

| RTE Variables | SCORM Data element | | Permissions | | | | C | A | B |
|-----------------------------|---|-------------------------------------|-------------|---|-----|---|---|---|---|
| | Version | | 2004 | | 1.2 | | | | |
| | 2004 | 1.2 | R | W | R | W | | | |
| startDate | 1 | 1 | 1 | | 1 | | | | |
| startMS | 1 | 1 | 1 | | 1 | | | | |
| verScorm | 1 | 1 | 1 | | 1 | | | | |
| learnerName | cmi.learner_name | cmi.core.student_name | 1 | | 1 | | | 1 | |
| learnerId | cmi.learner_id | cmi.core.student_id | 1 | | 1 | | | 1 | |
| completionThreshold | cmi.completion_threshold | cmi.student_data.mastery_score | 1 | | 1 | | | 1 | |
| credit | cmi.credit | cmi.core.credit | 1 | | 1 | | | 1 | |
| entry | cmi.entry | cmi.core.entry | 1 | | 1 | | | 1 | |
| launchData | cmi.launch_data | cmi.launch_data | 1 | | 1 | | | 1 | |
| maxTimeAllowed | cmi.max_time_allowed | cmi.student_data.max_time_allowed | 1 | | 1 | | | 1 | |
| timeLimitAction | cmi.time_limit_action | cmi.student_data.time_limit_action | 1 | | 1 | | | 1 | |
| mode | cmi.mode | cmi.core.lesson_mode | 1 | | 1 | | | 1 | |
| totalTime | cmi.total_time | cmi.core.total_time | 1 | | 1 | | | 1 | |
| scoreChildren | cmi.score_children | cmi.core.score_children | 1 | | 1 | | | 1 | |
| interactionChildren | cmi.interactions_children | cmi.interactions_children | 1 | | 1 | | | 1 | |
| learnerPreferenceChildren | cmi.learner_preference_children | cmi.student_preference_children | 1 | | 1 | | | 1 | |
| objectivesChildren | cmi.objectives_children | cmi.objectives_children | 1 | | 1 | | | 1 | |
| startTimeStamp | 1 | 1 | 1 | | 1 | | | | |
| version | cmi_version | | 1 | | | | 1 | | |
| scaledPassingScore | cmi.scaled_passing_score | | 1 | | | | 1 | | |
| commentsLearnerChildren | cmi.comments_from_learner_children | | 1 | | | | 1 | | |
| commentsLMSChildren | cmi.comments_from_lms_children | | 1 | | | | 1 | | |
| dataChildren | adl.data_children | | 1 | | | | 1 | | |
| studentDataChildren | | cmi.student_data_children | | | 1 | | 1 | | |
| coreChildren | | cmi.core_children | | | 1 | | 1 | | |
| interactionsCount | cmi.interactions_count | cmi.interactions_count | 1 | | 1 | | | 1 | |
| objectivesCount | cmi.objectives_count | cmi.objectives_count | 1 | | 1 | | | 1 | |
| commentsLearnerCount | cmi.comments_from_learner_count | | 1 | | | | | | |
| commentsLMSCount | cmi.comments_from_lms_count | | 1 | | | | | | |
| dataCount | adl.data_count | | 1 | | | | | | |
| navReqValidContinue | adl.nav.request_valid.continue | | 1 | | | | | | |
| navReqValidPrevious | adl.nav.request_valid.previous | | 1 | | | | | | |
| navReqValidChoice | adl.nav.request_valid.choice | | 1 | | | | | | |
| navReqValidJump | adl.nav.request_valid.jump | | 1 | | | | | | |
| rteLocation | cmi.location | cmi.core.lesson_location | 1 | 1 | 1 | 1 | | 1 | |
| suspendData | cmi.suspend_data | cmi.suspend_data | 1 | 1 | 1 | 1 | | 1 | |
| completionStatus | cmi.completion_status | cmi.core.lesson_status | 1 | 1 | 1 | 1 | | 1 | |
| scoreRaw | cmi.score.raw | cmi.core.score.raw | 1 | 1 | 1 | 1 | | 1 | |
| scoreMin | cmi.score.min | cmi.core.score.min | 1 | 1 | 1 | 1 | | 1 | |
| scoreMax | cmi.score.max | cmi.core.score.max | 1 | 1 | 1 | 1 | | 1 | |
| learnerPreferenceAudio | cmi.learner_preference.audio_level | cmi.student_preference.audio | 1 | 1 | 1 | 1 | | 1 | |
| learnerPreferenceLanguage | cmi.learner_preference.language | cmi.student_preference.language | 1 | 1 | 1 | 1 | | 1 | |
| learnerPreferenceSpeed | cmi.learner_preference.delivery_speed | cmi.student_preference.speed | 1 | 1 | 1 | 1 | | 1 | |
| learnerPreferenceCaptioning | cmi.learner_preference.audio_captioning | cmi.student_preference.text | 1 | 1 | 1 | 1 | | 1 | |
| progressMeasure | cmi.progress_measure | | 1 | 1 | | | | | |
| successStatus | successStatus | | 1 | 1 | | | | | |
| scoreScaled | cmi.score.scaled | | 1 | 1 | | | | | |
| navRequest | adl.nav.request | | 1 | 1 | | | | | |
| exit | cmi.exit | cmi.core.exit | | 1 | | 1 | | 1 | |
| sessionTime | cmi.session_time | cmi.core.session_time | | 1 | | 1 | | 1 | |
| interactionsId | cmi.interactions.n.id | cmi.interactions.n.id | 1 | 1 | | 1 | | 1 | |
| interactionsInitTime | 1 | 1 | 1 | 1 | | 1 | | 1 | |
| interactionsType | cmi.interactions.n.type | cmi.interactions.n.type | 1 | 1 | | 1 | | 1 | |
| interactionsObjectivesCount | cmi.interactions.n.objectives_count | cmi.interactions.n.objectives_count | 1 | | 1 | | | 1 | |
| interactionsObjectivesId | cmi.interactions.n.objectives.m.id | cmi.interactions.n.objectives.n.id | 1 | 1 | | 1 | | 1 | |

| RTE Variables | SCORM Data element | | Permissions | | | | C | A | B |
|--------------------------------|--|--|-------------|----|-----|----|----|----|----|
| | Version | | 2004 | | 1.2 | | | | |
| | 2004 | 1.2 | R | W | R | W | | | |
| interactionsTs | cmi.interactions.n.timestamp | cmi.interactions.n.time | 1 | 1 | | 1 | | 1 | 1 |
| interactionsCorrectRespCount | cmi.interactions.n.correct_responses._count | cmi.interactions.n.correct_responses._count | 1 | | 1 | | | 1 | 1 |
| interactionsCorrectRespPattern | cmi.interactions.n.correct_responses.n.pattern | cmi.interactions.n.correct_responses.n.pattern | 1 | 1 | | 1 | | 1 | 1 |
| interactionsWeight | cmi.interactions.n.weighting | cmi.interactions.n.weighting | 1 | 1 | | 1 | | 1 | 1 |
| interactionsResponse | cmi.interactions.n.learner_response | cmi.interactions.n.student_response | 1 | 1 | | 1 | | 1 | 1 |
| interactionsResult | cmi.interactions.n.result | cmi.interactions.n.result | 1 | 1 | | 1 | | 1 | 1 |
| interactionsLatency | cmi.interactions.n.latency | cmi.interactions.n.latency | 1 | 1 | | 1 | | 1 | 1 |
| objectivesId | cmi.objectives.n.id | cmi.objectives.n.id | 1 | 1 | 1 | 1 | | 1 | 1 |
| objectivesScoreChildren | cmi.objectives.n.score._children | cmi.objectives.n.score._children | 1 | | 1 | | | 1 | 1 |
| objectivesScoreRaw | cmi.objectives.n.score.raw | cmi.objectives.n.score.raw | 1 | 1 | 1 | 1 | | 1 | 1 |
| objectivesScoreMin | cmi.objectives.n.score.min | cmi.objectives.n.score.min | 1 | 1 | 1 | 1 | | 1 | 1 |
| objectivesScoreMax | cmi.objectives.n.score.max | cmi.objectives.n.score.max | 1 | 1 | 1 | 1 | | 1 | 1 |
| objectivesCompletionStatus | cmi.objectives.n.completion_status | cmi.objectives.n.status | 1 | 1 | 1 | 1 | | 1 | 1 |
| commentsLearner | cmi.comments_from_learner.n.coments | | 1 | 1 | | | | 1 | |
| commentsLearnerLoc | cmi.comments_from_learner.n.location | | 1 | 1 | | | | 1 | |
| commentsLearnerTs | cmi.comments_from_learner.n.timestamp | | 1 | 1 | | | | 1 | |
| commentsLMS | cmi.comments_from_lms.n.coments | | 1 | | | | | 1 | |
| commentsLMSLoc | cmi.comments_from_lms.n.location | | 1 | | | | | 1 | |
| commentsLMSTs | cmi.comments_from_lms.n.timestamp | | 1 | | | | | 1 | |
| interactionsDescription | cmi.interactions.n.description | | 1 | 1 | | | | 1 | |
| objectivesSuccessStatus | cmi.objectives.n.success_status | | 1 | 1 | | | | 1 | |
| objectivesScoreScaled | cmi.objectives.n.score.scaled | | 1 | 1 | | | | 1 | |
| objectivesProgressMeasure | cmi.objectives.n.progress_measure | | 1 | 1 | | | | 1 | |
| objectivesDescription | cmi.objectives.n.description | | 1 | 1 | | | | 1 | |
| dataId | adl.data.n.id | | 1 | 1 | | | | 1 | |
| dataStore | adl.data.n.store | | 1 | 1 | | | | 1 | |
| commentsLearner | | cmi.comments | | | 1 | 1 | | | |
| commentsLMS | | cmi.comments_from_lms | | | 1 | | | | |
| 83 | 79 | 54 | 77 | 41 | 42 | 28 | 25 | 31 | 45 |
| | 74 | 49 | | | | | | | |

| | |
|-----------------------------------|-----------|
| Common to both versions: | 45 |
| Exclusive to 2004 version: | 29 |
| Exclusive to 1.2 version: | 4 |
| Auxiliar (no data element, Both): | 5 |
| RTE Variables | 83 |

| RTE Variables | SCORM Data element | | Permissions | | | | C | A |
|--------------------------------|--|--|-------------|---|-----|---|---|---|
| | Version | | 2004 | | 1.2 | | | |
| | 2004 | 1.2 | R | W | R | W | | |
| commentsLearner | cmi.comments_from_learner.n.coments | | 1 | 1 | | | | 1 |
| commentsLearner | | cmi.comments | | | 1 | 1 | | |
| commentsLearnerChildren | cmi.comments_from_learner._children | | 1 | | | | 1 | |
| commentsLearnerCount | cmi.comments_from_learner._count | | 1 | | | | | |
| commentsLearnerLoc | cmi.comments_from_learner.n.location | | 1 | 1 | | | | 1 |
| commentsLearnerTs | cmi.comments_from_learner.n.timestamp | | 1 | 1 | | | | 1 |
| commentsLMS | cmi.comments_from_lms.n.coments | | 1 | | | | | 1 |
| commentsLMS | | cmi.comments_from_lms | | | 1 | | | |
| commentsLMSChildren | cmi.comments_from_lms._children | | 1 | | | | 1 | |
| commentsLMSCount | cmi.comments_from_lms._count | | 1 | | | | | |
| commentsLMSLoc | cmi.comments_from_lms.n.location | | 1 | | | | | 1 |
| commentsLMSTs | cmi.comments_from_lms.n.timestamp | | 1 | | | | | 1 |
| completionStatus | cmi.completion_status | cmi.core.lesson_status | 1 | 1 | 1 | 1 | | |
| completionThreshold | cmi.completion_threshold | cmi.student_data.mastery_score | 1 | | 1 | | 1 | |
| coreChildren | | cmi.core._children | | | 1 | | 1 | |
| credit | cmi.credit | cmi.core.credit | 1 | | 1 | | 1 | |
| dataChildren | adl.data._children | | 1 | | | | 1 | |
| dataCount | adl.data._count | | 1 | | | | | |
| dataId | adl.data.n.id | | 1 | 1 | | | | 1 |
| dataStore | adl.data.n.store | | 1 | 1 | | | | 1 |
| entry | cmi.entry | cmi.core.entry | 1 | | 1 | | 1 | |
| exit | cmi.exit | cmi.core.exit | | 1 | | 1 | | |
| interactionChildren | cmi.interactions._children | cmi.interactions._children | 1 | | 1 | | 1 | |
| interactionsCorrectRespCount | cmi.interactions.n.correct_responses._count | cmi.interactions.n.correct_responses._count | 1 | | 1 | | | 1 |
| interactionsCorrectRespPattern | cmi.interactions.n.correct_responses.n.pattern | cmi.interactions.n.correct_responses.n.pattern | 1 | 1 | | 1 | | 1 |
| interactionsCount | cmi.interactions._count | cmi.interactions._count | 1 | | 1 | | | |
| interactionsDescription | cmi.interactions.n.description | | 1 | 1 | | | | 1 |
| interactionsId | cmi.interactions.n.id | cmi.interactions.n.id | 1 | 1 | | 1 | | 1 |
| interactionsInitTime | 1 | 1 | 1 | 1 | | 1 | | 1 |
| interactionsLatency | cmi.interactions.n.latency | cmi.interactions.n.latency | 1 | 1 | | 1 | | 1 |
| interactionsObjectivesCount | cmi.interactions.n.objectives._count | cmi.interactions.n.objectives._count | 1 | | 1 | | | 1 |
| interactionsObjectivesId | cmi.interactions.n.objectives.m.id | cmi.interactions.n.objectives.n.id | 1 | 1 | | 1 | | 1 |
| interactionsResponse | cmi.interactions.n.learner_response | cmi.interactions.n.student_response | 1 | 1 | | 1 | | 1 |
| interactionsResult | cmi.interactions.n.result | cmi.interactions.n.result | 1 | 1 | | 1 | | 1 |
| interactionsTs | cmi.interactions.n.timestamp | cmi.interactions.n.time | 1 | 1 | | 1 | | 1 |
| interactionsType | cmi.interactions.n.type | cmi.interactions.n.type | 1 | 1 | | 1 | | 1 |
| interactionsWeight | cmi.interactions.n.weighting | cmi.interactions.n.weighting | 1 | 1 | | 1 | | 1 |
| launchData | cmi.launch_data | cmi.launch_data | 1 | | 1 | | 1 | |
| learnerId | cmi.learner_id | cmi.core.student_id | 1 | | 1 | | 1 | |
| learnerName | cmi.learner_name | cmi.core.student_name | 1 | | 1 | | 1 | |
| learnerPreferenceAudio | cmi.learner_preference.audio_level | cmi.student_preference.audio | 1 | 1 | 1 | 1 | | |
| learnerPreferenceCaptioning | cmi.learner_preference.audio_captioning | cmi.student_preference.text | 1 | 1 | 1 | 1 | | |
| learnerPreferenceChildren | cmi.learner_preference._children | cmi.student_preference._children | 1 | | 1 | | 1 | |
| learnerPreferenceLanguage | cmi.learner_preference.language | cmi.student_preference.language | 1 | 1 | 1 | 1 | | |
| learnerPreferenceSpeed | cmi.learner_preference.delivery_speed | cmi.student_preference.speed | 1 | 1 | 1 | 1 | | |
| maxTimeAllowed | cmi.max_time_allowed | cmi.student_data.max_time_allowed | 1 | | 1 | | 1 | |
| mode | cmi.mode | cmi.core.lesson_mode | 1 | | 1 | | 1 | |
| navRequest | adl.nav.request | | 1 | 1 | | | | |
| navReqValidChoice | adl.nav.request_valid.choice | | 1 | | | | | |
| navReqValidContinue | adl.nav.request_valid.continue | | 1 | | | | | |
| navReqValidJump | adl.nav.request_valid.jump | | 1 | | | | | |
| navReqValidPrevious | adl.nav.request_valid.previous | | 1 | | | | | |
| objectivesChildren | cmi.objectives._children | cmi.objectives._children | 1 | | 1 | | 1 | |
| objectivesCompletionStatus | cmi.objectives.n.completion_status | cmi.objectives.n.status | 1 | 1 | 1 | 1 | | 1 |
| objectivesCount | cmi.objectives._count | cmi.objectives._count | 1 | | 1 | | | |

| RTE Variables | SCORM Data element | | Permissions | | | | C | A |
|---------------------------|-----------------------------------|------------------------------------|-------------|----|-----|----|----|----|
| | Version | | 2004 | | 1.2 | | | |
| | 2004 | 1.2 | R | W | R | W | | |
| objectivesDescription | cmi.objectives.n.description | | 1 | 1 | | | | 1 |
| objectivesId | cmi.objectives.n.id | cmi.objectives.n.id | 1 | 1 | 1 | 1 | | 1 |
| objectivesProgressMeasure | cmi.objectives.n.progress_measure | | 1 | 1 | | | | 1 |
| objectivesScoreChildren | cmi.objectives.n.score._children | cmi.objectives.n.score._children | 1 | | 1 | | | 1 |
| objectivesScoreMax | cmi.objectives.n.score.max | cmi.objectives.n.score.max | 1 | 1 | 1 | 1 | | 1 |
| objectivesScoreMin | cmi.objectives.n.score.min | cmi.objectives.n.score.min | 1 | 1 | 1 | 1 | | 1 |
| objectivesScoreRaw | cmi.objectives.n.score.raw | cmi.objectives.n.score.raw | 1 | 1 | 1 | 1 | | 1 |
| objectivesScoreScaled | cmi.objectives.n.score.scaled | | 1 | 1 | | | | 1 |
| objectivesSuccessStatus | cmi.objectives.n.success_status | | 1 | 1 | | | | 1 |
| progressMeasure | cmi.progress_measure | | 1 | 1 | | | | |
| rteLocation | cmi.location | cmi.core.lesson_location | 1 | 1 | 1 | 1 | | |
| scaledPassingScore | cmi.scaled_passing_score | | 1 | | | | | 1 |
| scoreChildren | cmi.score._children | cmi.core.score._children | 1 | | 1 | | | 1 |
| scoreMax | cmi.score.max | cmi.core.score.max | 1 | 1 | 1 | 1 | | |
| scoreMin | cmi.score.min | cmi.core.score.min | 1 | 1 | 1 | 1 | | |
| scoreRaw | cmi.score.raw | cmi.core.score.raw | 1 | 1 | 1 | 1 | | |
| scoreScaled | cmi.score.scaled | | 1 | 1 | | | | |
| sessionTime | cmi.session_time | cmi.core.session_time | | 1 | | 1 | | |
| startDate | 1 | 1 | 1 | | 1 | | | 1 |
| startMS | 1 | 1 | 1 | | 1 | | | 1 |
| startTimeStamp | 1 | 1 | 1 | | 1 | | | 1 |
| studentDataChildren | | cmi.student_data._children | | | 1 | | | 1 |
| successStatus | successStatus | | 1 | 1 | | | | |
| suspendData | cmi.suspend_data | cmi.suspend_data | 1 | 1 | 1 | 1 | | |
| timeLimitAction | cmi.time_limit_action | cmi.student_data.time_limit_action | 1 | | 1 | | | 1 |
| totalTime | cmi.total_time | cmi.core.total_time | 1 | | 1 | | | 1 |
| verScorm | 1 | 1 | 1 | | 1 | | | 1 |
| version | cmi._version | | 1 | | | | | 1 |
| | 79 | 54 | 77 | 41 | 42 | 28 | 25 | 31 |

| RTE Variables | SCORM Data element | | Permissions | | | | C | A |
|--------------------------------|--|--|-------------|---|-----|---|---|---|
| | Version | | 2004 | | 1,2 | | | |
| | 2004 | 1.2 | R | W | R | W | | |
| commentsLearner | cmi.comments_from_learner.n.coments | | 1 | 1 | | | | 1 |
| commentsLearner | | cmi.comments | | | 1 | 1 | | |
| commentsLearnerChildren | cmi.comments_from_learner._children | | 1 | | | | 1 | |
| commentsLearnerCount | cmi.comments_from_learner._count | | 1 | | | | | |
| commentsLearnerLoc | cmi.comments_from_learner.n.location | | 1 | 1 | | | | 1 |
| commentsLearnerTs | cmi.comments_from_learner.n.timestamp | | 1 | 1 | | | | 1 |
| commentsLMS | cmi.comments_from_lms.n.coments | | 1 | | | | | 1 |
| commentsLMS | | cmi.comments_from_lms | | | 1 | | | |
| commentsLMSChildren | cmi.comments_from_lms._children | | 1 | | | | 1 | |
| commentsLMSCount | cmi.comments_from_lms._count | | 1 | | | | | |
| commentsLMSLoc | cmi.comments_from_lms.n.location | | 1 | | | | | 1 |
| commentsLMSTs | cmi.comments_from_lms.n.timestamp | | 1 | | | | | 1 |
| completionStatus | cmi.completion_status | cmi.core.lesson_status | 1 | 1 | 1 | 1 | | |
| completionThreshold | cmi.completion_threshold | cmi.student_data.mastery_score | 1 | | 1 | | 1 | |
| coreChildren | | cmi.core._children | | | 1 | | 1 | |
| credit | cmi.credit | cmi.core.credit | 1 | | 1 | | 1 | |
| dataChildren | adl.data._children | | 1 | | | | 1 | |
| dataCount | adl.data._count | | 1 | | | | | |
| dataId | adl.data.n.id | | 1 | 1 | | | | 1 |
| dataStore | adl.data.n.store | | 1 | 1 | | | | 1 |
| entry | cmi.entry | cmi.core.entry | 1 | | 1 | | 1 | |
| exit | cmi.exit | cmi.core.exit | | 1 | | 1 | | |
| interactionChildren | cmi.interactions._children | cmi.interactions._children | 1 | | 1 | | 1 | |
| interactionsCorrectRespCount | cmi.interactions.n.correct_responses._count | cmi.interactions.n.correct_responses._count | 1 | | 1 | | | 1 |
| interactionsCorrectRespPattern | cmi.interactions.n.correct_responses.n.pattern | cmi.interactions.n.correct_responses.n.pattern | 1 | 1 | | 1 | | 1 |
| interactionsCount | cmi.interactions._count | cmi.interactions._count | 1 | | 1 | | | |
| interactionsDescription | cmi.interactions.n.description | | 1 | 1 | | | | 1 |
| interactionsId | cmi.interactions.n.id | cmi.interactions.n.id | 1 | 1 | | 1 | | 1 |
| interactionsInitTime | 1 | 1 | 1 | 1 | | 1 | | 1 |
| interactionsLatency | cmi.interactions.n.latency | cmi.interactions.n.latency | 1 | 1 | | 1 | | 1 |
| interactionsObjectivesCount | cmi.interactions.n.objectives._count | cmi.interactions.n.objectives._count | 1 | | 1 | | | 1 |
| interactionsObjectivesId | cmi.interactions.n.objectives.m.id | cmi.interactions.n.objectives.n.id | 1 | 1 | | 1 | | 1 |
| interactionsResponse | cmi.interactions.n.learner_response | cmi.interactions.n.student_response | 1 | 1 | | 1 | | 1 |
| interactionsResult | cmi.interactions.n.result | cmi.interactions.n.result | 1 | 1 | | 1 | | 1 |
| interactionsTs | cmi.interactions.n.timestamp | cmi.interactions.n.time | 1 | 1 | | 1 | | 1 |
| interactionsType | cmi.interactions.n.type | cmi.interactions.n.type | 1 | 1 | | 1 | | 1 |
| interactionsWeight | cmi.interactions.n.weighting | cmi.interactions.n.weighting | 1 | 1 | | 1 | | 1 |
| launchData | cmi.launch_data | cmi.launch_data | 1 | | 1 | | 1 | |
| learnerId | cmi.learner_id | cmi.core.student_id | 1 | | 1 | | 1 | |
| learnerName | cmi.learner_name | cmi.core.student_name | 1 | | 1 | | 1 | |
| learnerPreferenceAudio | cmi.learner_preference.audio_level | cmi.student_preference.audio | 1 | 1 | 1 | 1 | | |
| learnerPreferenceCaptioning | cmi.learner_preference.audio_captioning | cmi.student_preference.text | 1 | 1 | 1 | 1 | | |
| learnerPreferenceChildren | cmi.learner_preference._children | cmi.student_preference._children | 1 | | 1 | | 1 | |
| learnerPreferenceLanguage | cmi.learner_preference.language | cmi.student_preference.language | 1 | 1 | 1 | 1 | | |
| learnerPreferenceSpeed | cmi.learner_preference.delivery_speed | cmi.student_preference.speed | 1 | 1 | 1 | 1 | | |
| maxTimeAllowed | cmi.max_time_allowed | cmi.student_data.max_time_allowed | 1 | | 1 | | 1 | |
| mode | cmi.mode | cmi.core.lesson_mode | 1 | | 1 | | 1 | |
| navRequest | adl.nav.request | | 1 | 1 | | | | |
| navReqValidChoice | adl.nav.request_valid.choice | | 1 | | | | | |
| navReqValidContinue | adl.nav.request_valid.continue | | 1 | | | | | |
| navReqValidJump | adl.nav.request_valid.jump | | 1 | | | | | |
| navReqValidPrevious | adl.nav.request_valid.previous | | 1 | | | | | |
| objectivesChildren | cmi.objectives._children | cmi.objectives._children | 1 | | 1 | | 1 | |
| objectivesCompletionStatus | cmi.objectives.n.completion_status | cmi.objectives.n.status | 1 | 1 | 1 | 1 | | 1 |
| objectivesCount | cmi.objectives._count | cmi.objectives._count | 1 | | 1 | | | |

| RTE Variables | SCORM Data element | | Permissions | | | | C | A |
|---------------------------|-----------------------------------|------------------------------------|-------------|----|-----|----|----|----|
| | Version | | 2004 | | 1,2 | | | |
| | 2004 | 1.2 | R | W | R | W | | |
| objectivesDescription | cmi.objectives.n.description | | 1 | 1 | | | 1 | |
| objectivesId | cmi.objectives.n.id | cmi.objectives.n.id | 1 | 1 | 1 | 1 | 1 | |
| objectivesProgressMeasure | cmi.objectives.n.progress_measure | | 1 | 1 | | | 1 | |
| objectivesScoreChildren | cmi.objectives.n.score._children | cmi.objectives.n.score._children | 1 | | 1 | | 1 | |
| objectivesScoreMax | cmi.objectives.n.score.max | cmi.objectives.n.score.max | 1 | 1 | 1 | 1 | 1 | |
| objectivesScoreMin | cmi.objectives.n.score.min | cmi.objectives.n.score.min | 1 | 1 | 1 | 1 | 1 | |
| objectivesScoreRaw | cmi.objectives.n.score.raw | cmi.objectives.n.score.raw | 1 | 1 | 1 | 1 | 1 | |
| objectivesScoreScaled | cmi.objectives.n.score.scaled | | 1 | 1 | | | 1 | |
| objectivesSuccessStatus | cmi.objectives.n.success_status | | 1 | 1 | | | 1 | |
| progressMeasure | cmi.progress_measure | | 1 | 1 | | | | |
| rteLocation | cmi.location | cmi.core.lesson_location | 1 | 1 | 1 | 1 | | |
| scaledPassingScore | cmi.scaled_passing_score | | 1 | | | | 1 | |
| scoreChildren | cmi.score._children | cmi.core.score._children | 1 | | 1 | | 1 | |
| scoreMax | cmi.score.max | cmi.core.score.max | 1 | 1 | 1 | 1 | | |
| scoreMin | cmi.score.min | cmi.core.score.min | 1 | 1 | 1 | 1 | | |
| scoreRaw | cmi.score.raw | cmi.core.score.raw | 1 | 1 | 1 | 1 | | |
| scoreScaled | cmi.score.scaled | | 1 | 1 | | | | |
| sessionTime | cmi.session_time | cmi.core.session_time | | 1 | | 1 | | |
| startDate | 1 | 1 | 1 | | 1 | | 1 | |
| startMS | 1 | 1 | 1 | | 1 | | 1 | |
| startTimeStamp | 1 | 1 | 1 | | 1 | | 1 | |
| studentDataChildren | | cmi.student_data._children | | | 1 | | 1 | |
| successStatus | successStatus | | 1 | 1 | | | | |
| suspendData | cmi.suspend_data | cmi.suspend_data | 1 | 1 | 1 | 1 | | |
| timeLimitAction | cmi.time_limit_action | cmi.student_data.time_limit_action | 1 | | 1 | | 1 | |
| totalTime | cmi.total_time | cmi.core.total_time | 1 | | 1 | | 1 | |
| verScorm | 1 | 1 | 1 | | 1 | | 1 | |
| version | cmi._version | | 1 | | | | 1 | |
| | 79 | 54 | 77 | 41 | 42 | 28 | 25 | 31 |

| Type | Function | 2004 | 1.2 | RTE variable | Both | | Exclusive | |
|----------------|--------------------------------------|------|-----|-----------------------------------|------|------|-----------|-----|
| | | | | | Data | No D | 2004 | 1.2 |
| Aux | getWorkingSeconds(msec) | X | X | | | | 1 | |
| | getLatencyFromSeconds(secs) | X | X | | | | 1 | |
| Basic | initialize() | X | X | | | | 1 | |
| | terminate() | X | X | | | | 1 | |
| | commit() | X | X | | | | 1 | |
| | getLastError() | X | X | | | | 1 | |
| | getErrorString() | X | X | | | | 1 | |
| | getDiagnostic() | X | X | | | | 1 | |
| | getData(data) | X | X | | | | 1 | |
| | setData(data, value) | X | X | | | | 1 | |
| Data Retrieval | getLearnerName() | X | X | learnerName | 1 | | | |
| | getLearnerId() | X | X | learnerId | 1 | | | |
| | getCompletionThreshold() | X | X | completionThreshold | 1 | | | |
| | getCredit() | X | X | credit | 1 | | | |
| | getEntry() | X | X | entry | 1 | | | |
| | getLaunchData() | X | X | launchData | 1 | | | |
| | getMaxTimeAllowed() | X | X | maxTimeAllowed | 1 | | | |
| | getTimeLimitAction() | X | X | timeLimitAction | 1 | | | |
| | getModel() | X | X | mode | 1 | | | |
| | getTotalTime() | X | X | totalTime | 1 | | | |
| | getScoreChildren() | X | X | scoreChildren | 1 | | | |
| | getInteractionsChildren() | X | X | interactionsChildren | 1 | | | |
| | getLearnerPreferenceChildren() | X | X | learnerPreferenceChildren | 1 | | | |
| | getObjectivesChildren() | X | X | objectivesChildren | 1 | | | |
| | getVersion() | X | | version | | | | 1 |
| | getScaledPassingScore() | X | | scaledPassingScore | | | | 1 |
| | getCommentsLearnerChildren() | X | | commentsLearnerChildren | | | | 1 |
| | getCommentsLMSChildren() | X | | commentsLMSChildren | | | | 1 |
| | getDataChildren() | X | | dataChildren | | | | 1 |
| | getStudentDataChildren() | | X | studentDataChildren | | | | |
| | getCoreChildren() | | X | coreChildren | | | | |
| | getInteractionsCount() | X | X | interactionsCount | 1 | | | |
| | getObjectivesCount() | X | X | objectivesCount | 1 | | | |
| | getCommentsLearnerCount() | X | | commentsLearnerCount | | | | 1 |
| | getCommentsLMSCount() | X | | commentsLMSCount | | | | 1 |
| | getDataCount() | X | | dataCount | | | | 1 |
| | getNavReqValidContinue() | X | | navReqValidContinue | | | | 1 |
| | getNavReqValidPrevious() | X | | navReqValidPrevious | | | | 1 |
| | getNavReqValidChoice() | X | | navReqValidChoice | | | | 1 |
| | getNavReqValidJump() | X | | navReqValidJump | | | | 1 |
| | getRTELocation() | X | X | rteLocation | 1 | | | |
| | getSuspendData() | X | X | suspendData | 1 | | | |
| | getCompletionStatus() | X | X | completionStatus | 1 | | | |
| | getScoreRaw() | X | X | scoreRaw | 1 | | | |
| | getScoreMin() | X | X | scoreMin | 1 | | | |
| | getScoreMax() | X | X | scoreMax | 1 | | | |
| | getLearnerPreferenceAudio() | X | X | learnerPreferenceAudio | 1 | | | |
| | getLearnerPreferenceLanguage() | X | X | learnerPreferenceLanguage | 1 | | | |
| | getLearnerPreferenceSpeed() | X | X | learnerPreferenceSpeed | 1 | | | |
| | getLearnerPreferenceCaptioning() | X | X | learnerPreferenceCaptioning | 1 | | | |
| | getProgressMeasure() | X | | progressMeasure | | | | 1 |
| | getSuccessStatus() | X | | successStatus | | | | 1 |
| | getScoreScaled() | X | | scoreScaled | | | | 1 |
| | getNavRequest() | X | | navRequest | | | | 1 |
| | getCommentsLearner(i) | X | | commentsLearner[i] | | | | 1 |
| | getCommentsLearnerLoc(i) | X | | commentsLearnerLoc[i] | | | | 1 |
| | getCommentsLearnerTs(i) | X | | commentsLearnerTs[i] | | | | 1 |
| | getCommentsLearner() | | X | commentsLearner | | | | |
| | getCommentsLMS(i) | X | | commentsLMS[i] | | | | 1 |
| | getCommentsLMSLoc(i) | X | | commentsLMSLoc[i] | | | | 1 |
| | getCommentsLMS(i) | X | | commentsLMS[i] | | | | 1 |
| | getCommentsLMS() | | X | commentsLMS | | | | |
| | getInteractionsObjectivesCount(i) | X | X | interactionsObjectivesCount[i] | 1 | | | |
| | getInteractionsCorrectRespCount(i) | X | X | interactionsCorrectRespCount[i] | 1 | | | |
| | getInteractionsId(i) | X | | interactionsId[i] | | | | 1 |
| | getInteractionsType(i) | X | | interactionsType[i] | | | | 1 |
| | getInteractionsObjectivesId(i) | X | | interactionsObjectivesId[i] | | | | 1 |
| | getInteractionsTs(i) | X | | interactionsTs[i] | | | | 1 |
| | getInteractionsCorrectRespPattern(i) | X | | interactionsCorrectRespPattern[i] | | | | 1 |
| | getInteractionsWeight(i) | X | | interactionsWeight[i] | | | | 1 |
| | getInteractionsResponse(i) | X | | interactionsResponse[i] | | | | 1 |
| | getInteractionsResult(i) | X | | interactionsResult[i] | | | | 1 |
| | getInteractionsLatency(i) | X | | interactionsLatency[i] | | | | 1 |
| | getInteractionsDescription(i) | X | | interactionsDescription[i] | | | | 1 |
| | getObjectivesId(i) | X | X | objectivesId[i] | 1 | | | |
| | getObjectivesScoreChildren(i) | X | X | objectivesScoreChildren[i] | 1 | | | |
| | getObjectivesScoreRaw(i) | X | X | objectivesScoreRaw[i] | 1 | | | |
| | getObjectivesScoreMin(i) | X | X | objectivesScoreMin[i] | 1 | | | |
| | getObjectivesScoreMax(i) | X | X | objectivesScoreMax[i] | 1 | | | |
| | getObjectivesCompletionStatus(i) | X | X | objectivesCompletionStatus[i] | 1 | | | |
| | getObjectivesScoreScaled(i) | X | | objectivesScoreScaled[i] | | | | 1 |
| | getObjectivesSuccessStatus(i) | X | | objectivesSuccessStatus[i] | | | | 1 |
| | getObjectivesProgressMeasure(i) | X | | objectivesProgressMeasure[i] | | | | 1 |
| | getObjectivesDescription(i) | X | | objectivesDescription[i] | | | | 1 |
| | getDataId(i) | X | | dataId[i] | | | | 1 |
| | getDataStore(i) | X | | dataStore[i] | | | | 1 |
| | getDataAll(i) | X | | dataId[i], dataStore[i] | | | | 1 |
| | setRTELocation(loc) | X | X | rteLocation | 1 | | | |
| | setSuspendData(data) | X | X | suspendData | 1 | | | |
| | setCompletionStatus(completion) | X | X | completionStatus | 1 | | | |
| | setScoreRaw(raw) | X | X | scoreRaw | 1 | | | |

| Type | Function | 2004 | 1.2 | RTE variable | Both | | Exclusive | | |
|---|---|--------------------------|---|---|--|------|-----------|-----|--|
| | | | | | Data | No D | 2004 | 1.2 | |
| Data Storage | setScoreMin(scoremin) | X | X | scoreMin | 1 | | | | |
| | setScoreMax(scoremax) | X | X | scoreMax | 1 | | | | |
| | setLearnerPreferenceAudio(audio) | X | X | learnerPreferenceAudio | 1 | | | | |
| | setLearnerPreferenceLanguage(language) | X | X | learnerPreferenceLanguage | 1 | | | | |
| | setLearnerPreferenceSpeed(speed) | X | X | learnerPreferenceSpeed | 1 | | | | |
| | setLearnerPreferenceCaptioning(captioning) | X | X | learnerPreferenceCaptioning | 1 | | | | |
| | setProgressMeasure(progress) | X | | progressMeasure | | | 1 | | |
| | setSuccessStatus(success) | X | | successStatus | | | 1 | | |
| | setScoreScaled(score_scaled) | X | | scoreScaled | | | 1 | | |
| | setNavRequest(nav_req) | X | | navRequest | | | 1 | | |
| | setExit(exit) | X | X | exit | 1 | | | | |
| | setSessionTime() | X | X | session_time | 1 | | | | |
| | setCommentsLearner(i, comment) | X | | commentsLearner[i] | | | 1 | | |
| | setCommentsLearnerLoc(i, loc) | X | | commentsLearnerLoc[i] | | | 1 | | |
| | setCommentsLearnerTs(i) | X | | commentsLearnerTs[i] | | | 1 | | |
| | setCommentsLearner() | X | X | commentsLearner | | | | 1 | |
| | setInteractionsId(i, id) | X | X | interactionsId[i] | 42 | 1 | | | |
| | setInteractionsType(i, type) | X | X | interactionsType[i] | 1 | | | | |
| | setInteractionsObjectivesId(i, j, id) | X | X | interactionsObjectivesId[i][j] | 1 | | | | |
| | setInteractionsTs(i, Ts) | X | X | interactionsTs[i] | 1 | | | | |
| | setInteractionsTsAut(i) | X | X | interactionsTs[i] | 1 | | | | |
| | setInteractionsCorrectRespPattern(i, j, respCorr) | X | X | interactionsCorrectRespPattern[i][j] | 1 | | | | |
| | setInteractionsWeight(i, weighting) | X | X | interactionsWeight[i] | 1 | | | | |
| | setInteractionsResponse(i, response) | X | X | interactionsResponse[i] | 1 | | | | |
| | setInteractionsResult(i, result) | X | X | interactionsResult[i] | 1 | | | | |
| | setInteractionsLatency(i, latency) | X | X | interactionsLatency[i] | 1 | | | | |
| | setInteractionsLatencyAut(i) | X | X | interactionsLatency[i] | 1 | | | | |
| | setInteractionsDescription(i, description) | X | | interactionsDescription[i] | | | 1 | | |
| | setObjectivesId(i, id) | X | X | objectivesId[i] | 1 | | | | |
| | setObjectivesScoreRaw(i, scoreraw) | X | X | objectivesScoreRaw[i] | 1 | | | | |
| | setObjectivesScoreMin(i, scoremin) | X | X | objectivesScoreMin[i] | 1 | | | | |
| | setObjectivesScoreMax(i, scoremax) | X | X | objectivesScoreMax[i] | 1 | | | | |
| | setObjectivesCompletionStatus(i, completion) | X | X | objectivesCompletionStatus[i] | 1 | | | | |
| | setObjectivesScoreScaled(i, scorescaled) | X | | objectivesScoreScaled[i] | | | 1 | | |
| | setObjectivesSuccessStatus(i, success) | X | | objectivesSuccessStatus[i] | | | 1 | | |
| | setObjectivesProgressMeasure(i, progressm) | X | | objectivesProgressMeasure[i] | | | 1 | | |
| | setObjectivesDescription(i, description) | X | | objectivesDescription[i] | | | 1 | | |
| | setDataStore(i, data) | X | | dataStore[i] | | | 1 | | |
| | Multiple Data Retrieval | getLearnerPreferences() | X | X | learnerPreferenceAudio, learnerPreferenceLanguage, learnerPreferenceSpeed, learnerPreferenceCaptioning | 1 | | | |
| | | getCommentsLearnerAll(i) | X | | commentsLearner[i], commentsLearnerLoc[i], commentsLearnerTs[i] | | | 1 | |
| | | getCommentsLMSAll(i) | X | | commentsLMS[i], commentsLMSLoc[i], commentsLMSTs[i] | | | 1 | |
| | | getInteractionsAll(i) | X | | interactionsId[i], interactionsType[i], interactionsTs[i], interactionsWeight[i], interactionsResponse[i], interactionsResult[i], interactionsLatency[i], interactionsDescription[i], interactionsObjectivesId[i][j], interactionsCorrectRespPattern[i][j] | 6 | 1 | | |
| getObjectivesAll(i) | | X | X | objectivesId[i], objectivesScoreRaw[i], objectivesScoreMin[i], objectivesScoreMax[i], objectivesCompletionStatus[i] | 1 | | | | |
| getObjectivesAll04(i) | | X | | objectivesId[i], objectivesScoreScaled[i], objectivesScoreRaw[i], objectivesScoreMin[i], objectivesScoreMax[i], objectivesSuccessStatus[i], objectivesCompletionStatus[i], objectivesProgressMeasure[i], objectivesDescription[i] | | | 1 | | |
| Multiple Data Storage | setLearnerPreferences(audio, language, speed, captioning) | X | X | learnerPreferenceAudio, learnerPreferenceLanguage, learnerPreferenceSpeed, learnerPreferenceCaptioning | 1 | | | | |
| | setCommentsLearnerAll(i, comment, loc) | X | | commentsLearner[i], commentsLearnerLoc[i], commentsLearnerTs[i] | | | 1 | | |
| | setCommentsLearnerAddAll(comment, loc) | X | | commentsLearner[*], commentsLearnerLoc[*], commentsLearnerTs[*] | | | 1 | | |
| | setInteractionsAll(i, id, type, ts, weighting, pattern, response, result, latency) | X | X | interactionsId[i], interactionsType[i], interactionsTs[i], interactionsWeight[i], interactionsCorrectRespPattern[i][0], interactionsResponse[i], interactionsResult[i], interactionsLatency[i] | 1 | | | | |
| | setInteractionsAddAll(id, type, weighting, pattern, response, result) | X | X | interactionsId[*], interactionsType[*], interactionsTs[*], interactionsWeight[*], interactionsCorrectRespPattern[*][0], interactionsResponse[*], interactionsResult[*], interactionsLatency[*] | 1 | | | | |
| | setInteractionsAddNew(id, type, weighting, pattern) | X | X | interactionsId[*], interactionsType[*], interactionsTs[*], interactionsWeight[*], interactionsCorrectRespPattern[*][0] | 1 | | | | |
| | setInteractionsResponseAll(i, response, result) | X | X | interactionsResponse[i], interactionsResult[i], interactionsLatency[i] | 11 | 1 | | | |
| | setObjectivesAll(i, id, scoreraw, scoremin, scoremax, completion) | X | X | objectivesId[i], objectivesScoreRaw[i], objectivesScoreMin[i], objectivesScoreMax[i], objectivesCompletionStatus[i] | 1 | | | | |
| | setObjectivesAddAll(id, scoreraw, scoremin, scoremax, completion) | X | X | objectivesId[*], objectivesScoreRaw[*], objectivesScoreMin[*], objectivesScoreMax[*], objectivesCompletionStatus[*] | 1 | | | | |
| | setObjectivesAll04(i, id, scorescaled, scoreraw, scoremin, scoremax, success, completion, progressm, description) | X | | objectivesId[i], objectivesScoreScaled[i], objectivesScoreRaw[i], objectivesScoreMin[i], objectivesScoreMax[i], objectivesSuccessStatus[i], objectivesCompletionStatus[i], objectivesProgressMeasure[i], objectivesDescription[i] | | | 1 | | |
| setObjectivesAddAll04(id, scorescaled, scoreraw, scoremin, scoremax, success, completion, progressm, description) | X | | objectivesId[*], objectivesScoreScaled[*], objectivesScoreRaw[*], objectivesScoreMin[*], objectivesScoreMax[*], objectivesSuccessStatus[*], objectivesCompletionStatus[*], objectivesProgressMeasure[*], objectivesDescription[*] | | | 1 | | | |
| | 146 | 141 | 86 | | 71 | 10 | 60 | 5 | |

*Next to the last element in the array

Commons to both versions: 71
Exclusive to 2004 version: 60
Exclusive to 1.2 version: 5
Auxiliar (no data element, Both): 10
RTE Functions: 146