ISO/IEC 24744:2007-02 (E)

Software Engineering - Metamodel for Development Methodologies

Contents

Page

1 Scope 1
1.1 Purpose 1
1.2 Audience 1

2 Conformance 2

3 Terms and definitions 2

4 Naming, diagramming and definition conventions, and abbreviated terms 4
4.1 Naming, diagramming and definition conventions 4
4.2 Abbreviations 5

5 Basic Concepts 5
5.1 Method Engineering 6
5.2 Dual-Layer Modelling 6
5.3 Powertypes and Clabjects 6
5.4 Uniting Process and Product 7
5.5 Process Assessment 7

6 Introduction to the SEMDM 8
6.1 Highly Abstract View 8
6.2 Abstract View and Core Classes 8
6.3 Process Classes 9
6.4 Producer Classes 11
6.5 Product Classes 12
6.6 Connection between Process and Product 13
6.7 Support Classes 14

7 Metamodel Elements 15
7.1 Classes 15
7.2 Enumerated Types 63

8 Using the Metamodel 64
8.1 Usage Rules 64
8.2 Usage Guidelines 65

9 Extending the Metamodel 66
9.1 Extension Rules 66
9.2 Extension Guidelines 67

Annex A (informative) Worked Example 68

Annex B (informative) Mappings to Other Metamodelling Approaches 74

Bibliography 78

Table of Figures Figure 1 - The three areas of expertise, or domains, which act as a context for SEMDM 5

Figure 2 - Highly abstract view of the SEMDM 8

Figure 3 - Abstract view of the SEMDM, showing the core classes in the metamodel 9

Figure 4 - Work units 10

Figure 5 - Stages 11

Figure 6 - Producers 12

Figure 7 - Work product and modelling classes 13

Figure 8 - Actions and constraints 14

Figure 9 - Support classes 14