

# ISO/IEC 19763-1:2007-02 (E)

## Information technology - Metamodel framework for interoperability (MFI) - Part 1: Reference model

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
1	Scope .....	1
2	Conformance .....	1
3	Normative references .....	1
4	Terms, definitions and abbreviated terms .....	1
4.1	Terms and definitions .....	1
4.2	Abbreviated terms .....	3
5	Metamodel framework architecture .....	4
5.3	Exclusions .....	5
5.4	Area of applicability .....	5
5.5	Metamodel framework architecture .....	7
5.6	Part 2: Core model .....	11
5.7	Part 3: Metamodel for ontology registration .....	15
5.8	Part 4: Metamodel for model mapping .....	17
5.9	Part 5: Metamodel for model constructs .....	18
Bibliography .....		19
Figures	Figure 2 -- Registry federation with metamodel framework .....	5
	Figure 3 -- Metamodel framework to support sharing of models .....	6
	Figure 4 -- Registry federation by the metamodel frameworks .....	7
	Figure 5 -- Metamodel framework architecture .....	7
	Figure 6 -- Metamodel framework architecture and overall structure of meta hierarchy .....	9
	Figure 7 -- Structure of the metamodel framework architecture .....	10
	Figure 8 -- MFI registration concept .....	11
	Figure 9 -- Core model as a successor of both MOF and common facilities of MDR .....	11
	Figure 10 -- Concept of the four quadrant registration scheme .....	12
	Figure 11 -- High level view of MFI core model .....	13
	Figure 12 -- Scheme for model registration .....	13
	Figure 13 -- Representation of concept .....	14
	Figure 14 -- Registration of metamodels as an upper model .....	14
	Figure 15 -- Registration of detailed model following upper model .....	15
	Figure 17 -- Metamodel for ontology registration .....	17
	Figure 18 -- Metamodel for model mapping .....	18