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MA Standards Software - Data Exchange Standard - Referee V2

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1.0	This document did not exist for Version 1 of the Standard. It was part of the [CORE] standard. For the changes that happened during the development of the Data Exchange Standard Version 2, see MA Standards Software – Data Exchange Standard – Player V2.doc.	P.Steger	Nov. 2011
2.0	Initial Version of this document. Moved types from Player Management. Changed Copyright based on FIFA legal requirements.	P. Steger	05.12.2011

40 **Validity**

This process description is valid with effect from:	
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70 **1. Abstract**

71 This document is part of the normative technical specification for the FIFA data exchange standard. It
72 defines the referee management related types and XML messages to be exchanged within the FIFA family
73 and other interested parties.

74 The purpose of this specification is to support the FIFA family and other interested parties in building
75 applications and processes that enable the exchange of referee management related data in a defined and
76 standardized way. Typical examples of referee management related data are Referee and
77 RefereeRegistration. It depends heavily on the Core Data Exchange Standard [CORE] which is a
78 prerequisite when implementing this standard.

79 In addition the FIFA family and other interested parties can leverage common understanding and
80 agreement within the community (on the data types) to create even more advanced data exchange
81 procedures in the future.

82

83 **2. Acknowledgement**

84 **2.1. For the data exchange standard version 2 – referee**

85 The version 2 of this standard was created on the initiative of FIFA with participation of the FIFA family.
86 Version 2 of the data exchange standard is the first version that includes this standard specification on
87 referees.

88 The case of this standard was substantially brought forward during a three day workshop held at FIFA
89 during January 2011. The workshop participants were:

- 90 • Christian Michels (FIFA, IT manager, moderator)
- 91 • Urs Zanitti (FIFA, MA manager)
- 92 • Daniel Kieser(FIFA, participant)
- 93 • Alexis Schreiber (CONMEBOL, participant)
- 94 • Tarek (CAF, participant)
- 95 • Leo Peyton (First Sports, participant)
- 96 • Stefan Siig (Sportsys, participant)
- 97 • Ivica Pavic (Analytica Engineering, participant)
- 98 • Reinaldo Vidal (FA Brazil, participant)
- 99 • Steffen Iredi (FA Germany/DFB, participant)
- 100 • Ingo Thomann (FA Germany/DFB, participant)
- 101 • Bob Ray (The FA, participant)
- 102 • Daniel Gonteri (UEFA, participant)
- 103 • Yeow Mei Jyn (AFC, participant)
- 104 • James Holroyd (TMS, participant)
- 105 • Pablo Ibáñez (RFEF, participant)
- 106 • Izhar Mahjoub (Narsiltechnologies Africa, participant)
- 107 • Ahmad Bhadir (FA UAE, participant)
- 108 • Enrique Bonilla Barrutia (FA Mexico / CONCACAF, participant)
- 109 • Swen Reusser (FIFA, participant)

- 110 • Pieter Schoneveld (Dexel, participant)
- 111 • Jervis Richard (thefa, participant)
- 112 • Chris Laroche (FIFA, participant)
- 113 • Salvatore Bucolo (FIFA, participant)
- 114 • Adrian Popp (FIFA, participant)
- 115 • Marius Schneider (FIFA, participant)
- 116 • Fred De Jong (OFC, participant)
- 117 • Torulv Norbäck (Zühlke Engineering AG, moderator)
- 118 • Thomas Memmel (Zühlke Engineering AG, moderator)
- 119 • Patrick Steger (Zühlke Engineering AG, moderator)
- 120

121 3. Terminology and notational conventions

122 This standard specification uses the same terminology and notational conventions as defined in [CORE].

123 4. Namespaces

124 The following namespaces are used in this document:

Prefix	Namespace
xsd	http://www.w3.org/2001/XMLSchema
xmime	http://www.w3.org/2005/05/xmlmime
fe	http://fifa.com/exchange/fe . This is the namespace of the MA Standards Software – Data Exchange Standard – Core [CORE] Standard.
fer	http://fifa.com/exchange/fer . This is the namespace of the types defined in this standard.

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126
127

128 **5. Message Header**

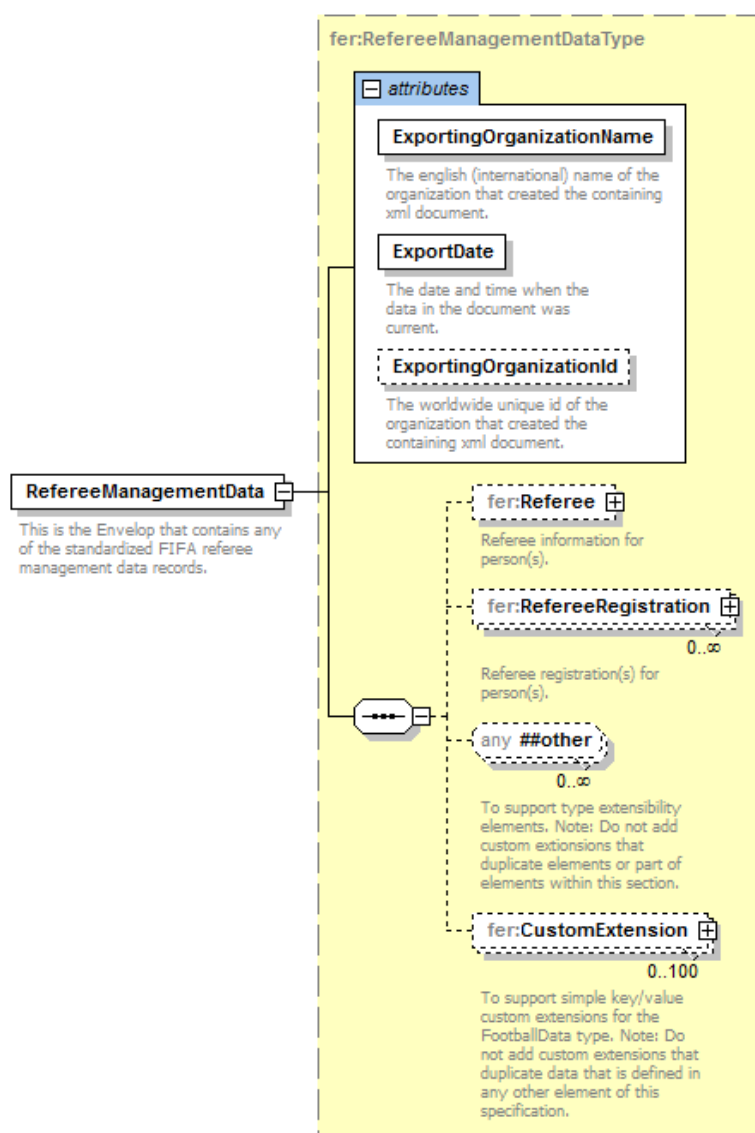
129 **5.1. Referee management data**

130 **Element name: RefereeManagementData**

131 **ComplexType name: RefereeManagementDataType**

132 **Type MUST be supported: Yes**

133
 134 When performing file based import/export this is the root element of the xml document of referee
 135 management. It contains information about the exporting party and the time when the export took place.
 136 This is the Envelop that contains any of the standardized FIFA data records of referee management.
 137



138 Pic. 1. RefereeManagementData

139
 140

Attribute	Type / Format	Documentation	Possible Values / Example	Mand.
ExportingOrganizationName	fe:String50	The English (international) name of the organization that created the containing xml document.	/ FIFA	Yes
ExportDate	fe:DateTime	The date and time when the data in the document was current.	/ 2009-10-01T11:12:12Z	Yes
ExportingOrganizationId	fe:Identifier	The worldwide unique id of the organization that created the containing xml document.		No

141

Element	Type / Format [Multiplicity]	Documentation	Possible Values / Example	Mand.
Referee	fep:RefereeType [0..*]	Referee information for person(s).	See RefereeType.	No
RefereeRegistration	fep:RefereeRegistrationType [0..*]	Referee registration(s) for person(s).	See RefereeRegistrationType.	No
any	[0..*]	Any custom entity. Implementations MAY support this element. If implementations do not support this element they MUST ignore all content within this element.		No
CustomExtension	fe:CustomExtensionType [0..100]	To support simple key/value custom extensions for this type.	See CustomExtensionType in [CORE].	No

142

Example:

```

143 <?xml version="1.0" encoding="UTF-8"?>
144 <fer:RefereeManagementData ExportingOrganizationId="010000000-0000-4000-9000-000000000001"
145 ExportDate="2001-12-17T09:30:47Z" ExportingOrganizationName="FIFA"
146 xsi:schemaLocation="http://fifa.com/exchange/fer referee-management-data-2.0.xsd"
147 xmlns:fe="http://fifa.com/exchange/fe" xmlns:fer="http://fifa.com/exchange/fer"
148 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xmime="http://www.w3.org/2005/05/xmlmime">
149   <fer:Referee Status="retired" PersonId="060000000-0000-4000-9000-000000000002">
150     <fer:Sanction SanctionDate="2008-10-21Z" SanctionType="Penalty fee $ 20'000" >
151       <fe:Description>For corruption.</fe:Description>
152     </fer:Sanction>
153     <fer:RefereeAchievement Title="Referee of the Worldcup" AwardDate="2008-12-21Z"/>
154     <fer:Ranking/>
155     <fer:Qualification/>
156   </fer:Referee>
157   <fer:RefereeRegistration OrganizationId="010000000-0000-4000-9000-000000000001" PersonId="060000000-
158 0000-4000-9000-000000000003" RefereeRegistrationId="0b0000000-0000-4000-9000-000000000001"
159 ValidFrom="2001-12-17T09:30:47Z" Discipline="Football" ValidTo="2001-12-17T09:30:47Z" Role="Assistant
160 Referee 1" Gender="male">
161     <fer:Licence OfficialLicence="A-Licence" DateOfIssue="2009-10-12Z" PlaceOfIssue="Zurich"
162 LicenceNumber="23454657u68"/>
163     <fer:CustomExtension Key="RedCardsShown">
164       <fe:Value>123</fe:Value>
165

```

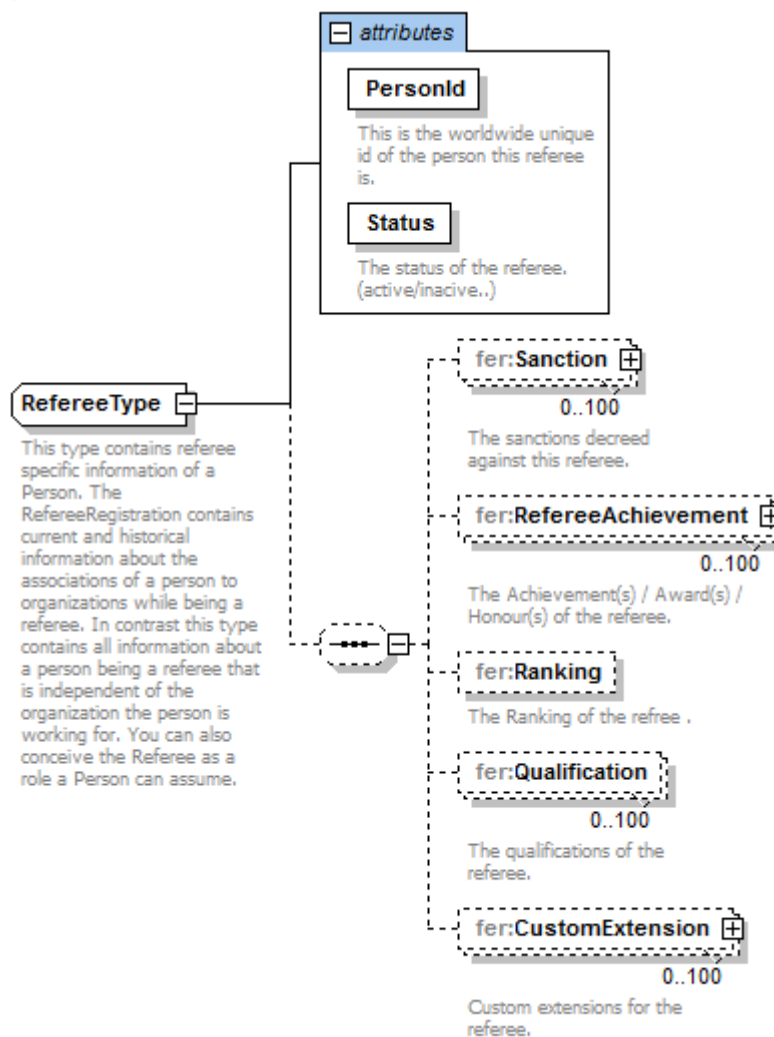

166 </fer:CustomExtension>
 167 </fer:RefereeRegistration>
 168 </fer:RefereeManagementData>

169 6. Referee Management messages

170 6.1. Referee

171 **ComplexType name: RefereeType**
 172 **Type MUST be supported: Yes**

173
 174 This type contains referee specific information of a Person. The RefereeRegistration contains current and
 175 historical information about the associations of a person to organizations while being a referee. In contrast
 176 this type contains all information about a person being a referee that is independent of the organization
 177 the person is working for. You can also conceive the Referee as a role a Person can assume.



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Pic. 2. RefereeType

Attribute	Type / Format	Documentation	Possible Values / Example	Mand.
PersonId	fe:Identifier	The worldwide unique id of the person this referee is.		Yes
Status	fe:RoleStatusType	The status of the referee.	See [CORE].	Yes

182

Element	Type / Format [Multiplicity]	Documentation	Possible Values / Example	Mand.
Sanction	fe:SanctionType [0..100]	The sanctions decreed against this referee.	See [CORE].	No
RefereeAchievement	fe:AchievementType [0..100]	The Achievement(s) / Award(s) / Honour(s) of the referee.	See [CORE].	No
Ranking	fer:RefereeRankingType [0..1]	The Ranking of the person in this referee role.		No
Qualification	fer:RefereeQualificationType	The qualifications of the referee.		No
CustomExtension	fe:CustomExtensionType [0..100]	Custom extensions for the referee.	See [CORE].	No

183

184

Example:

185

```
<fer:Referee Status="retired" PersonId=" 060000000-0000-4000-9000-0000000000002">
```

186

```
  <fer:Sanction SanctionDate="2008-10-21Z" SanctionType="Penalty fee $ 20'000" >
```

187

```
    <fe:Description>For corruption.</fe:Description>
```

188

```
  </fer:Sanction>
```

189

```
  <fer:RefereeAchievement Title="Referee of the Worldcup" AwardDate="2008-12-21Z"/>
```

190

```
  <fer:Ranking/>
```

191

```
  <fer:Qualification/>
```

192

```
</fer:Referee>
```

193

6.1.1. RefereeRanking

194

Reserved for future use.

195

6.1.2. RefereeQualification

196

Reserved for future use.

197

6.2. RefereeRegistration

198

ComplexType name: RefereeRegistrationType

199

Type MUST be supported: Yes

200

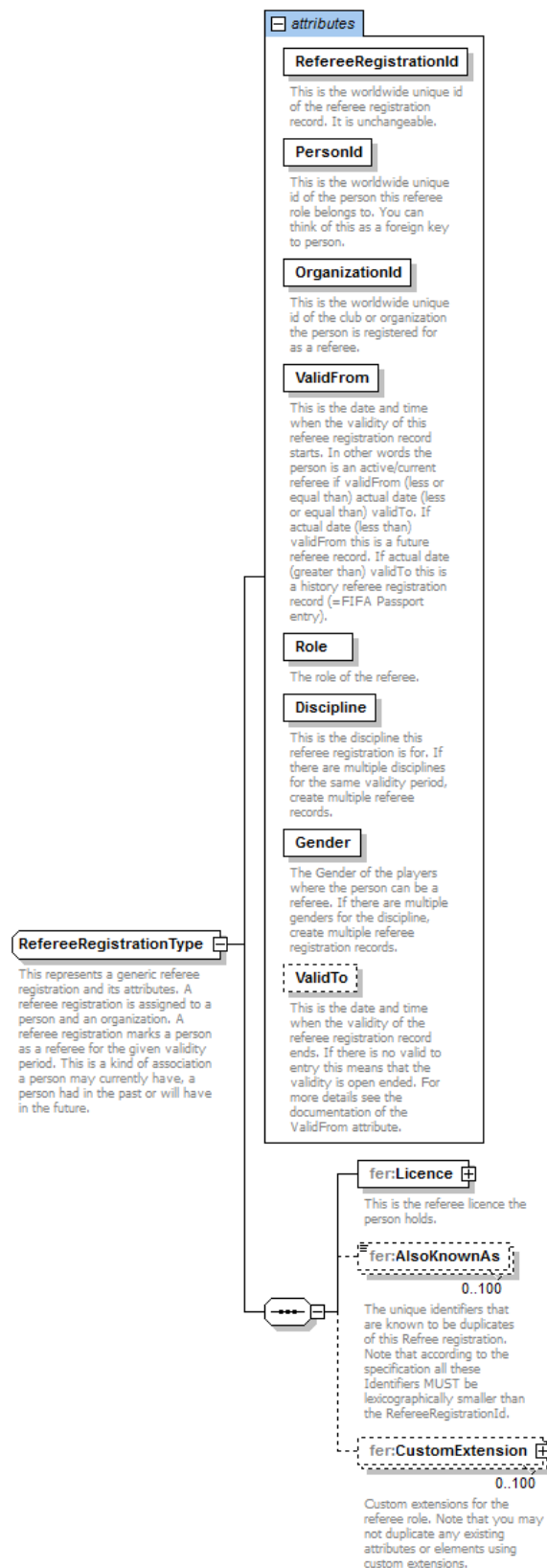
201

This represents a generic referee registration and its attributes. A referee registration is assigned to a person. A referee registration marks a person as a referee for the given validity period. This is a kind of association a person may currently have, a person had in the past or will have in the future (referee history and current referee duty).

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Pic. 3. RefereeRegistrationType

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Attribute	Type / Format	Documentation	Possible Values / Example	Mand.
RefereeRegistrationId	fe:Identifier	This is the worldwide unique id of the referee registration record. It is unchangeable.		Yes
PersonId	fe:Identifier	This is the worldwide unique id of the person this referee registration belongs to. You can think of this as a foreign key to person.		Yes
OrganizationId	fe:Identifier	This is the worldwide unique id of the club or organization the person is registered for as a referee.		Yes
ValidFrom	fe:DateTime	This is the date and time when the validity of this referee registration record starts. In other words the person is an active/current referee if validFrom (less or equal than) actual date (less or equal than) validTo. If actual date (less than) validFrom this is a future referee record. If actual date (greater than) validTo this is a history referee record (=FIFA Passport entry).	/ 2010-12-01T13:00:00Z	Yes
Role	fe:MatchOfficialRoleType / enumeration	The role of the referee when working for the organization.	See [CORE].	Yes
Discipline	fe:DisciplineType	This is the discipline this referee registration is for. If there are multiple disciplines for the same validity period, create multiple referee registration records.	See [CORE].	Yes
Gender	fe:GenderType	The Gender of the players where the person can be a referee. If there are multiple genders for the discipline, create multiple referee registration records.	See [CORE].	Yes
ValidTo	fe:DateTime	This is the date and time when the validity of the referee registration record ends. If there is no valid to entry this means that the validity is open ended. For more details see the documentation of the ValidFrom attribute.	/ 2010-12-30Z	No

208

209

210

Element	Type / Format [Multiplicity]	Documentation	Possible Values / Example	Mand.
Licence	fe:LicenceType [1]	This is the referee licence the person holds.	See [CORE].	Yes
AlsoKnownAs	fe:Identifier [0..100]	The unique identifiers that are known to be duplicates of this Referee registration. Note that according to the specification all these Identifiers MUST be lexicographically smaller than the RefereeRegistrationId.		No
CustomExtension	fe:CustomExtensionType [0..100]	Custom extensions for the referee registration. Note that you may not duplicate any existing attributes or elements using custom extensions.	See [CORE].	No

211

Example:

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```
<fer:RefereeRegistration OrganizationId=" 010000000-0000-4000-9000-000000000001" PersonId=" 060000000-0000-4000-9000-0000000000003" RefereeRegistrationId=" 0b0000000-0000-4000-9000-000000000001" ValidFrom="2001-12-17T09:30:47Z" Discipline="Football" ValidTo="2001-12-17T09:30:47Z" Role=" Assistant Referee 1" Gender="male">
  <fer:Licence OfficialLicence="A-Licence" DateOfIssue="2009-10-12Z" PlaceOfIssue="Zurich" LicenceNumber="23454657u68"/>
  <fer:CustomExtension Key="RedCardsShown">
    <fe:Value>123</fe:Value>
  </fer:CustomExtension>
</fer:RefereeRegistration>
```

223

224 **7. Abbreviations**

Abbreviation	Description
FIFA	Fédération Internationale de Football Association.
IANA	Internet Assigned Numbers Authority.
IETF	Internet Engineering Task Force.
ISO	International Organization for Standardization.
Mand.	Mandatory. In the context of this document used as header in tables. The element or attribute MUST be provided in the XML document if the value is "Yes".
MIME	Multipurpose Internet Mail Extensions.
RFC	Request for Comments by the IETF.
UCS	Universal Character Set.
UTF-8	8-bit UCS/Unicode Transformation Format.
XML	Extensible Markup Language.

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227 **8. XML Schema**

228 The XML types and elements used in this specification are defined in the following XML Schema
229 documents:

- 230 • referee-2.0.xsd – Referee and related types.
- 231 • referee-registration-2.0.xsd – Referee registration and related types.
- 232 • referee-management-data-2.0.xsd – The Message Header.

233 All these XML Schema documents are part of the standard and can be obtained from [DSSchema].

234

235 **9. References**

Reference	Description
[CORE]	The MA Standards Software – Data Exchange Standard – Core V2.doc describing the Core (fundamental) set of XML messages for the Data Exchange Standard V2. The Standard Specification in this document is directly dependent on the Core Standard.
[DSSchema]	The data exchange standard schema definition files. They can be obtained from the FIFA MA Software Standard Team that is a part of the FIFA MA professionalization programme or from the FIFA extranet: https://extranet.fifa.com/MA-Software/FIFA/Templates/DocLibrary/Pages/UserLoginFromEmail.aspx?id=28015&epslanguage=en&vpath=/ma-software/Files/Publications/all_xsd.zip .
[ISO3166]	ISO 3166-1:2006, Codes for the representation of names of countries and their subdivisions -- Part 1: Country codes. http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=39719 http://www.iso.org/iso/english_country_names_and_code_elements (non normative)
[ISO4217]	ISO 4217:2008, Codes for the representation of currencies and funds http://www.iso.org/iso/catalogue_detail.htm?csnumber=46121 http://en.wikipedia.org/wiki/ISO_4217
[ISO639]	ISO 639-2:1998, Codes for the representation of names of languages -- Part 2: Alpha-3 code. http://www.iso.org/iso/catalogue_detail?csnumber=4767 , http://www.loc.gov/standards/iso639-2/php/code_list.php (non normative)
[TDXS]	MA Standards Software - Data Exchange Standard - Transfer V2.doc. A temporary existing document that was completely merged into this document.
[XMLMIME]	W3C, Describing Media Content of Binary Data in XML. http://www.w3.org/TR/xml-media-types (Draft) http://www.w3.org/2005/05/xmlmime (XML Schema)
[XPath]	W3C, XML Path Language (XPath) 2.0 (Second Edition). http://www.w3.org/TR/xpath20/

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