

# Olympic Data Feed

## ODF Gymnastics Artistic Data Dictionary for the XX Commonwealth Games

30 June 2014  
Technology and Information Department  
© International Olympic Committee



This document is based on information provided by the IOC to Glasgow 2014 and is subject to the terms and conditions of the license agreement entered into between the IOC and Glasgow, which is reproduced hereafter. The copyright of such document belongs to the IOC.

#### License

The document accompanying this license and the information contained therein (the Document), whether in a paper or electronic format, is made available to you subject to the terms stated below. By using and/or copying all or part of the Document, you (the licensee) agree that you will comply with the following terms and conditions.

1. You may, on a non-exclusive basis, use the Document only on the condition that you abide by the terms of this license. Subject to this condition and other terms and restrictions contained herein, the Document and the information contained therein may be used (i) to further develop the standards described in the Document for use in relation with the Olympic Games and/or (ii) to develop similar standards for other events than the Olympic Games (both (i) and (ii) are hereinafter designated as the Permitted Use, and works further developing these standards for the Olympic Games or developing similar standards for other events are hereinafter referred to as Derivative Works), and copies of the Document or of Derivative Works may be made and distributed for the purpose of the Permitted Use, PROVIDED THAT the COPYRIGHT and references to the IOC appearing in the Document and the TERMS OF THIS LICENSE are included on ALL such COPIES, and further PROVIDED THAT you do not charge any fee or any other monetary compensation for the distribution of the Document to others. The copyright and other intellectual property rights in the Document remain vested in the IOC and the IOC remains entitled to assert his copyright or other intellectual property rights in the Document against any person or entity who does not comply with the terms of this License.

2. A copy of any Derivative Work shall be provided to the IOC free of charge. Moreover, the IOC is granted a worldwide, perpetual, unrestricted, royalty-free non-exclusive license to use any Derivative Work for the further development of the standards made by or for the IOC in relation to the Olympic Games (these standards and the documents describing them are hereinafter referred to as Further Standards) and to make or have made all kinds of exploitation of the Further Standards, with the right to grant sub-licenses.

3. Except if reproduced in the Document, the use of the name and trademarks of the IOC is strictly prohibited, including, without limitation, for advertising, publicity, or in relation to products or services and their names. Any use of the name or trademarks of the IOC, whether registered or not, shall require the specific written prior permission of the IOC.

4. NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE REGARDING THE ACCURACY, ADEQUACY, COMPLETENESS, RELIABILITY OR USEFULNESS OF ANY INFORMATION CONTAINED IN THE DOCUMENT. The Document and the information contained herein are provided on an "as is" basis. THE IOC DISCLAIMS ALL WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF NON-INFRINGEMENT OF PROPRIETARY RIGHTS, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL THE IOC BE LIABLE TO ANYONE FOR DAMAGES OF ANY KIND ARISING FROM OR RELATING TO YOUR ACQUISITION, USE, DUPLICATION, DISTRIBUTION, OR EXPLOITATION OF THE DOCUMENT OR ANY PORTION THEREOF, INCLUDING BUT NOT LIMITED TO, COMPENSATORY DAMAGES, LOST PROFITS, LOST DATA OR ANY FORM OF SPECIAL, INCIDENTAL, DIRECT, INDIRECT, CONSEQUENTIAL OR PUNITIVE DAMAGES, WHETHER BASED ON BREACH OF CONTRACT OR WARRANTY, TORT OR OTHERWISE. THE IOC FURTHER DISCLAIMS ANY LIABILITY FOR ANY DAMAGE CAUSED WHEN THE DOCUMENT IS USED IN A DERIVATIVE WORK. The IOC further disclaims any liability regarding the existence or inexistence of any intellectual property or other rights that might be claimed by third parties with respect to the implementation or use of the technology or information described in the Document.

The same conditions as those described in this Section shall apply mutatis mutandis to the license granted to the IOC on the

Derivative Works in Section 2 above.

5. This License is perpetual subject to your conformance to its terms and conditions. The IOC may terminate this License immediately upon your breach of any of its terms and, upon such termination you will cease all use, duplication, distribution, and/or exploitation in any manner of the Document.

6. This License is governed by the laws of Switzerland. You agree that any disputes arising from or relating to this License will be resolved in the courts of Lausanne, Switzerland.

IF YOU DO NOT AGREE TO THESE TERMS YOU MUST CEASE ALL USE OF THE DOCUMENT NOW.

## TABLE OF CONTENT

<b>1</b>	<b>Introduction .....</b>	<b>5</b>
1.1	This document.....	5
1.2	Objective .....	5
1.3	Main Audience.....	5
1.4	Glossary .....	5
1.5	Related Documents.....	5
<b>2</b>	<b>Overall Perspective .....</b>	<b>7</b>
2.1	Objective .....	7
2.2	End to End data flow .....	7
<b>3</b>	<b>Codes .....</b>	<b>8</b>
<b>4</b>	<b>Point in Time.....</b>	<b>10</b>
4.1	Point in Time Applicable Messages .....	10
4.1.1	List of participants by discipline / List of participants by discipline update .....	12
4.1.1.1	Description.....	12
4.1.1.2	Header Values.....	12
4.1.1.3	Trigger and Frequency .....	12
4.1.1.4	Message Structure .....	12
4.1.1.5	Message Values .....	12
4.1.1.6	Message sort .....	12
4.1.2	Start List.....	13
4.1.2.1	Description.....	13
4.1.2.2	Header Values.....	13
4.1.2.3	Trigger and Frequency .....	13
4.1.2.4	Message Structure .....	13
4.1.2.5	Message Values .....	13
4.1.2.6	Message sort .....	15
4.1.3	Event Unit Results .....	16
4.1.3.1	Description.....	16
4.1.3.2	Header Values.....	16
4.1.3.3	Trigger and Frequency .....	16
4.1.3.4	Message Structure .....	16
4.1.3.5	Message Values .....	16
4.1.3.6	Message sort .....	25
4.1.4	Event Final Ranking.....	26
4.1.4.1	Description.....	26
4.1.4.2	Header Values.....	26
4.1.4.3	Trigger and Frequency .....	26
4.1.4.4	Message Structure .....	26
4.1.4.5	Message Values .....	26
4.1.4.6	Message sort .....	29
4.1.5	Discipline configuration.....	30
4.1.5.1	Description.....	30
4.1.5.2	Header Values.....	30
4.1.5.3	Trigger and Frequency .....	30
4.1.5.4	Message Structure .....	30
4.1.5.5	Message Values .....	30
4.1.5.6	Message sort .....	30
<b>5</b>	<b>Real time .....</b>	<b>31</b>



5.1	Real Time Applicable Messages .....	31
5.1.1	RT Event Unit Results .....	32
5.1.1.1	Description.....	32
5.1.1.2	Header Values.....	32
5.1.1.3	Trigger and Frequency .....	32
5.1.1.4	Message Structure .....	32
5.1.1.5	Message Values .....	32
5.1.1.6	Message sort .....	42
<b>6</b>	<b>PDF feed.....</b>	<b>43</b>
	<b>DOCUMENT CONTROL .....</b>	<b>44</b>

# 1 Introduction

## 1.1 This document

This document is a Derivative Work (as defined in the License hereto) prepared by Glasgow 2014 Limited for the purpose of the XX Commonwealth Games.

## 1.2 Objective

The objective of this document is to provide a formal definition of the ODF Gymnastics Artistic Data Dictionary for the XX Commonwealth Games, with the intention that the information message producer and the message consumer can successfully interchange the information as the Gymnastics Artistic competition is run.

## 1.3 Main Audience

The main audience of this document is the IOC as the ODF promoter, Glasgow 2014, ODF users such as the World News Press Agencies, Rights Holding Broadcasters and International Sports Federations.

## 1.4 Glossary

The following abbreviations are used in this document

Acronym	Description
<b>IF or International Federation</b>	The international governing body of an Olympic Sport as recognized by the IOC
<b>IOC</b>	International Olympic Committee
<b>IPC</b>	International Paralympic Committee
<b>CGA</b>	Commonwealth Games Associations
<b>ODF</b>	Olympic Data Feed
<b>ODF-PiT</b>	Olympic Data Feed Point in Time, messages that are generated at certain point during competition
<b>ODF-RT</b>	Olympic Data Feed Real Time, messages that are generated when available
<b>RSC</b>	Results System Codes, determine uniquely one unit of the competition, specifying the discipline, gender, event, phase and unit.
<b>Sport</b>	is administered by an international federation and can be composed of one or more disciplines
<b>WNPA</b>	World News Press Agencies

## 1.5 Related Documents

Document Reference	Document Title	Document Description
ODF/INT001	ODF Message Transmission Document	This document describes the technical standards to be used to transfer ODF messages

		between the message generators and the final ODF users
ODF/COD001	ODF Common Codes Document	This document describes the ODF codes used across the rest of the ODF documents
ODF/INT142	ODF General Messages Interface Document	This document describes the ODF general messages for the XX Commonwealth Games

## 2 Overall Perspective

### 2.1 Objective

The objective of this document is to focus on the formal definition of the ODF Gymnastics Artistic Data Dictionary.

### 2.2 End to End data flow

In the following sections, for each ODF General message it will be explained in further detail those elements, attributes, codes, ODF header, the trigger and frequency for each message generation, as well as the sort of the message that are particular in the case of Gymnastics Artistic.

Any ODF Gymnastics Artistic message should follow all the previous definitions in order to be considered as an ODF compliant message.

### 3 Codes

Several codes are used in the definition of the messages in this document. Any code will be referenced the following way:

CC @CodeEntity

CodeEntity is the name of the entity that identifies a particular set of codes.

The following table describes the codes entities used in document sorted by name, indicating whether the set of values can be found in the ODF Common Codes Document, or listed in the table itself, otherwise. Please refer to ODF General Messages Interface Document to know the format of these codes.

Code Entity	Code Entity Set of Values	
CC @Apparatus	Code	Description
	FLOOR	Floor
	POMMELHORSE	Pommel Horse
	RINGS	Rings
	VAULT	Average vault score  It should be used only for competitors that performs two vaults in events where two vault performances are allowed (Qualification and Vault Final)
	VAULT1	First vault score  Used always in all events (Qualification, Vault Final, All-Around Final and Team Final)
	VAULT2	Second vault score  It should be used only for competitors that performs two vaults in events where two vault performances are allowed (Qualification and Vault Final)
	PARALLELBAR	Parallel Bars
	HORIZONTALBAR	Horizontal Bar
	BEAM	Beam
UNEVENBARS	Uneven Bars	
CC @Function	Defined in ODF Common Codes Document See entity Function <ul style="list-style-type: none"> <li>The entity's attribute to be used is Code</li> </ul>	
CC @IRM	Code	Description
	DNS	Did not start
	DNF	Did not finish
	DSQ	Disqualified
CC @QualificationMark	Code	Description
	Q	Qualified
	R1	Reserve 1
	R2	Reserve 2



Code Entity	Code Entity Set of Values	
	R3	Reserve 3
	R4	Reserve 4
CC @ResultType	<b>Code</b>	<b>Description</b>
	SCORE	Valid Score
	NO_SCORE	No valid Score
	IRM	Invalid Result Mark
	NOT_COMPETING	Athlete did not compete at the apparatus
CC @ResultsFunction	Defined in ODF Common Codes - Results Functions by Sport Document. <ul style="list-style-type: none"> <li>The Attribute to be used is ID</li> </ul>	
CC @RunStatus	<b>Code</b>	<b>Description</b>
	Last_Scored	Last scored athlete
	Current	Current athlete
	Next	Next Athlete

## 4 Point in Time

### 4.1 Point in Time Applicable Messages

The following table is a full list of all ODF messages and describes the list of messages used in Gymnastics Artistic, as well as the category of each message, which identifies if the message structure definition can be found in the ODF General Messages Interface Document.

- The column “Message type” indicates the DocumentType that identifies a message
- The column “Message name” is the message name identified by the message type
- The column “Message used in this sport” indicates whether a message is used in particular for this sport or not. If it is not ticked (X), then the message should not be used for this sport.
- The column “Message extended in this document” indicates whether a particular message has extended definition in regards to those that are general for all sports. Any message ticked (X) in this column should also be ticked in the “Message used in this sport column”. If one message has extended definition, it should be considered both, the extensions as well as the general rules for one message that is used in the case of the sport. However, if one particular message is not extended, then it should follow the general definition rules.

Message Type	Message name	Message used in this sport	Message extended in this document
DT_SCHEDULE	Competition schedule	X	
DT_SCHEDULE_UPDATE	Competition schedule update	X	
DT_PARTIC	List of participants by discipline	X	X
DT_PARTIC_UPDATE	List of participants by discipline update	X	X
DT_PARTIC_TEAMS	List of teams	X	
DT_PARTIC_TEAMS_UPDATE	List of teams update	X	
DT_MEDALS	Medal standings	Global	
DT_MEDALLISTS_DAY	Medallists of the day	Global	
DT_HISTORIC_RECORD	Historical records		
DT_GLOBAL_GM	Global good morning	Global	
DT_GLOBAL_GN	Global good night	Global	
DT_START_LIST	Start List	X	X
DT_RESULT	Event Unit Results	X	X
DT_PHASE_RESULT	Phase Results		
DT_CUMULATIVE_RESULT	Cumulative Results		
DT_POOL_STANDING	Pool Standings		
DT_RANKING	Event Final ranking	X	X
DT_STATS	Statistics table		
DT_MEDALLISTS	Medallists of one event	X	
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	X	

Message Type	Message name	Message used in this sport	Message extended in this document
DT_RECORD	Records		
DT_COMMUNICATION	Official Communication	X	
DT_BRACKETS	Brackets		
DT_GM	Discipline/venue good morning	X	
DT_GN	Discipline/venue good night	X	
DT_FED_RANKING	Federation Ranking		
DT_CONFIG	Discipline Configuration	X	X
DT_WEATHER	Event Unit Weather conditions		
DT_SERIAL	List of Current PiT Serial	X	

## 4.1.1 List of participants by discipline / List of participants by discipline update

### 4.1.1.1 Description

This message is the List of participants by discipline message as described in the ODF General Messages Interface Document.

### 4.1.1.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the ODF Common Codes document (header values sheet).

### 4.1.1.3 Trigger and Frequency

Please, follow the general definition.

### 4.1.1.4 Message Structure

The optional elements defined for this message in the ODF General Messages Interface Document that should be included in the case of Gymnastics Artistic are:

- EventEntry

In the next section (message values), there is a more detailed definition.

### 4.1.1.5 Message Values

The following table lists the List of athletes by discipline optional attributes (defined in the ODF General Messages Interface Document) that are used in the case of Gymnastics Artistic, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Participant	MainFunctionId	M	CC @Function	Main function
Participant /Discipline	InternationalFederationId	O	S(16)	FIG Licence Number. It will be included if this information is available. Only for the athletes
Participant /Discipline /RegisteredEvent	Bib	M	String	Athlete's bib number, to be sent mandatory in all the event units

### 4.1.1.6 Message sort

Please, follow the general definition.

## 4.1.2 Start List

### 4.1.2.1 Description

This message is the Start List message as described in the ODF General Messages Interface Document.

### 4.1.2.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the ODF Common Codes document (header values sheet).

### 4.1.2.3 Trigger and Frequency

Please, follow the general definition.

### 4.1.2.4 Message Structure

The optional elements defined for this message in the ODF General Messages Interface Document that should be included in the case of Gymnastics Artistic are:

- Officials /Official /ExtOfficial
- Start /Competitor /Composition /Athlete /EventUnitEntry

In the next section (message values), there is a more detailed definition.

### 4.1.2.5 Message Values

The following table lists the Start List optional attributes (defined in the ODF General Messages Interface Document) that are used in the case of Gymnastics Artistic, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Start	StartOrder	O	Numeric	Do not send
	SortOrder	M	Numeric	To send but not to be used
Start /Competitor/Composition/Athlete	Order	M	Numeric	To send but not to be used
	Bib	M	String	Athlete Bib Number
Officials/Official	Code	M	S(20) with no leading zeroes	Official ID
	Function	M	CC @Results Function	Send according to the codes
	Order	M	N(2)	Send order inside each apparatus

The following table describes in more detail the /Officials/Official/ExtOfficial element in the case of Gymnastics Artistic.

Element: /Officials/Official/ExtOfficial				
Type	Code	Pos	Value	Description
EO_OFFICIAL_GA	GA_JURY_APPARATUS		CC @Apparatus	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Send the proposed code

Element: /Officials/Official/ExtOfficial				
Type	Code	Pos	Value	Description
				For Vault use VAULT1 code.
	GA_JURY		Y/N	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send Y if the official is part of the Jury Send N if the official is part of the Superior Jury

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
EO_OFFICIAL_GA /GA_JURY_APPARATUS	Jury Apparatus  For Vault use VAULT1 code	When the judge is assigned to an apparatus
EO_OFFICIAL_GA /GA_JURY	Indicates if the official is part of the Jury	Always

The following table describes in more detail the Start /Competitor /Composition /Athlete /EventUnitEntry element.

Element: Start /Competitor /Composition /Athlete /EventUnitEntry				
Type	Code	Pos	Value	Description
EUE_GA	GA_NOC		S(3)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Send the CGA code or MGx for mixed group
	GA_IRM		CC @IRM	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Send the proposed code
	GA_ROTATION	N(2)	CC @Apparatus	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Send the rotation number
				For @Value: Send the apparatus
				For Vault use VAULT1 code
	GA_ORDER	N(1)	N(3)	For @Type: Send proposed type
				For @Code: Send proposed code

Element: Start /Competitor /Composition /Athlete /EventUnitEntry				
Type	Code	Pos	Value	Description
				For @Pos : 1..N Send the Rotation Number
				For @Value: Send the order
	GA_SECOND_VAULT		Y/N	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Send Y in case the athlete is doing 2 vaults (For qualification only)

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
EUE_GA/GA_NOC	CGA Code or MGx for mixed Group	Only for Qualification
EUE_GA /GA_IRM	Invalid Result mark	When applies
EUE_GA /GA_ROTATION	Rotation number and apparatus For Vault use VAULT1 code	Always
EUE_GA /GA_ORDER	Apparatus Order	Always
EUE_GA /GA_SECOND_VALULT	Indicator for athletes doing 2 vault	Only for Qualification

#### 4.1.2.6 Message sort

Please, follow the general definition.

### 4.1.3 Event Unit Results

#### 4.1.3.1 Description

This message is the Event Unit Results message as described in the ODF General Messages Interface Document.

#### 4.1.3.2 Header Values

The DocumentCode attribute in the ODF header will be sent according for all the competition events to the ODF Common Codes document (header values sheet).

#### 4.1.3.3 Trigger and Frequency

Please, follow the general definition.

#### 4.1.3.4 Message Structure

The optional elements defined for this message in the ODF General Messages Interface Document that should be included in the case of Gymnastics Artistic are:

- UnitInfo
- Competitor /ExtendedResults /ExtendedResult
- Competitor /Composition /ExtendedResults /ExtendedResult

#### 4.1.3.5 Message Values

The following table lists the Event Unit Results optional and/or extended attributes (defined in the ODF General Messages Interface Document), as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Numeric	Rank of the competitor in the corresponding event unit. This attribute is optional because the competitor could get an invalid rank mark.
	RankEqual	O	Y/N	It must be send always that the attribute Rank is send, it identify if a rank has been equalled.
	ResultType	M	CC @ResultType	Result type,
	IRM	O	CC @IRM	IRM for the particular event unit  Send just in the case @ResultType is IRM
	Result	O	N(2).N(3) 90.000	Score
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.

The following table describes in more detail the UnitInfo element in the case of Gymnastics Artistic.

Element: UnitInfo				
Type	Code	Pos	Value	Description
UI_GA	GA_SUBDIVISION		N(2)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything



Element: UnitInfo				
Type	Code	Pos	Value	Description
				For @Value: Send the current or the last finished subdivision
	GA_ROTATION		N(1)	For @Type: Send proposed type
				For @Code: Send the proposed code
				For @Pos: Do not send anything
				For @Value: Send the current or the last finished rotation

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
UI_GA/GA_SUBDIVISION	Current or last finished subdivision	Always
UI_GA/GA_ROTATION	Current or last finished rotation	Always.

The following table describes in more detail the Competitor /ExtendedResults /ExtendedResult element

Element: Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_GA	GA_FLOOR, GA_POMMELHORSE, GA_RINGS, GA_VAULT <sup>1</sup> , GA_VAULT1 <sup>1</sup> , GA_VAULT2 <sup>1</sup> , GA_PARALLELBAR, GA_HORIZONTALBAR, GA_BEAM, GA_UNEVENBARS	GA_RESULT_TYPE		CC @ResultType	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the appropriate code for the apparatus
		GA_RANK		N(3) 990	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the rank of the competitor for the apparatus
		GA_ERANK		Y/N	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Y if the rank is equalled.
		GA_IRM		CC @IRM	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value:

Element: Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					Send the appropriate code for the apparatus
		GA_SCORE		N(3).N(3) 990.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the total Score for the apparatus
	GA_REP_IRM			CC @IRM	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the appropriate code for the apparatus. This is the competitor IRM when all teams have finished the same number of apparatus.
	GA_REP_SCORE			N(3).N(3) 990.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Reported Score. This is the score when all teams have finished the same number of apparatus.
	GA_REP_RANK			N(3) 990	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: This is the rank when all teams have finished the same number of apparatus
	GA_REP_ERANK			Y/N	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Y if the rank is equalled.
	GA_REP_SORTORDER			N(3) 990	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Sort Order by Reported Rank
	GA_PEN_GLOBAL			N(2),N(2))	For @Type:

Element: Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
				90.00	Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the penalty deduction.

1 See Codes section for full explanation

For the table above, we have the following additional/summary information:

Type /Code	CodeExtension	Description	Expected
ER_GA /GA_FLOOR, ER_GA /GA_POMMELHORSE, ER_GA /GA_RINGS, ER_GA /GA_VAULT <sup>1</sup> , ER_GA /GA_VAULT1 <sup>1</sup> , ER_GA /GA_VAULT2 <sup>1</sup> , ER_GA /GA_PARALLELBAR, ER_GA /GA_HORIZONTALBAR, ER_GA /GA_BEAM, ER_GA /GA_UNEVENBARS	GA_RESULT_TYPE	Apparatus detailed result	(only for Team Final)
	GA_RANK	Apparatus Result type	(only for Team Final)
	GA_ERANK	Apparatus Rank	When @ResultType=SCORE  (only for Team Final)
	GA_IRM	Apparatus Rank Equalled	When @ResultType=SCORE  (only for Team Final)
	GA_SCORE	Apparatus IRM	When @ResultType=IRM  (only for Team Final)
		Apparatus Score	When @ResultType=SCORE  (only for Team Final)
ER_GA/GA_REP_IRM		Reported IRM	When @ResultType=IRM
		This is the competitor IRM when all teams have finished the same number of apparatus.	
RE_GA/GA_REP_SCORE		Reported Score	When @ResultType=SCORE
		This is the score when all teams have finished the same number of apparatus.	
RE_GA/GA_REP_RANK		Reported Rank	When @ResultType=SCORE
		This is the rank when all teams have finished the same number of apparatus	
RE_GA/GA_REP_ERANK		Reported Rank Equalled	When @ResultType=SCORE
RE_GA/GA_REP_SORTORDER		Sort order by Reported Rank	When @ResultType=SCORE
ER_GA/GA_PEN_GLOBAL		Team Global Penalty	When @ResultType=SCORE  (only for Team Final)

1 See Codes section for full explanation

The following table describes in more detail the Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element.

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult							
Type	Code	Extension Code	Pos	Value	Description		
ER_GA	GA_ALL_AROUND				For @Type: Send proposed type		
					For @Code: Send proposed code		
					For @Pos: Do not send anything		
					For @Value: Do not send anything		
			GA_RESULT_TYPE			CC @ResultType	For @Type: Send proposed type
		For @Code: Send proposed code					
		For @Pos: Do not send anything					
		For @Value: Send the appropriate code					
			GA_RANK			N(3) 990	For @Type: Send proposed code
		For @Code: Send proposed extension code					
		For @Pos: Do not send anything					
		For @Value: Send the rank of the competitor					
			GA_ERANK			Y/N	For @Type: Send proposed code
		For @Code: Send proposed extension code					
		For @Pos: Do not send anything					
		For @Value: Send Y if the rank is equalled.					
			GA_REP_RANK			N(3) 990	For @Type: Send proposed code
		For @Code: Send proposed extension code					
		For @Pos: Do not send anything					
		For @Value: This is the total rank when all athletes have finished the same number of apparatus.					
			GA_REP_ERANK			Y/N	For @Type: Send proposed code
For @Code: Send proposed extension code							
For @Pos: Do not send anything							
For @Value: Send Y if the total reported rank is equalled.							
	GA_REP_SORTORD			N(3)	For @Type:		

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
		ER		990	Send proposed code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send sort order by total reported rank.
		GA_REP_SCORE		N(3).N(3) 990.000	For @Type: Send proposed code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send the total reported score
		GA_IRM		CC @IRM	For @Type: Send proposed code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send the appropriate code
		GA_SCORE		N(3).N(3) 990.000	For @Type: Send proposed code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send the total Score
		GA_QUALIFIED		CC @Qualification Mark	For @Type: Send proposed code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send Qualification Mark for All Around Final Send only if the athlete get a valid qualification mark
	GA_FLOOR, GA_POMMELHORSE, GA_RINGS, GA_VAULT <sup>1</sup> , GA_VAULT1 <sup>1</sup> , GA_VAULT2 <sup>1</sup> , GA_PARALLELBAR, GA_HORIZONTALBAR, GA_BEAM, GA_UNEVENBARS			S(1)	For @Type: Send proposed code For @Code: Send proposed extension code For @ Pos: Do not send anything For @Value:'Y' Send 'Y' if is the starting apparatus
		GA_RESULT_TYPE		CC @ResultType	For @Type: Send proposed type For @Code:

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the appropriate code for the apparatus
		GA_RANK		N(3) 990	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the rank of the competitor for the apparatus
		GA_ERANK		Y/N	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Y if the rank is equalled.
		GA_IRM		CC @IRM	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the appropriate code for the apparatus
		GA_SCORE		N(3).N(3) 990.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Score for the apparatus
		GA_DIFF		N(2).N(3) 90.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Difficulty Score
		GA_EXEC		N(2).N(3) 90.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos:

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					Do not send anything
					For @Value: Send the Execution Score
		GA_PEN		N(2).N(2) 90.00	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Penalty Score
		GA_QUALIFIED		CC @Qualification Mark	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Qualification Mark for Apparatus Final Send only if the athlete get a valid qualification mark
		GA_DISCARDED		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send Y if the score is discarded for the team score in Team Final

1 See Codes section for full explanation

For the table above, we have the following additional/summary information:

Type / Code	CodeExtension	Description	Expected
ER_GA/GA_ALL_AROUND			(only for All Around)
	GA_RESULT_TYPE	Total Result type	(only for All Around)
	GA_RANK	Total Rank	When @ResultType=SCORE  (only for All Around)
	GA_ERANK	Total Rank Equalled	When @ResultType=SCORE  (only for All Around)
	GA_REP_RANK	Total Reported Rank	When @ResultType=SCORE  (only for All Around Qualification)
	GA_REP_ERANK	Total Reported Rank Equalled	When @ResultType=SCORE  (only for All Around Qualification)
	GA_REP_SORTORDER	Sort order by Total Reported Rank	When @ResultType=SCORE  (only for All Around)

			Qualification)
	GA_REP_SCORE	Total Reported Score	When @ResultType=SCORE  (only for All Around Qualification)
	GA_IRM	Total IRM	When @ResultType=IRM  (only for All Around)
	GA_SCORE	Total Score	When @ResultType=SCORE  (only for All Around)
	GA_QUALIFIED	Send Qualification Mark code for All Aroud Final	When the athlete get a valid qualification mark  (only for All Around Qualification)
ER_GA /GA_FLOOR, ER_GA /GA_POMMELHORSE, ER_GA /GA_RINGS, ER_GA /GA_VAULT <sup>1</sup> , ER_GA /GA_VAULT1 <sup>1</sup> , ER_GA /GA_VAULT2 <sup>1</sup> , ER_GA /GA_PARALLELBAR, ER_GA /GA_HORIZONTALBAR, ER_GA /GA_Beam, ER_GA /GA_UNEVENBARS	GA_RESULT_TYPE	Apparatus Result type	(only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_RANK	Apparatus Rank	When @ResultType=SCORE  (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_ERANK	Apparatus Rank Equalled	When @ResultType=SCORE  (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_IRM	Apparatus IRM	When @ResultType=IRM  (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_SCORE	Apparatus Score	When @ResultType=SCORE  (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_DIFF	Difficulty Score	When @ResultType=SCORE  (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_EXEC	Execution score	When @ResultType=SCORE  (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_PEN	Penalty Score	When @ResultType=SCORE  (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_QUALIFIED	Send Qualification Mark code for Apparatus Final	When the athlete get a valid qualification mark  (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)



	GA_DISCARDED	Flag to indicate if athlete score is discarded for the team score	When @ResultType=SCORE (only for Team Final)
--	--------------	---	--

1 See Codes section for full explanation

**4.1.3.6 Message sort**

Please, follow the general definition.

## 4.1.4 Event Final Ranking

### 4.1.4.1 Description

This message is the Event Final Ranking message as described in the ODF General Messages Interface Document.

### 4.1.4.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the ODF Common Codes document (header values sheet).

### 4.1.4.3 Trigger and Frequency

Please, follow the general definition.

### 4.1.4.4 Message Structure

The optional elements defined for this message in the ODF General Messages Interface Document that should be included in the case of Gymnastics Artistic are:

- Competitor /ExtendedResults /ExtendedResult
- Competitor /Composition /ExtendedResults /ExtendedResult

### 4.1.4.5 Message Values

The following table lists the Event Unit Results optional and/or extended attributes (defined in the ODF General Messages Interface Document), as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Numeric	Rank of the competitor in the corresponding event unit. This attribute is optional because the competitor could get an invalid rank mark.
	RankEqual	O	Y/N	It must send always that the attribute Rank is send, it identify if a rank has been equalled.
	ResultType	M	CC @ResultType	Result type,
	IRM	O	CC @IRM	IRM for the particular event unit  Send just in the case @ResultType is IRM
	Result	O	N(3).N(3) 990.000	Score
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.

The following table describes in more detail the Competitor /ExtendedResults /ExtendedResult element

Element: Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_GA	GA_FLOOR, GA_POMMELHORSE, GA_RINGS, GA_VAULT <sup>1</sup> , GA_VAULT1 <sup>1</sup> , GA_VAULT2 <sup>1</sup> , GA_PARALLELBAR, GA_HORIZONTALBAR,				For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Do not send anything

Element: Competitor /ExtendedResults /ExtendedResult							
Type	Code	Extension Code	Pos	Value	Description		
	GA_BEAM, GA_UNEVENBARS	GA_RESULT_TYPE		CC @ResultType	For @Type: Send proposed type		
					For @Code: Send proposed code		
					For @Pos: Do not send anything		
					For @Value: Send the appropriate code for the apparatus		
		GA_RANK		N(3) 990			For @Type: Send proposed code
							For @Code: Send proposed extension code
							For @Pos: Do not send anything
							For @Value: Send the rank of the competitor for the apparatus
		GA_ERANK				Y/N	For @Type: Send proposed code
							For @Code: Send proposed extension code
							For @Pos: Do not send anything
							For @Value: Send Y if the rank is equalled
		GA_IRM				CC @IRM	For @Type: Send proposed code
							For @Code: Send proposed extension code
							For @Pos: Do not send anything
							For @Value: Send the appropriate code for the apparatus
		GA_SCORE				N(3).N(3) 990.000	For @Type: Send proposed code
							For @Code: Send proposed extension code
							For @Pos: Do not send anything
							For @Value: Send the total Score for the apparatus

1 See Codes section for full explanation

For the table above, we have the following additional/summary information:

Type /Code	CodeExtension	Description	Expected
ER_GA /GA_FLOOR, ER_GA /GA_POMMELHORSE, ER_GA /GA_RINGS, ER_GA /GA_VAULT <sup>1</sup> , ER_GA /GA_VAULT1 <sup>1</sup> , ER_GA /GA_VAULT2 <sup>1</sup> , ER_GA /GA_PARALLELBAR, ER_GA /GA_HORIZONTALBAR, ER_GA /GA_BEAM, ER_GA /GA_UNEVENBARS		Apparatus detailed result	Always
	GA_RESULT_TYPE	Apparatus Result type	Always
	GA_RANK	Apparatus Rank	When @ResultType=SCORE
	GA_ERANK	Apparatus Rank Equalled	When @ResultType=SCORE
	GA_IRM	Apparatus IRM	When @ResultType=IRM
	GA_SCORE	Apparatus Score	When

Type /Code	CodeExtension	Description	Expected
			@ResultType=SCORE

1 See Codes section for full explanation

The following table describes in more detail the Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element.

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult						
Type	Code	Extension Code	Pos	Value	Description	
ER_GA	GA_FLOOR, GA_POMMELHORSE, GA_RINGS, GA_VAULT <sup>1</sup> , GA_VAULT1 <sup>1</sup> , GA_VAULT2 <sup>1</sup> , GA_PARALLELBARS, GA_HORIZONTALBAR, GA_BEAM, GA_UNEVENBARS			S(1)	For @Type: Send proposed code	
					For @Code: Send proposed extension code	
					For @ Pos: Do not send anything	
					For @Value:'Y' Send 'Y' if is the starting apparatus	
		GA_RESULT_TYPE			CC @ResultType	For @Type: Send proposed type
						For @Code: Send proposed code
						For @ Pos: Do not send anything
						For @Value: Send the appropriate code for the apparatus
		GA_RANK			N(3) 990	For @Type: Send proposed code
						For @Code: Send proposed extension code
						For @ Pos: Do not send anything
						For @Value: Send the rank of the competitor for the apparatus
		GA_ERANK			Y/N	For @Type: Send proposed code
						For @Code: Send proposed extension code
						For @ Pos: Do not send anything
						For @Value: Send Y if the rank is equalled
		GA_IRM			CC @IRM	For @Type: Send proposed code
						For @Code: Send proposed extension code
						For @ Pos: Do not send anything
						For @Value: Send the appropriate code for the apparatus
GA_SCORE			N(3).N(3) 90.000	For @Type: Send proposed code		

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Score for the apparatus
		GA_DIFF		N(2).N(3) 90.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Difficulty Score
		GA_EXEC		N(2).N(3) 90.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Execution Score
		GA_PEN		N(2).N(2) 90.00	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Penalty Score

1 See Codes section for full explanation

For the table above, we have the following additional/summary information:

Type /Code	CodeExtension	Description	Expected
ER_GA /GA_FLOOR, ER_GA /GA_POMMELHORSE, ER_GA /GA_RINGS, ER_GA /GA_VAULT <sup>1</sup> , ER_GA /GA_VAULT1 <sup>1</sup> , ER_GA /GA_VAULT2 <sup>1</sup> , ER_GA /GA_PARALLELBAR, ER_GA /GA_HORIZONTALBAR, ER_GA /GA_BEAM, ER_GA /GA_UNEVENBARS	GA_RESULT_TYPE	Apparatus Result type	Always
	GA_RANK	Apparatus Rank	When @ResultType=SCORE
	GA_ERANK	Apparatus Rank Equalled	When @ResultType=SCORE
	GA_IRM	Apparatus IRM	When @ResultType=IRM
	GA_SCORE	Apparatus Score	When @ResultType=SCORE
	GA_DIFF	Difficulty Score	When @ResultType=SCORE
	GA_EXEC	Execution score	When @ResultType=SCORE
	GA_PEN	Penalty Score	When @ResultType=SCORE

1 See Codes section for full explanation

#### 4.1.4.6 Message sort

Please, follow the general definition.

## 4.1.5 Discipline configuration

### 4.1.5.1 Description

This message is the Discipline configuration message as described in the ODF General Messages Interface Document.

### 4.1.5.2 Header Values

Please, follow the general definition.

### 4.1.5.3 Trigger and Frequency

Please, follow the general definition.

### 4.1.5.4 Message Structure

Please, follow the general definition.

### 4.1.5.5 Message Values

Send the attributes and codes according to the tables described in this section.

The following table describes in more detail the Competition /Configs /Config /ExtendedConfig element.

Type	Code	Extended ConfigItem Code	Pos	Value	Description
EC_GA	GA_SUBDIVISION		N(2) 0	DateTime	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos Send numeric from 1 to N for each subdivision
					For @Value: Send the start time of the subdivision
		GA_ROTATION	N(2) 00	Date Time	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos Send two digits: first with the subdivision 1 to N and second with the rotation 1 to N.
					For @Value: Send the start time of the rotation

For the table above, we have the following additional/summary information

Type /Code	ExtendedConfigItem Code	Description	Expected
UC_GA/GA_SUBDIVISION		Cumulative informations about subdivion	Always
	GA_ROTATION	Cumulative information about rotation	Always

### 4.1.5.6 Message sort

Please, follow the general definition.

## 5 Real time

The following chapter describes the ODF-RT part of Gymnastics Artistic.

### 5.1 Real Time Applicable Messages

The next table is a full list of all ODF-RT messages and describes the list of messages used in Gymnastics Artistic the same way as it is done in the table of chapter 4.

Message Type	Message name	Message used in this sport	Message extended in this document
DT_RT_RESULT	RT Event Unit Results	X	X
DT_RT_CUMULATIVE_RESULT	RT Cumulative Results		
DT_RT_CLOCK	RT Clock		
DT_RT_GM	RT Discipline/Venue good morning	X	
DT_RT_GN	RT Discipline/venue good night	X	
DT_RT_KA	RT Discipline/venue keep alive	X	

## 5.1.1 RT Event Unit Results

### 5.1.1.1 Description

This message is the RT Event Unit Results message as described in the ODF General Messages Interface Document.

### 5.1.1.2 Header Values

The ODF header will be sent according to the ODF Common Codes document.

### 5.1.1.3 Trigger and Frequency

The following is the trigger for this message in ODF-RT:

- ResultStatus="LIVE\_UPDATE"
  - T1 When each apparatus score is released:
  - T2: When one rotation is completed
  - T3: When one subdivision is completed
  - T4: When the current competitor changes
  - T5: When the next competitor changes
  - T6: At the beginning of the rotation
- ResultStatus="LIVE\_FULL"
  - This value should be suggested after further testing and sent in the DT\_RT\_GM message after further testing
- For other ResultStatus follow the general definition.

### 5.1.1.4 Message Structure

The optional elements defined for this message in the ODF General Messages Interface Document that should be included in the case of Gymnastics Artistic are:

- UnitInfo
- Competitor /ExtendedResults /ExtendedResult
- Competitor /Composition /ExtendedResults /ExtendedResult

Please, follow the general considerations for all ResultStatus.

In the next section (message values), there is a more detailed definition.

### 5.1.1.5 Message Values

The following table describes in more detail the Result element.



Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
Result	Rank	O	Numeric	Total Rank of the team	T1,T2,T3
	RankEqual	O	Y/N	It must send always that the attribute Rank is send, it identify if a rank has been equalled.	T1,T2,T3
	ResultType	O	CC @ResultType	Result type, either time, distance or IRM for the corresponding event unit	T1,T2,T3
	Result	O	N(3).N(3) 990.000	Result points	T1,T2,T3
	IRM	O	CC @IRM	The invalid rank mark, in case it is assigned	T1,T2,T3
	SortOrder	O	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.	T1,T2,T3

The following table describes in more detail the UnitInfo element in the case of Gymnastics Artistic.

Element: UnitInfo						
Type	Code	Extension Code	Pos	Value	Description	
UI_GA	GA_SUBDIVISION			N(2)	For @Type: Send proposed type	
					For @Code: Send proposed code	
					For @Pos: Do not send anything	
					For @Value: Send the current or the last finished subdivision	
	GA_ROTATION				N(1)	For @Type: Send proposed type
						For @Code: Send proposed code
						For @Pos: Do not send anything
						For @Value: Send the current or the last finished rotation
	GA_TEAM_APP_AFTER				N(1)	For @Type: Send proposed type
For @Code: Send proposed code						
For @Pos: Do not send anything						
For @Value: Send the current number of apparatus that all the teams completed						

For the table above, we have the following additional/summary information:

Type /Code	Description	LIVE_UPDATE RT trigger expected
UI_GA/GA_SUBDIVISION	Apparatus detailed result	T1,T2,T3
UI_GA/GA_ROTATION	Apparatus Result type	T1,T2,T3, T6
UI_GA/ GA_TEAM_APP_AFTER	This field indicates the equal number of apparatus completed by the team.	T1,T2,T3

The following table describes in more detail the Competitor /ExtendedResults /ExtendedResult element

Element: Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_GA	GA_FLOOR, GA_POMMELHORSE, GA_RINGS, GA_VAULT <sup>1</sup> , GA_VAULT1 <sup>1</sup> , GA_VAULT2 <sup>1</sup> , GA_PARALLELBAR, GA_HORIZONTALBAR, GA_BEAM, GA_UNEVENBARS	GA_RESULT_TYPE		CC @ResultType	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the appropriate code for the apparatus
		GA_RANK		N(3) 990	For @Type: Send proposed code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send the rank of the competitor for the apparatus
		GA_ERANK		Y/N	For @Type: Send proposed code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send Y if the rank is equalled.
		GA_IRM		CC @IRM	For @Type: Send proposed code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send the appropriate code for the apparatus
		GA_SCORE		N(3).N(3) 990.000	For @Type: Send proposed code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send the total Score for the apparatus
		GA_REP_IRM		CC @IRM	For @Type: Send proposed code For @Code: Send proposed extension code For @Pos:

Element: Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					Do not send anything
					For @Value: Send the appropriate code for the apparatus This is the competitor IRM when all teams have finished the same number of apparatus.
	GA_REP_SCORE			N(3).N(3) 990.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Reported Score This is the score when all teams have finished the same number of apparatus.
	GA_REP_RANK			N(3) 990	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: This is the rank when all teams have finished the same number of apparatus
	GA_REP_ERANK			Y/N	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Y if the rank is equalled.
	GA_REP_SORTORDER			N(3) 990	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Sort Order by Reported Rank
	GA_PEN_GLOBAL			N(2),N(2)) 90.00	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the penalty deduction.

1 See Codes section for full explanation

For the table above, we have the following additional/summary information:

Type /Code	CodeExtension	Description	LIVE_UPDATE RT trigger expected
ER_GA/ GA_FLOOR,		Apparatus detailed result	T1,T2,T3

GA_POMMELHORSE, GA_RINGS, GA_VAULT <sup>1</sup> , GA_VAULT1 <sup>1</sup> , GA_VAULT2 <sup>1</sup> , GA_PARALLELBAR, GA_HORIZONTALBAR, GA_BEAM, GA_UNEVENBARS			(only for Team Final)
	GA_RESULT_TYPE	Apparatus Result type	T1,T2,T3 (only for Team Final)
	GA_RANK	Apparatus Rank	T1,T2,T3 (only for Team Final)
	GA_ERANK	Apparatus Rank Equalled	T1,T2,T3 (only for Team Final)
	GA_IRM	Apparatus IRM	T1,T2,T3 (only for Team Final)
	GA_SCORE	Apparatus Score	T1,T2,T3 (only for Team Final)
ER_GA/GA_REP_IRM		Reported IRM  This is the competitor IRM when all teams have finished the same number of apparatus.	T1,T2,T3 (only for Team Final)
ER_GA/GA_REP_SCORE		Reported Score  This is the score when all teams have finished the same number of apparatus.	T1,T2,T3 (only for Team Final)
ER_GA/GA_REP_RANK		Reported Rank  This is the rank when all teams have finished the same number of apparatus	T1,T2,T3 (only for Team Final)
ER_GA/GA_REP_ERANK		Reported Rank Equalled	T1,T2,T3 (only for Team Final)
ER_GA/GA_REP_SORTORDER		Sort order by Reported Rank	T1,T2,T3 (only for Team Final)
ER_GA/GA_PEN_GLOBAL		Team Global Penalty	T1,T2,T3 (only for Team Final)

1 See Codes section for full explanation

The following table describes in more detail the Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element.

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult						
Type	Code	Extension Code	Pos	Value	Description	
ER_GA	GA_ALL_AROUND				For @Type: Send proposed type	
					For @Code: Send proposed code	
					For @Pos: Do not send anything	
				For @Value: Do not send anything		
		GA_RESULT_TYPE			CC @ResultType	For @Type: Send proposed type
						For @Code: Send proposed code
					For @Pos: Do not send anything	
					For @Value: Send the appropriate code	
	GA_RANK			N(3) 990	For @Type: Send proposed code	
					For @Code:	

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the rank of the competitor
		GA_ERANK		Y/N	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Y if the rank is equalled.
		GA_REP_RANK		N(3) 990	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: This is the total rank when all athletes have finished the same number of apparatus.
		GA_REP_ERANK		Y/N	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Y if the total reported rank is equalled.
		GA_REP_SORTORDER		N(3) 990	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send sort order by total reported rank.
		GA_REP_SCORE		N(3).N(3) 990.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the total reported score
		GA_IRM		CC @IRM	For @Type: Send proposed code
					For @Code:

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the appropriate code
		GA_SCORE		N(3).N(3) 990.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the total Score
		GA_QUALIFIED		CC @QualificationMark	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Qualification Mark for All Around Final Send only if the athlete get a valid qualification mark
	GA_FLOOR, GA_POMMELHORSE, GA_RINGS, GA_VAULT <sup>1</sup> , GA_VAULT1 <sup>1</sup> , GA_VAULT2 <sup>1</sup> , GA_PARALLELBAR, GA_HORIZONTALBAR, GA_BEAM, GA_UNEVENBARS			S(1)	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value:'Y' Send 'Y' if is the starting apparatus
		GA_RESULT_TYPE		CC @ResultType	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the appropriate code for the apparatus
		GA_RANK		N(3) 990	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the rank of the competitor for the apparatus
		GA_ERANK		Y/N	For @Type: Send proposed code
					For @Code: Send proposed extension code

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Do not send anything
					For @Value: Send Y if the rank is equalled.
		GA_IRM		CC @IRM	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the appropriate code for the apparatus
		GA_SCORE		N(3).N(3) 990.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Score for the apparatus
		GA_DIFF		N(2).N(3) 90.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Difficulty Score
		GA_EXEC		N(2).N(3) 90.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Execution Score
		GA_PEN		N(2).N(2) 90.00	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the Penalty Score
		GA_QUALIFIED		CC @QualificationMark	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Qualification Mark for Apparatus Final

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					Send only if the athlete get a valid qualification mark
		GA_LAST_SCORED		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the appropriate code
		GA_CURRENT		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the appropriate code
		GA_NEXT		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the appropriate code
		GA_DISCARDED		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send Y if the score is discarded for the team score in Team Final

1 See Codes section for full explanation

For the table above, we have the following additional/summary information:

Type / Code	CodeExtension	Description	LIVE_UPDATE RT trigger expected
ER_GA/GA_ALL_AROUND			
	GA_RESULT_TYPE	Total Result type	T1,T2,T3 (only for All Around)
	GA_RANK	Total Rank	T1,T2,T3 (only for All Around)
	GA_ERANK	Total Rank Equalled	T1,T2,T3 (only for All Around)
	GA_REP_RANK	Total Reported Rank	T1,T2,T3 (only for All Around Qualification)
	GA_REP_ERANK	Total Reported Rank Equalled	T1,T2,T3 (only for All Around Qualification)
	GA_REP_SORTORDER	Sort order by Total Reported Rank	T1,T2,T3 (only for All Around Qualification)
	GA_REP_SCORE	Total Reported Score	T1,T2,T3



Type / Code	CodeExtension	Description	LIVE_UPDATE RT trigger expected
			(only for All Around Qualification)
	GA_IRM	Total IRM	T1,T2,T3 (only for All Around)
	GA_SCORE	Total Score	T1,T2,T3
	GA_QUALIFIED	Qualification Mark code for All Around Final	T1,T2,T3 (only for All Around Qualification)
ER_GA /GA_FLOOR, ER_GA /GA_POMMELHORSE, ER_GA /GA_RINGS, ER_GA /GA_VAULT <sup>1</sup> , ER_GA /GA_VAULT1 <sup>1</sup> , ER_GA /GA_VAULT2 <sup>1</sup> , ER_GA /GA_PARALLELBAR, ER_GA /GA_HORIZONTALBAR, ER_GA /GA_Beam, ER_GA /GA_UNEVENBARS	GA_RESULT_TYPE	Apparatus Result type	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_RANK	Apparatus Rank	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_ERANK	Apparatus Rank Equalled	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_IRM	Apparatus IRM	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_SCORE	Apparatus Score	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_DIFF	Difficulty Score	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_EXEC	Execution score	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_PEN	Penalty Score	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_QUALIFIED	Qualification Mark code for Apparatus Final	T1,T2,T3 (only for Apparatus Qualifications)
	GA_CURRENT	Flag to indicate the current gymnast	T4 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_LAST_SCORED	Flag to indicate the last scored gymnast	T1 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_NEXT	Flag to indicate the next gymnast	T5 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GA_DISCARDED	Flag to indicate if athlete score is discarded for the team score	T1,T2,T3 (only for Team Final)

1 See Codes section for full explanation

**5.1.1.6 Message sort**

Please, follow the general definition.

## 6 PDF feed

Please refer to the same section of the ODF General Messages Interface Document.

# DOCUMENT CONTROL

## Version history

Version	Date	Comments
R1 v1.0	2 April 2013	First version SFR
R1 v2.0	19 April 2013	SFA
R1 v2.1	30 April 2013	APP
R1 v2.2	30 June 2014	Minor correction

**File reference:** ODF/INT127 R1 v2.2 APP (GA)

## Change Log

Version	Status	Changes on version
R1 v1.0	SFR	<ul style="list-style-type: none"> <li>First version</li> </ul>
R1 v2.0	SFA	<ul style="list-style-type: none"> <li>Start List: renamed Type in Official /ExtOfficial to EO_OFFICIAL_GA .</li> <li>EU Results / RT EU Results: added elements GA_REP_IRM, GA_REP_SCORE, GA_REP_RANK, GA_REP_ERANK, GA_REP_SORTORDER</li> </ul>
R1 v2.1	APP	<ul style="list-style-type: none"> <li>Approved version</li> </ul>
<b>R1 v2.2</b>	<b>APP</b>	<ul style="list-style-type: none"> <li><b>DT_CONFIG: updated format for GA_ROTATION Pos attribute to two digits</b></li> </ul>



*This page has been intentionally left blank*