

ISO/IEC 15944-1:2002-08 (E)

Information technology - Business agreement semantic descriptive techniques - Part 1: Operational aspects of Open-edi for implementation

Contents		Page
Foreword	v
0	Introduction	vi
0.1	Purpose and overview	vi
0.2	Requirements on the business operational view aspects of Open-edi	viii
0.3	Business operational view (BOV), Open-edi and E-commerce, E-business, etc	xi
0.4	Use of "Person", "person", and "party" in the context of business transactions and commitment exchange	xii
0.5	Organization and description of the document	xii
0.6	Registration aspects of Open-edi scenarios, scenario attributes and scenario components	xiii
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Symbols and abbreviated terms	12
5	Characteristics of Open-edi	12
5.1	Actions based upon following clear, predefined rules	13
5.2	Commitment of the parties involved	13
5.3	Communications among parties are automated	13
5.4	Parties control and maintain their states	13
5.5	Parties act autonomously	14
5.6	Multiple simultaneous transactions can be supported	14
6	Components of a business transaction	14
6.1	Introduction	14
6.2	Rules governing person	26
6.3	Rules governing the process component	42
6.4	Rules governing the data component	46
6.5	Business requirements on the FSV (Business demands on Open-Edi Support Infrastructure)	51
6.6	Primitive classification and identification of Open-edi scenarios	54
7	Guidelines for scoping open-edi scenarios	64
7.1	Introduction and basic principles	64
7.2	Rules for scoping Open-edi scenarios	65
7.3	Template for specifying scope of an Open-edi scenario	68
8	Rules for specification of Open-edi scenarios and their components	73
8.1	Introduction and basic principles	73
8.2	OES demands on interoperability	76
8.3	Rules for specification of Open-edi scenarios and scenario attributes	76
8.4	Rules for specification of Open-edi roles and role attributes	81
8.5	Rules for specification of Open-edi Information Bundles (IBs) and IB attributes	90
8.6	Business requirements on FSV (business demands on Open-edi Support Infrastructure)	97
9	Primitive Open-edi scenario template	98

9.1	Purpose	98
9.2	Template Structure and Content	99
10	Requirements on Open-edi description techniques	102
10.1	General requirements on Open-edi description techniques	102
10.2	Requirements on OeDTs for roles	103
10.3	Requirements on OeDTs for Information Bundles	104
11	References	104
Annex A (normative) Consolidated list of terms and definitions with cultural adaptability: ISO English and ISO French language equivalency		
		106
Annex B (normative) Codes representing presence-type attributes: mandatory, conditionals, optionals and not applicable		
		121
Annex C (informative) Unambiguous identification of entities in (electronic) business transactions		
		124
Annex D (informative) Existing standards for the unambiguous identification of persons in business transactions (organizations and individuals) and some common policy and implementation considerations		
		132
Annex E (informative) Business transaction model: person component		
		152
Annex F (informative) Business transaction model: process component		
		189
Annex G (informative) Business transaction model: data component		
		207
Annex H (informative) Effect of classification of scenario constructs		
		223
Annex I (informative) Scenario descriptions using the Open-edi scenario template: "Telecommunications Operations Map" example		
		228
Annex J (informative) Open-edi and E-commerce: areas of activities and participation		
		266