



Test Module10.6

Integration with Content Management Systems

Test Cases

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Document History

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T10.6 *Integration with Content Management Systems*

REMARKS	TEST DATA:	<p>The test data for the following tests (test module 10, chapter T10.6) can be found in the corresponding test data repository. The reference chapter is called 'on chapter T10.6 – Integration with Content Management Systems'.</p> <p>However, the following needs to be considered:</p> <ul style="list-style-type: none"> - we assume that you have both an existing ERMS and a CMS including some entities - records from an ERMS will be called ERMS-records, records from a CMS will be called CMS-records
	TEST EXECUTION:	<p>step (1) Please read the chapter Testframework – Introduction/Chapter 2 before starting the test execution.</p> <p>step (2) The test cases are designed in a way that enables you to skip certain test cases when required. However, the outcome of some test cases might be a precondition of subsequent tests. Where there are dependencies we have inserted test references into the precondition section of the test case. Careful attention should be given to the preconditions of the test cases.</p>

T10.6.1 Passing and Handling of Records

Abstract: This chapter focuses on the passing of records from ERMS to CMS and from CMS to ERMS. Existing records and special record formats such as web pages are considered.

T10.6.1.1 Passing Records from the ERMS to the CMS

I. Global test case information		
<i>test case id:</i>	T10.6.1.1	
<i>test case priority:</i>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Optional <input type="checkbox"/> Not Testable
<i>test case description:</i>	A user role passes copies of specified records from an ERMS to a CMS. A check is made to confirm that both the records and the metadata specified at configuration time are passed correctly. Please note: We do not state which metadata elements need to be configured. You can freely specify a set of metadata at configuration time.	
<i>Req.-ID:</i>	10.6.10	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> • Logged in as user of role NormalUser • Some metadata which should be passed from the ERMS to the CMS were configured at configuration time 		
<i>b. test steps</i>		
<i>step</i>	<i>action/operation</i>	<i>Check/ expected result</i>
1.	Select some ERMS records and pass a copy of them to the CMS.	The specified records and the corresponding metadata are passed to the CMS.
<i>c. postcondition(s)</i>		
<ul style="list-style-type: none"> • The ERMS allows the passing of copies of specified records and their metadata, specified at configuration time, to the CMS. 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>Remarks</i>		<i>tester</i>
		_____ date, signature

T10.6.1.2 Configuring the Behaviour upon Receipt of a Record

I. Global test case information		
<i>test case id:</i>	T10.6.1.2	
<i>test case priority:</i>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Optional
<i>test case description:</i>	Ensure that the ERMS can be configured so that upon receipt of CMS records it either <ul style="list-style-type: none"> automatically captures the records into the appropriate file(s) based on their metadata allows a user to specify the appropriate file(s) 	
<i>Req.-ID:</i>	10.6.1	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> Logged in as user of role CentralAdministrator 		
<i>b. test steps</i>		
step	action/operation	Check/ expected result
1.	Configure the behaviour of the ERMS upon receipt of CMS records.	The ERMS offers the following options: <ul style="list-style-type: none"> the ERMS automatically captures the records into the appropriate file(s) based on their metadata the ERMS allows a user to specify the appropriate file(s).
2.	Select the option "the ERMS automatically captures the records into the appropriate file(s) based on their metadata" and select one metadata (e.g. the title, the author) as the metadata to be used for the automatic capture of records.	The option is selected.
3.	Specify that the automatically captured records have to be stored in the file Policy Development (CS01/001/001) .	It is specified that all automatically captured records will be stored in the file Policy Development (CS01/001/001) .
<i>c. postcondition(s)</i>		
The behaviour of the ERMS upon receipt of CMS records can be configured in one of the following ways: <ul style="list-style-type: none"> the ERMS automatically captures the records into the appropriate file(s) based on their metadata. the ERMS allows a user to specify the appropriate file(s). 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature

T10.6.1.3 Receiving Records from a CMS (I)

I. Global test case information		
<i>test case id:</i>	T10.6.1.3	
<i>test case priority:</i>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Optional
<i>test case description:</i>	The ERMS is configured to automatically capture received CMS records in a specific file of the ERMS based on a specific metadata element. A check is made to ensure that the ERMS automatically captures a record received from a CMS in a specific file of the ERMS based on a specific metadata element.	
<i>Req.-ID:</i>	10.6.1	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> The ERMS is configured to capture input received from the CMS as a record in the file Policy Development (CS01/001/001) of the ERMS based on a specific metadata element (e.g. title, author, date of creation) (see test case T10.6.1.2) Logged in as user of role NormalUser 		
<i>b. test steps</i>		
<i>step</i>	<i>action/operation</i>	<i>Check/ expected result</i>
1.	Receive a record from the CMS.	The received record is captured as record Record1 (CS01/001/001/001) in the file Policy Development (CS01/001/001) of the ERMS.
<i>c. postcondition(s)</i>		
<ul style="list-style-type: none"> The ERMS automatically captures input received from the CMS as a record in a file, based on a specific metadata element. 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature



T10.6.1.4 Receiving Records from a CMS (II)

I. Global test case information		
<i>test case id:</i>	T10.6.1.4	
<i>test case priority:</i>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Optional <input type="checkbox"/> Not Testable
<i>test case description:</i>	The ERMS is configured to allow a user to specify the appropriate file(s) into which records received from a CMS will be captured. Ensure that the ERMS allows a user to specify the appropriate file(s) into which records received from a CMS will be captured.	
<i>Req.-ID:</i>	10.6.1	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> Logged in as user of role NormalUser 		
<i>b. test steps</i>		
step	action/operation	Check/ expected result
1.	Receive a record from the CMS.	The ERMS allows the user to specify into which file the received record will be captured.
2.	Specify that the received record will be captured into the file Information Technology (CS01/001/002) .	The received record is stored as the record Record2 (CS01/001/002/001) into the file Information Technology (CS01/001/002) .
<i>c. postcondition(s)</i>		
<ul style="list-style-type: none"> When capturing a received input from the CMS as record, the ERMS allows a user role to specify the file into which the received record will be captured. 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature

T10.6.1.5 Passing Existing Records from the CMS to the ERMS

I. Global test case information		
<i>test case id:</i>	T10.6.1.5	
<i>test case priority:</i>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Optional
<i>test case description:</i>	Two CMS-records exist in the CMS which differ in their format only. One CMS-record was passed to the ERMS before. An administrative role passes the second CMS-record to the ERMS. A check is made to confirm that the existing record in the ERMS is neither deleted nor changed but the second record is stored as a new record instead.	
<i>Req.-ID:</i>	10.6.4	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> • Logged in as user of role CentralAdministrator • TestClassificationScheme1 is created 		
<i>b. test steps</i>		
step	action/operation	check/ expected result
1.	Select and pass a record to the ERMS that is a rendition of Record5 (CS01/001/003/003) .	The selected record is passed to the ERMS and stored in a new record Record6 (CS01/001/003/004) . The record Record5 (CS01/001/003/003) is neither changed nor deleted.
<i>c. postcondition(s)</i>		
<ul style="list-style-type: none"> • The ERMS allows the passing of records which already exist. The existing records are neither changed nor deleted, instead a new record is created. 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature

T10.6.1.6 Linking of Existing Records Passed from the CMS to the ERMS

I. Global test case information		
<i>test case id:</i>	T10.6.1.6	
<i>test case priority:</i>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Optional <input type="checkbox"/> Not Testable
<i>test case description:</i>	Two records which only differ in format were passed sequentially from the CMS to the ERMS. A check is made to confirm that the ERMS automatically links the two records. Please note: The automatic linkage is only possible if the record identifiers are passed to the ERMS as metadata values when passing the record. If the record identifier is not passed no automatic linkage is possible and this test case can be ignored for compliance testing.	
<i>Req.-ID:</i>	10.6.5	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> • Logged in as user of role CentralAdministrator • TestClassificationScheme1 is created • The records Record3 (CS01/001/003/001) and Record4 (CS01/001/003/002) only differ in format and have been passed sequentially from the CMS to the ERMS. 		
<i>b. test steps</i>		
<i>step</i>	<i>action/operation</i>	<i>check/ expected result</i>
1.	Select the record Record3 (CS01/001/003/001) and check its metadata elements.	The ERMS automatically linked the record to the record Record4 (CS01/001/003/002) .
2.	Select the record Record4 (CS01/001/003/002) and check its metadata elements.	The ERMS automatically linked the record to the record Record3 (CS01/003/001) .
<i>c. postcondition(s)</i>		
<ul style="list-style-type: none"> • The ERMS automatically links a new record to an existing one if they are related provided that the CMS-record identifier is passed from the CMS to the ERMS. 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature

T10.6.1.7 Passing Web Pages from the CMS to the ERMS

I. Global test case information		
<i>test case id:</i>	T10.6.1.7	
<i>test case priority:</i>	<input type="checkbox"/> Mandatory	<input checked="" type="checkbox"/> Optional
<i>test case description:</i>	The ERMS receives web pages from the CMS and captures them as a single record. A check is made to confirm that the web pages can be declared as a single record.	
<i>Req.-ID:</i>	10.6.7	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> Logged in as user of role CentralAdministrator 		
<i>b. test steps</i>		
<i>step</i>	<i>action/operation</i>	<i>check/ expected result</i>
1.	Select and pass a set of web pages from the CMS to the ERMS.	The set of web pages can be captured as a single record in the ERMS.
<i>c. postcondition(s)</i>		
<ul style="list-style-type: none"> The ERMS allows the capturing of a set of web pages passed from the CMS as a single record. 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature

T10.6.1.8 Capturing CMS-Specific Components and Files as Records

I. Global test case information		
<i>test case id:</i>	T10.6.1.8	
<i>test case priority:</i>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Optional <input type="checkbox"/> Not Testable
<i>test case description:</i>	A check is made to confirm that the ERMS is able to capture CMS-specific components and file types as records in ERMS.	
<i>Req.-ID:</i>	10.6.2	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> • TestClassificationScheme1 is created • Logged in as user of role CentralAdministrator 		
<i>b. test steps</i>		
step	action/operation	check/ expected result
1.	Capture a content management log file from the CMS as a record in ERMS.	The content management log file is captured successfully.
2.	Capture a style sheet from the CMS as a record in the ERMS.	The style sheet is captured successfully.
<i>c. postcondition(s)</i>		
The ERMS is able to capture CMS-specific components and file types as records, including <ul style="list-style-type: none"> • Content management log files; • Style sheets. 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature

T10.6.2 Metadata and Audit Trail

Abstract: This chapter focuses on testing metadata that are required by a CMS and information that is contained in the audit trail.

T10.6.2.1 Accommodation of Metadata in the ERMS Required by the CMS

I. Global test case information		
<i>test case id:</i>	T10.6.2.1	
<i>test case priority:</i>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Optional <input type="checkbox"/> Not Testable
<i>test case description:</i>	Ensure that an administrative role can add additional specific metadata to the ERMS which are required by the CMS.	
<i>Req.-ID:</i>	10.6.3	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> Logged in as user of role CentralAdministrator 		
<i>b. test steps</i>		
<i>step</i>	<i>action/operation</i>	<i>check/ expected result</i>
1.	Add some additional metadata (e.g. IP address, status, language, publication date, effective date, reason for change) to the ERMS that are required by the CMS. This is normally done at configuration time.	The ERMS allows the accommodation of the new metadata that are used by the CMS.
<i>c. postcondition(s)</i>		
<ul style="list-style-type: none"> The ERMS allows the accommodation of new metadata which are required by the CMS. 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature

T10.6.2.2 Using Metadata as a Basis for Record Selection in the ERMS

I. Global test case information		
<i>test case id:</i>	T10.6.2.2	
<i>test case priority:</i>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Optional <input type="checkbox"/> Not Testable
<i>test case description:</i>	Some additional CMS-metadata were added to the ERMS (see test case T10.6.2.1). Some ERMS-records are to be passed to the CMS. Ensure that the user selecting the records to be passed can use any available CMS metadata values as a basis for his selection.	
<i>Req.-ID:</i>	10.6.9	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> Logged in as user of role NormalUser 		
<i>b. test steps</i>		
<i>step</i>	<i>action/operation</i>	<i>check/ expected result</i>
1.	Select ERMS-records that will be copied to the CMS by using CMS-metadata values as a basis (e.g. effective date status).	The ERMS allows using any available CMS-metadata for selecting the ERMS-records (e.g. for passing them to the CMS) to be copied to the CMS.
<i>c. postcondition(s)</i>		
<ul style="list-style-type: none"> The ERMS allows a user selecting records to be copied from the ERMS to the CMS to use any available CMS metadata values as a basis for the selection. 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature

T10.6.2.3 Logging in the Audit Trail and Metadata when Passing Records

I. Global test case information		
<i>test case id:</i>	T10.6.2.3	
<i>test case priority:</i>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Optional <input type="checkbox"/> Not Testable
<i>test case description:</i>	Records are being passed as copies from the ERMS to the CMS. A check is made to confirm that the ERMS automatically logs this proceeding in the audit trail and the records' metadata. Please note: The MoReq2 specification does not state the metadata element of the record into which the passing to the CMS needs to be stored. For testing purposes it must be demonstrated by the vendor which metadata element is considered suitable.	
<i>Req.-ID:</i>	10.6.11	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> • Logged in as user of role CentralAdministrator • Records are being passed as copies from the ERMS to the CMS (see test case T10.6.1.1). 		
<i>b. test steps</i>		
step	action/operation	check/ expected result
1.	Check the metadata of the records passed as copies to the CMS (see e.g. test case T10.6.1.1).	The ERMS automatically logged in the metadata of the records that a copy of it has been passed to the CMS.
2.	Check the ERMS audit trail after passing copies of records from the ERMS to the CMS (see e.g. test case T10.6.1.1).	The ERMS automatically logged in the audit trail that copies of the records have been passed to the CMS.
<i>c. postcondition(s)</i>		
<ul style="list-style-type: none"> • The ERMS logs automatically in the audit trail and the records metadata when records are being passed from the ERMS to the CMS. 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature

T10.6.2.4 Logging in the Audit Trail and Metadata when Receiving Records

I. Global test case information		
<i>test case id:</i>	T10.6.2.4	
<i>test case priority:</i>	<input checked="" type="checkbox"/> Mandatory	<input type="checkbox"/> Optional <input type="checkbox"/> Not Testable
<i>test case description:</i>	The ERMS receives records from the CMS. A check is made to confirm that the ERMS automatically logs this proceeding in the audit trail and the records' metadata. Please note: The MoReq2 specification does not state the metadata element of the record into which the passing to the CMS needs to be stored. For testing purposes it must be demonstrated by the vendor which metadata element is considered suitable.	
<i>Req.-ID:</i>	10.6.8	
II. Test case		
<i>a. precondition(s)</i>		
<ul style="list-style-type: none"> Logged in as user of role CentralAdministrator Records have been passed from the CMS to the ERMS (see test case T10.6.1.3) 		
<i>b. test steps</i>		
step	action/operation	check/ expected result
1.	Select at least one record which has been passed from the CMS to the ERMS in test case T10.6.1.3 and check its audit trail.	The audit trail contains information about the receiving of records from the CMS.
2.	Select at least one record which has been passed from the CMS to the ERMS in test case T10.6.1.3 and check its metadata elements.	The metadata elements contain information about the receiving of records from the CMS.
<i>c. postcondition(s)</i>		
<ul style="list-style-type: none"> The ERMS logs automatically in the audit trail and the record metadata the passing of records from the CMS to the ERMS. 		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed <input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature

T10.6.3 Others

Abstract: This chapter focuses on testing various aspects that have not been tested in the previous chapters.

T10.6.3.1 Binding Records to the Same Metadata Elements

I. Global test case information		
<i>test case id:</i>	T10.6.3.1	
<i>test case priority:</i>	<input type="checkbox"/> Mandatory	<input type="checkbox"/> Optional <input checked="" type="checkbox"/> Not Testable
<i>test case description:</i>	The corresponding requirement is not testable.	
<i>Req.-ID:</i>	10.6.6	
II. Test case		
<i>a. precondition(s)</i>		
•		
<i>b. test steps</i>		
<i>step</i>	<i>action/operation</i>	<i>check/ expected result</i>
1.		
<i>c. postcondition(s)</i>		
•		
III. Test result		
<i>defects / deviations</i>		<i>verdict</i>
		<input type="checkbox"/> passed
		<input type="checkbox"/> failed
<i>remarks</i>		<i>tester</i>
		_____ date, signature