Modifications from London ODF versions are highlighted in <mark>green</mark>

Olympic Data Feed

Baku 2015

ODF Triathlon Data Dictionary

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Technology and Information Department

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1 Introduction

1.1 This document

This document includes the ODF Triathlon Data Dictionary. This Data Dictionary refines the messages described in the ODF1 General Messages Interface Document specifically for Triathlon, 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 Triathlon Data Dictionary, with the intention that the information message producer and the message consumer can successfully interchange the information as the Triathlon 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 News and Press Agencies, Rights Holding Broadcasters and European Sports Federations.

1.4 Glossary

The following abbreviations are used in this document

- **EOC** – European Olympic Committee

- **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

- **TR –** Triathlon

1.5 Related Documents

Document Reference	Document Title	Document Description
ODF/INT401	ODF Principles for the Baku 2015 European Games	This document describes the general technical standards to be used at the European Games in Baku 2105
ODF/COD404	ODF Common Codes	This document describes the ODF codes used across the rest of the ODF documents
ODF/COD405	ODF Header Value	This document details the header values, showing which RSCs are used in which messages
ODF/INT402	ODF1 General Messages Interface Document	This document describes the ODF central and sport messages

2 Overall Perspective

2.1 Objective

The objective of this document is to focus on the formal definition of the ODF Triathlon 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 General Messages Interface Document, since this ODF Triathlon Data Dictionary is a particularization of this document.

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 Triathlon.

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

Please note, that Triathlon ODF is provided as described in the document in an ODF1 format for all the sports messages.

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 Codes Document to know the format of these codes.

Code Entity	Code Entity Set of Values	
CC @IRM	**Code**	**Description**
	DSQ	Disqualified
	DNS	Did not start
	DNF	Did not finish
	LAP	Lapped
CC @ResultType	**Code**	**Description**
	TIME	Time
	IRM	IRM
CC @Segment	**Code**	**Description**
	SWIM	Swim
	BIKE	Bike
	RUN	Run
	TRANS1	Transition 1
	TRANS2	Transition 2

4 Triathlon 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 in the ODF General 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 follow the description in the ODF Principles for the Baku 2015 European Games 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 "Formats used in ODF" of the ODF Principles for the Baku 2015 European Games 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 Triathlon, as well as the category of each message, which identifies if the message structure definition can be found either in the Central Messages or Sport Messages paragraph of 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 "Paragraph 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	Paragraph 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		
DT_PARTIC_TEAMS_UPDATE	List of teams update	Central		
DT_MEDALS	Medal standings	Central	Global (ODF2 format)	
DT_MEDALLISTS_DAY	Medallists of the day	Central	Global (ODF2 format)	
DT_HISTORIC_RECORD	Historical records	Central		

DT_GLOBAL_GM	Global good morning	Central	Global **(ODF2 format)**	
DT_GLOBAL_GN	Global good night	Central	Global **(ODF2 format)**	
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	
DT_STATS	Statistics table	Sports		
DT_MEDALLISTS	Medallists of one event	Sports	X	X
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	Sports	X	
DT_RECORD	Records	Sports		
DT_COMMUNICATION	Official Communication	Sports	X	X
DT_BRACKETS	Brackets	Sports		
DT_GM	Discipline/venue good morning	Sports	X	X
DT_GN	Discipline/venue good night	Sports	X	X
DT_CONFIG	Discipline Configuration	Sports	X	X
DT_WEATHER	Event Unit Weather conditions	Sports	X	
DT_PHOTOFINISH	Photofinish	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 (and the update) as described in the ODF General Messages Interface Document.

5.1.1.2 Header Values

The definition in the ODF1 General Messages Interface Document is valid

5.1.1.3 Trigger and Frequency

The definition in the ODF1 General Messages Interface Document is valid.

5.1.1.4 Message Structure

The optional elements defined for this message in the ODF1 General Messages Interface Document that should be included in the case of Triathlon 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 participants by discipline/ update" optional attributes (defined in the ODF General Messages Interface Document) that are used in the case Triathlon, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Competition /Participant	Height	O	N(3) 999	It will be included if this information is available.
	Birthdate	O	YYYYMMDD	Date of birth.
Competition /Participant /Discipline /RegisteredEvent	Bib	O	S(2)	Shirt number. Although this attribute is optional, it will be updated and informed as soon as this information is known. Example: 8, 10 …

The following table describes in more detail the EventEntry element in the case of Triathlon.

Element: Competition /Participant /Discipline /RegisteredEvent /EventEntry			
Type	Code	Value	Description
E_ENTRY	E_RANK	N(3) 990	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send the Games Qualification Rank

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 General 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

The definition in the ODF1 General Messages Interface Document is valid.

5.1.2.4 Message Structure

The optional elements defined for this message in the ODF1 General Messages Interface Document that should be included in the case of Triathlon are:

- Competition /UnitInfos and its child element UnitInfo

- Start /Competitor /Composition /Athlete /EventUnitEntry

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 General Messages Interface Document) that are used in the case of Triathlon, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Start	SortOrder	M	Numeric	Order by start number
Start /Competitor /Composition /Athlete	Bib	M	S(2)	Athlete start number
	Order	M	Numeric	As there are no teams the order number is always 1.

The following table describes in more detail the Competitor /Composition /Athlete /EventUnitEntry element in the case of Triathlon.

Element: Competitor /Composition /Athlete /EventUnitEntry			
Type	Code	Value	Description
EUE_TR	TR_PONTOON	N(3) 990	For @Type: Send proposed type
			For @Code: Send proposed code for starter players
			For @Value: Send the pontoon position
	TR_IRM	CC@IRM	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send the IRM Code

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

Type /Code	Description	Expected
EUE_TR /TR_PONTOON	Pontoon position	Always
EUE_TR /TR_IRM	IRM Mark	When applies

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 General Messages Interface Document.

5.1.3.2 Header Values

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

5.1.3.3 Trigger and Frequency

Please, follow the general definition, taking also into account the following

Intermediate:

- o After last competitor has finished the swim segment (ResultStatus = "INTERMEDIATE")

- o After last competitor has finished the bike segment (ResultStatus = "INTERMEDIATE")

Official:

- o After the last athlete has completed the race

5.1.3.4 Message Structure

The optional elements defined for this message in the ODF1 General Messages Interface Document that should be included in the case of Triathlon are:

- UnitDateTime (following the general rules for this element)

- UnitInfo

- Competitor /Composition /Athlete /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 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.
	RankEqual	O	S(1)	Send Y in case of the Rank has been equalled.
	ResultType	M	CC @ResultType	Result type.
	IRM	O	CC @IRM	IRM for the event unit. Send just in the case @ResultType is IRM (see codes section)
	Result	O	HH:MM:SS.tt 99:99:90.00	Result for the particular event unit.

	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 Triathlon.

Element: UnitInfo					
Type	Code	Extension Code	Pos	Value	Description
UI_RESULTS	TR_TOTAL_PARTICIPANTS			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the total participating athletes
	TR_FINISHED_PARTICIPANTS			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the participating athletes that have completed the current segment
	TR_CURR_SEGMENT			CC @Segment	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the current segment

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

Type /Code	Description	Expected
UI_RESULTS /TR_TOTAL_PARTICIPANTS	Send the total number of athletes that participates in the event	Always
UI_RESULTS /TR_FINISHED_PARTICIPANTS	Send the number of athletes that has finished the current segment	Always
UI_RESULTS /TR_CURR_SEGMENT	Send the current segment	Always

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

Element: Result/Competitor/Composition/Athlete/ExtendedResults/ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_TR	TR_PHOTO			S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: To know if the competitor's final result was decided by photo. Send Y for Evaluated Status and P for Pending Status for the Foto finish
	TR_PENALTIES			N(1) 9	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send number of penalties given
	TR_SEGMENT_@Segment			H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the time from the start of the race
		TR_TIME_SPLIT		H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the time of the segment
		TR_RANK		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the cumulative rank
		TR_ERANK		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the rank is equalled, otherwise 'N'
		TR_RANK_SPLIT		N(3) 990	For @Type: Send proposed type

Element: Result/Competitor/Composition/Athlete/ExtendedResults/ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the rank at this segment
		TR_ERANK_SPLIT		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the rank (value for TR_RANK_SPLIT) is equalled, otherwise 'N'
		TR_DIFF		H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the time behind the first at the segment
		TR_IDX		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the total result order from start of the race to this segment
		TR_IDX_SPLIT		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the result order within this segment
	TR_LAP_@Segment		N(2) 90	H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the split number
					For @Value: Send the time of the lap
		TR_TIME_SPLIT		H:MM:SS:mmm	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the time from start of the segment

Element: Result/Competitor/Composition/Athlete/ExtendedResults/ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
		TR_TIME_START		H:MM:SS:mmm	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the time from the start of the race
		TR_RANK_START		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the total rank
		TR_ERANK_START		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the total rank is equalled, otherwise 'N'
		TR_RANK		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the lap rank
		TR_ERANK		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the lap rank is equalled, otherwise 'N'
		TR_DIFF		H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the lap time behind the first
		TR_DIFF_START		H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the total time (from start of the race) behind the leader

Element: Result/Competitor/Composition/Athlete/ExtendedResults/ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
		TR_IDX_START		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the total result order from start of the race to this segment

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

Type /Code /Extension Code	Description	Expected
ER_TR/TR_PHOTO	It is an attribute for know if it is necessary made a photo for this competitor.	At the end of the race. Only send for competitor who needs that.
ER_TR /TR_PENALTIES	Number of penalties given	Only for competitors with penalties given
ER_TR/TR_SEGMENT_@Segment	Segment code	Always
ER_TR/TR_SEGMENT_@Segment /TR_RANK	Rank from start.	Always
ER_TR/TR_SEGMENT_@Segment /TR_ERANK	Flag for equalled Ranks	Always
ER_TR/TR_SEGMENT_@Segment /TR_TIME_SPLIT	Time. The time of the segment	Always
ER_TR/TR_SEGMENT_@Segment /TR_RANK_SPLIT	Rank at this segment.	Always
ER_TR/TR_SEGMENT_@Segment /TR_ERANK_SPLIT	Flag for equalled Ranks (value for TR_RANK_SPLIT)	Always
ER_TR/TR_SEGMENT_@Segment /TR_DIFF	Time behind the first at the segment	Always
ER_TR/TR_SEGMENT_@Segment /TR_IDX	Total result order from start of the race to one segment. With the ones who have not passed yet are indexed as well – after the ones who have finished, but before the IRMs. Sorted by the intermediate passed most recently, and by order there (if none, then by start order).	Always
ER_TR/TR_SEGMENT_@Segment /TR_IDX_SPLIT	Result order within one segment. With the ones who have not passed yet are indexed as well – after the ones who have finished, but before the IRMs. Sorted by the intermediate passed most recently, and by order there (if none, then by start order).	Always
ER_TR/TR_LAP_@Segment	Time. The time is the net time from start	Always

	of the lap.	
ER_TR/TR_LAP_@Segment /TR_TIME_SPLIT	Time. The time is the net time from start of the segment.	Always
ER_TR/TR_LAP_@Segment /TR_TIME_START	Time. The time is the net time from start of the race.	Always
ER_TR/TR_LAP_@Segment /TR_RANK_START	Total rank at this lap	Always
ER_TR/TR_LAP_@Segment /TR_ERANK_START	Flag for equalled total ranks at this lap	Always
ER_TR/TR_LAP_@Segment /TR_RANK	Rank at this lap	Always
ER_TR/TR_LAP_@Segment /TR_ERANK	Flag for equalled lap rank	Always
ER_TR/TR_LAP_@Segment /TR_DIFF	Lap time behind the first	Always
ER_TR/TR_LAP_@Segment /TR_DIFF_START	Total time behind the first (from start of the race)	Always
ER_TR/TR_LAP_@Segment /TR_IDX_START	Total result order from start of the race to one segment.

With the ones who have not passed yet are indexed as well – after the ones who have finished, but before the IRMs. Sorted by the intermediate passed most recently and by order there (if none, then by start order). | Only for individuals: Always |

5.1.3.6   Message sort

Please, follow the general definition.

5.1.4 Event's Medallists

5.1.4.1 Description

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

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

5.1.4.2 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).

5.1.4.3 Trigger and Frequency

Please, follow the general definition.

5.1.4.4 Message Structure

Please, follow the general definition.

5.1.4.5 Message Values

Please, follow the general definition.

5.1.4.6 Message sort

Please, follow the general definition.

5.1.5 Official Communication

5.1.5.1 Description

This message is the Official Communication message as described in the ODF General Messages Interface Document.

5.1.5.2 Header Values

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

In case of Race Incidents send @DocumentSubcode with "RINCIDENT" and @DocumentSubtype always with "1".

5.1.5.3 Trigger and Frequency

- In case of race incidents: After each incident is logged

- In the other cases: Please, follow the general definition.

5.1.5.4 Message Structure

The optional elements defined for this message in the ODF1 General Messages Interface Document that should be included in the case of Triathlon are:

- RIncidents (following the general rules for this element and Send only for the race incidents)

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 General 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 General 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 General 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 lists the Discipline configuration 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
Config	Gender	M	*CC @Gender*	Gender code
	Event	M	*CC @Event*	Event code

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

Type	Code	Pos	Value	Description
CFG_TR	TR_DIST_@Segment		N(3) 990	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send the distance of the segment
	TR_SPLIT_@Segment	N(2) 90	N(3) 990	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Send the number that indentifies the split point
				For @Value: Send the cumulative distance of the split
	TR_SPLIT_NO_@Segment		N(1) 9	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send the number of splits of the segment (0 if the segment has no splits)

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

Type /Code	Description	Expected
CFG_TR /TR_DIST_@Segment	Distance of the Segment (in km)	Always
CFG_TR /TR_SPLIT_@Segment	Cumulative distance of the Split	Always
CFG_TR /TR_SPLIT_NO__@Segment	Number of splits in the segment (0 if the segment has no splits)	Always

5.1.8.6   Message sort

Please, follow the general definition.

6 Real time

The following chapter describes the ODF-RT part of Triathlon.

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 Triathlon the same way as it is done in the table of chapter 4.

Message Type	Message name	Paragraph 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

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 General 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: Trigger after an athlete reach an intermediate point

  - T2: Trigger after an athlete finish a segment

  - T3: Trigger after an athlete finish the Run segment

  - T4: Trigger after the first athlete finish a segment

  - T5: Trigger after the first athlete finish an intermediate point

  - T6: Trigger after an athlete penalty given

- ResultStatus="LIVE_FULL"

  - This value should be suggested 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 ODF1 General Messages Interface Document that should be included in the case of Triathlon are:

- UnitInfo

- 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.

6.1.1.5 Message Values

The following table lists the RT 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	LIVE_UPDATE RT trigger expected
Result	Rank	M	S(n)	Rank of the athlete.	T2,T3
	RankEqual	O	Y or N	This attribute identifies if a rank has been equalled or not.	Just if applies

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
	ResultType	M	CC @ResultType	Result type, either points or IRM with points for the corresponding event unit	T3
	IRM	O	CC @IRM	IRM of the Team for the particular event unit Send just in the case @ResultType both Points and IRM (see codes section)	T3
	Result	O	N(3) 990	Result for the particular event unit.	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.	When was available

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

Element: UnitInfo					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
UI_TR	TR_TOTAL_PARTICIPANTS			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the total participating athletes
	TR_CURRENT (*)			CC @Segment	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the segment code of the lap that the leader has finished last.
		TR_FINISHED		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send 'Y' if the segment has been finished, otherwise 'N'
		TR_LAST_LAP		N(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the number of the intermediate

Element: UnitInfo

Type	Code	Extension Code	Pos	Value	Description
					For @Value: Send the number of the last lap that the leader has finished.
		TR_CURR_SEGMENT		CC @Segment	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the current segment
		TR_FINISHED_PARTICIPANTS		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the participating athletes that have completed the current segment

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

Type /Code /Extension Code	Description	LIVE_UPDATE RT trigger expected
UI/TR/TR_TOTAL_PARTICIPANTS	Indicates the total number of athletes competing in the eventunit	T1
UI_TR/TR_CURRENT	Segment code of the lap that the leader has last finished.	T4, T5
UI_TR/TR_CURRENT /TR_FINISHED	Flag to indicate if the segment was completed.	T4, T5
UI_TR/TR_CURRENT /TR_LAST_LAP	Number of the last lap that the leader has finished. For each segment the number start from 1.	T4, T5
UI_TR/TR_CURRENT /TR_CURR_SEGMENT	Current phase of the race	T4
UI_TR/TR_CURRENT /TR_FINISHED_PARTICIPANTS	Number of athletes that have completed current phase	Always

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_TR	TR_PHOTO			S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: To know if the competitor's final result was decided by photo. Send Y for Evaluated Status and P for Pending Status for the Foto finish
	TR_PENALTIES			N(1) 9	For @Type: Send proposed type

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send number of penalties given
	TR_SEGMENT_@Segment			H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the time from the start of the race
		TR_TIME_SPLIT		H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the time of the segment
		TR_RANK		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the cumulative rank
		TR_ERANK		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the rank is equalled, otherwise 'N'
		TR_RANK_SPLIT		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the rank at this segment
		TR_ERANK_SPLIT		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the rank (value for TR_RANK_SPLIT) is equalled, otherwise 'N'
		TR_DIFF		H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Do not send anything.
					For @Value: Send the time behind the first at the segment
		TR_IDX		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the total result order from start of the race to this segment
		TR_IDX_SPLIT		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the result order within this segment
		TR_LAST_FINISH		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send Y if the athlete is the last modified.
	TR_LAP_@Segment		N(2) 90	H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the split number
					For @Value: Send the time of the lap
		TR_LAST_FINISH		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send Y if the athlete is the last modified.
		TR_TIME_SPLIT		H:MM:SS:mmm	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the time from start of the segment
		TR_TIME_START		H:MM:SS:mmm	For @Type: Send proposed type
					For @Code: Send proposed code

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Do not send anything.
					For @Value: Send the time from the start of the race
		TR_RANK_START		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the total rank
		TR_ERANK_START		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the total rank is equalled, otherwise 'N'
		TR_RANK		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the lap rank
		TR_ERANK		Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the lap rank is equalled, otherwise 'N'
		TR_DIFF		H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the lap time behind the first
		TR_DIFF_START		H:MM:SS:mmm 00:0X	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the total time (from start of the race) behind the leader
		TR_IDX_START		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed 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 result order from start of the race to this segment

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

Type /Code /Extension Code	Description	LIVE_UPDATE RT trigger expected
ER_TR /TR_PHOTO	It is an attribute for know if it is necessary made a photo for this competitor.	T3
ER_TR /TR_PENALTIES	Number of penalties given	T6
ER_TR/TR_SEGMENT_@Segment	Segment code	T2
ER_TR/TR_SEGMENT_@Segment /TR_RANK	Rank from start.	T1,T2
ER_TR/TR_SEGMENT_@Segment /TR_ERANK	Flag for equalled Ranks	T1,T2
ER_TR/TR_SEGMENT_@Segment /TR_TIME_SPLIT	Time. The time of the segment	T2
ER_TR/TR_SEGMENT_@Segment /TR_RANK_SPLIT	Rank at this segment.	T2
ER_TR/TR_SEGMENT_@Segment /TR_ERANK_SPLIT	Flag for equalled Ranks (value for TR_RANK_SPLIT)	T2
ER_TR/TR_SEGMENT_@Segment /TR_DIFF	Time behind the first at the segment	T2
ER_TR/TR_SEGMENT_@Segment /TR_IDX	Total result order from start of the race to one segment With the ones who have not passed yet are indexed as well – after the ones who have finished, but before the IRMs. Sorted by the intermediate passed most recently, and by order there (if none, then by start order.	T1,T2
ER_TR/TR_SEGMENT_@Segment /TR_IDX_SPLIT	Result order within one segment. With the ones who have not passed yet are indexed as well – after the ones who have finished, but before the IRMs. Sorted by the intermediate passed most recently, and by order there (if none, then by start order)).	T1,T2
ER_TR/TR_LAP_@Segment	Time. The time is the net time from start of the lap.	T1
ER_TR/TR_LAP_@Segment /TR_TIME_SPLIT	Time. The time is the net time from start of the segment.	T1
ER_TR/TR_LAP_@Segment /TR_TIME_START	Time. The time is the net time from start of the race.	T1
ER_TR/TR_LAP_@Segment /TR_RANK_START	Total rank at this lap	T1
ER_TR/TR_LAP_@Segment /TR_ERANK_START	Flag for equalled total ranks at this lap	T1
ER_TR/TR_LAP_@Segment /TR_RANK	Rank at this lap.	T1
ER_TR/TR_LAP_@Segment	Flag for equalled lap ranks	T1

/TR_ERANK		
ER_TR/TR_LAP_@Segment /TR_DIFF	Lap time behind the first	T1
ER_TR/TR_LAP_@Segment /TR_DIFF_START	Total time behind the first (from start of the race)	T1
ER_TR/TR_LAP_@Segment /TR_IDX_START	Total result order from start of the race to one segment. With the ones who have not passed yet are indexed as well – after the ones who have finished, but before the IRMs. Sorted by the intermediate passed most recently, and by order there (if none, then by start order.	T1

6.1.1.6   Message sort

Please, follow the general definition.

DOCUMENT CONTROL

Version history

Version	Date	Comments
R-SEG-2015 V1.0	5 June 2014	Submitted for review version
R-SEG-2015 V1.1	3 July 2014	Submitted for approval version and some minor issues/comments
R-SEG-2015 V1.2	11 July 2014	Approved version
R-SEG-2015 V1.3	22 August 2014	Minor modifications and modifications in look & feel
R-SEG-2015 V1.4	9 September 2014	2nd Approved version
R-SEG-2015 V1.5	27 February 2015	3rd Approved version
R-SEG-2015 V1.6	13 March 2015	4th Approved version
R-SEG-2015 V1.7	25 May 2015	5th Approved version

File reference: ODF/INT435 R-SEG-2015 V1.7 APP

Change Log

Version	Status	Changes on version
R-SEG-2015 V1.0	SFR	• First version
R-SEG-2015 V1.1	SFA	• Submitted for approval • Generally, the reference to the London ODF Central/Sport Messages Interface has changed to ODF General Messages Interface • Whatever is added/modified from the London ODF version is highlighted in <mark>green</mark>
R-SEG-2015 V1.2	APP	• Approved version
R-SEG-2015 V1.3	APP	• **DT_GM / DT_GN messages:** • The titles of the messages 'Discipline/venue start transmission' and 'Discipline/venue stop transmission' have been replaced back to 'Discipline/venue good morning' and 'Discipline/venue good night', correspondingly
R-SEG-2015 V1.4	APP	• Updated the Common code document reference with COD404 • Updated *ODF General Messages Interface Document* in *ODF1 General Messages Interface Document* • Added reference to ODF Header Values document • Updated table under 5.1Point in Time Applicable Messages adding the ODF format where necessary
R-SEG-2015 V1.5	APP	• DT_PARTIC: The code E_RANK is added for the element ../Competition /Participant /Discipline /RegisteredEvent /EventEntry • The sentence in §1.3 Main Audience is adapted to the European Games • The reference to WNPA is removed
R-SEG-2015 V1.6	APP	• §5.1 Table: The line DT_PHOTOFINISH with the related 'X' is added
R-SEG-2015 V1.7	APP	• DT_PARTIC: The code E_RANK is removed since no data will ever be available for it

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