

Appendix D: Functional Requirements: Learning Content Management

Learning Content Management technology combines the capabilities of Web content and document management with the ability to manage learning objects according to educational standards.

GENERAL QUESTIONS *(If possible, please limit responses to one page or less.)*

- A. Briefly illustrate and explain how content is typically created using your LCMS product.
- B. Please provide a detailed explanation of how your system manages learning objects to create and publish new learning content.
- C. Although the agency does not intend to track individual learners, we wish to leverage LCMS tools to dynamically generate custom content by learner profile. In addition to the core authoring and publishing capabilities of dynamically assembling reusable learning objects based on either an assessment exercise or the authors' sequencing instructions, please address how the LCMS will support profile or role-based e-learning and performance support (i.e. job role, location, past experience, preferred learning style or media types, assessment results, past use, etc).
- D. Briefly describe your interoperability or preferences with third party tools such as LMS products, or native LMS functionality, and e-learning authoring tools.
- E. In order to maximize the cost savings associated knowledge base maintenance, we will need to seek ways to reduce the labor costs of migrating legacy courses, assorted types of content and materials, and learning objects to the single centralized repository our LCMS will access. Please describe how your proposed solution addresses this issue.
- F. What features/benefits set your products/services apart from your competitors in the area of learning content management? Provide specific examples and explain why your solution is the "right" solution for the California AOC, Courts of Appeal and Supreme Court.

DETAILED REQUIREMENTS

Response Key:

1	Item is "Out Of Box"- indicate module
2	Item will be included in future release - specify version and date
3	Item addressed by 3rd party integration- specify partner
4	Item requires customized code to be written- estimate level of effort and cost
5	Item not addressed by solution

D1. Learning Content Management

ITEM	REQUIREMENT	RESPONSE	COMMENTS
D1.1	System shall be compatible with external authoring tools for the creation, editing and upload of content.		
D1.2	System shall include a searchable RLO (reusable learning objects) repository.		
D1.3	System shall provide a mechanism for the creation and management of reusable learning objects (RLOs).		
D1.4	System shall provide a robust repository for defined formats (see format list).		
D1.5	System shall provide built in HTML and Flash templates.		
D1.6	System shall provide content authoring tools.		
D1.7	System shall provide for templates to standardize the look and feel of content (e.g. lesson plans, etc).		
D1.8	System shall provide out of the box templates for content creation.		
D1.9	System shall provide the ability to check-in/check-out courses or learning objects.		
D1.10	System shall provide the ability to create custom templates (template repository).		
D1.11	System shall provide the ability to import/upload existing courses.		

ITEM	REQUIREMENT	RESPONSE	COMMENTS
D1.12	System shall provide users visual feedback indicating a file's status (who has content checked out, how long it has been checked out).		
D1.13	System shall provide version control for learning objects.		
D1.14	System shall support metadata tagging of content for indexing.		
D1.15	System shall Support multiple web graphics standard formats (GIF, JPEG, etc).		
D1.16	System shall support multiple, concurrent authors.		
D1.17	System shall support production notes and developer comments (for feedback cycles).		
D1.18	System shall support the ability to work off-line, download content and re-synch with the repository.		
D1.19	System shall support web-based content creation and editing.		
D1.20	System's content authoring tools shall include certification development tools.		
D1.21	System shall support creation of learner profiles and the ability to generate content by profile, so that a learner of a certain type (e.g. Judge) and location (e.g. Modesto) could receive customized courseware according to his or her attributes.		
D1.22	System shall support tracking of individual learners via personal identifiers		
D1.23	System shall support association of a learners' identifier with standard learner profile		
D1.24	System shall support generation of content or content outlines for "suggested coursework" appropriate to a learner's specified profile		
D1.25	System shall allow learners to pause mid-course. The system shall track the learner's place within a course and allow the learner to resume in a new		

ITEM	REQUIREMENT	RESPONSE	COMMENTS
	session at a future time.		
D1.26	System shall support certification testing and tracking		
D1.27	System shall support generation of template-based certificates for learners to print following completion of a course or set of courses		

END OF APPENDIX