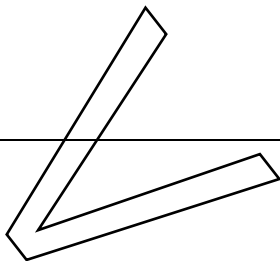


praktijkrichtlijn

NPR-ISO/TS 15000-3 (en)

Electronic business eXtensible Markup Language (ebXML) - Part 3: Registry information model specification (ebRIM) (ISO/TS 15000-3:2004, IDT)

juni 2004
ICS 35.040



Als Nederlandse praktijkrichtlijn is aanvaard:

- ISO/TS 15000-3:2004, IDT

Nederlands Elektrotechnisch Comité (NEC)

Preview

Apart from exceptions provided by the law, nothing from this publication may be duplicated and/or published by means of photocopy, microfilm, storage in computer files or otherwise, which also applies to full or partial processing, without the written consent of the Netherlands Standardization Institute.

The Netherlands Standardization Institute shall, with the exclusion of any other beneficiary, collect payments owed by third parties for duplication and/or act in and out of law, where this authority is not transferred or falls by right to the Reproduction Rights Foundation.

Auteursrecht voorbehouden. Behoudens uitzondering door de wet gesteld mag zonder schriftelijke toestemming van het Nederlands Normalisatie-instituut niets uit deze uitgave worden veeelvoudigd en/of openbaar gemaakt door middel van fotokopie, microfilm, opslag in computerbestanden of anderszins, hetgeen ook van toepassing is op gehele of gedeeltelijke bewerking.

Het Nederlands Normalisatie-instituut is met uitsluiting van ieder ander gerechtigd de door derden verschuldigde vergoedingen voor veeelvoudiging te innen en/of daartoe in en buiten rechte op te treden, voor zover deze bevoegdheid niet is overgedragen c.q. rechtens toekomt aan de Stichting Reprorecht.

Although the utmost care has been taken with this publication, errors and omissions cannot be entirely excluded. The Netherlands Standardization Institute and/or the members of the committees therefore accept no liability, not even for direct or indirect damage, occurring due to or in relation with the application of publications issued by the Netherlands Standardization Institute.

Hoewel bij deze uitgave de uiterste zorg is nagestreefd, kunnen fouten en onvolledigheden niet geheel worden uitgesloten. Het Nederlands Normalisatie-instituut en/of de leden van de commissies aanvaarden derhalve geen enkele aansprakelijkheid, ook niet voor directe of indirecte schade, ontstaan door of verband houdend met toepassing van door het Nederlands Normalisatie-instituut gepubliceerde uitgaven.

Voorbeeld
Preview

TECHNICAL
SPECIFICATION

ISO/TS
15000-3

First edition
2004-05-15

Preview

**Electronic business eXtensible Markup
Language (ebXML) —**
**Part 3:
Registry information model specification
(ebRIM)**

*Commerce électronique en langage de balisage extensible (ebXML) —
Partie 3: Spécification du modèle d'information des registres (ebRIM)*



Reference number
ISO/TS 15000-3:2004(E)

© ISO 2004

ISO/TS 15000-3:2004(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

Copyright
Preview

© ISO 2004

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of normative document:

- an ISO Publicly Available Specification (ISO/PAS) represents an agreement between technical experts in an ISO working group and is accepted for publication if it is approved by more than 50 % of the members of the parent committee casting a vote;
- an ISO Technical Specification (ISO/TS) represents an agreement between the members of a technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

An ISO/PAS or ISO/TS is reviewed after three years in order to decide whether it will be confirmed for a further three years, revised to become an International Standard, or withdrawn. If the ISO/PAS or ISO/TS is confirmed, it is reviewed again after a further three years, at which time it must either be transformed into an International Standard or be withdrawn.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO/TS 15000-3 was prepared by OASIS/ebXML Registry Technical Committee (as OASIS/ebXML Registry Information Model v2.0) and was adopted by Technical Committee ISO/TC 154, *Processes, data elements and documents in commerce, industry and administration*. The content of ISO/TS 15000-3 and OASIS/ebXML Registry Information Model v2.0 is identical.

ISO/TS 15000 consists of the following parts, under the general title *Electronic business eXtensible Markup Language (ebXML)*:

- *Part 1: Collaboration-protocol profile and agreement specification (ebCPP)*
- *Part 2: Message service specification (ebMS)*
- *Part 3: Registry information model specification (ebRIM)*
- *Part 4: Registry services specification (ebRS)*



Creating A Single Global Electronic Market

1

2

3

4

5

OASIS/ebXML Registry Information Model v2.0

6

Approved OASIS Standard

7

OASIS/ebXML Registry Technical Committee

8

April 2002

9

1 Status of this Document

11

Distribution of this document is unlimited.

13

This version:

15

<http://www.oasis-open.org/committees/regrep/documents/2.0/specs/ebRIM.pdf>

16

Latest version:

18

<http://www.oasis-open.org/committees/regrep/documents/2.0/specs/ebRIM.pdf>

19

20

20 **2 OASIS/ebXML Registry Technical Committee**

21 Prior to being approved as an OASIS Standard, this document, in its current
22 form, was an approved Committee Specification of the OASIS ebXML Registry
23 Technical Committee. It builds upon version 1.0 which was approved by the
24 OASIS/ebXML Registry Technical Committee as a DRAFT Specification of the
25 TC.

26
27 At the time of v2.0 committee approval, the following were members of the
28 OASIS/ebXML Registry Technical Committee:

29
30 Kathryn Breininger, Boeing
31 Lisa Carnahan, US NIST (TC Chair)
32 Joseph M. Chiusano, LMI
33 Suresh Damodaran, Sterling Commerce
34 Mike DeNicola, Fujitsu
35 Anne Fischer, Drummond Group
36 Sally Fuger, AIAG
37 Jong Kim, InnoDigital
38 Kyu-Chul Lee, Chungnam National University
39 Joel Munter, Intel
40 Farrukh Najmi, Sun Microsystems
41 Joel Neu, Vitria Technologies
42 Sanjay Patil, IONA
43 Neal Smith, Chevron/Texaco
44 Nikola Stojanovic, Encoda Systems, Inc.
45 Prasad Yendluri, webMethods
46 Yutaka Yoshida, Sun Microsystems
47

48 **2.1 Contributors**

49 The following persons contributed to the content of this document, but are not
50 voting members of the OASIS/ebXML Registry Technical Committee.

51
52 Len Gallagher, NIST
53 Sekhar Vajjhala, Sun Microsystems

54

55

55 **Table of Contents**

56

57	1 STATUS OF THIS DOCUMENT	1
58	2 OASIS/EBXML REGISTRY TECHNICAL COMMITTEE.....	2
59	2.1 CONTRIBUTORS.....	2
60	3 INTRODUCTION.....	8
61	3.1 SUMMARY OF CONTENTS OF DOCUMENT.....	8
62	3.2 GENERAL CONVENTIONS	8
63	3.2.1 <i>Naming Conventions</i>	8
64	3.3 AUDIENCE.....	9
65	3.4 RELATED DOCUMENTS	9
66	4 DESIGN OBJECTIVES.....	9
67	4.1 GOALS	9
68	5 SYSTEM OVERVIEW.....	10
69	5.1 ROLE OF EBXML <i>REGISTRY</i>	10
70	5.2 REGISTRY SERVICES.....	10
71	5.3 WHAT THE REGISTRY INFORMATION MODEL DOES.....	10
72	5.4 HOW THE REGISTRY INFORMATION MODEL WORKS.....	10
73	5.5 WHERE THE REGISTRY INFORMATION MODEL MAY BE IMPLEMENTED.....	10
74	5.6 CONFORMANCE TO AN EBXML <i>REGISTRY</i>	11
75	6 REGISTRY INFORMATION MODEL: HIGH LEVEL PUBLIC VIEW.....	11
76	6.1 REGISTRYOBJECT	12
77	6.2 SLOT	12
78	6.3 ASSOCIATION.....	12
79	6.4 EXTERNALIDENTIFIER.....	12
80	6.5 EXTERNALLINK	12
81	6.6 CLASSIFICATIONSCHEME.....	12
82	6.7 CLASSIFICATIONNODE.....	13
83	6.8 CLASSIFICATION	13
84	6.9 REGISTRYPACKAGE	13
85	6.10 AUDITABLEEVENT.....	13
86	6.11 USER.....	13
87	6.12 POSTALADDRESS	13
88	6.13 EMAILADDRESS	13
89	6.14 ORGANIZATION.....	14
90	6.15 SERVICE.....	14
91	6.16 SERVICEBINDING.....	14
92	6.17 SPECIFICATIONLINK.....	14

93	7	REGISTRY INFORMATION MODEL: DETAIL VIEW	14
94	7.1	ATTRIBUTE AND METHODS OF INFORMATION MODEL CLASSES	15
95	7.2	DATA TYPES	16
96	7.3	INTERNATIONALIZATION (I18N) SUPPORT.....	16
97	7.3.1	<i>Class InternationalString</i>	16
98	7.3.2	<i>Class LocalizedString</i>	17
99	7.4	CLASS REGISTRYOBJECT	17
100	7.4.1	<i>Attribute Summary</i>	17
101	7.4.2	<i>Attribute accessControlPolicy</i>	18
102	7.4.3	<i>Attribute description</i>	18
103	7.4.4	<i>Attribute id</i>	18
104	7.4.5	<i>Attribute name</i>	18
105	7.4.6	<i>Attribute objectType</i>	18
106	7.4.7	<i>Method Summary</i>	20
107	7.5	CLASS REGISTRYENTRY	20
108	7.5.1	<i>Attribute Summary</i>	21
109	7.5.2	<i>Attribute expiration</i>	21
110	7.5.3	<i>Attribute majorVersion</i>	21
111	7.5.4	<i>Attribute minorVersion</i>	21
112	7.5.5	<i>Attribute stability</i>	22
113	7.5.6	<i>Attribute status</i>	22
114	7.5.7	<i>Attribute userVersion</i>	23
115	7.5.8	<i>Method Summary</i>	23
116	7.6	CLASS SLOT.....	23
117	7.6.1	<i>Attribute Summary</i>	23
118	7.6.2	<i>Attribute name</i>	24
119	7.6.3	<i>Attribute slotType</i>	24
120	7.6.4	<i>Attribute value</i>	24
121	7.7	CLASS EXTRINSICOBJECT	24
122	7.7.1	<i>Attribute Summary</i>	24
123	7.7.2	<i>Attribute isOpaque</i>	25
124	7.7.3	<i>Attribute mimeType</i>	25
125	7.8	CLASS REGISTRYPACKAGE.....	25
126	7.8.1	<i>Attribute Summary</i>	25
127	7.8.2	<i>Method Summary</i>	25
128	7.9	CLASS EXTERNALIDENTIFIER	25
129	7.9.1	<i>Attribute Summary</i>	26
130	7.9.2	<i>Attribute identificationScheme</i>	26
131	7.9.3	<i>Attribute registryObject</i>	26
132	7.9.4	<i>Attribute value</i>	26
133	7.10	CLASS EXTERNALLINK.....	26
134	7.10.1	<i>Attribute Summary</i>	26
135	7.10.2	<i>Attribute externalURI</i>	27
136	7.10.3	<i>Method Summary</i>	27
137	8	REGISTRY AUDIT TRAIL	27

138	8.1	CLASS AUDITABLEEVENT.....	27
139	8.1.1	Attribute Summary	28
140	8.1.2	Attribute eventType	28
141	8.1.3	Attribute registryObject	28
142	8.1.4	Attribute timestamp	28
143	8.1.5	Attribute user	28
144	8.2	CLASS USER.....	29
145	8.2.1	Attribute Summary	29
146	8.2.2	Attribute address	29
147	8.2.3	Attribute emailAddresses	29
148	8.2.4	Attribute organization	29
149	8.2.5	Attribute personName	29
150	8.2.6	Attribute telephoneNumbers	30
151	8.2.7	Attribute url.....	30
152	8.3	CLASS ORGANIZATION.....	30
153	8.3.1	Attribute Summary	30
154	8.3.2	Attribute address	30
155	8.3.3	Attribute parent.....	30
156	8.3.4	Attribute primaryContact.....	30
157	8.3.5	Attribute telephoneNumbers	30
158	8.4	CLASS POSTALADDRESS.....	31
159	8.4.1	Attribute Summary	31
160	8.4.2	Attribute city.....	31
161	8.4.3	Attribute country.....	31
162	8.4.4	Attribute postalCode.....	31
163	8.4.5	Attribute state.....	31
164	8.4.6	Attribute street.....	31
165	8.4.7	Attribute streetNumber.....	31
166	8.4.8	Method Summary.....	32
167	8.5	CLASS TELEPHONENUMBER	32
168	8.5.1	Attribute Summary	32
169	8.5.2	Attribute areaCode.....	32
170	8.5.3	Attribute countryCode.....	32
171	8.5.4	Attribute extension	32
172	8.5.5	Attribute number.....	33
173	8.5.6	Attribute phoneType.....	33
174	8.6	CLASS EMAILADDRESS.....	33
175	8.6.1	Attribute Summary	33
176	8.6.2	Attribute address.....	33
177	8.6.3	Attribute type.....	33
178	8.7	CLASS PERSONNAME.....	33
179	8.7.1	Attribute Summary	33
180	8.7.2	Attribute firstName.....	33
181	8.7.3	Attribute lastName	34
182	8.7.4	Attribute middleName	34
183	8.8	CLASS SERVICE.....	34

184	8.8.1	<i>Attribute Summary</i>	34
185	8.8.2	<i>Method Summary</i>	34
186	8.9	CLASS SERVICEBINDING	34
187	8.9.1	<i>Attribute Summary</i>	35
188	8.9.2	<i>Attribute accessURI</i>	35
189	8.9.3	<i>Attribute targetBinding</i>	35
190	8.9.4	<i>Method Summary</i>	35
191	8.10	CLASS SPECIFICATIONLINK	35
192	8.10.1	<i>Attribute Summary</i>	36
193	8.10.2	<i>Attribute specificationObject</i>	36
194	8.10.3	<i>Attribute usageDescription</i>	36
195	8.10.4	<i>Attribute usageParameters</i>	36
196	9	ASSOCIATION OF REGISTRY OBJECTS	37
197	9.1	EXAMPLE OF AN ASSOCIATION	37
198	9.2	SOURCE AND TARGET OBJECTS	37
199	9.3	ASSOCIATION TYPES	37
200	9.4	INTRAMURAL ASSOCIATION	38
201	9.5	EXTRAMURAL ASSOCIATION	38
202	9.6	CONFIRMATION OF AN ASSOCIATION	39
203	9.6.1	<i>Confirmation of Intramural Associations</i>	39
204	9.6.2	<i>Confirmation of Extramural Associations</i>	40
205	9.7	VISIBILITY OF UNCONFIRMED ASSOCIATIONS	40
206	9.8	POSSIBLE CONFIRMATION STATES	40
207	9.9	CLASS ASSOCIATION	40
208	9.9.1	<i>Attribute Summary</i>	41
209	9.9.2	<i>Attribute associationType</i>	41
210	9.9.3	<i>Attribute sourceObject</i>	42
211	9.9.4	<i>Attribute targetObject</i>	42
212	10	CLASSIFICATION OF REGISTRY OBJECT	43
213	10.1	CLASS CLASSIFICATIONSCHEME	46
214	10.1.1	<i>Attribute Summary</i>	46
215	10.1.2	<i>Attribute isInternal</i>	46
216	10.1.3	<i>Attribute nodeType</i>	46
217	10.2	CLASS CLASSIFICATIONNODE	47
218	10.2.1	<i>Attribute Summary</i>	47
219	10.2.2	<i>Attribute parent</i>	47
220	10.2.3	<i>Attribute code</i>	47
221	10.2.4	<i>Method Summary</i>	47
222	10.2.5	<i>Canonical Path Syntax</i>	48
223	10.3	CLASS CLASSIFICATION	49
224	10.3.1	<i>Attribute Summary</i>	49
225	10.3.2	<i>Attribute classificationScheme</i>	50
226	10.3.3	<i>Attribute classificationNode</i>	50
227	10.3.4	<i>Attribute classifiedObject</i>	50

Bestelformulier

Stuur naar:

NEN Standards Products & Services
t.a.v. afdeling Klantenservice
Antwoordnummer 10214
2600 WB Delft



NEN Standards Products & Services

Postbus 5059
2600 GB Delft

Vlinderweg 6
2623 AX Delft

T (015) 2 690 390
F (015) 2 690 271

www.nen.nl/normshop

Ja, ik bestel

__ ex. NPR-ISO/TS 15000-3:2004 en Electronic business eXtensible Markup Language (ebXML) - Part 3: Registry information model specification (ebRIM) € 161.21

Wilt u deze norm in PDF-formaat? Deze bestelt u eenvoudig via www.nen.nl/normshop

Gratis e-mailnieuwsbrieven

Wilt u op de hoogte blijven van de laatste ontwikkelingen op het gebied van normen, normalisatie en regelgeving? Neem dan een gratis abonnement op een van onze e-mailnieuwsbrieven. www.nen.nl/nieuwsbrieven

Gegevens

Bedrijf / Instelling

T.a.v. O M O V

E-mail

Klantnummer NEN

Uw ordernummer BTW nummer

Postbus / Adres

Postcode Plaats

Telefoon Fax

Factuuradres (indien dit afwijkt van bovenstaand adres)

Postbus / Adres

Postcode Plaats

Datum Handtekening

Retourneren

Fax: 015 2 690 271

E-mail: klantenservice@nen.nl

Post: NEN Standards Products & Services,

t.a.v. afdeling Klantenservice
Antwoordnummer 10214,
2600 WB Delft

(geen postzegel nodig).

Voorwaarden

- De prijzen zijn geldig tot 31 december 2018, tenzij anders aangegeven.
- Alle prijzen zijn excl. btw, verzend- en handelingskosten en onder voorbehoud bij o.m. ISO- en IEC-normen.
- Bestelt u via de normshop een pdf, dan betaalt u geen handeling en verzendkosten.
- Meer informatie: telefoon 015 2 690 391, dagelijks van 8.30 tot 17.00 uur.
- Wijzigingen en typfouten in teksten en prijsinformatie voorbehouden.
- U kunt onze algemene voorwaarden terugvinden op: www.nen.nl/leveringsvoorwaarden.