation.entity_agent	
<R01>	CentralAdministrator	<U01>		



2.1.1.3 User Groups

The values to be used for testing are arbitrary.

2.1.2 Access controls

The following tables show the Entity/Agent relation and the access of agents to functions.

2.1.2.1 Entity/Agents

The values to be used for testing are arbitrary.

2.1.2.2 Access permissions of user roles to functions

Please note that the access permissions of a user role to the corresponding ERMS function is indicated by 'X'. If a user role has no access permissions to a function the corresponding cell is grey.

Following roles have access to the ERMS' functions:

Function	<R01> CentralAdministrator
Add new classes	X
Create new files	X
Change file metadata	X
Maintain classification scheme and files	X
Delete files	X
Capture records	X



Function	<R01> CentralAdministrator
Relocate a record to a different file	X
Search for and read records	X
Change content of records	
Change record metadata	X
Delete records	X
Place and remove disposal holds	X
Retention and disposition schedule and disposition transactions	X
Export and import files and records	X
View audit trails	X
Configure and manage audit trail	X
Change audit trail data	
Move audit trail data to off-line storage media	X
Perform all transactions related to users and their access privileges	X
Allocate access permission to local administrators	X
Allocate own access permission also to other users	X
Set up and manage case management role	X
Maintain database and storage	X
Maintain other system parameters	X
Define and view other system reports	X



2.2 Classification Scheme(s)

This section includes all classification scheme(s) which are used within the test cases of the corresponding test module. First of all you will find the metadata for the classification scheme itself.

The next chapter(s) describe(s) the metadata of the aggregations and records defined in the classification scheme(s).

Please note that:

- ◆ it is possible that more than one classification scheme is defined. Therefore the fully-qualified classification code contains a prefix that uniquely identifies an entity across different classification schemes. Example: A class has the fully-qualified classification code <CS01/001>. This means that prefix CS01 indicates the classification scheme as specified above (M044)
- ◆ we only take metadata into account which are needed for testing. A full approach is not intended here.

M044	M045	M046
Identity.system_identifier	Description.title	Description.abstract.description*
<CS01>	TestClassificationScheme1	

* Optional

2.2.1 TestClassificationScheme1 – metadata of aggregations and records

M012	Type	M003	M069	M004
Description.classification.fully-qualified_classification_code		Description.title	Description.author.name	Description.abstract.keyword
<CS01/001>	Class	Marketing		weakness, opportunities
<CS01/001/001>	File	Strategic business units	Martin Smith	opportunities
<CS01/001/002>	File	Objectives	Martin Smith	test

M012 Description.classification.fully-qualified_classification_code	Type	M003 Description.title	M069 Description.author.name	M004 Description.abstract.keyword
<CS01/001/001/002>	Record	Sales		
<CS01/001/003>	File	Markets		
<CS01/001/003/001>	Sub-file	Competitor A	Martin Smith	opportunities
<CS01/001/003/001/001>	Volume	SWOT20	Dick Miller	weakness, strength, opportunities
<CS01/001/003/001/001/001>	Record	Strategic planning	Dick Miller	weakness, strength, threats, opportunities

2.3 Record Types

The values to be used for testing are arbitrary.

2.4 Retention and Disposition Schedules

The values to be used for testing are arbitrary.

2.5 Content of Captured Records

The values to be used for testing are arbitrary.

ON CHAPTER T8.3 - PRESENTATION: PRINTING

3.1 Agents & Access Controls

Within this chapter we summarise all agents and access controls that are needed for testing. The first sub-chapter, as far as possible, provides an insight into the profiles of the agents (users, user roles and user groups) used. The second sub-chapter summarises the access controls for agents to entities (entity/agent) and for agents to functions.

3.1.1 Agents (Users, User Groups and User Roles)

The following tables show the metadata of agents (Users, User Groups and User Roles).

3.1.1.1 Users

Following users need to be created or will be created during test execution:

M163	M167	M189	M171	M166	M165	M169	M170
Identity.system_identifier	Description.title	Description.email.address	Relation.entity_agent	Relation.has_role	Relation.is_member_of	Use.administrator	Use.inactive
<U01>	CA_user			<R01>		YES	NO

3.1.1.2 User Roles

Following roles need to be created or will be created during test execution:

M163	M167	M168	M171	Remarks and comments
Identity.system_identifier	Description.title	Relation.has_user	Relation.entity_agent	
<R01>	CentralAdministrator	<U01>		

3.1.1.3 User Groups

The values to be used for testing are arbitrary.

3.1.2 Access controls

The following tables show the Entity/Agent relation and the access of agents to functions.

3.1.2.1 Entity/Agents

M175	M177	M176	M180	M179	M181
Identity.system_identifier	Relation.applies_to_agent	Relation.applies_to_entity	Use.rights.permission	Use.rights.start_date	Use.rights.end_date
<EA01>	<U02>	<CS01/003>	NO		

3.1.2.2 Access permissions of user roles to functions

Please note that the access permissions of a user role to the corresponding ERMS function is indicated by 'X'. If a user role has no access permissions to a function the corresponding cell is grey.

Following roles have access to the ERMS' functions:

Function	<R01> CentralAdministrator
Add new classes	X
Create new files	X
Change file metadata	X



Function	<R01> CentralAdministrator
Maintain classification scheme and files	X
Delete files	X
Capture records	X
Relocate a record to a different file	X
Search for and read records	X
Change content of records	
Change record metadata	X
Delete records	X
Place and remove disposal holds	X
Retention and disposition schedule and disposition transactions	X
Export and import files and records	X
View audit trails	X
Configure and manage audit trail	X
Change audit trail data	
Move audit trail data to off-line storage media	X
Perform all transactions related to users and their access privileges	X
Allocate access permission to local administrators	X
Allocate own access permission also to other users	X



Function	<R01> CentralAdministrator
Set up and manage case management role	X
Maintain database and storage	X
Maintain other system parameters	X
Define and view other system reports	X

3.2 Classification Scheme(s)

This section includes all classification scheme(s) which are used within the test cases of the corresponding test module. First of all you will find the metadata for the classification scheme itself.

The next chapter(s) describe(s) the metadata of the aggregations and records defined in the classification scheme(s).

Please note that:

- ◆ it is possible that more than one classification scheme is defined. Therefore the fully-qualified classification code contains a prefix that uniquely identifies an entity across different classification schemes. Example: A class has the fully-qualified classification code <CS01/001>. This means that prefix CS01 indicates the classification scheme as specified above (M044)
- ◆ we only take metadata into account which are needed for testing. A full approach is not intended here.

M044	M045	M046
Identity.system_identifier	Description.title	Description.abstract.description*
<CS01>	TestClassificationScheme1	

* Optional

3.2.1 TestClassificationScheme1 – metadata of aggregations and records

M012	Type	M003	M069	M004	M025
Description.classification.fully-qualified_classification_code		Description.title	Description.author.name	Description.abstract.keyword	Relation.r&d_schedule
<CS01/001>	Class	Marketing		weakness, opportunities	<RDS01>
<CS01/001/001>	File	Strategic business units	Martin Smith	opportunities	<RDS01>

M012 Description.classification.fully-qualified_classification_code	Type	M003 Description.title	M069 Description.author.name	M004 Description.abstract.keyword	M025 Relation.r&d_schedule
<CS01/001/002>	File	Objectives	Martin Smith	test	<RDS01>
<CS01/001/002/001>	Record	Innovation policies			
<CS01/001/001/002>	Record	Sales			
<CS01/001/003>	File	Markets			<RDS01>
<CS01/001/003/001>	Sub-file	Competitor A	Martin Smith	opportunities	<RDS01>
<CS01/001/003/001/001>	Volume	SWOT20	Dick Miller	weakness, strength, opportunities	<RDS01>
<CS01/001/003/001/001/001>	Record	Strategic planning	Dick Miller	weakness, strength, threats, opportunities	
<CS01/001/003/001/001/002>	Record	Report			
<CS01/002>	Class	Marketing Management		weakness	<RDS01>
<CS01/002/001>	File	Market potentials		weakness	
<CS01/002/001/001>	Volume	Cluster analysis			
<CS01/002/001/001/001>	Record	Result			

3.3 Record Types

The values to be used for testing are arbitrary.

3.4 Retention and Disposition Schedules

M008 Identity.system_identifier.r etention_and_disposition_ schedule	M024 Description.title*	M014 Event_plan.event_type. disposition_action	M013 Event_plan.period*	M052 Event_plan.event_trigger	M133 Use.status. inheritance	M015 Description. abstract. Reason	M030 Description. Mandate*
<RDS01>	Test	Retain indefinitely	Indefinite	No		Test	Testing Regime

3.5 Content of Captured Records

The following table list all documents that are used within the test cases.

Please note that the table(s) summarise(s) just the metadata elements which are necessary for testing.

3.5.1.1 Documents

Reference Identifier	Title	Format	Version	Highlighted content	Comment
RD01	Document1	any		The document consists of two components, e.g. textual content and an image or web page with image.	No comment.



ON CHAPTER T8.4 - PRESENTATION: OTHERS

The values to be used for testing are arbitrary.