

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	What is a data model
4.1	General
4.2	The term “model”
4.3	Data-oriented process of modelling
4.4	The conceptual data model as a first step aiming for a database system
4.5	Description of data modelling approaches for supervisory purposes
4.5.1	General
4.5.2	Using the “form centric” modelling approach
4.5.3	Using the “data centric” modelling approach
4.6	Description of dimensional modelling
4.7	The concept of normalization
5	Why use a multidimensional data model
5.1	General
5.2	Multidimensional data model
5.3	Operations that can be carried out on a multidimensional data model
6	Why data modelling is essential for collecting supervisory information
6.1	General
6.2	Objective of Data Point modelling
6.3	Main features
6.3.1	Increase of knowledge and understanding
6.3.2	Improvement of integration of changes
6.3.3	Reduction of risk of duplicate information
6.3.4	Higher harmonization
6.4	Classification of Data Point modelling in the data modelling concept
6.5	Area of application
6.6	What are the technical constraints
7	How do you proceed in creating a Data Point Model
7.1	General
7.2	Define dictionary elements
7.3	Specify hierarchies
7.4	Define Data Points
7.5	Define normalized tables and ensure quality of Data Point Model
7.6	Distribute Data Point Model
8	What the future holds for us