ISO 19440:2007-12 (E)

Enterprise integration - Constructs for enterprise modelling

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms, definitions and abbreviated terms 1
3.1 Terms and definitions 1
3.2 Abbreviated terms 10

4 Common characteristics of modelling language constructs 11

5 Representations, relationships, roles and complementary concepts 12
5.1 Range of representation 12
5.2 Common structure and template for modelling language constructs 13
5.3 Representation of attributes 14
5.4 Representation of relationships 14
5.5 Specializations 15
5.6 Roles 15
5.7 Complementary concepts 16

6 The modelling language constructs 16
6.1 Overview of constructs 16
6.2 Domain 19
6.3 Business Process 21
6.4 Enterprise Activity 23
6.5 Event 26
6.6 Enterprise Object 28
6.7 Enterprise Object View (Object View) 30
6.8 Product 31
6.9 Order 32
6.10 Resource 34
6.11 Capability 36
6.12 Functional Entity 37
6.13 Organizational Unit 39
6.14 Decision Centre 41
6.15 Person Profile 43
6.16 Organizational Role 44
6.17 Operational Role 45

7 Compliance principles 47

Annex A (normative) Behavioural rules -- Detailed description and syntax 48

Annex B (informative) Rationale 58

Annex C (informative) Overview of modelling language constructs and relationships 62

Annex D (informative) Demonstration of applicability of this International Standard to other initiatives 69

Annex E (informative) Example usages of constructs and complementary concepts 89

Bibliography 111