



**IQ 511-2*
IMPROVING INFORMATION PRODUCT QUALITY:
*Data Correction, Data Preparation and Data Movement Control for
Operational and Business Intelligence
(TIQM P5)**

Larry P. English
President and Principal
Information Impact International, Inc.

Course Description:

Level: Advanced

Based on current information defect production rate and information quality (IQ) decay, an organization's databases may have significant IQ problems that, left unattended, will cause business processes to fail. This in turn causes high costs of recovery from the failure, along with costs of information scrap and rework.

In this course, you learn how to approach data correction as a "one-time event," with a goal of minimizing the costs of information scrap and rework. You also learn how to prepare data for data analysis or data mining to properly address strategic and tactical business information needs.

You learn how to develop audits and controls for data movement for data warehousing, but also for data movement among operational databases where required.

Learning Objectives:

- How to conduct "efficient" data correction initiatives
- How to determine the balance between electronic and human correction
- How to maximize the effectiveness of record matching and de-duplication
- How to prepare data for data mining
- How to develop audits and controls for data movement

Duration: 2 Days

Format: Lecture plus workshop exercises

Pre-Requisites: 1. Completion of TIQM 101 training or equivalent AND having read Chapters 1, 2, 3 and 8 in *Improving Data Warehouse and Business Information Quality*, AND
2. At least 6 months experience applying IQ or Quality principles

*This course is part of the TIQM Certification program provided by Information Impact International.

Course Outline:

1. Minimizing the Costs of Information Scrap and Rework: a Proactive Approach to Data Cleansing
 - Data correction as a one-time event
 - Electronic data correction: strengths and limitations
 - Human data correction: beyond electronic data cleansing
2. Data Movement Control
 - Mapping source-to-target data
 - Assessing source information quality (TIQM P2: Assessing Information Quality)
 - Preparing data for Business Intelligence
 - Developing the Data Movement Control Plan for ECTL (Extract, Correct, Transform, Load)
 - Designing Audit Controls for Information Quality
3. Data Reengineering
 - Enterprise-strength Data Design
 - Incremental Data Reengineering