

# **Advanced Report Writing**

**I245**

## **Environment**

MVS or VM/CMS

## **Audience**

This course is designed for those individuals who need to have a thorough understanding of how LIST processing works in order to generate customized reports. Course content goes beyond what is covered in B210 Intro to Mainframe Reporting.

## **Format**

Classroom - 2 days

## **Prerequisites**

- B210 Intro to Reporting for VM and MVS
- I201 NOMAD Database Structures

## **Objectives**

At the conclusion of the course, the student will be able to perform the following tasks:

- Produce reports by merging data from multiple masters and databases
- Report from multiple paths of a hierarchy
- Utilize various data aggregation methods
- Manipulate array index heading through use of the look-up technique
- Produce general reports containing summary and detail information
- Select efficient screening methods for report generation
- Manipulate both output orientation and the display of data
- Utilize tools for testing the efficiency of reports
- Produce LIST requests that use special report functions

## **Outline**

The Advanced Report Writing course consists of the following topics:

- Data relations
- LIST internals
- The logical report line vs. the physical report line
- Efficiencies of data screening
- Sorting data
- Expressions, calculations and report functions
- Relational operators and the By-One-By-Two technique
- Manipulating the physical report line
- Gathering LIST statistics

## **Course Summary**

This course looks at reporting in terms of the phases of LIST processing, gathering, sorting, matching and printing data. Reporting efficiencies, methodologies and trade-offs within these phases are covered. Terminal exercises allow students to gain hands-on practice in producing a variety of reports relating to the course topics.