



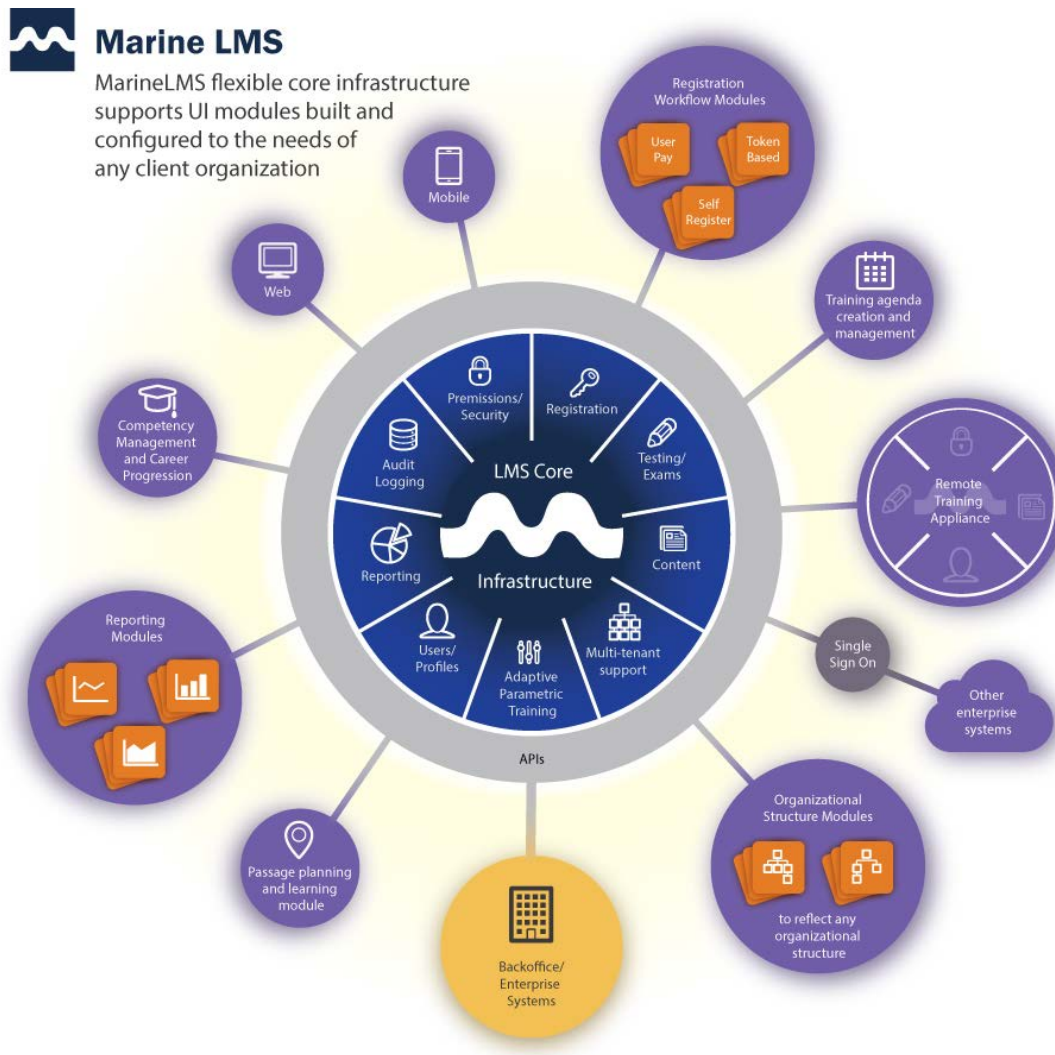
MARINE LEARNING SYSTEMS

MARINELMS FEATURES LIST

Introduction

We know that every customer has different needs and those needs change over time. To address that, MarineLMS has been designed from the ground-up to be future-proof: our system is adaptable and can easily accommodate future requirements.

Our software consists of a core infrastructure component that supports a set of modules. New modules can be created and existing ones adapted as needs emerge and change. With this, we have access to refine and customize MarineLMS to suit the exact needs of each of our customers.



The first section gives a high level overview of the various features within MarineLMS. The subsequent section presents multiple screenshots to give a more concrete view of MarineLMS' capabilities.

Current Features

General System Features

- Company specific branding
- Multiple organizational levels (different locations, divisions, etc.) with customized branding
- User-friendly and completely customizable site navigation
- Hierarchically configured units and permissions
- Flexible rule-based notification system:
 - configure notifications to trainees, trainers and administrators based on a wide variety of system events
- Designed with an extensive set of APIs to integrate with existing enterprise management systems
- Uses simple Web 2.0 technology that is intuitive for users, reducing administrative workload costs

User Management

- User roles are configurable to the needs of the organization. This can include: student, trainer, examiner, administrator, etc.
- Administrative rights can be flexibly assigned, including sub-organizations, to support the desired degree of autonomy
- Users can administer and track analytics from a central location depending on their permissions

LMS Availability

- Web-based LMS: access via Internet
- Access to LMS with little or no internet connectivity on board a vessel using a Remote Training Server (RTS)
 - RTS is a vessel-based instance of MarineLMS that is synchronized to the central system: the RTS duplicates the full training and assessment features of the land-based LMS to any vessel
- Fully mobile-ready with responsive design: can be accessed on a tablet or smartphone for offline use

Course Content

- Content neutral: content can be created by the customer or taken from content providers
- Learning materials are shared across different units in resource libraries
- Supported formats: text, video, audio, animation (Flash, HTML5, etc.)
- Supports SCORM 1.2 compliant content. SCORM compliant assessments will soon be reported within the LMS
- Course content can be created using PowerPoint and easily converted to a functional course by MarineLS staff
- Users can resume a course from the last accessed page

Assessments

- Proctored and unproctored examinations
- Delivers trainee self-tests
- Tests can be timed (e.g. limited to an hour) or untimed (users can take however long they need to complete)
- Supports web-based examinations: automatically graded
- Question types available: Multiple choice
- Questions can be created, edited, categorized and deleted within the LMS
- Bulk upload of questions using an XML formatted document possible
- Question database can contain any number of questions
- Questions tagged with metadata according to the topic they are designed to test
- Standardized and randomized assessments to examine a consistent mix of competencies at the same level of difficulty
- Instructors can manage test results: override grades, allow retakes, etc.
- Automatic generation of certificates from templates
- Student evaluations available (where instructors evaluate students and assign them a grade)
- Exams can be reviewed on a question-by-question basis showing questions, student responses, time taken to answer, and more (expanded upon in the analytics section)
- Students can review their assessments: an overview of all assessments taken can be given or individual assessments can be looked at question-by-question

Analytics/Report and Audit Logging

- A wide range of reports are available, including:
 - Company-wide performance for specific exams
 - User exam performance reports that show which questions were answered correctly/incorrectly, and time spent on each question
 - Question reports for assessments and self-tests to indicate what knowledge is being acquired quickly and what knowledge trainees are having difficulty with
 - What content has been seen by learners and how long they have spent on each page of content
- Certain reports can be exported to CSV file format
- Audit facility that records a wide variety of actions

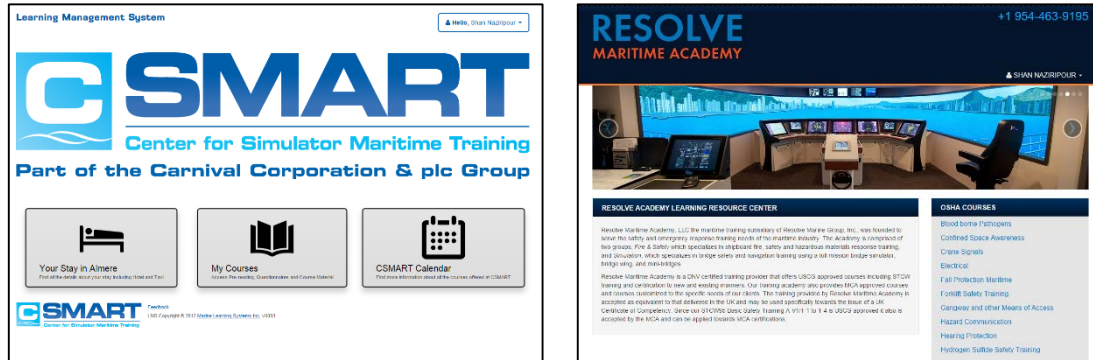
Course Features and Administration

- Manually or automatically register trainees into courses via integration to other enterprise systems
- Bulk-upload of registrations available
- A “feedback” icon on every page for users to report errors, omissions or required content updates
- The LMS automatically reports to designated administrative staff the location of the problem, contact details of the user who reported and a problem description

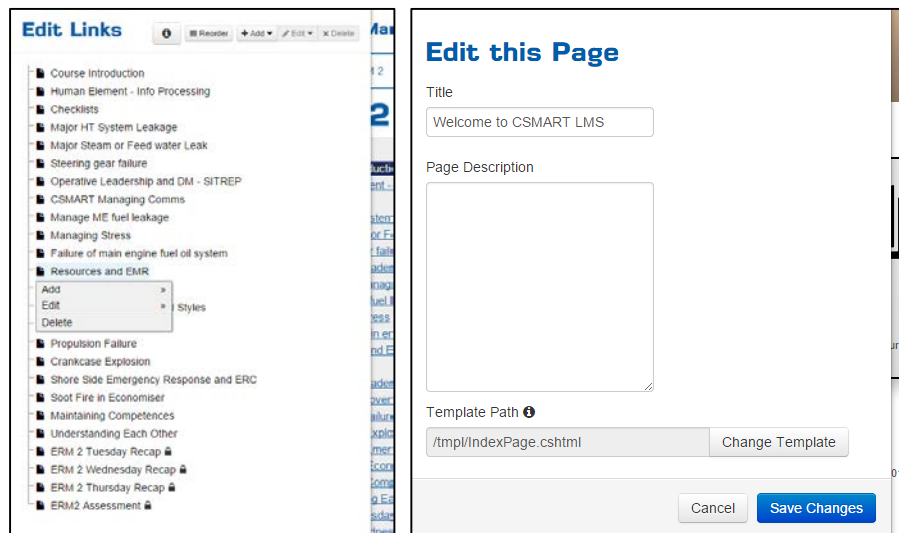
Screenshots

General System Features

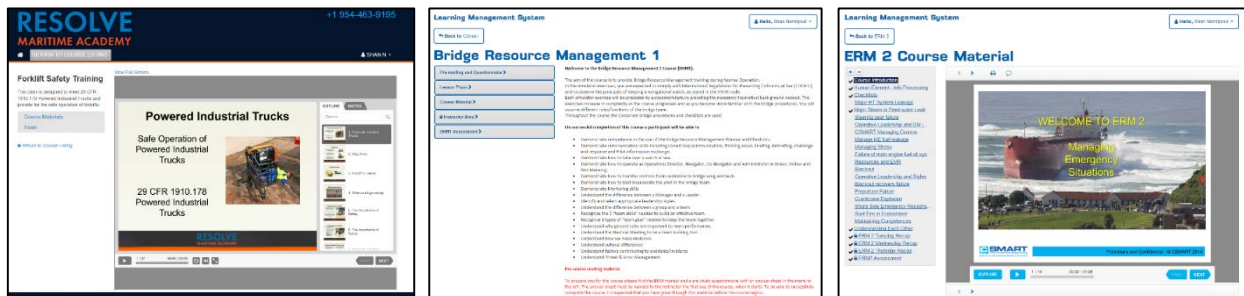
Implementations of MarineLMS have company-specific branding and customized navigational structure.



Navigational links and pages can be easily edited by administrators.



MarineLS will work with the customer to customize the “look and feel” and branding of MarineLMS to help with user adoption. The following screenshots show different variations of how content can be presented in the system.



LMS Availability

MarineLMS is accessed via the Internet. We also offer Remote Training Servers (RTS) that work on board a vessel, giving users access to training and assessments regardless of the state of internet connectivity. The screenshot below presents the RTS management and synchronized status page.

Manage Remote Training Appliances

Generate Sync Packages | Receive Sync Packages | Manage

Generate a sync package applicable for the selected RTAs.
This will download a file containing your sync package to your computer. Please submit this file to the appropriate RTA administrator.

Current Software Version: 6003
Content required
Software
Generate Reset

Name	Date Created	Last Generated Pkg	Acknowledged	Last Received Pkg	Software Version
<input type="checkbox"/> Arcticern_1	Oct 03 2014	Jan 15 2015, 14:19	Jan 15 2015, 14:19	Jan 15 2015, 14:25	5471
<input type="checkbox"/> Avocet_1	Sep 09 2014	Oct 02 2014, 21:19	Oct 02 2014, 21:19	Oct 02 2014, 22:02	5124
<input type="checkbox"/> GENNET_1	Oct 03 2014	Jan 26 2015, 11:07	Jan 26 2015, 11:07	Jan 26 2015, 11:12	5618
<input type="checkbox"/> Greenheron_1	Oct 03 2014	Jan 16 2015, 15:41	Jan 16 2015, 10:01	Jan 16 2015, 15:39	5471
<input type="checkbox"/> Petrel_1	Aug 12 2014	Oct 02 2014, 8:19	Oct 02 2014, 8:19	Oct 02 2014, 9:54	5124
<input type="checkbox"/> RedKnot_1	Aug 12 2014	Sep 12 2014, 16:13	Sep 12 2014, 16:13	Sep 12 2014, 16:20	5124
<input type="checkbox"/> Tupl_1	Aug 12 2014	Feb 05 2015, 12:59	Feb 05 2015, 9:25	Feb 05 2015, 12:58	5618
<input type="checkbox"/> V_FUJIMAR	Nov 04 2014	Nov 06 2014, 16:55	Nov 06 2014, 16:55	Nov 06 2014, 17:05	5326
<input type="checkbox"/> V_JAEGER	Nov 03 2014	Nov 06 2014, 16:55	Nov 06 2014, 16:55	Nov 06 2014, 17:14	5326
<input type="checkbox"/> VSanderling_1	Aug 12 2014	Sep 12 2014, 10:58	Sep 12 2014, 10:58	Sep 12 2014, 12:39	5011

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0 Remote Training Appliances Selected

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












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MarineLMS is fully mobile-ready. The following images show the same page being shown on three different devices: computer browser, tablet, smartphone.



User Management

The following screenshots shows the user management interface. Functions include editing user information, changing user permissions, course management rights and more.

Manage Users						
First, Last Name, Login or Email Filter + Add User						
First Name	Last Name	Login ID	Email	Is Admin	Last Login	
Aaron	Matcham	AMatcham	aaron.matcham@hotmail.co.uk	No	No Date	 
Aaron	Walsh	AWalsh	aaron.walsh198914@yahoo.com	No	Mar 16 2015, 5:41:29	 
Abhisekh	Virli	AVirli	a.virli@hotmail.com	No	Feb 28 2015, 9:26:32	 
ABIGAIL	MACLEOD	AMacleod	abbimacleod@hotmail.com	No	Aug 21 2014, 22:43:17	 
ACHILLE	DE DOMENICO	ADidomenico	achillededo@vodafone.it	No	Mar 17 2015, 8:44:46	 
Adam	Fitzpatrick	AFitzpatrick	adam_fitzp@hotmail.co.uk	No	Feb 06 2015, 7:11:45	 
Adam	Orbell	AOrbell	adamorbell@aol.com	No	Mar 17 2015, 1:45:25	 
Adam	Slater	ASlater	adamslater@ymail.com	No	Feb 01 2015, 4:12:11	 
Adam	Broadley	ABroadley1	a.broadley1992@hotmail.co.uk	No	No Date	 
Adam	Archibald	AArchibald	archibald.adam31@gmail.com	No	Jan 20 2015, 22:39:18	 
1 - 10 of 2815						
Feedback LMS Copyright © 2012 Marine Learning Systems Inc. v6003						

Edit User

[Edit User](#) [Course Management Rights](#) [User Management Rights](#)

Unique User Id

AWalsh

CSmart Login

First Name

Aaron

Last Name

Walsh

Login Email Address

m.doe@example.com

Contact Email

m.doe@example.com

Password

Password

Keep this field blank to leave the password unchanged

Confirm Password

Confirm Password

Service At Sea

8

Rank

ECDT

Officer of the Watch

No

Edit User

[Edit User](#) [Course Management Rights](#) [User Management Rights](#)

Set the user's course management rights for the following courses.

☐ Welcome to CSMART LMS

☐ Proficiency Training and Assessment

☐ Bridge Resource Management 1

☐ Bridge Resource Management 2

☐ ERM 1

☐ ERM 2

☐ NE1

☐ NE2

☐ Platinum

☐ Ship handling 1

☐ Ship handling Pod

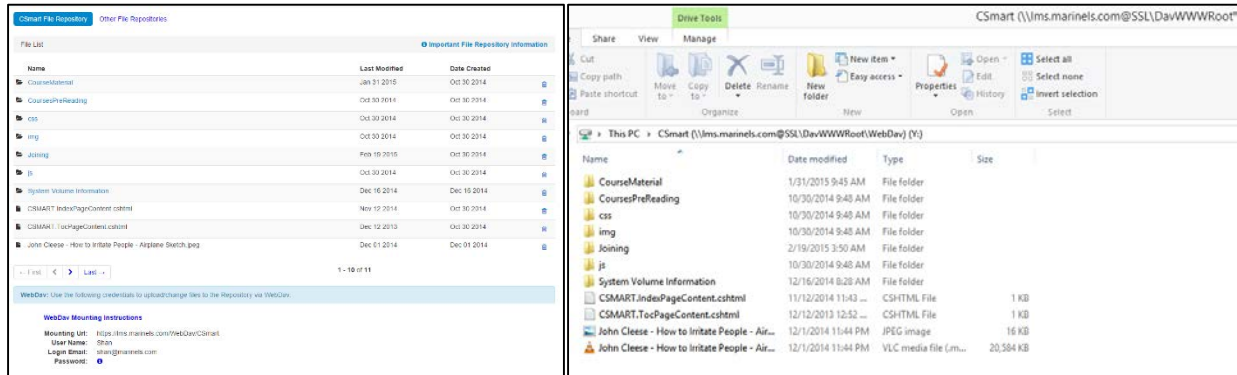
☐ Stability

Cancel

Update

Course Content

Content can be managed within MarineLMS or through your operating system using WebDav. The first screenshot presents the MarineLMS file repository in browser. The second screenshot presents the same file repository accessed through WebDav.

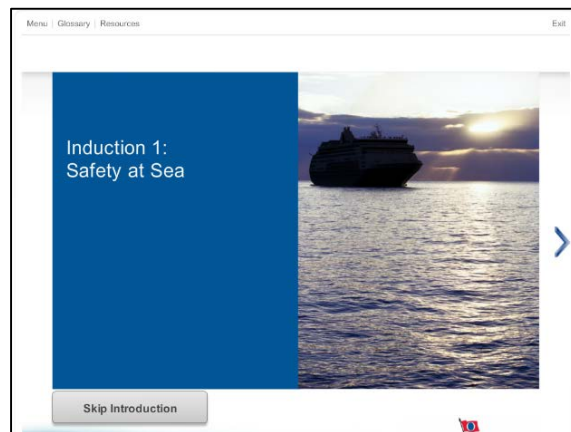


MarineLMS supports a wide variety of content:

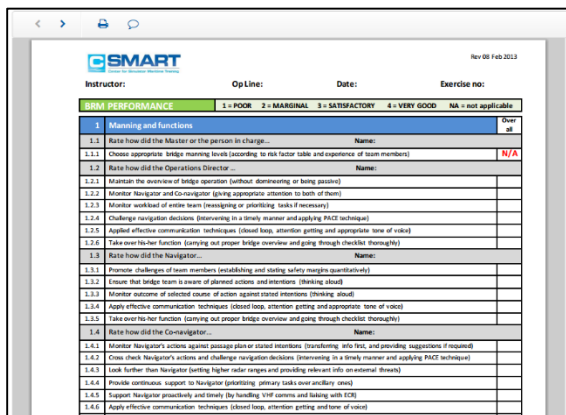
PowerPoint



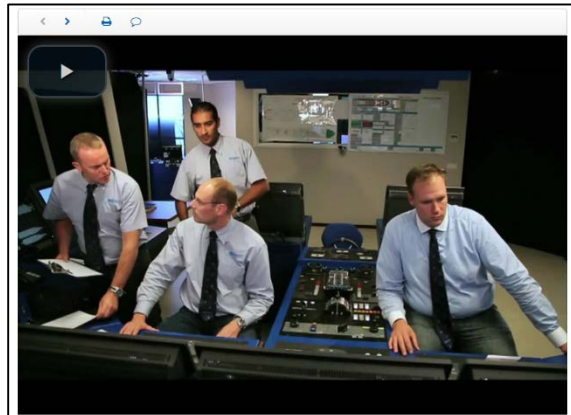
SCORM



PDF



Video



Assessments

Assessments/evaluations can be created and managed by administrators. The following screenshots show what administrators can see when they create new assessments/evaluations and when they access the Advanced Options (to edit settings such as creating a proctored exam or allowing for automatic retakes).

The first screenshot shows the 'New Exam' form with tabs for 'General' and 'Questions'. It includes fields for 'Exam Name', 'Pre-Exam Instructions', 'Top of Exam Instructions', and a checkbox for 'Show Category Headers'. The second screenshot shows the 'New Evaluation' form with similar fields for 'Evaluation Name', 'Pre-Evaluation Instructions', 'Top of Evaluation Instructions', and 'Show Category Headers'. The third screenshot shows the 'Advanced Options' for an exam, including 'Exam Type' (Proctored), 'Link Text', 'URL Name', 'Time Limit', 'Allow Student Review', 'Allow Automatic Retake', and 'Automatic Retake Options' (Retake After, Passing %).

The following screenshot shows the Assessment management page.

CSmart Repository

Other Repositories

Assessment List

Filter

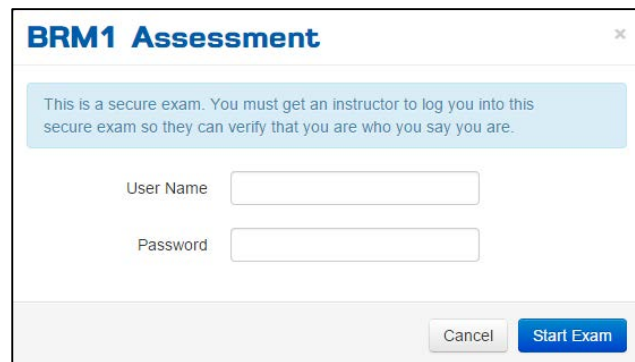
New

Assessment	# of Questions	Last Modified	Date Created	Assessment Type	
BRM1 Pre Study Questionnaire	25	Nov 14 2014	Nov 13 2014	Exam	
ERM2 Assessment	25	Feb 04 2015	Dec 10 2014	Exam	
ERM1 Assessment	20	Jan 09 2015	Jan 09 2015	Exam	
BRM1 Assessment	25	Jan 19 2015	Jan 19 2015	Exam	
BRM2 Assessment	25	Jan 19 2015	Jan 19 2015	Exam	
ERM 2 Thursday Recap	10	Feb 04 2015	Feb 04 2015	Exam	
ERM1 Pre-Reading Questionnaire	20	Jan 30 2015	Jan 30 2015	Exam	
ERM2 Pre-Reading Questionnaire	20	Jan 30 2015	Jan 30 2015	Exam	
ERM 2 Tuesday Recap	10	Feb 04 2015	Jan 30 2015	Exam	
ERM 2 Wednesday Recap	5	Feb 03 2015	Feb 03 2015	Exam	

Feedback

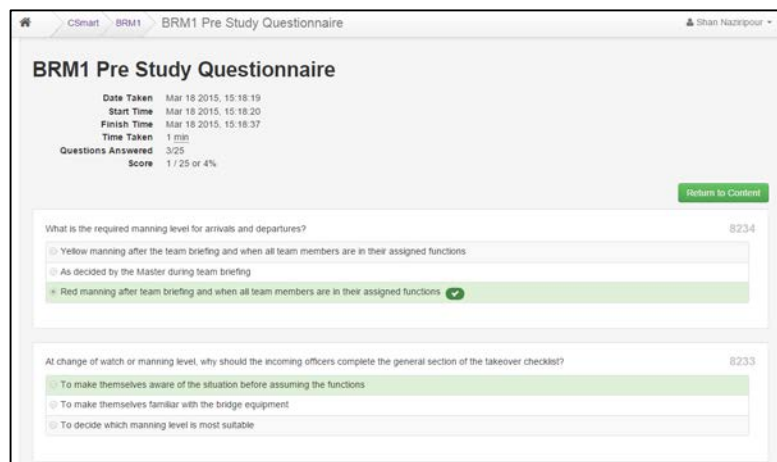
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Assessments can be proctored or unproctored.



The image shows a login window titled "BRM1 Assessment". It contains a blue informational box stating: "This is a secure exam. You must get an instructor to log you into this secure exam so they can verify that you are who you say you are." Below this, there are two input fields labeled "User Name" and "Password". At the bottom right, there are two buttons: "Cancel" and "Start Exam".

Trainee self-test reviews are also available.



The image displays the "BRM1 Pre Study Questionnaire" results page. At the top, it shows the user's name "Shan Nazirpour" and the title "BRM1 Pre Study Questionnaire". Below this, a summary table provides the following data:

Field	Value
Date Taken	Mar 16 2015, 15:18:19
Start Time	Mar 16 2015, 15:18:20
Finish Time	Mar 16 2015, 15:18:37
Time Taken	1 min
Questions Answered	3/25
Score	1 / 25 or 4%

A green "Return to Content" button is located to the right of the summary table. Below the table, two questions are shown with their correct answers highlighted in green:

Question 1: "What is the required manning level for arrivals and departures?" (ID: 8234). The correct answer is "Red manning after team briefing and when all team members are in their assigned functions".

Question 2: "At change of watch or manning level, why should the incoming officers complete the general section of the takeover checklist?" (ID: 8233). The correct answer is "To make themselves aware of the situation before assuming the functions".

Assessments can be timed.



The image shows the "BRM1 Assessment" timed test interface. At the top, it displays the user's name "Shan Nazirpour" and the title "BRM1 Assessment". Below this, a "Questions" section is visible. On the right side, a "Time Left 00:02" timer is shown. The first question is "How can you manage stress?" (ID: 8859). The options are:

- ☐ It is not possible
- ☐ Reduce workload and prioritize tasks
- ☐ By making sure you can handle everything yourself
- ☐ By never doing any errors

Assessment questions can be created and managed within MarineLMS. Bulk upload of questions is also possible through an XML file. The following screenshot

CSmart Question Repository Other Question Repositories

Category List / BRM1 Pre Study Questionnaire

Question	Id	Last Modified	Question
What is the Navigator doing when 'thinking aloud'?	8217	Nov 13 2014	Nov 13 2014
What is the meaning of 'closed bridge condition'?	8218	Nov 13 2014	Nov 13 2014
Who is allowed on the bridge during 'closed bridge condition'?	8219	Nov 13 2014	Nov 13 2014
What are the main tasks for the Operations Director?	8220	Nov 13 2014	Nov 13 2014
What are the main tasks for the Navigator?	8221	Nov 13 2014	Nov 13 2014
What are the main tasks for the Co-Navigator in red manning?	8222	Nov 13 2014	Nov 13 2014
What are the main tasks for the Administrator?	8223	Nov 13 2014	Nov 13 2014
What are the main tasks of the look out?	8224	Nov 13 2014	Nov 13 2014
Can a cadet be assigned as Administrator?	8225	Nov 13 2014	Nov 13 2014
What is the purpose of having different levels of manning on the bridge?	8226	Nov 13 2014	Nov 13 2014

Question ID: 8217 Go

Import Question to My Question Repository

Browse

Category Settings

Order Settings

Edit Question

Question Answers

Answer	Is Correct
No, the Master takes the charge simply by saying so	<input type="checkbox"/>
Yes, even if the Master arrives to the bridge to have a coffee he automatically	<input type="checkbox"/>
No, the charge must be formally taken over from the most senior ranking	<input checked="" type="checkbox"/>

Assessment questions are taken from a repository of questions and randomized/standardized to ensure that users receive a different mix of questions, but are tested at a similar level of difficulty.

BRM1 Pre Study Questionnaire

Pre-exam Instructions: To prepare for the course, please read through the Bridge Resource Manual and answer this Questionnaire.

Top of Exam Instructions: To prepare for the course, please read through the Bridge Resource Manual and answer below questions To pass the test, 80% of your answers must be correct.

Exam Questions

Category	Exam Questions	Available Questions
BRM1 Pre Study Questionnaire	25	60

Instructors can override results or allow students to retake assessments.

BRM1 Pre Study Questionnaire

Pre-assessment Instructions: To prepare for the course, please read through the Bridge Resource Manual and answer this Questionnaire.

Top of Assessment Instructions: To prepare for the course, please read through the Bridge Resource Manual and answer below questions To pass the test, 80% of your answers must be correct.

AZZURRA ARDITO

Assessment Type: Exam
State: Finished
Exam Type: Unproctored
Start Time: Feb 17 2015, 0:22:42
Finish Time: Feb 17 2015, 2:45:29
Total Time: 143 min
Questions Answered: 25/25
Score: 20 / 25 or 80% [Override Score](#)

Questions: Filter by: All [Enable Take Again](#) [Enable Continue Assessment](#)

The candidate answered correctly. Not overridden 8260

What are the procedures for introducing the Pilot to the bridge team?

A. Through a briefing by the Master using the pilot card
B. Through a briefing conducted by the Operations director using the Pilot exchange briefing checklist and pilot card ☒
C. Through a briefing by the Navigator using the Pilot exchange briefing checklist and pilot card

The candidate answered correctly. Not overridden 8254

What are important aspects of a debriefing after a 'learning' event?

Certificates can be automatically generated upon completion of assessments. The following screenshots show the Certificate management interface for a user along with an example of a generated certificate. Certificate formats and looks can be customized.

Course	Date Awarded	Certificate Name	
PFE	Aug 15 2014, 8:26:03	Annual Completion Certificate	✕ Revoke 🔗 View
HazCom	Aug 14 2014, 7:59:02	Annual Completion Certificate	✕ Revoke 🔗 View
SexHar	Jul 19 2014, 6:51:34	Completion Certificate	✕ Revoke 🔗 View



Instructors can evaluate students through MarineLMS' Student Evaluation feature. The following screenshots show the Student Evaluation interface available to instructors.

Students can review their assessment results. An overview of their assessments is given through the Student Gradebook and Activities report page. A question-by-question review of assessments is also available for students.

Student Gradebook for AZZURRAARDITO						View Certificates
Offering ^	Course ^	Assessments Completed ^	Avg. Grade ^	Date of Last Assessment ^	Registered ^	
BRM1D2-Open-W08	Bridge Resource Management 1	1	80 %	Feb 17 2015, 0:22:42	Jan 13 2015, 3:08:43	Select
NaEc1D1-Open-W07	NE1	0	N/A	N/A	Jan 12 2015, 8:44:12	Select

[← First](#)
[<](#)
[>](#)
[Last →](#)
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Activities for AZZURRAARDITO (AArdito) in BRM1D2-Open-W08						View Certificates
Activity Name	Grade	Date	Class Average	Time Taken (min)		
BRM1 Pre Study Questionnaire	20/25 (80%)	Feb 17 2015, 0:22:42	90%	143	Select	

Average Grade 80% ⓘ

BRM1 Pre Study Questionnaire

Date Taken Feb 17 2015, 0:22:42

Start Time Feb 17 2015, 0:22:42

Finish Time Feb 17 2015, 2:45:29

Time Taken 143 min

Questions Answered 25/25

Score 20 / 25 or 80%

[Return to Content](#)

What are the procedures for introducing the Pilot to the bridge team? 8260

- ☐ Through a briefing by the Master using the pilot card
- ☒ Through a briefing conducted by the Operations director using the Pilot exchange briefing checklist and pilot card
- ☐ Through a briefing by the Navigator using the Pilot exchange briefing checklist and pilot card

What are important aspects of a debriefing after a 'learning' event? 8254

- ☒ To be treated as learning experience; Master to discuss his/her own role in the event and create a no blame culture; Openly discuss the case; Team performance; Creating action plans
- ☐ Root cause to be determined and individual shortcomings to be emphasized; Creating action plans
- ☐ Meeting to be expedited, avoid confrontations which are to be dealt with later, and develop action plans/procedures

What should the sender of an order do if the receiver repeats the order incorrectly? 8238

- ☐ Repeat the correct order
- ☒ Say 'negative' and then repeat the correct order
- ☐ Say 'no' and then spell the order using the International Phonetic Alphabet

Analytics/Report and Audit Logging

MarineLMS offers a wide range of reports based on assessments, student grades and more. The following screenshots show a Question Performance report and a drilldown graph.

Root / Resolve / Blood borne Pathogens

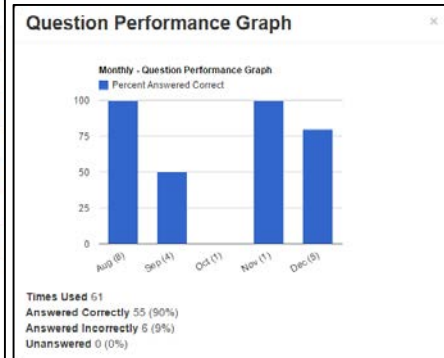
Question Performance Report

Filter by Category: All Filter by Overridden: All Filter by text: Filter

Short ID	Question	Times Used	Correct	Incorrect	Unanswered	Times Overridden	Graph
3773	All employees are governed by the OSHA Bloodborne standard?	39	36 (92%)	3 (7%)	0 (0%)	0	Graph
3773	All Maritime employees are strictly governed by the OSHA Bloodborne stan...	18	4 (22%)	14 (77%)	0 (0%)	0	Graph
3774	Protecting Good Samaritans is the primary purpose of the Bloodborne Path...	13	10 (76%)	3 (23%)	0 (0%)	0	Graph
3774	Assisting a co - worker with a nose bleed is a "Good Samaritan" act an...	40	15 (37%)	25 (62%)	0 (0%)	0	Graph
3775	Universal Precautions is an approach to infection control used to protec...	57	54 (94%)	2 (3%)	1 (1%)	0	Graph
3776	Hepatitis B Vaccination Requirements say that Hepatitis B vaccinations m...	19	3 (15%)	16 (84%)	0 (0%)	0	Graph
3776	Hepatitis B Vaccination Requirements say that Hepatitis B vaccinations m...	45	44 (97%)	1 (2%)	0 (0%)	0	Graph
3777	An at risk employee may refuse the vaccinations without fear of losing t...	61	55 (90%)	6 (9%)	0 (0%)	0	Graph
3778	An employer MUST obtain consent from the source individual and the expos...	62	53 (85%)	8 (12%)	1 (1%)	0	Graph
3779	Biohazard Warning labels are required on which of the following?	57	57 (100%)	0 (0%)	0 (0%)	0	Graph

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Contact MarineLS for a document with the full list of available reports and accompanying screenshots.

Course Features and Administration

The following screenshot shows the interface for managing student registrations.

Bridge Resource Management 1

Course Offerings [Add Offering](#)

Name	Start	End	Active	
BRM1D2-Open-W20	May 10 2015	May 15 2015	Active	✔ ✖ Select
BRM1D2-Open-W18-00	Apr 26 2015	May 01 2015	Active	✔ ✖ Select
BRM1D2-Open-W17	Apr 19 2015	Apr 24 2015	Active	✔ ✖ Select
BRM1D2-CCL-W16	Apr 12 2015	Apr 17 2015	Active	✔ ✖ Select
2015-W15-BRM1D2-Open	Apr 05 2015	Apr 10 2015	Active	✔ ✖ Select
BRM1D2-Open-W14	Mar 29 2015	Apr 03 2015	Active	✔ ✖ Select
BRM1D2-Open-W13-00	Mar 22 2015	Mar 27 2015	Active	✔ ✖ Select
2015-W12-BRM1D2-Open	Mar 15 2015	Mar 20 2015	Active	✔ ✖ Select
BRM1D2-Open-W11-00	Mar 08 2015	Mar 13 2015	Active	✔ ✖ Select
BRM1D2-Open-W09	Feb 22 2015	Feb 27 2015	Active	✔ ✖ Select

← First < > Last → 11 - 20 of 82

Name: 2015-W12-BRM1D2-Open

Registrations [Add Students](#)

First Name	Last Name	User Name	Date	
ANDREA	SANTORO	ASantor0	Feb 18 2015	✖
DIEGO	MICHELOZZI	DMichelozzi	Feb 26 2015	✖
DANTE	SIMEONE	DSimeone	Feb 11 2015	✖
GIUSEPPE	PINTO	GPinto1	Feb 11 2015	✖
JOEY	STEFANI	JStefani	Feb 18 2015	✖
LEONARDO	VALERIO	LValerio	Feb 11 2015	✖
RADU NICOLAE	HULPE	NHulpe	Feb 18 2015	✖
NELLO	IACCARINO	Niaccarino1	Feb 11 2015	✖
SINISA	CUTUL	SCutul	Feb 11 2015	✖
SEBIANA	GIANFRIDDO	SGianfriddo	Feb 18 2015	✖

← First < > Last → 1 - 10 of 10

Instructors [Add Instructors](#)

A feedback button is available for every page on the system.

Feedback Page - Google Chrome

localhost/MarineLMS.Web.Main.Trunk/Pages/Home/FeedbackPage?path=%2FRc

Feedback for Course Material

In order to eliminate errors and ensure that this page remains current with respect to best practises, we need your help. Please fill out this form to let us know of any issues you have found.

Contact information (name, phone, e-mail) in case we need clarification

Feedback from: Shan N, E-mail: shan@marinets.com

Description of the problem please be as descriptive as possible

[Submit Feedback](#)

[Setup](#)

See the features in action with a Live Demo of MarineLMS:

Or contact us for more information at:

info@marinels.com

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