



Request for Proposals for CICA Courseware
Modified & Reissued: March 21, 2007

Data Interchange Standards Association (DISA) is seeking qualified firms to submit proposals for revamping existing or developing new courseware on Context Inspired Component Architecture (CICA), ASC X12's syntax-neutral approach to message design and to generating XML schemas.

CICA Courseware Objective

Equip attendees with the ability to build from start-to-finish a CICA message.

Target Audience

Business analysts (users) with little technical background.

*Please note that while CICA is ASC X12's architecture for generating XML schemas, XML does **not** need to be covered in this course. CICA is a syntax-neutral approach to designing data exchange messages, and XML is one instance of a message output.*

Courseware Guidance

We offer the following guidance below for the development of the CICA courseware. That said, this guidance is not etched in stone as we are looking to you as an expert in courseware design to offer any preferred alternative approaches and recommendations.

1. Anticipated Courseware Content, Format & Location

- Recommended course prerequisite reading material, such as *X12.7: Technical Specification and XML Syntax Representation*, and the CICA Cookbook (how-to guide under development).
- Two four-hour sessions
 - First four-hour session to provide an overview of CICA, an explanation of each of the seven layers and how they all fit together, and how CICA constructs are used to create messages for data exchange.
 - Second four-hour session to include:
 1. Step-by-step CICA message development, with an example document/message woven into the training, such as an invoice or a payment.
 2. Exercises that include hands-on use of relevant software products, such as: the GEFEG.FX® CICA Editor, which can be used to build CICA messages; Sparx Systems' Enterprise Architect to model business processes; and Altova XMLSpy® to view final XML schema output generated from CICA messages. Please note, these technology providers often offer their own tool training, which may be either referenced/pointed to or leveraged.
- Recommended post-course activities to reinforce course content and to prepare participant to be active in CICA message development.
- Class will be able to occur:
 - Prior or in conjunction with the ASC X12 meeting, e.g. four hours Saturday afternoon, then four hours Sunday morning.
 - As a standalone session – either one full day, or two half-day sessions (e.g. afternoon session followed by a morning session).



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2. CICA Courseware must accurately reflect the content in:
 - X12.7: *CICA Technical Specification and XML Syntax Representation*.
 - X12.71: *CICA XML Design Rules*.
 - “CICA Cookbook,” e.g. how-to guide under development
 - CICA Output Reference Document (aka CHM file)
3. CICA courseware should serve as a foundation for:
 - “Train the trainer” approach, e.g. having a few trained business analyst users that can guide the work of their respective ASC X12 work groups to create X12 CICA messages.
 - The creation of an introductory Webinar.
 - A shortened refresher CICA course for those who have already taken this first 8-hour course.

Deliverables

1. Syllabus that includes such items as course description, general education goals, and planned exercises.
2. Slide deck that contains the complete training material including some level of guidance to the instructor (e.g. use of Notes Pages in PowerPoint), and accompanying exercises.
3. A trainer to field-test the CICA course June 2 (4 hours) and June 3, 2007 (4 hours) in conjunction with the ASC X12 Meeting at the Wyndham Orlando Resort, located at 8001 International Dr., Orlando FL 32819, 407-351-2420 (phone). This first session will likely draw approximately 20 attendees. Please note, we understand this is an aggressive timeline - if the development of the entire courseware is not possible by June 2, we expect delivery of at least the first half of the course, including an overview of CICA, an explanation of each of the seven layers and how they all fit together, and how CICA constructs are used to create messages for data exchange.
4. Following the first field-test of the CICA course, provide recommended changes to the course.

Assumptions

Please feel free to:

1. Provide alternative approaches to developing and delivering the CICA courseware.
2. Leverage and use slide material from the existing CICA courseware.
3. Incorporate content and information from X12.7, X12.71, and the CICA Cookbook
4. Reference appropriate tool training provided by ASC X12’s Tool for Member program participants - visit www.X12.org and click on “Tools for Members” to view the technology providers and their software contributions.

Evaluation Criteria

1. Syllabus is coherent and helps the attendee understand the format of and topics to be covered in the class.
2. Instructional and learning goals are clearly defined for attendee.
3. Course promotes active learning through trainer-attendee and attendee-to-attendee (peer-to-peer) participation and interaction.
4. Course is organized in a coherent manner.
5. Courseware developer(s) and trainer(s) have documented technical education skills and experience.



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Proposal Submission Format

Submissions must include the following items:

1. Name and contact information.
2. Your proposal.
3. Noted credentials for your company, courseware developer(s), and trainer(s).
3. Available start date, time estimate in hours, and completion date.
4. Fee for services.

Submission Deadline

Please submit your proposal electronically to Julia O'Brien at jobrien@disa.org by April 2, 2007. She can also be reached at 606-780-4940.