Course Code: CM18G

Course Title: IMS Transaction Manager Application Programming

Description:

Learn how to write application programs that use Data Language One (DL/I) to process terminal input and output messages in an Information Management System / Data Communications (IMS/DC) system.

Objectives:

- Modify an IMS batch DL/I application program to function in an IMS/DC environment: receiving a message from a terminal and sending output messages to terminals
- Handle the exception conditions that may occur using DL/I functions
- Work with Scratch Pad Areas (SPA) in an IMS-conversational program
- Understand the application program considerations in using Message Format Services (MFS) and the system service functions data structures

Prerequisites:

You should:

- complete:
  - *IMS Fundamentals (CM010)* **or** *IMS Fundamentals -Web (CMW01)*
  - *IMS DB Application Programming (U3717)*

- **or** be able to:
  - Describe the basic control **and** flow of IMS/DC communications facilities
  - Understand the DL/I components **and** calls of a database application program
  - Modify a program in COBOL **or** PL/I to add IMS/DC functions

Duration:

16 Hrs

Topics:

- IMS TM System Overview
- Message Processing Programming
- Get/Send Terminal Data
- Message Format Services (MFS)
- Create and use MFS control blocks
- IMS/TM Additional Facilities

Audience:

This intermediate course is for individuals responsible for writing programs in Common Business Oriented Language (COBOL), or Programming Language One (PL/I) using DL/I to communicate with terminals in an IMS/DC system.