



## CICA 101

### Context Inspired Component Architecture (CICA) Course Outline

**Learning Method:** Instructor-Led Classroom Training

**Duration:** 1 day

**Overview:** In this course, attendees learn about CICA in the context of business messaging, identify elements of a CICA Document, and build a start-to-finish CICA message definition using best practices.

**Who Should Attend:** This course is designed for ASC X12 members who need to build CICA models and constructs.

**Overall Course Objective:** After completing this course, participants will be able to create a CICA Document definition using best practices.

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#### COURSE OBJECTIVES

1. Define CICA.
2. Explain the value proposition of CICA.
3. Use examples to illustrate CICA's role in Business Messaging.
4. Describe the basic structure of the CICA Architecture.
  - a. List the basic layers of a CICA Document.
  - b. Define the purpose of each of the layers.
  - c. Describe the interrelationships between the layers.
  - d. Determine the attributes of each layer.
  - e. Recognize the elements of a CICA Document in a diagram.
  - f. Define the difference between Abstract and Concrete.
5. Use the CICA Output Reference Document to find and interpret approved CICA constructs.
6. Build a CICA Document definition using best practices.
7. View a sample CICA message

## SESSION 1 TOPICS

1. Introduction, Agenda, Logistics.
2. What is CICA and why use it?
  - a. Describe CICA's purpose.
  - b. Discuss CICA's value proposition.
  - c. Define CICA's role in business messaging.
3. Ice Breaker: Ask participants how business messages are specifically used in their work and what they know about CICA constructs.
4. Demonstrate the basic structure of the CICA Architecture, using color-coded diagrams to illustrate the layers of a CICA Template and Document.
  - Documents
  - Templates
  - Modules
  - Assemblies
  - Blocks
  - Components
  - Primitives
  - a. Define the purpose of each of the layers.
  - b. Describe the interrelationships between the layers.
  - c. Determine the attributes of each layer.
  - d. Define the difference between Abstract and Concrete.
  - e. Illustrate the architecture using real examples and diagrams of CICA constructs.
5. Use the *CICA Output Reference Document* (X12-CICA-V00200710.chm) to search for and interpret approved CICA constructs. Demonstrate contents and icons.
  - a. Exercise: Using the "CHM" File. (Individual) Find and open the Coverage Request Document. Use diagrams for comparison. Determine which modules and other entities are contained.
  - b. Compare usage names to entity names. Search for a specific Primitive, and view its usages.

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## SESSION 2 TOPICS

6. Build a CICA Document definition, step-by-step, using a practical business scenario.
  - a. Best Practices
  - b. Exercise: Building from the Ground Up. (Small Groups of 3) Use a sample CICA Document and its elements to define the CICA Constructs and to create the CICA Document definition.
    - i. Identify Primitives and Components.
    - ii. Recognize Core Component Types (CCTs)
    - iii. Identify information for Blocks and Assemblies.
    - iv. Create and name Modules that map to slots for an existing Template.
    - v. Review and compile the Document definition.
7. Wrap Up
  - a. Summarize the course.
  - b. Encourage involvement in CICA message development.

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## REQUIRED RESOURCES FOR COURSE

*X12.7: CICA Technical Specification and XML Syntax Representation*

*X12.71: CICA Design Rules and Guidelines*

*CICA Output Reference Document (X12-CICA-V00200710.chm): Compiled Help File*