

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