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## Olympic Data Feed

### **ODF Gymnastics Artistic Data Dictionary**

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# 1 Introduction

## 1.1 This document

This document includes the ODF Gymnastics Artistic Data Dictionary. This Data Dictionary refines the messages described in the ODF Central Messages Interface Document and ODF Sport Messages Interface Document specifically for Gymnastics Artistic, as well as defines the codes used in these messages.

## 1.2 Objective

The objective of this document is to provide a complete and formal definition of the ODF Gymnastics Artistic Data Dictionary, 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, 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

- **IF** – International Federation
- **IOC** – International Olympic Committee
- **NOC** – National Olympic Committee
- **ODF** – Olympic Data Feed
- **ODF-RT** – Olympic Data Feed Real Time
- **RSC** – Results System Codes
- **GA** – Gymnastics Artistic
- **WNPA** – 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/INT003	ODF Central Messages Interface Document	This document describes the ODF central messages
ODF/INT004	ODF Sport Messages Interface Document	This document describes the ODF sport messages, generated independently by each sport



## 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

The general rules as described in the documents referenced in the section 1.5 will have to be considered for a complete and formal definition. It is especially important the ODF Central Messages Interface Document and ODF Sport Messages Interface Document, since this ODF Gymnastics Artistic Data Dictionary is a particularization of those documents.

In the following sections, for each ODF sport 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 Sport 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
	UNEVENBAR	Uneven Bars
CC @Function	Defined in ODF Common Codes Document See entity MainFunction The entity's attribute to be used is Code	
CC @IRM	Code	Description
	DNS	Did not start
	DNF	Did not finish
	DSQ	Disqualified
CC @Jury	Code	Description
	D1	Difficulty Judge 1
	D2	Difficulty Judge 2





Code Entity	Code Entity Set of Values	
	E1	Execution Judge 1
	E2	Execution Judge 2
	E3	Execution Judge 3
	E4	Execution Judge 4
	E5	Execution Judge 5
	ER1	Execution Reference Judge 1
	ER2	Execution Reference Judge 2
	Line_Judge_1	Line Judge 1
	Line_Judge_2	Line Judge 2
	Time_Judge	Time Judge
	CC @QualificationMark	<b>Code</b>
Q		Qualified
R1		Reserve 1
R2		Reserve 2
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 @RunStatus	<b>Code</b>	<b>Description</b>
	Last_Scored	Last scored athlete
	Current	Current athlete
	Next	Next Athlete



## 4 Gymnastics Artistic Data Extension

### 4.1 General Issues

The following sections extend and complete the information to be sent in each of the messages for this particular discipline, if some particularization is needed. If there are special considerations for any of the message types that have to be sent for this discipline, then they should be considered in the following sections. If nothing is mentioned for a particular message type, then the general rules, as defined either in the ODF Central Messages Interface Document or ODF Sport Messages Interface Document, should be respected for the messages described in the chapter 4 of this document.

#### 4.1.1 ODF header

Regarding to the ODF header values, you should also follow the description in the ODF Central Messages Interface Document or ODF Sport Messages Interface Document. However, the following attributes could be refined for each message type regarding to the header values:

- ODF Header: DocumentCode.

#### 4.1.2 Attributes Definition

The attributes types are explained in the section “5.1.2. Attributes Definition” of the ODF Central Messages Interface Document. Please, refer to that document for further information



## 5 Point in Time

### 5.1 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 either in the ODF Sport Messages Interface Document or ODF Central 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 documented” indicates the document where you should go to have the general definition for a particular 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 documented	Message used in this sport	Message extended in this document
DT_SCHEDULE	Competition schedule	Central	X	
DT_SCHEDULE_UPDATE	Competition schedule update	Central	X	
DT_PARTIC	List of participants by discipline	Central	X	X
DT_PARTIC_UPDATE	List of participants by discipline update	Central	X	X
DT_PARTIC_TEAMS	List of teams	Central	X	
DT_PARTIC_TEAMS_UPDATE	List of teams update	Central	X	
DT_PARTIC_HORSES	List of equestrian horses	Central		
DT_PARTIC_HORSES_UPDATE	List of horses update	Central		
DT_MEDALS	Medal standings	Central	Global	
DT_MEDALLISTS_DAY	Medallists of the day	Central	Global	
DT_HISTORIC_RECORD	Historical records	Central		
DT_HIST_REC_UPDATE	Historical records update	Central		



Message Type	Message name	Message documented	Message used in this sport	Message extended in this document
DT_GLOBAL_GM	Global good morning	Central	Global	
DT_GLOBAL_GN	Global good night	Central	Global	
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	Sports	X	
DT_START_LIST	Start List	Sports	X	X
DT_RESULT	Event Unit Results	Sports	X	X
DT_PHASE_RESULT	Phase Results	Sports		
DT_CUMULATIVE_RESULT	Cumulative Results	Sports		
DT_POOL_STANDING	Pool Standings of group in a team competition	Sports		
DT_RANKING	Event Final ranking	Sports	X	X
DT_STATS	Statistics table	Sports		
DT_MEDALLISTS	Medallists of one event	Sports	X	
DT_RECORD	Records	Sports		
DT_COMMUNICATION	Official Communication	Sports	X	
DT_BRACKETS	Brackets	Sports		
DT_GM	Discipline/venue good morning	Sports	X	
DT_GN	Discipline/venue good night	Sports	X	
DT_FED_RANKING	Federation Ranking	Sports		
DT_CONFIG	Discipline Configuration	Sports	X	X
DT_WEATHER	Event Unit Weather conditions	Sports		
DT_SERIAL	List of Current PiT Serial	Sports	X	



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

### 5.1.1.1 Description

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

### 5.1.1.2 Header Values

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

### 5.1.1.3 Trigger and Frequency

Please, follow the general definition.

### 5.1.1.4 Message Structure

The optional elements defined for this message in the ODF Central 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.

### 5.1.1.5 Message Values

The following table lists the List of athletes by discipline optional attributes (defined in the ODF Central 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	O	String	Athlete's bib number, to be sent mandatory in all the event units

### 5.1.1.6 Message sort

Please, follow the general definition.



## 5.1.2 Start List

### 5.1.2.1 Description

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

### 5.1.2.2 Header Values

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

### 5.1.2.3 Trigger and Frequency

Please, follow the general definition.

### 5.1.2.4 Message Structure

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

- Start /Competitor /Composition /Athlete /EventUnitEntry (for all event units except for relay)

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

### 5.1.2.5 Message Values

The following table lists the Start List optional attributes (defined in the ODF Sport 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 @Function or CC @Jury	For Superior Jury send CC @Function For judges send CC @Jury_@Apparatus
	Order	M	N(1)	Send order according with ORIS

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:



Element: /Officials/Official/ExtOfficial				
Type	Code	Pos	Value	Description
				Send the proposed code 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:

Element: /Officials/Official/ExtOfficial		
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 NOC 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	



Element: Start /Competitor /Composition /Athlete /EventUnitEntry				
Type	Code	Pos	Value	Description
				For @Code: Send proposed code
				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	NOC 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

**5.1.2.6 Message sort**

Please, follow the general definition.





### 5.1.3 Event Unit Results

#### 5.1.3.1 Description

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

#### 5.1.3.2 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).

#### 5.1.3.3 Trigger and Frequency

Please, follow the general definition.

#### 5.1.3.4 Message Structure

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

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

#### 5.1.3.5 Message Values

The following table lists the Event Unit Results optional and/or extended attributes (defined in the ODF Sport 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(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.
	GA_QUALIFIED			CC @Qualificatio nMark	For @Type: Send proposed code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send Qualification Mark for Team Final Send only if the team get a valid qualification mark

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	(only for Team Qualification and Team Final)
	GA_RESULT_TYPE	Apparatus Result type	(only for Team Qualification and Team Final)
	GA_RANK	Apparatus Rank	When @ResultType=SCORE  (only for Team Qualification and Team Final)
	GA_ERANK	Apparatus Rank Equalled	When @ResultType=SCORE  (only for Team Qualification and Team Final)
	GA_IRM	Apparatus IRM	When @ResultType=IRM  (only for Team Qualification and Team Final)
	GA_SCORE	Apparatus Score	When @ResultType=SCORE  (only for Team Qualification and Team Final)
ER_GA/GA_REP_IRM		Reported IRM  This is the competitor IRM when all teams have finished the same number of apparatus.	When @ResultType=IRM  (only for Team Qualification)
RE_GA/GA_REP_SCORE		Reported Score  This is the score when all teams have finished the same number of apparatus.	When @ResultType=SCORE  (only for Team Qualification)



Type /Code	CodeExtension	Description	Expected
RE_GA/GA_REP_RANK		Reported Rank  This is the rank when all teams have finished the same number of apparatus	When @ResultType=SCORE  (only for Team Qualification)
RE_GA/GA_REP_ERANK		Reported Rank Equalled	When @ResultType=SCORE  (only for Team Qualification)
RE_GA/GA_REP_SORTORDER		Sort order by Reported Rank	When @ResultType=SCORE  (only for Team Qualification)
ER_GA/GA_PEN_GLOBAL		Team Global Penalty	When @ResultType=SCORE  (only for Team Qualification and Team Final)
RE_GA/GA_QUALIFIED		Send Qualification Mark code for Team Final	When the team get a valid qualification mark  (only for Team Qualification)

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				
		GA_RANK				N(3) 990
		For @Type: Send proposed code				
		For @Code: Send proposed extension code				
		For @Pos: Do not send anything				
GA_ERANK				Y/N	For @Type: Send proposed code	
For @Code: Send proposed extension						



Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					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: 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



Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					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: 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:



Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					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 @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





Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					score in Team Qualification

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 Apparatus Qualifications and Team, All Around and Apparatus Finals)

1 See Codes section for full explanation

**5.1.3.6 Message sort**

Please, follow the general definition.



## 5.1.4 Event Final Ranking

### 5.1.4.1 Description

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

### 5.1.4.2 Header Values

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

### 5.1.4.3 Trigger and Frequency

Please, follow the general definition.

### 5.1.4.4 Message Structure

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

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

### 5.1.4.5 Message Values

The following table lists the Event Unit Results optional and/or extended attributes (defined in the ODF Sport 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,				For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value:



Element: Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
	GA_HORIZONTALBAR, GA_BEAM, GA_UNEVENBARS				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 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,		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



Type /Code	CodeExtension	Description	Expected
ER_GA /GA_UNEVENBARS	GA _SCORE	Apparatus Score	When @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_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
						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	



Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult						
Type	Code	Extension Code	Pos	Value	Description	
		GA_SCORE		N(3).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 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



**5.1.4.6**

**Message sort**

Please, follow the general definition.



## 5.1.5 Event's Medallists

### 5.1.5.1 Description

This message is the Event's Medallists message as described in the ODF Sport Messages Interface Document.

In the case of Gymnastics Artistic, the message has to be sent for all the competition events, as listed in the header values section.

### 5.1.5.2 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).

### 5.1.5.3 Trigger and Frequency

Please, follow the general definition.

### 5.1.5.4 Message Structure

Please, follow the general definition.

### 5.1.5.5 Message Values

Please, follow the general definition.

### 5.1.5.6 Message sort

Please, follow the general definition.





## **5.1.6 Discipline/venue good morning**

### **5.1.6.1 Description**

This message is the Discipline/venue good morning message as described in the ODF Sport Messages Interface Document.

### **5.1.6.2 Header Values**

The DocumentCode attribute in the ODF header will be sent according to the discipline/venue pairs as described in the ODF Common Codes document.

### **5.1.6.3 Trigger and Frequency**

Please, follow the general definition.

### **5.1.6.4 Message Structure**

Please, follow the general definition.

### **5.1.6.5 Message Values**

Please, follow the general definition.

### **5.1.6.6 Message sort**

Please, follow the general definition.



## **5.1.7 Discipline/venue good night**

### **5.1.7.1 Description**

This message is the Discipline/venue good night message as described in the ODF Sport Messages Interface Document.

### **5.1.7.2 Header Values**

The DocumentCode attribute in the ODF header will be sent according to the discipline/venue pairs as described in the ODF Common Codes document.

### **5.1.7.3 Trigger and Frequency**

Please, follow the general definition.

### **5.1.7.4 Message Structure**

Please, follow the general definition.

### **5.1.7.5 Message Values**

Please, follow the general definition.

### **5.1.7.6 Message sort**

Please, follow the general definition.



**5.1.8 Discipline configuration**

**5.1.8.1 Description**

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

**5.1.8.2 Header Values**

Please, follow the general definition.

**5.1.8.3 Trigger and Frequency**

Please, follow the general definition.

**5.1.8.4 Message Structure**

Please, follow the general definition.

**5.1.8.5 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(1) 0	Date Time	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos Send numeric from 1 to N for each rotation
					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

**5.1.8.6 Message sort**

Please, follow the general definition.



## 6 Real time

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

### 6.1 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 documented	Message used in this sport	Message extended in this document
DT_RT_GM	RT Discipline/Venue good morning	Sports	X	
DT_RT_GN	RT Discipline/venue good night	Sports	X	
DT_RT_KA	RT Discipline/venue keep alive	Sports	X	
DT_RT_RESULT	RT Event Unit Results	Sports	X	X
DT_RT_CUMULATIVE_RESULT	RT Cumulative Results	Sports		



## 6.1.1 RT Event Unit Results

### 6.1.1.1 Description

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

### 6.1.1.2 Header Values

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

### 6.1.1.3 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.

### 6.1.1.4 Message Structure

The optional elements defined for this message in the ODF Sport 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.

### 6.1.1.5 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



Element: Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					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)) 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.
	GA_QUALIFIED			CC @Qualificatio nMark	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Qualification Mark for Team





Element: Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					Final Send only if the team get a valid qualification mark

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, 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		Apparatus detailed result	T1,T2,T3 (only for Team Qualification and Team Final)
	GA_RESULT_TYPE	Apparatus Result type	T1,T2,T3 (only for Team Qualification and Team Final)
	GA_RANK	Apparatus Rank	T1,T2,T3 (only for Team Qualification and Team Final)
	GA_ERANK	Apparatus Rank Equalled	T1,T2,T3 (only for Team Qualification and Team Final)
	GA_IRM	Apparatus IRM	T1,T2,T3 (only for Team Qualification and Team Final)
	GA_SCORE	Apparatus Score	T1,T2,T3 (only for Team Qualification and 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 Qualification)
RE_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 Qualification)
RE_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 Qualification)
RE_GA/GA_REP_ERANK		Reported Rank Equalled	T1,T2,T3 (only for Team Qualification)
RE_GA/GA_REP_SORTORDER		Sort order by Reported Rank	T1,T2,T3 (only for Team Qualification)
ER_GA/GA_PEN_GLOBAL		Team Global Penalty	T1,T2,T3 (only for Team Qualification and Team Final)



RE_GA/GA_QUALIFIED		Send Qualification Mark code for Team Final	T1,T2,T3 (only for Team Qualification)
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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		



Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					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: 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> ,			S(1)	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
	GA_VAULT2 <sup>1</sup> , GA_PARALLELBAR, GA_HORIZONTALBAR, GA_BEAM, GA_UNEVENBARS				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) 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:



Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					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 @QualificationM ark	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_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



Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Value: Send Y if the score is discarded for the team score in Team Qualification

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 (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)



Type / Code	CodeExtension	Description	LIVE_UPDATE RT trigger expected
	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 Apparatus Qualifications)

1 See Codes section for full explanation

**6.1.1.6 Message sort**

Please, follow the general definition.







## DOCUMENT CONTROL

### Version history

Version	Date	Comments
R2 1.0	2 Mar 2009	Submitted for review version
R2 2.0	30 Mar 2009	Submitted for approval version
R2 3.0	27 Apr 2009	Approved version
R2 4.0	22 May 2009	After improvements presented in last WNPA meeting
R2 4.1	17 Jul 2009	Some minor corrections and added the copyright
R2 4.2	28 Jun 2010	Several changes due to development
R2 5.0	11 Mar 2011	Changes after the ORIS meeting
R2 6.0	8 Jul 2011	CR002488 and some corrections
R2 6.1	2 Sep 2011	Defect 45812
R2 6.2	2 Dec 2011	Some corrections and defect 55330
R2 7.0	10 Feb 2012	CR006149, IR0101, Defect 57119
R2 8.0	13 Apr 2012	CR008476 & defects 52470, 69140
<b>R2 8.1</b>	<b>25 May 2012</b>	<b>Defect 72631</b>

**File reference:** ODF/INT036-R2-v8.1 APP (GA)



## Change Log

Version	Status	Changes on version
R2 1.0	SFR	<ul style="list-style-type: none"><li>• First version</li></ul>
R.2 2.0	SFA	<ul style="list-style-type: none"><li>• Codes: Changed 'DQ' to 'DSQ'</li><li>• Codes: 'Panel_A', 'Panel_B' codes deleted, 'Panel_D', 'Panel_E' codes added</li><li>• General: 'Subdivision' format changes to N(2)</li><li>• Start List: 'Bib' attribute changed to Mandatory</li><li>• Start List: 'JudgeOrder' change to Optional</li><li>• Results: Added 'GA_DIFF', 'GA_EXEC' and 'GA_PEN' elements for athletes.</li><li>• Results: Added 'JUDGE_MARKS'</li><li>• Results: Added Tie Break information.</li><li>• Final Ranking: Added 'GA_DIFF', 'GA_EXEC', 'GA_PEN' elements for athletes</li><li>• Final Ranking: Fixed typos</li><li>• RT Results: Added 'GA_EXEC' and 'JUDGES_MARKS' elements</li></ul>
R2 3.0	APP	<ul style="list-style-type: none"><li>• Codes: Corrected typos</li><li>• Start List: 'JudgeOrder' change to Mandatory</li><li>• Start List: Element 'GA_SUB' changed to 'GA_SUBDIVISION'</li><li>• Results: 'GA_EXEC' and 'GA_DIFF' values format changed to N(2).N(3)</li><li>• Results: 'GA_PEN' value format changed to N(2).N(2)</li><li>• Results: 'GA_DEDUCTION_SCORE' value format changed to N(1).N(2)</li><li>• Final Ranking: 'GA_EXEC' and 'GA_DIFF' values format changed to N(2).N(3)</li><li>• Final Ranking: 'GA_PEN' value format changed to N(2).N(2)</li><li>• Final Ranking: 'GA_DEDUCTION_SCORE' value format changed to N(1).N(2)</li><li>• RT Results: 'GA_EXEC' and 'GA_DIFF' values format changed to N(2).N(3)</li><li>• RT Results: 'GA_PEN' value format changed to N(2).N(2)</li><li>• RT Results: 'GA_DEDUCTION_SCORE' value format changed to N(1).N(2)</li><li>• RT Results: Added elements 'GA_LOW_MARK_@Judge' and 'GA_HIGH_MARK_@Judge'</li></ul>
R2 4.0	APP	<ul style="list-style-type: none"><li>• Delete all references to the DT_PARTIC_ATHLETES, DT_PARTIC_ATHLETES_UPDATE, DT_PARTIC_OFFICIALS, DT_PARTIC_OFFICIALS_UPDATE, DT_PARTIC_HISTORIC, DT_TEAM_HISTORIC messages</li><li>• Include four new messages DT_PARTIC, DT_PARTIC_UPDATE, DT_HIST_REC_UPDATE and DT_WEATHER.</li></ul>
R2 4.1	APP	<ul style="list-style-type: none"><li>• Some minor corrections and added the copyright</li></ul>
R2 4.2	APP	<ul style="list-style-type: none"><li>• Start List: Added GA_IRM, GA_ROTATION and GA_ORDER elements</li><li>• RT EU Results: Added GA_TEAM_APP_AFTER</li><li>• RT EU Results: Reordered results information for teams</li><li>• RT EU Results: Added GA_LAST_SCORED, GA_CURRENT, GA_NEXT</li><li>• RT EU Results: Added GA_HIGH_MARK, GA_LOW_MARK, GA_TEAM_RANK and GA_TEAM_RES</li><li>• RT EU Results: Added GA_RANK_EQUAL and GA_TEAM_RANK_EQUAL elements</li><li>• EU Results: Added GA_RANK_EQUAL elements</li><li>• Event final Ranking: Added GA_RANK_EQUAL elements</li></ul>
R2 5.0	APP	<ul style="list-style-type: none"><li>• IR03: Bib attribute in List of participants and Start List messages changed from Numeric to String</li><li>• Codes: added a reference for the format details</li><li>• General: update the Y/N values</li><li>• General: renamed GR_RANK_EQUAL, GR_TEAM_RANK_EQUAL attributes to GR_ERANK, GR_TEAM_ERANK</li><li>• Merge EU Results and RT EU Results data: added GA_TEAM_RANK, GA_TEAM_ERANK and GA_TEAM_RES to EU Results</li></ul>



## Change Log

Version	Status	Changes on version
		<ul style="list-style-type: none"><li>• EU Results: removed GA_JUDGE_MARK</li><li>• RT EU Results: removed GA_JUDGE_MARK, GA_HIGH_MARK, GA_LOW_MARK</li><li>• Codes: added @QualificationMark codes</li><li>• Codes: removed @JudgePos and added @Function and @Jury codes</li><li>• Start List: Officials /Official replaced CC @JudgePos with CC @Function or CC @Jury</li><li>• Start List: added GA_JURY to Officials /Official / ExtOfficial</li><li>• List of participants: defined MainFuncionId values</li></ul>



## Change Log

Version	Status	Changes on version
R2 6.0	APP	<ul style="list-style-type: none"><li>• Codes: renamed Rings Supervisor code from SUP_R to SUP_SR</li><li>• Codes: renamed Beam Supervisor code from SUP_B to SUP_BB</li><li>• Codes: updated CC @Apparatus codes to uppercase</li><li>• Start List: removed EUE_GA /CC @Apparatus in additional/summary table</li><li>• General: replaced GA_@Apparatus references with it corresponding apparatus codes GA_FLOOR, GA_POMMEL_HORSE, GA_RINGS, GA_VAULT, GA_VAULT1, GA_VAULT2, GA_PARALLEL_BARS, GA_HORIZONTAL_BAR, GA_BEAM, GA_UNEVEN_BARS</li><li>• Result / RT Result: Added elements:GA_REP_IRM,GA_REP_SCORE, GA_TEAM_REP_IRM</li><li>• EU Results / RT EU Results: Renamed elements: GA_TEAM_REP_RANK, GA_TEAM_REP_ERANK, GA_TEAM_REP_RES</li><li>• CR002488: removed all Tie Break data</li><li>• RT EU Results: GA_LAST_SCORED, GA_CURRENT and GA_NEXT should be send at apparatus level</li><li>• EU Results / RT EU Results: removed QualificationMark from Result element and added GA_QUALIFIED as Extended Result for Competitor and as ExtendedResult/Extension for Athlete/GA_TOTAL and Athlete/Apparatus</li><li>• RT EU Results: added T4 and T5 triggers and updated trigger expected for GA_CURRENT, GA_LAST_SCORED and GA_NEXT</li><li>• Moved Document Control section to the end of the document</li><li>• RT EU Results: updated comments about ResultStatus</li></ul>
R2 v6.1	APP	<ul style="list-style-type: none"><li>• Defect 45812: RT EU Results: added trigger at the beginning of the rotation to send the attribute GA_ROTATION at this moment</li></ul>
R2 v6.2	APP	<ul style="list-style-type: none"><li>• Codes: added clarification for VAULT, VAULT1 and VAULT2 CC @Apparatus codes</li><li>• Start List: added note for the use of VAULT1 code in vault apparatus</li><li>• Codes: removed underscores in CC @Apparatus codes for POMMEL_HORSE, PARALLEL_BARS, HORIZONTAL_BARS and UNEVEN_BARS</li><li>• EU Results / RT EU Results:<ul style="list-style-type: none"><li>- For teams: added ExtendedResults GA_REP_RANK, GA_REP_ERANK, GA_REP_SORTORDER codes</li><li>- For athletes: renamed GA_TOTAL to GA_ALL_AROUND</li><li>- For athletes: added Extension codes GA_REP_RANK, GA_REP_ERANK, GA_REP_SORTORDER, GA_REP_SCORE</li><li>- For teams: added Extended Result GA_PEN_GLOBAL</li></ul></li><li>• Defect 55330: Start List: removed Start /Competitor /EventUnitEntry for teams</li><li>• Section 5.1: removed mark in DT_RECORD message</li></ul>
R2 v7.0	APP	<ul style="list-style-type: none"><li>• CR006149: EU Results / RT EU Results:<ul style="list-style-type: none"><li>- For teams and athletes: removed Extension codes GA_REP_IRM and GA_REP_SCORE</li><li>- For athletes: removed ExtendedResult codes GA_TEAM_REP_RANK, GA_TEAM_REP_ERANK, GA_TEAM_REP_RES and GA_TEAM_REP_IRM</li></ul></li><li>• IR0101: Add DT_SERIAL message in the PiT messages</li><li>• Defect 57119: EU Results / RT EU Results: added GA_DISCARDED Extension code for Team Qualification</li><li>• Start List: send CC@Jury_@Apparatus for Official /Official Function</li></ul>
R2 v8.0	APP	<ul style="list-style-type: none"><li>• CR008476: EU Results / RT EU Results: specified for which events are needed each ExctendedResult and Extension codes</li><li>• Defect 52470: All references to values for CC@Function in DT_PARTIC have been removed.</li><li>• Defect 69140: Participant /Discipline @InternationalFederationId attribute has been added in List of participants by discipline.</li></ul>



## Change Log

Version	Status	Changes on version
R2 v8.1	APP	<ul style="list-style-type: none"><li>Defect 72631: EU Results / RT EU Results: GA_REP_RANK, GA_REP_ERANK, GA_REP_SORTORDER and GA_REP_SCORE in GA_ALL_AROUND Extended Result only apply for All Around Qualification</li><li>EU Results / RT EU Results: clarified that apparatus Extended Results should be send for Team, All Around and Apparatus Fiinals.</li></ul>



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