

# Move Mountains

Peak Performance and Learning

## TRAININGPARTNER™ SCORM 1.1 AND 1.2 CONFORMANCE STATEMENT

*A TrainingPartner White Paper*

**T**rainingPartner™ software has been built to be compliant with versions 1.1 and 1.2 of the Sharable Content Object Reference Model. To ensure compliance with the SCORM standard, Training Partner has been tested against the SCORM Conformance Test Suite for Learning Management Systems.



## Contents

Introduction	3
ADL & SCORM	3
Training Partner & SCORM	3
SCORM Conformance Test Suite	4
Testing Details	4
LMS Run-Time Environment Test Suite Test Results	6
About TrainingPartner™ & GeoMetrix Data Systems Inc.	<b>Error! Bookmark not defined.</b>

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Corporate Head Office:  
Victoria, BC Canada

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## Introduction

### *ADL & SCORM*

The Advanced Distributed Learning (ADL) Initiative, which first released SCORM in January 2000, currently supports the adoption of the specifications through a criteria, test suite and procedures for SCORM Version 1.2 compliance. For more information on SCORM or ADL visit: [www.adlnet.org](http://www.adlnet.org)

SCORM is a collection of specifications adapted from multiple sources to provide a comprehensive suite of e-learning capabilities that enable interoperability, accessibility and reusability of Web-based learning content. Training Partner became compliant with SCORM courseware through v.1.2.3 with full support for all optional features. SCORM is built upon the work of the AICC, IMS, IEEE, ARIADNE and others to create one unified "reference model" of interrelated technical specifications and guidelines designed to meet high-level requirements for Web-based learning content.

### *Training Partner & SCORM*

Training Partner has been built to be compliant with versions 1.1 and 1.2 of the Sharable Content Object Reference Model (<http://www.adlnet.org/scorm/index.cfm>).

In order to ensure compliance with the SCORM standard, Training Partner has been tested against the SCORM Conformance Test Suite for Learning Management Systems.

A copy of the output of this test follows.

By conforming to these standards, GeoMetrix provides a greater level of flexibility for clients and content vendors. AICC and SCORM guidelines are the most widely accepted standards for the launching and tracking of computer-based courseware and are supported by numerous content providers both large and small at the time of certification.



# SCORM Conformance Test Suite

## Testing Details

**Advanced Distributed Learning (ADL)  
Sharable Content Object Reference Model (SCORM®) Version 1.2  
Test Suite Version 1.2.7  
Self Test Log**

**i** Test Identification Information:  
Date: Wednesday, November 15, 2006 12:21:15 PM  
LMS Product: Training Partner  
LMS Version: 2006.1.1.751  
LMS Vendor/Developer: GeoMetrix Data Systems

**i** Starting Self Test

**i** Starting Step 1 - Import ADL SCORM Test Course I  
✓ The operator indicated that the Course was imported successfully using the supplied Content Package.

**i** Starting Step 2 - Import ADL Test Course II  
✓ The operator indicated that the Course was imported successfully using the supplied Content Package.

**i** Starting Step 3 - Enroll Student in Test Course I  
✓ The operator indicated that the Student was enrolled successfully.

















**i** Starting Step 4 - Enroll Students in Test Course II  
✓ The operator indicated that the Student was enrolled successfully.

**i** Starting Step 5 - Take Test Course I















[Click here to view the LMS RTE Test Suite Results](#)

**i** \*\*\*\*\*  
**i** Executing Course 1  
**i** \*\*\*\*\*  
**i** \*\*\*\*\*  
**i** Testing SCO 01  
**i** \*\*\*\*\*  
**i** \*\*\*\*\*  
**i** Testing SCO 02  
**i** \*\*\*\*\*  
**i** \*\*\*\*\*  
**i** Testing SCO 03  
**i** \*\*\*\*\*  
**i** \*\*\*\*\*  
**i** \*\*\*\*\*  
**i** Testing SCO 04  
**i** \*\*\*\*\*





-  \*\*\*\*\*
-  Testing SCO 05
-  \*\*\*\*\*
-  \*\*\*\*\*
-  Testing SCO 06
-  \*\*\*\*\*
-  \*\*\*\*\*
-  Testing SCO 07
-  \*\*\*\*\*
-  \*\*\*\*\*
-  Testing SCO 08
-  \*\*\*\*\*
-  \*\*\*\*\*
-  Testing SCO 09
-  \*\*\*\*\*
-  \*\*\*\*\*

 ADL SCORM Test Course I has been completed.

-  Starting Step 6 - Take Test Course II
-  \*\*\*\*\*
-  Executing Course 2
-  \*\*\*\*\*
-  \*\*\*\*\*
-  Testing SCO 01
-  \*\*\*\*\*
-  \*\*\*\*\*
-  Testing SCO 02
-  \*\*\*\*\*
-  \*\*\*\*\*
-  Testing SCO 03
-  \*\*\*\*\*
-  \*\*\*\*\*

 The LMS is **SCORM Version 1.2 Run-Time Environment Conformant - Minimum with All Optional Data Model Elements (LMS-RTE3)**

-  The test is complete.
-  Successful outcome of this test does not constitute ADL Certification unless the test was conducted by an ADL Accredited Auditor.



*LMS Run-Time Environment Test Suite Test Results*

```

i *****
i SCO 01 has been launched.
i *****
i Validating SCO launch sequence.
✓ The SCO has been launched in the appropriate sequence.
i Attempting to call LMSInitialize function
✓ LMSInitialize found.
✓ LMSInitialize completed successfully
i Beginning mandatory data model element test.
✓ LMSGetValue found.
✓ LMSGetValue(cmi.core._children) returned:
"student_id,student_name,output_file,credit,lesson_location,lesson_mode,entry,exit,lesson_status,path,scormscore,session_time,total_time,launch_data,score"
✓ LMSGetValue(cmi.core.student_id) returned: "JS12345"
✓ LMSGetValue(cmi.core.student_name) returned: "Student, Joe"
✓ LMSSetValue found.
✓ LMSSetValue(cmi.core.lesson_location, "end") succeeded
✓ LMSGetValue(cmi.core.lesson_location) returned: "end"
✓ LMSGetValue(cmi.core.credit) returned: "credit"
✓ LMSGetValue(cmi.core.lesson_status) returned: "not attempted"
✓ LMSSetValue(cmi.core.lesson_status, "completed") succeeded
✓ LMSGetValue(cmi.core.lesson_status) returned: "completed"
✓ LMSGetValue(cmi.core.entry) returned: "ab-initio"
✓ LMSGetValue(cmi.core.score._children) returned: "raw,max,min,score"
✓ LMSSetValue(cmi.core.score.raw, "0") succeeded
✓ LMSGetValue(cmi.core.score.raw) returned: "0"
✓ LMSSetValue(cmi.core.session_time, "00:01:00") succeeded
✓ LMSSetValue(cmi.core.exit, "") succeeded
✓ LMSSetValue(cmi.suspend_data, "none") succeeded
✓ LMSGetValue(cmi.suspend_data) returned: "none"
✓ LMSGetValue(cmi.launch_data) returned: "SCO1LaunchData"
✓ The LMS returned cmi.core.launch_data equal to the <adlcp:datafromlms> value provided in the Content Package for this SCO.
Content Package <adlcp:datafromlms> value: "SCO1LaunchData"
LMS returned: "SCO1LaunchData"
i Attempting to call LMSCommit function
✓ LMSCommit found.
✓ LMSCommit completed successfully
i Attempting to call LMSFinish function
✓ LMSFinish found.
✓ LMSFinish completed successfully

i *****
i SCO 02 has been launched.
i *****
i Validating SCO launch sequence.
    
```

✓ The SCO has been launched in the appropriate sequence.

**i** Testing API Functions

**i** Testing LMSInitialize with incorrect parameter value

**i** Calling LMSInitialize("2")

✓ LMSGetLastError found.

✓ LMSGetErrorString found.

✓ LMSInitailize returned "false" and set the API Error Code to "201" (Invalid argument error) as expected.

**i** Now attempting to call LMSInitialize function correctly.

✓ LMSInitailize returned "true" and set the API Error Code to "0" (No error)

**i** Attempting to call LMSInitialize again for this SCO

✓ LMSInitialize returned error code "101" (General exception) as expected

**i** Testing LMSSetValue return values and error conditions

**i** Calling LMSSetValue("cmi.core.score.raw", "10") - (valid call for mandatory data model element)

✓ LMSSetValue returned "true" and set the API Error Code to "0" (No error)

**i** Calling LMSSetValue with invalid data model element name

**i** Attempting LMSSetValue("cmi.core.none", "10") Expecting return value of "false" and error code "201" (Invalid argument error) or "401" (Not implemented error).

✓ LMSSetValue returned "false" and set error code "201" (Invalid argument error)

**i** Calling LMSSetValue with read-only data model element

**i** Attempting LMSSetValue("cmi.core.student\_id", "10"). Expecting return value of "false" and error code "403" (Element is read only) or "201" (Invalid argument error).

✓ LMSSetValue returned "false" and set error code "403" (Element is read only)

**i** Calling LMSSetValue with invalid data type for data model element

**i** Attempting LMSSetValue("cmi.core.exit", "foo"). Expecting return value of "false" and error code "405" (Incorrect Data Type) or "201" (Invalid argument error).

✓ LMSSetValue returned "false" and set error code "405" (Incorrect data type)

**i** Calling LMSSetValue with a reserved element (.children)

**i** Attempting LMSSetValue("cmi.core.children", "foo"). Expecting return value of "false" and error code "402" (Invalid set value, element is a keyword) or "201" (Invalid argument error), or "403" (Element is read only).

✓ LMSSetValue returned "false" and set error code "402" (Invalid set value, element is a keyword)

**i** Calling LMSSetValue for list element with illegal non-sequential index value

**i** Attempting LMSSetValue("cmi.objectives.9.id", "O09"). Expecting return value of "false" and error code "201" (Invalid argument error) or "401" (Not implemented).

✓ LMSSetValue returned "false" and set error code "201" (Invalid argument error)

**i** Attempting LMSSetValue("cmi.core.lesson\_status", "not attempted"). Expecting return value of "false" and error code "405" (Incorrect data type) or "201" (Invalid argument error)

✓ LMSSetValue returned "false" and set error code "405" (Incorrect data type)

**i** Testing LMSGetValue return values and error conditions

**i** Calling LMSGetValue with invalid data model element name.

**i** Attempting LMSGetValue("cmi.core.none") Expecting error code "201" (Invalid argument error) or "401" (Not implemented error).

✓ LMSGetValue returned "" and set error code "201" (Invalid argument error)

**i** Calling LMSGetValue with write-only data model element.

**i** Attempting LMSGetValue("cmi.core.session\_time") Expecting error code "404" (Element is write only) or "201" (Invalid argument error).

✓ LMSGetValue returned "" and set error code "404" (Element is write only)

**i** Calling LMSGetValue for .children on data model category that has no children



**i** Attempting LMSGetValue("cmi.launch\_data.\_children") Expecting error code "202" (Element cannot have children) or "201" (Invalid argument error).

✓ LMSGetValue returned "" and set error code "202" (Element cannot have children)

**i** Calling LMSGetValue for \_count on data model element that is not an array/list

**i** Attempting LMSGetValue("cmi.launch\_data.\_count") Expecting error code "203" (Element not an array - Cannot have count) or "201" (Invalid argument error).

✓ LMSGetValue returned "" and set error code "203" (Element not an array - cannot have count)

**i** Testing LMSGetErrorString and LMSGetDiagnostic return values

✓ LMSGetErrorString("0") returned: "No error" as expected.

✓ LMSGetDiagnostic found.

✓ LMSGetDiagnostic("0") returned: "no additional information available"

✓ LMSGetErrorString("101") returned: "General exception" as expected.

✓ LMSGetDiagnostic("101") returned: "no additional information available"

✓ LMSGetErrorString("201") returned: "Invalid argument error" as expected.

✓ LMSGetDiagnostic("201") returned: "no additional information available"

✓ LMSGetErrorString("202") returned: "Element cannot have children" as expected.

✓ LMSGetDiagnostic("202") returned: "no additional information available"

✓ LMSGetErrorString("203") returned: "Element not an array - cannot have count" as expected.

✓ LMSGetDiagnostic("203") returned: "no additional information available"

✓ LMSGetErrorString("301") returned: "Not initialized" as expected.

✓ LMSGetDiagnostic("301") returned: "no additional information available"

✓ LMSGetErrorString("401") returned: "Not implemented error" as expected.

✓ LMSGetDiagnostic("401") returned: "no additional information available"

✓ LMSGetErrorString("402") returned: "Invalid set value, element is a keyword" as expected.

✓ LMSGetDiagnostic("402") returned: "no additional information available"

✓ LMSGetErrorString("403") returned: "Element is read only" as expected.

✓ LMSGetDiagnostic("403") returned: "no additional information available"

✓ LMSGetErrorString("404") returned: "Element is write only" as expected.

✓ LMSGetDiagnostic("404") returned: "no additional information available"

✓ LMSGetErrorString("405") returned: "Incorrect data type" as expected.

✓ LMSGetDiagnostic("405") returned: "no additional information available"

✓ LMSGetErrorString("") returned: "" as expected.

✓ LMSGetDiagnostic("") returned: "no additional information available"

✓ LMSSetValue(cmi.core.lesson\_status, "completed") succeeded

✓ LMSSetValue(cmi.core.exit, "") succeeded

✓ LMSSetValue(cmi.core.session\_time, "03:01:39.52") succeeded

**i** Testing LMSCommit with incorrect parameter value

**i** Calling LMSCommit("xyz")

✓ LMSCommit returned "false" and set the API Error Code to "201" (Invalid argument error) as expected.

**i** Attempting to call LMSCommit function

✓ LMSCommit completed successfully

**i** Testing LMSFinish with incorrect parameter value

**i** Calling LMSFinish("yahtzee!")

- ✓ LMSFinish returned "false" and set the API Error Code to "201" (Invalid argument error) as expected.
- i** Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully

**i** \*\*\*\*\*

**i** SCO 03 has been launched.

**i** \*\*\*\*\*

**i** Validating SCO launch sequence.

- ✓ The SCO has been launched in the appropriate sequence.

**i** Testing API Functions

**i** Calling LMSGetLastError() - (prior to calling LMSInitialize)

**i** Attempting LMSGetLastError(). Expecting return error code value of "0" (No Error).

- ✓ LMSGetLastError returned "0"

**i** Calling LMSSetValue("cmi.core.score.raw", "10") - (prior to calling LMSInitialize)

- ✓ LMSSetValue returned "false" and set the API Error Code to "301" (Not initialized) as expected

**i** Calling LMSGetValue("cmi.core.student\_id") - (prior to calling LMSInitialize)

- ✓ LMSGetValue returned "" and set the API Error Code to "301" (Not initialized) as expected

**i** Calling LMSCommit("") - (prior to calling LMSInitialize)

- ✓ LMSCommit returned "false" and set the API Error Code to "301" (Not initialized) as expected

**i** Calling LMSFinish("") - (prior to calling LMSInitialize)

- ✓ LMSFinish returned "false" and set the API Error Code to "301" (Not initialized) as expected

**i** Attempting to call LMSInitialize function

- ✓ LMSInitialize completed successfully

- ✓ LMSGetValue(cmi.core.credit) returned a value that is of the correct datatype: credit

- ✓ LMSSetValue(cmi.core.lesson\_status, "completed") succeeded

- ✓ LMSSetValue(cmi.core.score.raw, "25") succeeded

- ✓ The test course is being taken for "credit"

- ✓ LMSSetValue(cmi.core.exit, "") succeeded

- ✓ LMSSetValue(cmi.core.session\_time, "03:01:39.52") succeeded

**i** Attempting to call LMSCommit function

- ✓ LMSCommit completed successfully

**i** Attempting to call LMSFinish function

- ✓ LMSFinish completed successfully

**i** \*\*\*\*\*

**i** SCO 04 has been launched.

**i** \*\*\*\*\*

**i** Validating SCO launch sequence.

- ✓ The SCO has been launched in the appropriate sequence.

**i** Attempting to call LMSInitialize function

- ✓ LMSInitialize completed successfully

- ✓ LMSGetValue(cmi.core.entry) returned a value that is of the correct datatype: ab-initio

- ✓ LMSSetValue(cmi.core.lesson\_location, "#paragraph3") succeeded

- ✓ LMSSetValue(cmi.core.lesson\_status, "incomplete") succeeded

- ✓ LMSSetValue(cmi.core.exit, "logout") succeeded

- ✓ LMSSetValue(cmi.core.session\_time, "03:01:39.52") succeeded

- ✓ LMSSetValue(cmi.suspend\_data, "A=1,B=2,C=3") succeeded

**i** Attempting to call LMSCommit function



- ✓ LMSCommit completed successfully
- ❗ Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully
  
- ❗ This appears to be the second entry into SCO04
- ❗ Attempting to call LMSInitialize function
- ✓ LMSInitialize completed successfully
- ❗ Testing to determine LMS ability to save state for mandatory items across sessions
- ✓ LMSGetValue(cmi.core.lesson\_location) returned a value that is of the correct datatype: #paragraph3
- ✓ cmi.core.lesson\_location value matches previously set value
- ✓ LMSGetValue(cmi.suspend\_data) returned a value that is of the correct datatype: A=1,B=2,C=3
- ✓ cmi.suspend\_data value matches previously set value
- ✓ LMSGetValue(cmi.core.total\_time) returned a value that is of the correct datatype: 03:01:39.52
- ✓ cmi.core.total\_time returned correctly
- ✓ LMSSetValue(cmi.core.lesson\_status, "incomplete") succeeded
- ✓ LMSSetValue(cmi.core.exit, "suspend") succeeded
- ✓ LMSSetValue(cmi.core.session\_time, "00:12:48.22") succeeded
- ✓ LMSGetValue(cmi.core.entry) returned a value that is of the correct datatype:
- ❗ Attempting to call LMSCommit function
- ✓ LMSCommit completed successfully
- ❗ Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully
  
- ❗ This appears to be the third entry into SCO04
- ❗ Attempting to call LMSInitialize function
- ✓ LMSInitialize completed successfully
- ❗ Testing to determine LMS ability to save state for mandatory items across sessions
- ✓ LMSGetValue(cmi.core.total\_time) returned a value that is of the correct datatype: 03:14:27.74
- ✓ cmi.core.total\_time returned correctly
- ✓ LMSGetValue(cmi.core.credit) returned a value that is of the correct datatype: credit
- ✓ LMSSetValue(cmi.core.lesson\_status, "completed") succeeded
- ✓ LMSSetValue(cmi.core.score.raw, "25") succeeded
- ✓ LMSSetValue(cmi.core.exit, "") succeeded
- ❗ Attempting to call LMSCommit function
- ✓ LMSCommit completed successfully
- ❗ Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully
  
- ❗ \*\*\*\*\*
- ❗ SCO 05 has been launched.
- ❗ \*\*\*\*\*
- ❗ Validating SCO launch sequence.
- ✓ The SCO has been launched in the appropriate sequence.
- ❗ Attempting to call LMSInitialize function
- ✓ LMSInitialize completed successfully
- ❗ Beginning data model optional element implementation auditing.
- ✓ LMSSetValue(cmi.core.score.max, "100") succeeded
- ✓ LMSGetValue(cmi.core.score.max) returned: "100"

- ✔ LMSSetValue(cmi.core.score.min, "0") succeeded
- ✔ LMSSetValue(cmi.core.score.min) returned: "0"
- ✔ LMSSetValue(cmi.core.lesson\_mode) returned: "normal"
- ✔ LMSSetValue(cmi.comments, "These are my comments") succeeded
- ✔ LMSSetValue(cmi.comments, " These are my comments again") succeeded
- ✔ LMSSetValue(cmi.comments) returned: "These are my comments These are my comments again"
- ✔ LMSSetValue(cmi.comments\_from\_lms) returned: ""
- ✔ LMSSetValue(cmi.objectives.\_children) returned: "ERROR,id,score,status,min"
- ✔ LMSSetValue(cmi.objectives.\_count) returned: "0"
- ✔ LMSSetValue(cmi.objectives.0.id, "X990") succeeded
- ✔ LMSSetValue(cmi.objectives.0.id) returned: "X990"
- ✔ LMSSetValue(cmi.objectives.0.score.\_children) returned: "raw,max,min,id,score,status,min,score"
- ✔ LMSSetValue(cmi.objectives.0.score.raw, "75") succeeded
- ✔ LMSSetValue(cmi.objectives.0.score.raw) returned: "75"
- ✔ LMSSetValue(cmi.objectives.0.score.max, "100") succeeded
- ✔ LMSSetValue(cmi.objectives.0.score.max) returned: "100"
- ✔ LMSSetValue(cmi.objectives.0.score.min, "00") succeeded
- ✔ LMSSetValue(cmi.objectives.0.score.min) returned: "00"
- ✔ LMSSetValue(cmi.objectives.0.status, "completed") succeeded
- ✔ LMSSetValue(cmi.objectives.0.status) returned: "completed"
- ✔ LMSSetValue(cmi.objectives.1.id, "X991") succeeded
- ✔ LMSSetValue(cmi.objectives.1.id) returned: "X991"
- ✔ LMSSetValue(cmi.objectives.1.score.\_children) returned: "raw,max,min,id,score,status,min,score"
- ✔ LMSSetValue(cmi.objectives.1.score.raw, "75") succeeded
- ✔ LMSSetValue(cmi.objectives.1.score.raw) returned: "75"
- ✔ LMSSetValue(cmi.objectives.1.score.max, "100") succeeded
- ✔ LMSSetValue(cmi.objectives.1.score.max) returned: "100"
- ✔ LMSSetValue(cmi.objectives.1.score.min, "00") succeeded
- ✔ LMSSetValue(cmi.objectives.1.score.min) returned: "00"
- ✔ LMSSetValue(cmi.objectives.1.status, "completed") succeeded
- ✔ LMSSetValue(cmi.objectives.1.status) returned: "completed"
- ✔ LMSSetValue(cmi.objectives.2.id, "X992") succeeded
- ✔ LMSSetValue(cmi.objectives.2.id) returned: "X992"
- ✔ LMSSetValue(cmi.objectives.2.score.\_children) returned: "raw,max,min,id,score,status,min,score"
- ✔ LMSSetValue(cmi.objectives.2.score.raw, "75") succeeded
- ✔ LMSSetValue(cmi.objectives.2.score.raw) returned: "75"
- ✔ LMSSetValue(cmi.objectives.2.score.max, "100") succeeded
- ✔ LMSSetValue(cmi.objectives.2.score.max) returned: "100"
- ✔ LMSSetValue(cmi.objectives.2.score.min, "00") succeeded
- ✔ LMSSetValue(cmi.objectives.2.score.min) returned: "00"
- ✔ LMSSetValue(cmi.objectives.2.status, "completed") succeeded
- ✔ LMSSetValue(cmi.objectives.2.status) returned: "completed"
- ✔ LMSSetValue(cmi.objectives.3.id, "X993") succeeded
- ✔ LMSSetValue(cmi.objectives.3.id) returned: "X993"



- ✓ LMSGetValue(cmi.objectives.3.score.\_children) returned: "raw,max,min,id,score,status,min,score"
- ✓ LMSSetValue(cmi.objectives.3.score.raw, "75") succeeded
- ✓ LMSGetValue(cmi.objectives.3.score.raw) returned: "75"
- ✓ LMSSetValue(cmi.objectives.3.score.max, "100") succeeded
- ✓ LMSGetValue(cmi.objectives.3.score.max) returned: "100"
- ✓ LMSSetValue(cmi.objectives.3.score.min, "00") succeeded
- ✓ LMSGetValue(cmi.objectives.3.score.min) returned: "00"
- ✓ LMSSetValue(cmi.objectives.3.status, "completed") succeeded
- ✓ LMSGetValue(cmi.objectives.3.status) returned: "completed"
- ✓ LMSGetValue(cmi.objectives.\_count) returned: "4"
- ✓ LMSGetValue(cmi.student\_data.\_children) returned:  
"attempt\_number,mastery\_score,max\_time\_allowed,time\_limit\_action"
- ✓ LMSGetValue(cmi.student\_data.mastery\_score) returned: "80"
- ✓ LMSGetValue(cmi.student\_data.max\_time\_allowed) returned: "00:00:05"
- ✓ LMSGetValue(cmi.student\_data.time\_limit\_action) returned: "continue,message"
- ✓ The cmi.student\_data.mastery\_score value "80" matches the <masteryscore> defined in the Content Package for this SCO
- ✓ The cmi.student\_data.max\_time\_allowed value "00:00:05" matches the <adlcp:maxtimeallowed> defined in the Content Package for this SCO
- ✓ The cmi.student\_data.time\_limit\_action value "continue,message" matches the <adlcp:timelimitaction> defined in the Content Package for this SCO
- ✓ LMSGetValue(cmi.student\_preference.\_children) returned:  
"audio,language,lesson\_type,speed,text,text\_color,text\_location,text\_size,video,windows"
- ✓ LMSSetValue(cmi.student\_preference.audio, "9") succeeded
- ✓ LMSGetValue(cmi.student\_preference.audio) returned: "9"
- ✓ LMSSetValue(cmi.student\_preference.language, "US/English") succeeded
- ✓ LMSGetValue(cmi.student\_preference.language) returned: "US/English"
- ✓ LMSSetValue(cmi.student\_preference.speed, "5") succeeded
- ✓ LMSGetValue(cmi.student\_preference.speed) returned: "5"
- ✓ LMSSetValue(cmi.student\_preference.text, "1") succeeded
- ✓ LMSGetValue(cmi.student\_preference.text) returned: "1"
- ✓ LMSSetValue(cmi.core.lesson\_status, "completed") succeeded
- ✓ LMSSetValue(cmi.core.exit, "") succeeded
- ✓ LMSSetValue(cmi.core.session\_time, "03:01:39.52") succeeded
- i** Attempting to call LMSCommit function
- ✓ LMSCommit completed successfully
- i** Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully
- i** \*\*\*\*\*
- i** SCO 06 has been launched.
- i** \*\*\*\*\*
- i** Validating SCO launch sequence.
- ✓ The SCO has been launched in the appropriate sequence.
- i** Attempting to call LMSInitialize function
- ✓ LMSInitialize completed successfully
- i** Beginning cmi.interactions data model element implementation auditing.

- ✓ LMSGetValue(cmi.interactions.\_children) returned:  
"id,objectives,time,type,correct\_responses,weighting,student\_response,result,latency"
- ✓ LMSGetValue(cmi.interactions.\_count) returned: "0"
- ✓ LMSSetValue(cmi.interactions.0.id, "I000") succeeded
- ✓ LMSGetValue(cmi.interactions.0.objectives.\_count) returned: "0"
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id, "I0990") succeeded
- ✓ LMSSetValue(cmi.interactions.0.objectives.1.id, "I0991") succeeded
- ✓ LMSGetValue(cmi.interactions.0.objectives.\_count) returned: "2"
- ✓ LMSSetValue(cmi.interactions.0.time, "00:00:03") succeeded
- ✓ LMSSetValue(cmi.interactions.0.type, "performance") succeeded
- ✓ LMSGetValue(cmi.interactions.0.correct\_responses.\_count) returned: "0"
- ✓ LMSSetValue(cmi.interactions.0.correct\_responses.0.pattern, "Alphanumeric Text since type is performance")  
succeeded
- ✓ LMSGetValue(cmi.interactions.0.correct\_responses.\_count) returned: "1"
- ✓ LMSSetValue(cmi.interactions.0.weighting, "10") succeeded
- ✓ LMSSetValue(cmi.interactions.0.student\_response, "Alphanumeric Text since type is performance")  
succeeded
- ✓ LMSSetValue(cmi.interactions.0.result, "unanticipated") succeeded
- ✓ LMSSetValue(cmi.interactions.0.latency, "00:05:00") succeeded
- ✓ LMSSetValue(cmi.interactions.1.id, "I001") succeeded
- ✓ LMSGetValue(cmi.interactions.1.objectives.\_count) returned: "0"
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id, "I0990") succeeded
- ✓ LMSSetValue(cmi.interactions.1.objectives.1.id, "I0991") succeeded
- ✓ LMSGetValue(cmi.interactions.1.objectives.\_count) returned: "2"
- ✓ LMSSetValue(cmi.interactions.1.time, "00:00:03") succeeded
- ✓ LMSSetValue(cmi.interactions.1.type, "true-false") succeeded
- ✓ LMSGetValue(cmi.interactions.1.correct\_responses.\_count) returned: "0"
- ✓ LMSSetValue(cmi.interactions.1.correct\_responses.0.pattern, "t") succeeded
- ✓ LMSGetValue(cmi.interactions.1.correct\_responses.\_count) returned: "1"
- ✓ LMSSetValue(cmi.interactions.1.weighting, "10") succeeded
- ✓ LMSSetValue(cmi.interactions.1.student\_response, "f") succeeded
- ✓ LMSSetValue(cmi.interactions.1.result, "wrong") succeeded
- ✓ LMSSetValue(cmi.interactions.1.latency, "00:05:00") succeeded
- ✓ LMSSetValue(cmi.interactions.2.id, "I002") succeeded
- ✓ LMSGetValue(cmi.interactions.2.objectives.\_count) returned: "0"
- ✓ LMSSetValue(cmi.interactions.2.objectives.0.id, "I0990") succeeded
- ✓ LMSSetValue(cmi.interactions.2.objectives.1.id, "I0991") succeeded
- ✓ LMSGetValue(cmi.interactions.2.objectives.\_count) returned: "2"
- ✓ LMSSetValue(cmi.interactions.2.time, "00:00:03") succeeded
- ✓ LMSSetValue(cmi.interactions.2.type, "likert") succeeded
- ✓ LMSGetValue(cmi.interactions.2.correct\_responses.\_count) returned: "0"
- ✓ LMSSetValue(cmi.interactions.2.correct\_responses.0.pattern, "") succeeded
- ✓ LMSGetValue(cmi.interactions.2.correct\_responses.\_count) returned: "1"
- ✓ LMSSetValue(cmi.interactions.2.weighting, "10") succeeded
- ✓ LMSSetValue(cmi.interactions.2.student\_response, "j") succeeded



- ✓ LMSSetValue(cmi.interactions.2.result, "neutral") succeeded
- ✓ LMSSetValue(cmi.interactions.2.latency, "00:05:00") succeeded
- ✓ LMSSetValue(cmi.interactions.\_count) returned: "3"
- ✓ LMSSetValue(cmi.core.lesson\_status, "completed") succeeded
- ✓ LMSSetValue(cmi.core.exit, "") succeeded
- ✓ LMSSetValue(cmi.core.session\_time, "03:01:39.52") succeeded
- ❗ Attempting to call LMSCommit function
- ✓ LMSCommit completed successfully
- ❗ Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully
- ❗ Attempting to call LMSInitialize function
- ✓ LMSInitialize completed successfully
  
- ❗ \*\*\*\*\*
- ❗ SCO 07 has been launched.
- ❗ \*\*\*\*\*
- ❗ Validating SCO launch sequence.
- ✓ The SCO has been launched in the appropriate sequence.
- ✓ LMSSetValue(cmi.core.\_children) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.student\_id) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.student\_name) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.lesson\_location) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.credit) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.lesson\_status) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.entry) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.\_children) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.raw) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.total\_time) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.exit) returned expected error code: "404"
- ✓ LMSSetValue(cmi.core.session\_time) returned expected error code: "404"
- ✓ LMSSetValue(cmi.suspend\_data) returned expected error code: "0"
- ✓ LMSSetValue(cmi.launch\_data) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.max) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.min) returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.lesson\_mode) returned expected error code: "0"
- ✓ LMSSetValue(cmi.comments) returned expected error code: "0"
- ✓ LMSSetValue(cmi.comments\_from\_lms) returned expected error code: "0"
- ✓ LMSSetValue(cmi.student\_data.\_children) returned expected error code: "0"
- ✓ LMSSetValue(cmi.student\_data.mastery\_score) returned expected error code: "0"
- ✓ LMSSetValue(cmi.student\_data.max\_time\_allowed) returned expected error code: "0"
- ✓ LMSSetValue(cmi.student\_data.time\_limit\_action) returned expected error code: "0"
- ✓ LMSSetValue(cmi.student\_preference.\_children) returned expected error code: "0"
- ✓ LMSSetValue(cmi.student\_preference.audio) returned expected error code: "0"
- ✓ LMSSetValue(cmi.student\_preference.language) returned expected error code: "0"
- ✓ LMSSetValue(cmi.student\_preference.speed) returned expected error code: "0"
- ✓ LMSSetValue(cmi.student\_preference.text) returned expected error code: "0"

- ✓ LMSGetValue(cmi.interactions.\_children) returned expected error code: "0"
- ✓ LMSGetValue(cmi.interactions.\_count) returned expected error code: "0"
- ✓ LMSGetValue(cmi.interactions.0.id) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.1.id) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.0.objectives.\_count) returned expected error code: "0"
- ✓ LMSGetValue(cmi.interactions.0.objectives.0.id) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.2.objectives.0.id) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.0.time) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.2.time) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.0.type) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.1.type) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.0.correct\_responses.\_count) returned expected error code: "0"
- ✓ LMSGetValue(cmi.interactions.0.correct\_responses.0.pattern) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.1.correct\_responses.1.pattern) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.2.correct\_responses.0.pattern) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.0.weighting) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.1.weighting) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.0.student\_response) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.1.student\_response) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.0.result) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.2.result) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.0.latency) returned expected error code: "404"
- ✓ LMSGetValue(cmi.interactions.2.latency) returned expected error code: "404"
- ✓ LMSSetValue(cmi.core.lesson\_status, "completed") succeeded
- ✓ LMSSetValue(cmi.core.exit, "") succeeded
- ✓ LMSSetValue(cmi.core.session\_time, "03:01:39.52") succeeded
- ❗ Attempting to call LMSCommit function
- ✓ LMSCommit completed successfully
- ❗ Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully
- ❗ Attempting to call LMSInitialize function
- ✓ LMSInitialize completed successfully
  
- ❗ \*\*\*\*\*
- ❗ SCO 08 has been launched.
- ❗ \*\*\*\*\*
- ❗ Validating SCO launch sequence.
- ✓ The SCO has been launched in the appropriate sequence.
- ✓ LMSSetValue(cmi.core.\_children) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.core.student\_id) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.core.student\_name) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.core.lesson\_location) completed successfully. Condition tested: Valid CMISString255: "(A Blank String). Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.lesson\_location) completed successfully. Condition tested: Valid CMISString255: 1



Character. Returned expected error code: "0"

- ✓ LMSSetValue(cmi.core.lesson\_location) completed successfully. Condition tested: Valid CMIStr255: 25 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.lesson\_location) completed successfully. Condition tested: Valid CMIStr255: 255 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.lesson\_location) returned expected error code: "405". Condition tested: Invalid CMIStr255: 256 Characters
- ✓ LMSSetValue(cmi.core.lesson\_location) returned expected error code: "405". Condition tested: Invalid CMIStr255: 500 Characters
- ✓ LMSSetValue(cmi.core.credit) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.core.lesson\_status) completed successfully. Condition tested: Valid CMIVocabulary: 'passed'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.lesson\_status) completed successfully. Condition tested: Valid CMIVocabulary: 'completed'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.lesson\_status) completed successfully. Condition tested: Valid CMIVocabulary: 'failed'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.lesson\_status) completed successfully. Condition tested: Valid CMIVocabulary: 'incomplete'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.lesson\_status) completed successfully. Condition tested: Valid CMIVocabulary: 'browsed'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.lesson\_status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'not attempted'
- ✓ LMSSetValue(cmi.core.lesson\_status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'NA'
- ✓ LMSSetValue(cmi.core.lesson\_status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'status set to completed'
- ✓ LMSSetValue(cmi.core.lesson\_status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Passed'
- ✓ LMSSetValue(cmi.core.entry) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.core.score.\_children) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.core.score.raw) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.raw) completed successfully. Condition tested: '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.raw) completed successfully. Condition tested: '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.raw) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.raw) returned expected error code: "405". Condition tested: '-99'
- ✓ LMSSetValue(cmi.core.score.raw) returned expected error code: "405". Condition tested: '-90.99'
- ✓ LMSSetValue(cmi.core.score.raw) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.core.total\_time) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.core.exit) completed successfully. Condition tested: Valid CMIVocabulary: 'time-out'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.exit) completed successfully. Condition tested: Valid CMIVocabulary: 'suspend'. Returned expected error code: "0"

- ✓ LMSSetValue(cmi.core.exit) completed successfully. Condition tested: Valid CMIVocabulary: 'logout'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.exit) completed successfully. Condition tested: Empty String. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.exit) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Suspend'
- ✓ LMSSetValue(cmi.core.exit) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'LOGOUT'
- ✓ LMSSetValue(cmi.core.exit) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'T'
- ✓ LMSSetValue(cmi.core.exit) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'timeout'
- ✓ LMSSetValue(cmi.core.exit) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'timeou'
- ✓ LMSSetValue(cmi.core.session\_time) completed successfully. Condition tested: Valid CMITimespan '0000:03:45.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.session\_time) completed successfully. Condition tested: Valid CMITimespan '1121:03:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.session\_time) completed successfully. Condition tested: Valid CMITimespan '1121:00:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.session\_time) completed successfully. Condition tested: Valid CMITimespan '0000:00:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.session\_time) completed successfully. Condition tested: Valid CMITimespan '0000:00:40.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.session\_time) completed successfully. Condition tested: Valid CMITimespan '0000:00:00'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.session\_time) completed successfully. Condition tested: Valid CMITimespan '30:30:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.session\_time) completed successfully. Condition tested: Valid CMITimespan '30:99:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.session\_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '3 hours'
- ✓ LMSSetValue(cmi.core.session\_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '33330:30:40'
- ✓ LMSSetValue(cmi.core.session\_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:330:40'
- ✓ LMSSetValue(cmi.core.session\_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:40 seconds'
- ✓ LMSSetValue(cmi.core.session\_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.34'
- ✓ LMSSetValue(cmi.core.session\_time) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.344545'
- ✓ LMSSetValue(cmi.suspend\_data) completed successfully. Condition tested: Valid CMIStrng4096: "(A Blank String). Returned expected error code: "0"
- ✓ LMSSetValue(cmi.suspend\_data) completed successfully. Condition tested: Valid CMIStrng4096: 1 Character. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.suspend\_data) completed successfully. Condition tested: Valid CMIStrng4096: 25 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.suspend\_data) completed successfully. Condition tested: Valid CMIStrng4096: 4096



Characters. Returned expected error code: "0"

- ✓ LMSSetValue(cmi.suspend\_data) returned expected error code: "405". Condition tested: Invalid CMISString4096: 4097 Characters
- ✓ LMSSetValue(cmi.suspend\_data) returned expected error code: "405". Condition tested: Invalid CMISString4096: 5000 Characters
- ✓ LMSSetValue(cmi.launch\_data) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.core.score.max) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.max) completed successfully. Condition tested: '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.max) completed successfully. Condition tested: '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.max) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.max) returned expected error code: "405". Condition tested: '-99'
- ✓ LMSSetValue(cmi.core.score.max) returned expected error code: "405". Condition tested: '-90.99'
- ✓ LMSSetValue(cmi.core.score.max) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.core.score.min) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.min) completed successfully. Condition tested: '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.min) completed successfully. Condition tested: '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.min) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.core.score.min) returned expected error code: "405". Condition tested: '-99'
- ✓ LMSSetValue(cmi.core.score.min) returned expected error code: "405". Condition tested: '-90.99'
- ✓ LMSSetValue(cmi.core.score.min) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.core.lesson\_mode) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.comments) completed successfully. Condition tested: Valid CMISString4096: "(A Blank String). Returned expected error code: "0"
- ✓ LMSSetValue(cmi.comments) completed successfully. Condition tested: Valid CMISString4096: 4096 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.comments) returned expected error code: "405". Condition tested: Invalid CMISString4096: 4097 Characters
- ✓ LMSSetValue(cmi.comments\_from\_lms) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.objectives.\_children) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.objectives.\_count) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.objectives.0.id) completed successfully. Condition tested: Valid CMIIentifier 1 Character. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.id) completed successfully. Condition tested: Valid CMIIentifier 25 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.id) completed successfully. Condition tested: Valid CMIIentifier 255

Characters. Returned expected error code: "0"

- ✓ LMSSetValue(cmi.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIdentifier "(A Blank String)
- ✓ LMSSetValue(cmi.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIdentifier 256 Characters
- ✓ LMSSetValue(cmi.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIdentifier 500 Characters
- ✓ LMSSetValue(cmi.objectives.1.id) completed successfully. Condition tested: Valid CMIIdentifier 1 Character. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.id) completed successfully. Condition tested: Valid CMIIdentifier 25 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.id) completed successfully. Condition tested: Valid CMIIdentifier 255 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.id) returned expected error code: "405". Condition tested: Invalid CMIIdentifier "(A Blank String)
- ✓ LMSSetValue(cmi.objectives.1.id) returned expected error code: "405". Condition tested: Invalid CMIIdentifier 256 Characters
- ✓ LMSSetValue(cmi.objectives.1.id) returned expected error code: "405". Condition tested: Invalid CMIIdentifier 500 Characters
- ✓ LMSSetValue(cmi.objectives.0.score.\_children) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.objectives.1.score.\_children) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.objectives.0.score.raw) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.raw) completed successfully. Condition tested: '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.raw) completed successfully. Condition tested: '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.raw) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.raw) returned expected error code: "405". Condition tested: '-99'
- ✓ LMSSetValue(cmi.objectives.0.score.raw) returned expected error code: "405". Condition tested: '-90.99'
- ✓ LMSSetValue(cmi.objectives.0.score.raw) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.objectives.1.score.raw) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.raw) completed successfully. Condition tested: '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.raw) completed successfully. Condition tested: '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.raw) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.raw) returned expected error code: "405". Condition tested: '-99'
- ✓ LMSSetValue(cmi.objectives.1.score.raw) returned expected error code: "405". Condition tested: '-90.99'
- ✓ LMSSetValue(cmi.objectives.1.score.raw) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.objectives.0.score.max) completed successfully. Condition tested: '0'. Returned expected error code: "0"



- ✓ LMSSetValue(cmi.objectives.0.score.max) completed successfully. Condition tested: '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.max) completed successfully. Condition tested: '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.max) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.max) returned expected error code: "405". Condition tested: '-99'
- ✓ LMSSetValue(cmi.objectives.0.score.max) returned expected error code: "405". Condition tested: '-90.99'
- ✓ LMSSetValue(cmi.objectives.0.score.max) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.objectives.1.score.max) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.max) completed successfully. Condition tested: '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.max) completed successfully. Condition tested: '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.max) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.score.max) returned expected error code: "405". Condition tested: '-99'
- ✓ LMSSetValue(cmi.objectives.1.score.max) returned expected error code: "405". Condition tested: '-90.99'
- ✓ LMSSetValue(cmi.objectives.1.score.max) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.objectives.0.score.min) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.min) completed successfully. Condition tested: '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.min) completed successfully. Condition tested: '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.min) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.score.min) returned expected error code: "405". Condition tested: '-99'
- ✓ LMSSetValue(cmi.objectives.0.score.min) returned expected error code: "405". Condition tested: '-90.99'
- ✓ LMSSetValue(cmi.objectives.0.score.min) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.objectives.2.score.min) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.2.score.min) completed successfully. Condition tested: '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.2.score.min) completed successfully. Condition tested: '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.2.score.min) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.2.score.min) returned expected error code: "405". Condition tested: '-99'
- ✓ LMSSetValue(cmi.objectives.2.score.min) returned expected error code: "405". Condition tested: '-90.99'
- ✓ LMSSetValue(cmi.objectives.2.score.min) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested: Valid CMIVocabulary: 'passed'. Returned expected error code: "0"

- ✓ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested: Valid CMIVocabulary: 'completed'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested: Valid CMIVocabulary: 'failed'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested: Valid CMIVocabulary: 'incomplete'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested: Valid CMIVocabulary: 'browsed'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.status) completed successfully. Condition tested: Valid CMIVocabulary: 'not attempted'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.0.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'NA'
- ✓ LMSSetValue(cmi.objectives.0.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'status set to completed'
- ✓ LMSSetValue(cmi.objectives.0.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Passed'
- ✓ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'passed'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'completed'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'failed'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'incomplete'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'browsed'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.status) completed successfully. Condition tested: Valid CMIVocabulary: 'not attempted'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.objectives.1.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'NA'
- ✓ LMSSetValue(cmi.objectives.1.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'status set to completed'
- ✓ LMSSetValue(cmi.objectives.1.status) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Passed'
- ✓ LMSSetValue(cmi.student\_data.\_children) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.student\_data.mastery\_score) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.student\_data.max\_time\_allowed) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.student\_data.time\_limit\_action) returned expected error code: "403". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.student\_preference.\_children) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.student\_preference.audio) completed successfully. Condition tested: '-1'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.student\_preference.audio) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.student\_preference.audio) completed successfully. Condition tested: '100'. Returned



expected error code: "0"

- ✔ LMSSetValue(cmi.student\_preference.audio) returned expected error code: "405". Condition tested: '-2'
- ✔ LMSSetValue(cmi.student\_preference.audio) returned expected error code: "405". Condition tested: '101'
- ✔ LMSSetValue(cmi.student\_preference.audio) returned expected error code: "405". Condition tested: '32769'
- ✔ LMSSetValue(cmi.student\_preference.audio) returned expected error code: "405". Condition tested: '-32769'
- ✔ LMSSetValue(cmi.student\_preference.audio) returned expected error code: "405". Condition tested: '50000'
- ✔ LMSSetValue(cmi.student\_preference.audio) returned expected error code: "405". Condition tested: '-50000'
- ✔ LMSSetValue(cmi.student\_preference.audio) returned expected error code: "405". Condition tested: 'Empty String'
- ✔ LMSSetValue(cmi.student\_preference.audio) returned expected error code: "405". Condition tested: 'Foo'
- ✔ LMSSetValue(cmi.student\_preference.language) completed successfully. Condition tested: Valid CMISString255: "(A Blank String). Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student\_preference.language) completed successfully. Condition tested: Valid CMISString255: 1 Character. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student\_preference.language) completed successfully. Condition tested: Valid CMISString255: 25 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student\_preference.language) completed successfully. Condition tested: Valid CMISString255: 255 Characters. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student\_preference.language) returned expected error code: "405". Condition tested: Invalid CMISString255: 256 Characters
- ✔ LMSSetValue(cmi.student\_preference.language) returned expected error code: "405". Condition tested: Invalid CMISString255: 500 Characters
- ✔ LMSSetValue(cmi.student\_preference.speed) completed successfully. Condition tested: '-100'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student\_preference.speed) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student\_preference.speed) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student\_preference.speed) returned expected error code: "405". Condition tested: '-101'
- ✔ LMSSetValue(cmi.student\_preference.speed) returned expected error code: "405". Condition tested: '101'
- ✔ LMSSetValue(cmi.student\_preference.speed) returned expected error code: "405". Condition tested: '32769'
- ✔ LMSSetValue(cmi.student\_preference.speed) returned expected error code: "405". Condition tested: '-32769'
- ✔ LMSSetValue(cmi.student\_preference.speed) returned expected error code: "405". Condition tested: '50000'
- ✔ LMSSetValue(cmi.student\_preference.speed) returned expected error code: "405". Condition tested: '-50000'
- ✔ LMSSetValue(cmi.student\_preference.speed) returned expected error code: "405". Condition tested: 'Empty String'
- ✔ LMSSetValue(cmi.student\_preference.speed) returned expected error code: "405". Condition tested: 'Foo'
- ✔ LMSSetValue(cmi.student\_preference.text) completed successfully. Condition tested: '-1'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student\_preference.text) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student\_preference.text) completed successfully. Condition tested: '1'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.student\_preference.text) returned expected error code: "405". Condition tested: '-2'
- ✔ LMSSetValue(cmi.student\_preference.text) returned expected error code: "405". Condition tested: '2'
- ✔ LMSSetValue(cmi.student\_preference.text) returned expected error code: "405". Condition tested: '32769'
- ✔ LMSSetValue(cmi.student\_preference.text) returned expected error code: "405". Condition tested: '-32769'

- ✓ LMSSetValue(cmi.student\_preference.text) returned expected error code: "405". Condition tested: '50000'
- ✓ LMSSetValue(cmi.student\_preference.text) returned expected error code: "405". Condition tested: '-50000'
- ✓ LMSSetValue(cmi.student\_preference.text) returned expected error code: "405". Condition tested: 'Empty String'
- ✓ LMSSetValue(cmi.student\_preference.text) returned expected error code: "405". Condition tested: 'Foo'
- ✓ LMSSetValue(cmi.interactions.\_children) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.interactions.\_count) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.interactions.0.id) completed successfully. Condition tested: Valid CMIIIdentifier 1 Character. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.id) completed successfully. Condition tested: Valid CMIIIdentifier 25 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.id) completed successfully. Condition tested: Valid CMIIIdentifier 255 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier "(A Blank String)"
- ✓ LMSSetValue(cmi.interactions.0.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier 256 Characters
- ✓ LMSSetValue(cmi.interactions.0.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier 500 Characters
- ✓ LMSSetValue(cmi.interactions.1.id) completed successfully. Condition tested: Valid CMIIIdentifier 1 Character. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.id) completed successfully. Condition tested: Valid CMIIIdentifier 25 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.id) completed successfully. Condition tested: Valid CMIIIdentifier 255 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier "(A Blank String)"
- ✓ LMSSetValue(cmi.interactions.1.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier 256 Characters
- ✓ LMSSetValue(cmi.interactions.1.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier 500 Characters
- ✓ LMSSetValue(cmi.interactions.0.objectives.\_count) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.interactions.1.objectives.\_count) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) completed successfully. Condition tested: Valid CMIIIdentifier 1 Character. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) completed successfully. Condition tested: Valid CMIIIdentifier 25 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) completed successfully. Condition tested: Valid CMIIIdentifier 255 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier "(A Blank String)"
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier 256 Characters
- ✓ LMSSetValue(cmi.interactions.0.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIIdentifier 500 Characters



- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) completed successfully. Condition tested: Valid CMIIdentifier 1 Character. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) completed successfully. Condition tested: Valid CMIIdentifier 25 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) completed successfully. Condition tested: Valid CMIIdentifier 255 Characters. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIdentifier "(A Blank String)"
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIdentifier 256 Characters
- ✓ LMSSetValue(cmi.interactions.1.objectives.0.id) returned expected error code: "405". Condition tested: Invalid CMIIdentifier 500 Characters
- ✓ LMSSetValue(cmi.interactions.0.time) completed successfully. Condition tested: Valid CMITime '23:03:33.4'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.time) completed successfully. Condition tested: Valid CMITime '00:00:00'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.time) completed successfully. Condition tested: Valid CMITime '00:00:00.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.time) completed successfully. Condition tested: Valid CMITime '00:00:35.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.time) completed successfully. Condition tested: Valid CMITime '00:10:35.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.time) returned expected error code: "405". Condition tested: Invalid CMITime '99:03:33.4'
- ✓ LMSSetValue(cmi.interactions.0.time) returned expected error code: "405". Condition tested: Invalid CMITime '12:99:33.4'
- ✓ LMSSetValue(cmi.interactions.0.time) returned expected error code: "405". Condition tested: Invalid CMITime '12:99:3 seconds'
- ✓ LMSSetValue(cmi.interactions.0.time) returned expected error code: "405". Condition tested: Invalid CMITime '9812:99:33.4'
- ✓ LMSSetValue(cmi.interactions.2.time) completed successfully. Condition tested: Valid CMITime '23:03:33.4'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.time) completed successfully. Condition tested: Valid CMITime '00:00:00'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.time) completed successfully. Condition tested: Valid CMITime '00:00:00.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.time) completed successfully. Condition tested: Valid CMITime '00:00:35.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.time) completed successfully. Condition tested: Valid CMITime '00:10:35.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.time) returned expected error code: "405". Condition tested: Invalid CMITime '99:03:33.4'
- ✓ LMSSetValue(cmi.interactions.2.time) returned expected error code: "405". Condition tested: Invalid CMITime '12:99:33.4'
- ✓ LMSSetValue(cmi.interactions.2.time) returned expected error code: "405". Condition tested: Invalid CMITime '12:99:3 seconds'
- ✓ LMSSetValue(cmi.interactions.2.time) returned expected error code: "405". Condition tested: Invalid CMITime '9812:99:33.4'
- ✓ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'true-

false'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'choice'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'numeric'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'matching'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'performance'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'sequencing'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'likert'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.0.type) completed successfully. Condition tested: Valid CMIVocabulary: 'fill-in'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.0.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'TF'

✓ LMSSetValue(cmi.interactions.0.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'status set to choice'

✓ LMSSetValue(cmi.interactions.0.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: "(Empty String)"

✓ LMSSetValue(cmi.interactions.0.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Numeric'

✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'true-false'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'choice'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'numeric'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'matching'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'performance'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'sequencing'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'likert'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.1.type) completed successfully. Condition tested: Valid CMIVocabulary: 'fill-in'. Returned expected error code: "0"

✓ LMSSetValue(cmi.interactions.1.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'TF'

✓ LMSSetValue(cmi.interactions.1.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'status set to choice'

✓ LMSSetValue(cmi.interactions.1.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: "(Empty String)"

✓ LMSSetValue(cmi.interactions.1.type) returned expected error code: "405". Condition tested: Invalid CMIVocabulary: 'Numeric'

✓ LMSSetValue(cmi.interactions.0.correct\_responses.\_count) returned expected error code: "402". Condition tested: Called LMSSetValue



- ✓ LMSSetValue(cmi.interactions.1.correct\_responses.\_count) returned expected error code: "402". Condition tested: Called LMSSetValue
- ✓ LMSSetValue(cmi.interactions.0.correct\_responses.0.pattern) completed successfully. Condition tested: Valid CMIFeedback. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.correct\_responses.5.pattern) returned expected error code: "201". Condition tested: Invalid CMIFeedback - not sequential
- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: '-99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.weighting) completed successfully. Condition tested: '-90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.weighting) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: '0'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: '90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: '99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: '100'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: '-99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) completed successfully. Condition tested: '-90.99'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.1.weighting) returned expected error code: "405". Condition tested: 'one hundred' - written out
- ✓ LMSSetValue(cmi.interactions.0.student\_response) completed successfully. Condition tested: Valid CMIFeedback. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.5.student\_response) returned expected error code: "201". Condition tested: Invalid CMIFeedback - not sequential
- ✓ LMSSetValue(cmi.interactions.0.result) completed successfully. Condition tested: Valid CMIVocabulary 'correct'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.result) completed successfully. Condition tested: Valid CMIVocabulary 'wrong'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.result) completed successfully. Condition tested: Valid CMIVocabulary 'unanticipated'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.result) completed successfully. Condition tested: Valid CMIVocabulary 'neutral'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.result) completed successfully. Condition tested: Valid CMIVocabulary, a decimal value '95.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.result) returned expected error code: "405". Condition tested: Invalid

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CMIVocabulary 'C'

- ✓ LMSSetValue(cmi.interactions.0.result) returned expected error code: "405". Condition tested: Invalid CMIVocabulary 'WRONG'
- ✓ LMSSetValue(cmi.interactions.0.result) returned expected error code: "405". Condition tested: Invalid CMIVocabulary 'UNanticipated'
- ✓ LMSSetValue(cmi.interactions.2.result) completed successfully. Condition tested: Valid CMIVocabulary 'correct'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.result) completed successfully. Condition tested: Valid CMIVocabulary 'wrong'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.result) completed successfully. Condition tested: Valid CMIVocabulary 'unanticipated'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.result) completed successfully. Condition tested: Valid CMIVocabulary 'neutral'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.result) completed successfully. Condition tested: Valid CMIVocabulary, a decimal value '95.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.2.result) returned expected error code: "405". Condition tested: Invalid CMIVocabulary 'C'
- ✓ LMSSetValue(cmi.interactions.2.result) returned expected error code: "405". Condition tested: Invalid CMIVocabulary 'WRONG'
- ✓ LMSSetValue(cmi.interactions.2.result) returned expected error code: "405". Condition tested: Invalid CMIVocabulary 'UNanticipated'
- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '0000:03:45.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '1121:03:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '1121:00:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:40.5'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:00'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '30:30:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) completed successfully. Condition tested: Valid CMITimespan '30:99:40'. Returned expected error code: "0"
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3 hours'
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '33330:30:40'
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:330:40'
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:40 seconds'
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.34'
- ✓ LMSSetValue(cmi.interactions.0.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.344545'



- ✔ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '0000:03:45.5'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '1121:03:40'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '1121:00:40'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:40'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:40.5'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '0000:00:00'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '30:30:40'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.2.latency) completed successfully. Condition tested: Valid CMITimespan '30:99:40'. Returned expected error code: "0"
- ✔ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3 hours'
- ✔ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '33330:30:40'
- ✔ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:330:40'
- ✔ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:40 seconds'
- ✔ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.34'
- ✔ LMSSetValue(cmi.interactions.2.latency) returned expected error code: "405". Condition tested: Invalid CMITimespan '3330:30:1.344545'
- ✔ LMSSetValue(cmi.core.lesson\_status, "completed") succeeded
- ✔ LMSSetValue(cmi.core.exit, "") succeeded
- ✔ LMSSetValue(cmi.core.session\_time, "03:01:39.52") succeeded
- ❗ Attempting to call LMSCommit function
- ✔ LMSCommit completed successfully
- ❗ Attempting to call LMSFinish function
- ✔ LMSFinish completed successfully
  
- ❗ \*\*\*\*\*
- ❗ SCO 09 has been launched.
- ❗ \*\*\*\*\*
- ❗ Validating SCO launch sequence.
- ✔ The SCO has been launched in the appropriate sequence.
- ❗ Attempting to call LMSInitialize function
- ✔ LMSInitialize completed successfully
- ✔ LMSGetValue(cmi.core.student\_id) returned a value that is of the correct datatype: JS12345
- ✔ LMSGetLastError returned: 0
- ✔ LMSGetErrorString returned: *No error*
- ✔ LMSGetDiagnostic returned: *no additional information available*
- ❗ Attempting to call LMSCommit function
- ✔ LMSCommit completed successfully

- ✓ LMSSetValue(cmi.core.lesson\_status, "completed") succeeded
- ✓ LMSSetValue(cmi.core.exit, "") succeeded
- ✓ LMSSetValue(cmi.core.session\_time, "00:00:30") succeeded
- ❗ Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully
  
- ❗ \*\*\*\*\*
- ❗ SCO 01 has been launched.
- ❗ \*\*\*\*\*
- ❗ Validating SCO launch sequence.
- ✓ The SCO has been launched in the appropriate sequence.
- ❗ Attempting to call LMSInitialize function
- ✓ LMSInitialize completed successfully
- ✓ LMSGetValue(cmi.core.student\_name) returned a value that is of the correct datatype: Learner, Mary
- ✓ LMSGetValue(cmi.core.credit) returned a value that is of the correct datatype: no-credit
- ✓ LMSGetValue(cmi.core.lesson\_mode) returned a value that is of the correct datatype: browse
- ✓ LMSGetValue(cmi.launch\_data) returned a value that is of the correct datatype: SCO01 Launch Data
- ✓ The LMS returned cmi.core.launch\_data equal to the <adlcp:datafromlms> value provided in the Content Package for this SCO.  
Content Package <adlcp:datafromlms> value: "SCO01 Launch Data"  
LMS returned: "SCO01 Launch Data"
- ✓ LMSGetValue(cmi.student\_data.mastery\_score) returned a value that is of the correct datatype: 70
- ✓ The cmi.student\_data.mastery\_score value "70" matches the <adlcp:masteryscore> defined in the Content Package for this SCO
- ✓ LMSGetValue(cmi.student\_data.max\_time\_allowed) returned a value that is of the correct datatype: 00:00:05
- ✓ The cmi.student\_data.max\_time\_allowed value "00:00:05" matches the <adlcp:maxtimeallowed> defined in the Content Package for this SCO
- ✓ LMSGetValue(cmi.student\_data.time\_limit\_action) returned a value that is of the correct datatype: continue,message
- ✓ The cmi.student\_data.time\_limit\_action value "continue,message" matches the <adlcp:timelimitaction> defined in the Content Package for this SCO
- ✓ LMSSetValue(cmi.core.lesson\_status, "completed") succeeded
- ✓ LMSSetValue(cmi.core.exit, "") succeeded
- ✓ LMSSetValue(cmi.core.session\_time, "00:00:30") succeeded
- ❗ Attempting to call LMSCommit function
- ✓ LMSCommit completed successfully
- ❗ Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully
  
- ❗ \*\*\*\*\*
- ❗ SCO 02 has been launched.
- ❗ \*\*\*\*\*
- ❗ Validating SCO launch sequence.
- ✓ The SCO has been launched in the appropriate sequence.
- ❗ Attempting to call LMSInitialize function
- ✓ LMSInitialize completed successfully
- ✓ LMSGetValue(cmi.core.credit) returned a value that is of the correct datatype: no-credit
- ✓ LMSGetValue(cmi.core.lesson\_mode) returned a value that is of the correct datatype: browse
- ✓ LMSSetValue(cmi.core.lesson\_location, "#paragraph3") succeeded



- ✓ LMSSetValue(cmi.core.lesson\_status, "incomplete") succeeded
- ✓ LMSSetValue(cmi.core.exit, "logout") succeeded
- ✓ LMSSetValue(cmi.core.session\_time, "00:05:20.31") succeeded
- ✓ LMSSetValue(cmi.suspend\_data, "A=1,B=2,C=3") succeeded
- ❗ Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully
  
- ❗ This appears to be the second entry into SCO02
- ❗ Attempting to call LMSInitialize function
- ✓ LMSInitialize completed successfully
- ❗ Testing to determine LMS ability to save state for mandatory items across sessions
- ✓ LMSGetValue(cmi.core.lesson\_location) returned a value that is of the correct datatype: #paragraph3
- ✓ cmi.core.lesson\_location value matches previously set value
- ✓ LMSGetValue(cmi.suspend\_data) returned a value that is of the correct datatype: A=1,B=2,C=3
- ✓ cmi.suspend\_data value matches previously set value
- ✓ LMSGetValue(cmi.core.credit) returned a value that is of the correct datatype: no-credit
- ✓ LMSSetValue(cmi.core.lesson\_status, "completed") succeeded
- ✓ LMSSetValue(cmi.core.exit, "") succeeded
- ✓ LMSSetValue(cmi.core.session\_time, "03:01:39.52") succeeded
- ❗ Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully
  
- ❗ \*\*\*\*\*
- ❗ SCO 03 has been launched.
- ❗ \*\*\*\*\*
- ❗ Validating SCO launch sequence.
- ✓ The SCO has been launched in the appropriate sequence.
- ❗ Attempting to call LMSInitialize function
- ✓ LMSInitialize completed successfully
- ✓ LMSGetValue(cmi.core.student\_id) returned a value that is of the correct datatype: ML56789
- ✓ LMSGetLastError returned: 0
- ✓ LMSGetErrorString returned: *No error*
- ✓ LMSGetDiagnostic returned: *no additional information available*
- ❗ Attempting to call LMSCommit function
- ✓ LMSCommit completed successfully
- ✓ LMSSetValue(cmi.core.lesson\_status, "completed") succeeded
- ✓ LMSSetValue(cmi.core.exit, "") succeeded
- ✓ LMSSetValue(cmi.core.session\_time, "00:00:30") succeeded
- ❗ Attempting to call LMSFinish function
- ✓ LMSFinish completed successfully





## About TrainingPartner™ & GeoMetrix Data Systems Inc.

GeoMetrix Data Systems Inc. has succeeded in developing a learning and performance management solution that is technically superior, delivers exceptional business value and can evolve to reflect any business or technical environment.

Of course we offer the features and functionality for greater visibility of your workforce and also for capturing and sharing knowledge. We can help you increase performance, boost employee retention and lower administration costs. And our solution can reduce risks through improved compliance, and make it easier for you to drive business strategy.

But we also offer the lowest operating cost in the industry (according to Bersin & Associates). And our software has proven sustainable over time.

TrainingPartner's interface can be molded to match unique business rules, look & feel, workflows and processes. There is no need to live within the constraints of someone else's configuration. The system can be maintained at a stable level without exhausting resources.

A global application with unlimited scalability, you never need to upgrade to a different system. Fewer resources are required to maintain TrainingPartner than are needed for a typical installed solution. And hosted users have access to the LMS in a fully managed, completely scalable and highly secure environment without the technology challenges.

A fair licensing approach ensures the highest possible return on investment – while providing one of the most functionally rich learning management systems available.

Naturally we offer a range of services to support our products that includes implementation resources, software customization development, on-site and virtual training and technical support.

But our software is designed to require fewer consulting hours than other learning and performance management systems. The result is a fast and low-cost implementation.

We take a partnership approach to our customer relationships and have made service a priority. Our philosophy is that both parties should benefit from any relationship. We believe it is our job to help our clients be successful in management learning and performance in their organizations.

GeoMetrix has a long history of meeting customer requirements while dealing with changing technology and market conditions. The result is the industry's only sustainable learning and performance management solution.

An ideal balance of out-of-the-box functionality with a configurable interface equal a solution tailored to your needs – without the cost of developing a custom system. Engineered to optimally balance short-term needs versus long-term requirements, TrainingPartner delivers the highest quality and reliability to customers.

Following sustainable business and development models since 1992, GeoMetrix has proved that it can deliver value today and tomorrow. GeoMetrix has the capacity to endure and will meet your needs whatever the next generation brings.

Let us help you move mountains with TrainingPartner... peak performance and learning is within reach.

For more information about the learning management products and services from GeoMetrix Data Systems Inc. please call 1-800-616-5409, visit [www.trainingpartner.com](http://www.trainingpartner.com) or email [info@trainingpartner.com](mailto:info@trainingpartner.com).