Olympic Data Feed

ODF Gymnastics Rhythmic Data Dictionary for the XX Commonwealth Games

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Technology and Information Department

INTERNATIONAL OLYMPIC COMMITTEE
Château de Vidy, 1007 Lausanne, Switzerland, Tel. +41 21 621 6111 / Fax +41 21 621 6216 / www.olympic.org

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

1.5 Related Documents

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

	Document	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 Rhythmic 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 Rhythmic.

Any ODF Gymnastics Rhythmic 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**
	BALL	Ball
	HOOP	Hoop
	CLUBS	Clubs
	RIBBON	Ribbon
CC @Function	Defined in ODF Common Codes Document See entity Function • The entity's attribute to be used is Code	
CC @IRM	**Code**	**Description**
	DNS	Did not start
	DSQ	Disqualified
CC @QualificationMark	**Code**	**Description**
	Q	Qualified
	R1	Reserve 1
	R2	Reserve 2
	R3	Reserve 3
	R4	Reserve 4
CC @ResultType	**Code**	**Description**
	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. • The Attribute to be used is ID	
CC @RunStatus	**Code**	**Description**
	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 Rhythmic, 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 Rhythmic 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 Rhythmic, 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 Rhythmic 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 Rhythmic, 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	Send the order of competitor in the rotation
Start /Competitor/Composition/Athlete	Order	M	Numeric	To send but not to be used
	Bib	O	String	Athlete Bib Number
Officials/Official	Code	M	S(20) with no leading zeroes	Official ID
	Function	M	CC @ResultsFunction	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 element in the case of Gymnastics Rhythmic.

Element: /Officials/Official/ExtOfficial				
Type	**Code**	**Pos**	**Value**	**Description**
EO_GR	GR_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**
	GR_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_GR /GR_APPARATUS	Jury Apparatus	When the judge is assigned to an apparatus
EO_GR /GR_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_GR	GR_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
	GR_ROTATION	N(1)	CC@Apparatus	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Send the rotation number
				For @Value: Send the apparatus of the rotation for the competitor
	GR_ORDER	N(1)	N(3)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : 1..N Send the rotation number
				For @Value: Send the order
	GR_MUSIC_LENGTH	N(1)	M:SS	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : 1..N Send the rotation number
				For @Value: Send the music length(time) for this apparatus
	GR_MUSIC_TITLE	N(1)	Text	For @Type:

				Send proposed type
				For @Code: Send proposed code
				For @Pos : 1..N Send the rotation number
				For @Value: Send the music title for this apparatus
	GR_MUSIC_AUTHOR	N(1)	Text	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : 1..N Send the rotation number
				For @Value: Send the music author for this apparatus

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

Type /Code	Description	Expected
EUE_GR/GR_IRM	Invalid Result Mark	When applies
EUE_GR/GR_ROTATION	Rotation number and apparatus	Always
EUE_GR /GR_ORDER	Apparatus Order	Always
EUE_GR/GR_MUSIC_LENGTH	Music Length	Always
EUE _GR/GR_MUSIC_TITLE	Music title	Always
EUE_GR/GR_MUSIC_AUTHOR	Music Author	Always

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, taking also into account the following

- After each Rotation finishes (ResultStatus = ”INTERIM”)
- After all Rotations have finished (ResultStatus = “UNOFFICIAL”)
- After the Result is Approved (ResultStatus = “OFFICIAL”)

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 Rhythmic are:

- UnitInfo
- Competitor /ExtendedResults /ExtendedResult
- Competitor /Composition /Athlete /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(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 UnitInfo element in the case of Gymnastics Rhythmic.

Element: UnitInfo				
Type	**Code**	**Pos**	**Value**	**Description**

Element: UnitInfo				
Type	**Code**	**Pos**	**Value**	**Description**
UI_GR	GR_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
	GR_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_GR/GR_SUBDIVISION	Current or last finished subdivision	Always
UI_GR/GR_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 _GR	GR_BALL GR_CLUBS GR_HOOP GR_RIBBON				For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Do not send anything
		GR_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
		GR_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
		GR_ERANK		Y/N	For @Type:

Element: Competitor /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
					Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Y if the rank is equalled.
		GR_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
		GR_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
	GR_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.
	GR_POINTS_BEHIND		N(2) 90	String	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Send the rank number
					For @Value: Send the points behind or "-" if not points behind
	GR_TOTAL_AFTER		N(1) 0	N(3).N(3) 000.000	For @Type: Send proposed code
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: Send the points after the rotation indicated in the position
	GR_TOTAL_AFTER_RANK		N(1) 0	N(2) 90	For @Type: Send proposed code
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: Send the rank after the rotation indicated in the position
	GR_TOTAL_AFTER_ERA		N(1)	Y/N	For @Type:

Element: Competitor /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
	NK		0		Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: It must send always that the element TOTAL_AFTER_RANK is send. Send Y if the rank is equalled.
	GR_AT_ROTATION		N(1) 0	N(2) 90	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the number of rotations completed by this team

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

Type /Code	CodeExtension	Description	Expected
ER_GR /GR_BALL ER_GR /GR_CLUBS ER_GR /GR_HOOP ER_GR /GR_RIBBON		Apparatus detailed result	(only for Team Final)
	GR_RESULT_TYPE	Apparatus Result type	(only for Team Final)
	GR_RANK	Apparatus Rank	When @ResultType=SCORE (only for Team Final)
	GR_ERANK	Apparatus Rank Equalled	When @ResultType=SCORE (only for Team Final)
	GR_IRM	Apparatus IRM	When @ResultType=IRM (only for Team Final)
	GR_SCORE	Apparatus Score	When @ResultType=SCORE (only for Team Final)
ER_GR/GR_PEN_GLOBAL		Team Global Penalty	When @ResultType=SCORE (only for Team Final)
ER_GR/GR_POINTS_BEHIND		Points behind the top three ranked competitors Pos=1 Points behind first Pos=2 Points behind second Pos=3 Points behind third For Qualification also send points behind the last qualified: Pos=x Points behind last qualified, where x is the last qualified rank (not needed for Finals) Send "-" if not points behind	When @ResultType=SCORE (only for Team Final)
ER_GR/GR_TOTAL_AFTE		Total points after the rotation indicated in	When

Type /Code	CodeExtension	Description	Expected
R		the position.	@ResultType=SCORE (only for Team Final)
ER_GR/GR_TOTAL_AFTER_RANK		Total rank after the rotation indicated in the position	When @ResultType=SCORE (only for Team Final)
ER_GR/GR_TOTAL_AFTER_ERANK		Send Y if the rank indicated in TOTAL_AFTER_RANK is equalled.	When @ResultType=SCORE (only for Team Final)
ER_GR/ GR_AT_ROTATION		Send the number of rotations completed by this team	(only for Team Final)

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_GR	GR_ALL_AROUND				For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Do not send anything
		GR_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
		GR_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
		GR_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.
		GR_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
		GR_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
		GR_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
	GR_BALL GR_CLUBS GR_HOOP GR_RIBBON			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
		GR_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
		GR_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
		GR_ERANK		Y/N	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 Y if the rank is equalled.
		GR _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
		GR _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
		GR_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
		GR_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
		GR_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
		GR_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
	GR_POINTS_BEHIND		N(2)	String	For @Type:

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
			90		Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Send the rank number
					For @Value: Send the points behind or "-" if not points behind
	GR_TOTAL_AFTER		N(1) 0	N(3).N(3) 000.000	For @Type: Send proposed code
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: Send the points after the rotation indicated in the position
	GR_TOTAL_AFTER_RANK		N(1) 0	N(2) 90	For @Type: Send proposed code
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: Send the rank after the rotation indicated in the position
	GR_TOTAL_AFTER_ERANK		N(1) 0	Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: It must send always that the element _TOTAL_AFTER_RANK is send. Send Y if the rank is equalled.
	GR_AT_ROTATION		N(1) 0	N(2) 90	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the number of rotations completed by this athlete

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

Type / Code	CodeExtension	Description	Expected
ER_GR /GR_ALL_AROUND			(only for All Around)
	GR_RESULT_TYPE	Total Result type	(only for All Around)
	GR_RANK	Total Rank	When @ResultType=SCORE

			(only for All Around)
	GR_ERANK	Total Rank Equalled	When @ResultType=SCORE (only for All Around)
	GR_IRM	Total IRM	When @ResultType=IRM (only for All Around)
	GR_SCORE	Total Score	When @ResultType=SCORE (only for All Around)
	GR_QUALIFIED	Send Qualification Mark code for All Aroud Final	When the athlete get a valid qualification mark (only for All Around Qualification)
ER_GR /GR_BALL ER_GR /GR_CLUBS ER_GR /GR_HOOP ER_GR /GR_RIBBON	GR_RESULT_TYPE	Apparatus Result type	(only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_RANK	Apparatus Rank	When @ResultType=SCORE (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_ERANK	Apparatus Rank Equalled	When @ResultType=SCORE (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_IRM	Apparatus IRM	When @ResultType=IRM (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_SCORE	Apparatus Score	When @ResultType=SCORE (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_DIFF	Difficulty Score	When @ResultType=SCORE (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_EXEC	Execution score	When @ResultType=SCORE (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_PEN	Penalty Score	When @ResultType=SCORE (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_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)

ER_GR/GR_POINTS_BEHIND		Points behind the top three ranked competitors Pos=1 Points behind first Pos=2 Points behind second Pos=3 Points behind third For Qualification also send points behind the last qualified: Pos=x Points behind last qualified, where x is the last qualified rank (not needed for Finals) Send "-" if not points behind	When @ResultType=SCORE
ER_GR/GR_TOTAL_AFTER		Total points after the rotation indicated in the position.	When @ResultType=SCORE
ER_GR/GR_TOTAL_AFTER_RANK		Total rank after the rotation indicated in the position	When @ResultType=SCORE
ER_GR/GR_TOTAL_AFTER_ERANK		Send Y if the rank indicated in TOTAL_AFTER_RANK is equalled.	When @ResultType=SCORE
ER_GR/ GR_AT_ROTATION		Send the number of rotations completed by this athlete	Always

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 Rhythmic are:

- Competitor /ExtendedResults /ExtendedResult
- Competitor /Composition /Athlete /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_GR	GR_BALL GR_CLUBS GR_HOOP GR_RIBBON				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**
		GR_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
		GR_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
		GR_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
		GR_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
		GR_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

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

Type /Code	CodeExtension	Description	Expected
ER_GR /GR_BALL ER_GR /GR_CLUBS ER_GR /GR_HOOP ER_GR /GR_RIBBON		Apparatus detailed result	Always
	GR_RESULT_TYPE	Apparatus Result type	Always
	GR_RANK	Apparatus Rank	When @ResultType=SCORE
	GR_ERANK	Apparatus Rank Equalled	When @ResultType=SCORE
	GR_IRM	Apparatus IRM	When @ResultType=IRM
	GR_SCORE	Apparatus Score	When @ResultType=SCORE

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_GR	GR_BALL GR_CLUBS GR_HOOP GR_RIBBON			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
		GR_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
		GR_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
		GR_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
		GR_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
		GR_SCORE		N(3).N(3) 990.000	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 Score for the apparatus
		GR_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
		GR_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
		GR_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

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

Type /Code	**CodeExtension**	**Description**	**Expected**
ER_GR /GR_BALL ER_GR /GR_CLUBS ER_GR /GR_HOOP ER_GR /GR_RIBBON			
	GR_RESULT_TYPE	Apparatus Result type	Always
	GR_RANK	Apparatus Rank	When @ResultType=SCORE
	GR_ERANK	Apparatus Rank Equalled	When @ResultType=SCORE
	GR_IRM	Apparatus IRM	When @ResultType=IRM
	GR_SCORE	Apparatus Score	When @ResultType=SCORE
	GR_DIFF	Difficulty Score	When @ResultType=SCORE
	GR_EXEC	Execution score	When @ResultType=SCORE
	GR_PEN	Penalty Score	When @ResultType=SCORE

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_GR	GR_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
		GR_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
EC_GR/GR_SUBDIVISION		Cumulative information about subdivision	Always
	GR_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 Rhythmic.

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 Rhythmic 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	X	X
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 Rhythmic are:

- UnitInfo
- Competitor /ExtendedResults /ExtendedResult
- Competitor /Composition /Athlete /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 Rhythmic.

Element: UnitInfo					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
UI_GR	GR_SUBDIVISION			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 subdivision
	GR_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

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

Type /Code	Description	LIVE_UPDATE RT trigger expected
UI_GR /GR_ SUBDIVISION	Apparatus detailed result	T1,T2,T3
UI_GR /GR_ROTATION	Apparatus Result type	T1,T2,T3,T6

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

Element: Competitor /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
ER _GR	GR_BALL GR_CLUBS GR_HOOP GR_RIBBON	GR_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
		GR_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
		GR_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.
		GR_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
		GR_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
	GR_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.
	GR_POINTS_BEHIND		N(2) 90	String	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Send the rank number
					For @Value: Send the points behind or "-" if not points behind

Element: Competitor /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
	GR_TOTAL_AFTER		N(1) 0	N(3).N(3) 000.000	For @Type: Send proposed code
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: Send the points after the rotation indicated in the position
	GR_TOTAL_AFTER_RANK		N(1) 0	N(2) 90	For @Type: Send proposed code
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: Send the rank after the rotation indicated in the position
	GR_TOTAL_AFTER_ERANK		N(1) 0	Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: It must send always that the element_TOTAL_AFTER_RANK is send. Send Y if the rank is equalled, otherwise send N.
	GR_AT_ROTATION		N(1) 0	N(2) 90	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the number of rotations completed by this team

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

Type /Code	CodeExtension	Description	LIVE_UPDATE RT trigger expected
ER_GR /GR_BALL ER_GR /GR_CLUBS ER_GR /GR_HOOP ER_GR /GR_RIBBON		Apparatus detailed result	T1,T2,T3 (only for Team Final)
	GR_RESULT_TYPE	Apparatus Result type	T1,T2,T3 (only for Team Final)
	GR_RANK	Apparatus Rank	T1,T2,T3 (only for Team Final)
	GR_ERANK	Apparatus Rank Equalled	T1,T2,T3 (only for Team Final)
	GR_IRM	Apparatus IRM	T1,T2,T3 (only for Team Final)
	GR_SCORE	Apparatus Score	T1,T2,T3 (only for Team Final)
ER_GR /GR_PEN_GLOBAL		Team Global Penalty	T1,T2,T3 (only for Team Final)
ER_GR/GR_POINTS_BEHIN		Points behind the top three ranked	T1,T2,T3

D		competitors Pos=1 Points behind first Pos=2 Points behind second Pos=3 Points behind third For Qualification also send points behind the last qualified: Pos=x Points behind last qualified, where x is the last qualified rank (not needed for Finals) Send "-" if not points behind	(only for Team Final)
ER_GR/GR_TOTAL_AFTER		Total points after the rotation indicated in the position.	When @ResultType=SCORE (only for Team Final)
ER_GR/GR_TOTAL_AFTER_RANK		Total rank after the rotation indicated in the position	When @ResultType=SCORE (only for Team Final)
ER_GR/GR_TOTAL_AFTER_ERANK		Send Y if the rank indicated in TOTAL_AFTER_RANK is equalled, otherwise send N.	When @ResultType=SCORE
ER_GR/ GR_AT_ROTATION		Send the number of rotations completed by this team	T1,T2,T3 (only for Team Final)

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_GR	GR_CURRENT			Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the Y if the competitor is the current, otherwise send N.
	GR_LAST_SCORED			Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the Y if the competitor is the last scored, otherwise send N.
	GR_NEXT			Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the Y if the competitor is the next, otherwise send N.
	GR_ALL_AROUND				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: Do not send anything
		GR_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
		GR_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
		GR_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.
		GR_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
		GR_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
		GR_QUALIFIED		CC @QualificationMark	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
					For @Value: Send Qualification Mark for All Around Final Send only if the athlete get a valid qualification mark
	GR_BALL GR_CLUBS GR_HOOP GR_RIBBON			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
		GR_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
		GR_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
		GR_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.
		GR_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
		GR_SCORE		N(3).N(3) 990.000	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
					For @Value: Send the Score for the apparatus
		GR_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
		GR_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
		GR_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
		GR_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 Send only if the athlete get a valid qualification mark
	GR_POINTS_BEHIND		N(2) 90	String	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Send the rank number
					For @Value: Send the points behind or "-" if not points behind
	GR_TOTAL_AFTER		N(1) 0	N(3).N(3) 000.000	For @Type: Send proposed code
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: Send the points after the rotation indicated in the position

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
	GR_TOTAL_AFTER_RANK		N(1) 0	N(2) 90	For @Type: Send proposed code
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: Send the rank after the rotation indicated in the position
	GR_TOTAL_AFTER_ERANK		N(1) 0	Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the rotation number
					For @Value: It must send always that the element _TOTAL_AFTER_RANK is send. Send Y if the rank is equalled, otherwise send N.
	GR_AT_ROTATION		N(1) 0	N(2) 90	For @Type: Send proposed code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send the number of rotations completed by this athlete

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

Type / Code	**CodeExtension**	**Description**	**LIVE_UPDATE RT trigger expected**
ER_GR /GR_CURRENT		Y if the competitor is the current, otherwise send N	T4
ER_GR /GR_LAST_SCORED		Y if the competitor is the last scored, otherwise send N	T1
ER_GR /GR_NEXT		Y if the competitor is the next, otherwise send N	T5
ER_GR /GR_ALL_AROUND			
	GR_RESULT_TYPE	Total Result type	T1,T2,T3 (only for All Around)
	GR_RANK	Total Rank	T1,T2,T3 (only for All Around)
	GR_ERANK	Total Rank Equalled	T1,T2,T3 (only for All Around)
	GR_IRM	Total IRM	T1,T2,T3 (only for All Around)
	GR_SCORE	Total Score	T1,T2,T3
	GR_QUALIFIED	Qualification Mark code for All Around Final	T1,T2,T3 (only for All Around Qualification)

Type / Code	CodeExtension	Description	LIVE_UPDATE RT trigger expected
ER_GR /GR_BALL ER_GR /GR_CLUBS ER_GR /GR_HOOP ER_GR /GR_RIBBON	GR_RESULT_TYPE	Apparatus Result type	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_RANK	Apparatus Rank	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_ERANK	Apparatus Rank Equalled	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_IRM	Apparatus IRM	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_SCORE	Apparatus Score	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_DIFF	Difficulty Score	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_EXEC	Execution score	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_PEN	Penalty Score	T1,T2,T3 (only for Apparatus Qualifications and Team, All Around and Apparatus Finals)
	GR_QUALIFIED	Qualification Mark code for Apparatus Final	T1,T2,T3 (only for Apparatus Qualifications)
ER_GR/GR_POINTS_BEHIND		Points behind the top three ranked competitors Pos=1 Points behind first Pos=2 Points behind second Pos=3 Points behind third For Qualification also send points behind the last qualified: Pos=x Points behind last qualified, where x is the last qualified rank (not needed for Finals) Send "-" if not points behind	T1,T2,T3
ER_GR/GR_TOTAL_AFTER		Total points after the rotation indicated in the position.	When @ResultType=SCORE
ER_GR/GR_TOTAL_AFTER_RANK		Total rank after the rotation indicated in the position	When @ResultType=SCORE
ER_GR/GR_TOTAL_AFTER_ERANK		Send Y if the rank indicated in TOTAL_AFTER_RANK is equalled, otherwise send N.	When @ResultType=SCORE
ER_GR/ GR_AT_ROTATION		Send the number of rotations completed by this athlete	T1,T2,T3

5.1.1.6 Message sort

Please, follow the general definition.

5.1.2 RT Cumulative Results

5.1.2.1 Description

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

This message will be used to send current, next and last scored competitors in Qualification event. In this case, the DocumentSubtype is used to specify the event unit (Subdivision).

5.1.2.2 Header Values

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

5.1.2.3 Trigger and Frequency

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

- ResultStatus=”LIVE_UPDATE”
  - T1: When the current competitor changes
  - T2: When the next competitor changes
  - T3: When each apparatus score is released

For other ResultStatus follow the general definition.

5.1.2.4 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 Rhythmic are:

- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Please, follow the general considerations for all ResultStatus.

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

5.1.2.5 Message Values

The following table describes in more detail the Result element.

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
CumulativeResult	SortOrder	M	Numeric	Send the order of competitor in the rotation	T1,T2,T3

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_GR	GR_CURRENT			Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value:

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
					Send the Y if the competitor is the current, otherwise send N.
		GR_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
	GR_LAST_SCORED			Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the Y if the competitor is the last scored, otherwise send N.
		GR_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
	GR_NEXT			Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the Y if the competitor is the next, otherwise send N.
		GR_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

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

Type / Code	CodeExtension	Description	LIVE_UPDATE RT trigger expected
ER_GR /GR_CURRENT		Y if the competitor is the current, otherwise send N	T1
	GR_APPARATUS	Apparatus code for the current exercise	T1
ER_GR /GR_LAST_SCORED		Y if the competitor is the last scored, otherwise send N	T3
	GR_APPARATUS	Apparatus code for the last score exercise	T3
ER_GR /GR_NEXT		Y if the competitor is the	T2

Type / Code	CodeExtension	Description	LIVE_UPDATE RT trigger expected
		next, otherwise send N	
	GR_APPARATUS	Apparatus code for the next exercise	T2

5.1.2.6 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	14 June 2013	First version SFR
R1 v1.1	8 July 2013	SFA
R1 v1.2	16 July 2013	APP
R1 v1.3	4 September 2013	Added RT Cumulative Results for Qualification
R1 v1.4	4 October 2013	Minor correction
R1 v1.5	14 November 2013	Minor correction
R1 v1.6	24 February 2014	CR000244

File reference: ODF/INT128 R1 v1.6 APP (GR)

Change Log

Version	Status	Changes on version
R1 v1.0	SFR	• First version
R1 v1.1	SFA	• Submitted for approval
R1 v1.2	APP	• Approved version • Start List: removed GR_RESERVE and GR_NOC and added additional/summary information for GR_ROTATION
R1 v1.3	APP	• Added DT_RT_CUMULATIVE_RESULT message to send current, next and last scored competitors in Qualification.
R1 v1.4	APP	• DT_START_LIST: added GR_ORDER and defined Pos attribute for GR_ROTATION
R1 v1.5	APP	• DT_START_LIST: defined Pos attribute for GR_MUSIC_LENGTH, GR_MUSIC_TITLE and GR_MUSIC_AUTHOR
R1 v1.6	APP	• CR000244: - DT_RESULT / DT_RT_RESULT: added ExtendedResults: GR_AT_ROTATION, GR_TOTAL_AFTER, GR_TOTAL_AFTER_RANK, GR_TOTAL_AFTER_ERANK and GR_POINTS_BEHIND

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