Meeting the ISO 8000 Requirements for Quality Data

ABSTRACT-----

Leaders of the NATO committee on codification coined the phrase "data is the DNA of logistics" but we know that it is much more than that. We are a data dependent society, every event, every individual, every organization, all locations, goods and services are represented by data. Beyond the accuracy of the data and its ability to accurately represent reality, data has its own history and intrinsic qualities that make it portable from one application to another and allow it to be safely preserved as it moves over time from one electronic media to another. As we migrate towards an ever more dynamic Event Driven Architecture (EDA) and an ever more interdependent Service Oriented Architecture (SOA), the accuracy and portability of the master data, data that describes individuals, organizations, locations, goods and services or the who, what and where, become ever more critical. ISO 8000 is the international standard that defines the requirements for quality data, understanding this important standard and how it can be used to measure data quality is an important first step in developing any information quality strategy.

BIOGRAPHY-----

Peter R. Benson

Executive Director and Chief Technical Officer Electronic Commerce Code Management Association

Peter R. Benson is the Executive Director and Chief Technical Officer of ECCMA; he is an expert in distributed data systems and master data management. Peter developed data collection and reporting systems for large agricultural businesses as well as for the public relations, advertising, healthcare and financial industries. Peter was granted a British patent in 1992 covering the maintenance



and usage tracking of distributed data. Peter developed the UNSPSC, an internationally recognized commodity classification for spend analysis and went on to develop the eOTD a leading open technical dictionary used to create unambiguous language independent descriptions of individuals, organizations, locations, goods, services, processes, rules and regulations. Peter served as the elected chair of ASC X12E the US Standards Committee responsible for the development and maintenance of EDI standard for product data. Peter is part of the US expert delegation to ISO TC 184/SC 4 and the project leader for the international standard ISO 8000 (data quality) and ISO 22745 (open technical dictionaries). Peter has a baccalaureate in mathematics and physics from the Academy of Bordeaux, France, a bachelor of science in agriculture from London University, England and a master of science in agricultural marketing from London University, England.

Meeting the requirements of ISO 8000



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> > Slide 1

International Organization for Standardization (ISO) •156 National standard organization members (one per country) •(AFNOR, ANSI, BSI CNIS, DIN, GOST, Standards Australia) •192 Technical Committees • 3 000 Technical bodies International • 50 000 domain experts Organization for Standardization •Central Secretariat in Geneva 150 staff •ISO TC 184 Industrial automation systems and integration • ISO TC184 SC4 Industrial data (STEP) ISO 22745 (open technical dictionaries and their application to master data) · ISO 8000 Data Quality · ISO 8000-100 Master Data Quality Slide 2













ISO 8000 - Data Quality – Parts under development

Part 1:	Overview, principles and general requirements	
Part 2:	Terminology	
Part 100:	Master data: Overview	
Part 110:	Master data: Exchange of characteristic data: Syntax, semantic encoding, and conformance to data specification	
Part 120:	Master data: Provenance	
Part 130:	Master data: Accuracy	
Part 140:	Master data: Completeness	
		Slide 9















Slide 16





































