# Overview of an Approach to Data Quality

John Gimpert
Deloitte & Touche
Tim Krick
Deloitte & Touche

## **Executive Summary**

Data quality issues have been faced by a number of Deloitte & Touche (D&T) clients in a variety of contexts. Practical challenges arising out of these experiences motivated the development of an integrated approach to data quality. This approach includes three key phases: 1) Build a Foundation 2) Transform 3) Sustain.

Client examples (with names changed) are used to illustrate key points of each of these phases:

- 1) Build a Foundation -- Data definitions and business rules are discussed in the context of the real estate industry.
- 2) Transform -- Data cleansing can require a massive work effort, but risk assessment can be used to better prioritize work and allocate resources.
- 3) Sustain -- Planning and effort is required to support continued return on investments in data quality.

Lessons learned from these and other client experiences are discussed, including insights into business decisions around people, processes, and technologies.

# Overview of an Approach to Data Quality

John Gimpert Tim Krick

C 2001 Deloite & Touche LLP. All rights reserved. Proprietary information: This document contains concepts, ideas and materials that are proprietary to Deloite & Touche LLP and may use be used. conied received to others or referred to without the consens normalism of Deloite & Touche LLP.

# Discussion Topics Background and History Challenges Experienced in Practice An Integrated Approach Building the Foundation Data Quality Transformation Sustaining Data Quality Lessons Learned CONCEAUGH A LANGE LES ALAGRAGAGE ARRANGE SERVICE ARRANGE ARR

### D&T's Data Quality and Integrity (DQI) Practice

- Our Genesis supporting the complex data needs of audit teams
  - \* Data extraction
  - ❖ Data analysis
- Growth through support of system integration projects
- > Broad client experience has confirmed:
  - \* Complexity of data quality issues
  - \* More than just supporting system integration
  - \* Need for a broad, integrated approach
  - \* Need to mobilize people with a variety of competencies

C 2001 Deloine & Touche LIP. All rights reserved. Proprietary information: This document contains concepts, ideas and materials that are proprietary to Deloine & Touche LIP and may not be used, copied, provided to others, or referred to without the capaces permission of Deloine & Touche LIP.





## **Challenges Experienced in Practice**

- ➤ Need to address data quality issues at an enterprise level and at a detailed level
- ➤ Data quality issues cross organizational boundaries
- > Executive commitment
- ➤ Data definitions
- ➤ Business rules early and often
- ➤ Difficulty integrating disparate systems
- Prioritization of work efforts / addressing resource constraints
- ➤ Sustaining ROI

C 2001 Deloite & Touche LLP. All rights reserved. Proprietary information: This document contains concepts, ideas and materials that are propieta

Deloitte & Touche













