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Rapid Online Content Creation Environment Learning Content Management (ROCCE LCM)

The Government's Web-Based Training Authoring Tool

As federal agency budgets decrease and work demands increase, government employees are increasingly requiring access to on-demand, online knowledge support. Learning management systems (LMS) are not exempt from this demand for anytime, anywhere access. Immediate access to courseware development enables an agency to:

- Provide relevant training for a workforce with continuously changing and escalating skill requirements
- Unleash the collective intellectual power of employees
- Preserve and share institutional knowledge
- Realize sustained, improved organizational performance

The right partner and learning solution are required to meet current/future needs for cost-effective, accessible training within government organizations.

The Booz Allen Advantage

Booz Allen Hamilton, a leading strategy and technology consulting firm, provides strategic e-learning solutions that not only assist in meeting training goals but also support the government's overall business objectives. We developed a Rapid Online Content Creation Environment (ROCCE) Learning Content Management System (LCMS) to enhance the government's ability to develop e-learning courseware. We leveraged our comprehensive understanding of government learning objectives based upon more than 20 years of experience partnering with virtually all federal agencies in the development of web-based LMS to design this tool, which meets the demand for an anytime, anywhere method of training development.

The ROCCE Process

Developed with the government, for the government, ROCCE LCMS was designed to fit your needs. Further, as a government off-the-shelf (GOTS) system, ROCCE LCMS is available to any government agency without licensing fees. This web-based training authoring tool is unique because it is easy to use:

- It is template-based, thereby maximizing the efficiency of courseware development
- Its output is open-source HyperText Markup Language (HTML)
- Its courseware modules can be loaded seamlessly into AtlasPro LMS
- It is fully integrated with other systems, such as Army Training Requirements and Resources System (ATRRS) and the Defense Enrollment Eligibility Reporting System (DEERS)
- It is platform independent through its use of leading-edge open technologies

The ROCCE process is simple. In four easy steps, a developer can create courseware and publish it to the AtlasPro LMS—no need to understand complicated standards.

ROCCE Process

ROCCE
- Create course structure
- Add Content
- Upload Media
- Review (QA)
- Publish to AtlasPro

AtlasPro

About Booz Allen

Booz Allen Hamilton has been at the forefront of strategy and technology consulting for more than 90 years. Providing a broad range of services in strategy, operations, organization and change, information technology, systems engineering, and program management, Booz Allen is committed to delivering results that endure.
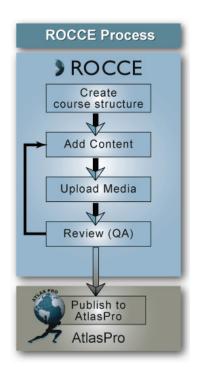
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Flexible Application Architecture

ROCCE LCMS's architecture was designed with no proprietary code, enabling a flexible application architecture that promotes dynamic user interaction, increases creativity, enhances information sharing, and improves scalability. Its architectural features include:

- Open-source architecture
- Web 2.0-based design
- Java Server Faces (JSF) and Rich Faces component libraries-based user interface layer
- Jboss SEAM application framework and Enterprise Java Beans 3-based application layer
- Java Persistence API (JPA)/Hibernate-based data access layer
- Wide use of asynchronous JavaScript and extensible markup language (AJAX)
- Relational Database Management System (RDBMS) and operating system-independent deployment
- Clustered and load-balanced infrastructure architecture

Streamlined Courseware Development

Single sign-on (SSO) capability from AtlasPro LMS	■ Takes advantage of the full capabilities of the AtlasPro LMS authentication, authorization, and SSO ■ Has common access card (CAC) implementation
Content versioning	■ Enables multiple versions of courses to be created allowing simultaneous development and production
Template-based approach	■ Standardizes the "look and feel" of courseware across an organization ■ Requires no previous SCORM sequencing knowledge/experience
Instant previewing	■ Provides multilayer instant previewing for content and layout ■ Allows issue resolution at an early stage in the courseware development lifecycle—eliminating rework
Question bank	■ Builds re-usable question banks for a course's learning objectives ■ Enables transparent publishing of the ROCCE LCMS-built question bank to AtlasPro LMS with individual courses
SCORM conformance/LMS publishing	■ Builds content conformant with all active SCORM versions (i.e., 1.2, 2004 edition 2, and edition 3) ■ Allows SCORM 2004 courses built with ROCCE LCMS to be used on any SCORM-conformant LMS ■ Offers one-click course publishing to AtlasPro LMS
Course import	■ Allows import of a ROCCE LCMS-generated course for use by another client ■ Enables import of any SCORM course through its well-defined XML extraction capability

Representative Client Engagements

Booz Allen can provide your organization with high-impact learning solutions based upon years of experience gained from supporting the training mission and objectives of a worldwide audience of military and government clients.

CLIENTS	Strategic Learning	Analysis and Studies	Installation	Full Implementation	Course Development	Data Migration	Software Maintenance	Operations Support	Custom Integration	Help Desk	SCORM Support	Life-Cycle Support
Army Training and Support Center (ATSC)	o	o	o	o		o		o		o	o	
Defense Acquisition University (DAU)	o	o	o	o		o	o	o	o		o	o
Defense Contract Audit Agency (DCAA)			o			o	o		o		o	o
Defense Manpower Data Center (DMDC)	o	o	o	o	o	o	o	o	o	o	o	o
Future Combat Systems (FCS)		o	o				o		o		o	
Joint Knowledge Development and Distribution Center (JKDDC)	o	o	o	o	o	o	o	o	o		o	