Olympic Data Feed

ODF Swimming Data Dictionary for the XX Commonwealth Games

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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 Swimming 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 Swimming 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	The international governing body of an Olympic Sport as				
Federation	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	This document describes the
	Transmission	technical standards to be used
	Document	to transfer ODF messages



Document Reference	Document Title	Document Description
		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 Swimming 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 Swimming.

Any ODF Swimming 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 @Country	Defined in ODF Common Codes Document				
	See entity Country The entity's attribution	ute to be used is Id			
CC @Discipline	Defined in ODF Common	Codes Document			
	See entity Discipline The entity's attribute to be used is Id However, valid disciplines will be those which Nor Sport attribute='N'				
CC @DisciplineGender	Defined in ODF Common	Codes Document			
	See entity Discipline Gender The entity's attribute to be used is Gender It will be related to Discipline				
CC @Event	Defined in ODF Common	Codes Document			
	See entity Event The entity's attribute to be used is Event It will be related to Discipline and Gender				
CC @IRM	Code	Description			
	DNS	Did not start			
(The codes order provided is	DNF	Did not finish			
according to the sport rules. In case of several IRM of the same code, sort	DSQ	Disqualified			
by bib numbers in ascending order).	pd	Pending for disqualification			
CC @Organisation	Defined in ODF Common Codes Document				
	See entity Organisation • The entity's attribute to be used is Id				
CC @PerformanceCategory	Code	Description			
	WRP	World Record Chronology			
	ALL	Top 10 - All Time			
	CUY	Top 10 - Current Year Performers			
CC @Phase	Defined in ODF Common	Codes Document			
	See entity Phase				



Code Entity	Code Entity Set	Code Entity Set of Values				
	 The entity's attribute to be used is Phase It will be related to Discipline, Gender and Event 					
CC @QualificationMark	Code	Description				
	Q	Qualified for the next phase (semi-final or final)				
	?	Involved in swim-off				
CC @RecordCode	Defined in ODF (Common Codes Document				
	See entity Record • The entity's attribute to be used is Id					
CC @RecordType	Defined in ODF (Common Codes Document				
	See entity Record Type The entity's attribute to be used is RecordType It will be related to Discipline					
CC @ResultType	Code	Description				
	IRM	Invalid Result Mark				
	TIME	Performance as a Time value				
CC @Stroke	Code	Description				
	1	Freestyle				
	2	Butterfly				
	3	Breaststroke				
	4 Backstroke					
CC @Unit	Defined in ODF Common Codes Document					
	See entity Unit The entity's attribute to be used is EventUnit It will be related to Discipline, Gender, Event and Phase					

The following table describes the codes entities <u>specific for **Para-Sport** events</u> 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.

Code Entity	Code Entity Set of Values
CC @SportClass	Defined in ODF Common Codes Document
	See entity Sport Class • The code to be used is found in the Class column



4 Point in Time

4.1 Point in Time Applicable Messages

The following table is a full list of all ODF-PiT messages and describes the list of messages used in Swimming, 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.
- The columns Para-Sport events indicate if there is any difference between the Oly-Sport definition and the Para-Sport definition.

Message Type	_	_	Message extended	Para-Sport events	
		this sport	in this document	this sport	extended
DT_SCHEDULE	Competition schedule	Х		Х	
DT_SCHEDULE_UPDATE	Competition schedule update	Х		Х	
DT_PARTIC	List of participants by discipline	Х	Х	Х	Х
DT_PARTIC_UPDATE	List of participants by discipline update	Х	Х	Х	Х
DT_PARTIC_TEAMS	List of teams X		Х		
DT_PARTIC_TEAMS_UPDATE	List of teams update	s update X X			
DT_MEDALS	Medal standings	Global		Global	
DT_MEDALLISTS_DAY	Medallists of the day	Global		Global	
DT_HISTORIC_RECORD	Historical records X		Х	Х	Х
DT_GLOBAL_GM	Global good morning	Global		Global	
DT_GLOBAL_GN	Global good night	Global		Global	
DT_START_LIST	Start List	X X X		Х	
DT_RESULT	Event Unit Results	Χ	Χ	Χ	Х



Message Type	Message name	used in	Message extended	Para-Sport events	
		this sport	in this document	Message used in this sport	extended
DT_PHASE_RESULT	Phase Results	Х	Х	Х	Х
DT_CUMULATIVE_RESULT	Cumulative Results	Х	Х	Х	Х
DT_POOL_STANDING	Pool Standings of group in a team competition				
DT_RANKING	Event Final ranking	Χ		Х	
DT_STATS	Statistics table				
DT_MEDALLISTS	Medallists of one event	Х		Х	
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	X		Х	
DT_RECORD	Records	Х	Х	Х	Х
DT_COMMUNICATION	Official Communication	Х		Х	
DT_BRACKETS	Brackets				
DT_GM	Discipline/venue good morning	X		X	
DT_GN	Discipline/venue good night	X		X	
DT_FED_RANKING	Federation Ranking				
DT_CONFIG	Discipline configuration	X	X	Х	Х
DT_WEATHER	Event Unit Weather conditions				
DT_SERIAL	List of Current PiT Serial	Х		Х	



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 (and the update), for that discipline it is the list of athletes, as described in the ODF General Messages Interface Document.

4.1.1.2 Header Values

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

4.1.1.3 Trigger and Frequency

The definition in the ODF General Messages Interface Document is valid and in the case when the venue results becomes owner of the data.

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 Swimming are:

- Participant /Discipline /RegisteredEvent
- Participant /Discipline /RegisteredEvent /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 participants by discipline / update" optional attributes (defined in the ODF General Messages Interface Document) that are used in the case of Swimming, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Participant	BirthDate	0	YYYYMMDD	Date of birth.
				It will be included if this information is
				available.
	Height	0	N(3)	Height in centimetres.
			999	It will be included if this information is
				available.
	Weight	0	N(3)	Weight in kilograms.
			999	It will be included if this information is
				available.

The following table lists <u>only extra</u> optional attributes (defined in the ODF General Messages Interface Document) that are used in the case of <u>Para-Sport events</u>.

Element	Attribute	M/O	Value	Comments
Participant /Discipline	Class	M	CC	Code to identify the Sport class for the
/RegisteredEvent			@SportClass	athlete.

The following table describes in more detail the Participant /Discipline /RegisteredEvent /EventEntry element in the case of Swimming.

Element: Participant /Discipline /RegisteredEvent /EventEntry					
Туре	Code	Pos	Value	Description	
E_ENTRY	E_Q_TIME		MM:SS.tt 99:90.00	For @Type: Send proposed type	
				For @Code:	



Туре	Code	Pos	Value	Description
				Send proposed code
				For @Pos:
				Do not send anything
				For @Value: Athlete's Qualifying Time.
				Use Time format: MM is minutes SS is seconds tt is hundredths of second
	E_Q_DATE		YYYYMMDD	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Date of Athlete's Qualification
	E_Q_CITY		S(25)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: City (Location) of Athlete's Qualification
	E_Q_COUNTRY		CC @Country	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Country ID of the Athlete's Qualification city (location)

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

Type /Code	Description	Expected
E_ENTRY /E_Q_TIME		Always, as soon as this information is known (it can be sent in both messages).
E_ENTRY /E_Q_DATE		Always, as soon as this information is known (it can be sent in both messages).
E_ENTRY /E_Q_CITY		Always, as soon as this information is known (it can be sent in both messages).
E_ENTRY /E_Q_COUNTRY		Always, as soon as this information is known (it can be sent in both messages).



4.1.1.6 Message sort

Please, follow the general definition.



4.1.2 List of teams by discipline / List of teams by discipline update

4.1.2.1 **Description**

This message is the List of teams by discipline (and the update) as described in the ODF General Messages Interface Document.

4.1.2.2 **Header Values**

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

4.1.2.3 **Trigger and Frequency**

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

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 Swimming are:

- Team /Composition /Athlete
- Team /Discipline /RegisteredEvent
- Team /Discipline /RegisteredEvent /EventEntry

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

4.1.2.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Team /Composition /Athlete	Code	M	S(20) with no leading zeroes	Athlete's ID of the listed team's member.
Aunete			leading zeroes	Therefore, he/she makes part of the team's composition.
				You should be able to find further information about the team member in the list of athletes' message according to its @Code.
	Order	O	Numeric	Team member order

The following table describes in more detail the Team /Discipline /RegisteredEvent /EventEntry element in the case of Swimming.

Element: Tean	Element: Team /Discipline /RegisteredEvent /EventEntry						
Туре	Code	Pos	Value	Description			
E_ENTRY	E_Q_TIME		MM:SS.tt 99:90.00	For @Type: Send proposed type			
				For @Code: Send proposed code			
				For @Pos: Do not send anything			
				For @Value: Team's Qualifying Time.			
				Use Time format: MM is minutes			



Туре	Code	Pos	Value	Description
				SS is seconds tt is hundredths of second
	E_Q_DATE		YYYYMMDD	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Date of Team's Qualification
	E_Q_CITY S(25)	S(25)	For @Type: Send proposed type	
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: City (Location) of Team's Qualification
	E_Q_COUNTRY		CC @Country	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Country ID of the Team's Qualification city (location)

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

Type /Code	Description	Expected
E_ENTRY /E_Q_TIME	Team's Qualifying Time.	Always, as soon as this information is known (this information can be sent in both messages).
E_ENTRY /E_Q_DATE	Date of Team's Qualification.	Always, as soon as this information is known (this information can be sent in both messages).
E_ENTRY /E_Q_CITY	City (Location) of Team's Qualification.	Always, as soon as this information is known (this information can be sent in both messages).
E_ENTRY /E_Q_COUNTRY	Country ID of the Team's Qualification city (location).	Always, as soon as this information is known (this information can be sent in both messages).

4.1.2.6 Message sort

Please, follow the general definition.



4.1.3 Historical records

4.1.3.1 Description

This message is the Historical records as described in the ODF General Messages Interface Document.

In the case of Swimming, the message has to be sent for all the competition events, according to the ODF Common Codes document (record codes values sheet).

4.1.3.2 Header Values

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

4.1.3.3 Trigger and Frequency

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

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 Swimming are:

- HistoricalRecords /Record /RecordType /ExtRecords /ExtRecord
- HistoricalRecords /Record /RecordType /Competitor /RecordData (for Relay event units)
- HistoricalRecords /Record /RecordType /Competitor /Composition /Athlete /RecordData (for all event units except for Relay events)

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

4.1.3.5 Message Values

The following table lists the "Historical records" optional attributes (defined in the ODF General Messages Interface Document) that are used in the case of Swimming, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
HistoricalRecords	Code	М	CC @RecordType	Record type.
/Record /RecordType	Subcode	0	WRC order if Code="WRC"	Mandatory in case of Code="WRC" ("World Record Chronology (Last 10 WR)").
HistoricalRecords /Record /RecordType	ResultType	М	CC @ResultType	"TIME" Indicate that the result type for the record is a time.
/RecordData	Result	М	MM:SS.tt 99:90.00	The result of the competitor for the record.
				Use Time format:
				MM is minutes
				SS is seconds tt is hundredths of second

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Historical records

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Element	Attribute	M/O	Value	Comments
HistoricalRecords	Country	М	CC @Country	Country code where the record was broken.
/Record	Place	М	S(40)	The place (town or city) where the record
/RecordType				was broken.
/Competitor	Date	М	YYYYMMDD	The date where the record was broken.
/RecordData	Event	0	S(40)	Text of the event name where the record was
				broken (e.g.: "World Championships",
(just for team				"Olympic Games", etc.).
competitor's				It will be sent if this information is available.
record)				
HistoricalRecords	Country	M	CC @Country	Country code where the record was broken.
/Record	Place	M	S(40)	The place (town or city) where the record
/RecordType				was broken.
/Competitor	Date	М	YYYYMMDD	The date where the record was broken.
/Composition	Event	0	S(40)	Text of the event name where the record was
/Athlete				broken (e.g.: "World Championships",
/RecordData				"Olympic Games", etc.).
				It will be sent if this information is available.
(just for individual				
athlete's record)				

The following table describes in more detail the HistoricalRecords /Record /RecordType /Competitor /ExtRecords /ExtRecord element in the case of Swimming.

Element: Historica	Element: HistoricalRecords /Record /RecordType /Competitor /ExtRecords /ExtRecord							
Туре	Code	Pos	Value	Description				
HER_RECORD	SW_SPLIT	N(2) 99	MM:SS.tt 99:90.00	For @Type: Send proposed type				
				For @Code: Send proposed code				
				For @Pos: Sequential number from 1 to 99 for each split in the record, to indicate its number. It can be one or more (depending on the distance of the event unit). i.e.: for 50m - does not have split, for 100m - 1 split, for 200m - 3 splits,				
				For @Value: Split Time in the record				
				Use Time format: MM is minutes SS is seconds tt is hundredths of second				

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

Type /Code	Description	Expected
HER_RECORD /SW_SPLIT	·	If it applies. Just for events units which have splits time in the record.

4.1.3.6 Message sort

Please, follow the general definition.



4.1.4 Start List

4.1.4.1 Description

This message is the Start List 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

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

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 Swimming are:

- UnitInfos /UnitDateTime (following the general rules for this element)
- UnitInfos /UnitInfo
- UnitInfos /UnitInfo /Extensions
- UnitInfos /UnitInfo /Competitor can be included or not for UnitInfos /UnitInfo /Extensions /Extension code SW_ID (for Relay event units when the competitor's ID is not known for some performance category code)
- UnitInfos /UnitInfo /Competitor /Composition can be included or not for UnitInfos /UnitInfo /Extensions /Extension code SW_ID (for all events units except Relay when the athlete's ID is not known for some performance category code)
- Start /Competitor /EventUnitEntry (for Relay event units)
- Start /Competitor /Composition /Athlete /EventUnitEntry (for all event units except for Relay events)

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

4.1.4.5 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 Swimming, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Start	StartOrder	0	Numeric	Lane assignment or start order of the competitor in
				the start list.
	SortOrder	M	Numeric	Lane order.

The following table describes in more detail the UnitInfos /UnitInfo element and its child element Extensions in the case of Swimming.

Element: UnitInfos /UnitInfo							
Туре	Code	Extension Code	Pos	Value	Description		
UI_BEST_CC @PerformanceCategory	SW_RANK			90 ´	For @Type: Send proposed type (see codes section)		

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Start List

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Γνης	Codo	Extension Code	Doc	Value	Description
уре	Code	Extension Code	Pos	value	Description
					For @Code: Send proposed code
					For @Pos:
					Do not send anything
					For @Value:
					Performer's result Rank at the
					performance category (for to
					10 in each one), from 1 to 10.
		SW_ID		S(20) with no	
				leading zeroes	Send proposed code (as type)
				261063	For @Code: Send proposed extension code
				Or	· · ·
					For @Pos: Do not send anything
				blank	For @Value:
					Competitor's ID at th
					performer's rank per thi
					category.
					It could be the Team's ID for Relay event units or Athlete's
					ID (to identify an athlete) for
					the rest of event units.
					Send blank when competite
					(in both cases) does no
		CW DECLIIT		MM:SS.tt	compete in the games. For @Type:
		SW_RESULT		99:90.00	Send proposed code (as type)
				00.00.00	For @Code:
					Send proposed extension code
					For @Pos:
					Do not send anything
					For @Value:
					Result time at performer's rar
					per this category.
					Use Time format:
					MM is minutes
					SS is seconds
				2 (2 2)	tt is hundredths of second
		SW_CITY		S(30)	For @Type:
					Send proposed code (as type)
					For @Code: Send proposed extension cod
					For @Pos:
					Do not send anything
					For @Value:
					City (location) at th
					performer's rank per th
					category.
		SW_DATE		YYYYMMDD	,
	1				Send proposed code (as type)
				Or	For @Code:



Element: UnitInfos /UnitInfo							
Туре	Code	Extension Code	Pos	Value	Description		
				MMDD	For @Pos: Do not send anything		
					For @Value: Result Date at the performer's rank per this category.		
					For the performance category "CUY" (Current Year Performers), do not send the year.		

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

Type /Code /Extension Code	Description	Expected
@PerformanceCategory /SW_RANK	Best performers (top 10) for each rank (competitor's ID, result time, city and date) of each performance category.	

The following table describes in more detail the optional attributes for UnitInfos /UnitInfo /Competitor (and UnitInfos /UnitInfo /Competitor /Composition when the person is an Athlete, not for team event units) that will have to be included when the competitor's ID is not known in UnitInfos /UnitInfo /Extensions /Extension (code SW_ID and @Value is blank), both for athletes and for teams Swimming.

Element	Attribute	M/O	Value	Comments
UnitInfos /UnitInfo	Organisation	M	CC	Organisation ID of the person (both for
/Competitor			@Organisation	athletes and for teams) associated to the
				UnitInfos /UnitInfo /Extensions /Extension
				at the performer's rank per category.
UnitInfos /UnitInfo	FamilyName	М	S(25)	Family name of the person (athlete)
/Competitor				associated to the UnitInfos /UnitInfo
/Composition /Athlete				/Extensions /Extension at the performer's
				rank per category.
	GivenName	М	S(25)	Given name of the person (athlete)
				associated to the UnitInfos /UnitInfo
				/Extensions /Extension at the performer's
				rank per category.

The following table describes in more detail the Start /Competitor /EventUnitEntry element, which should be used in the case of Relay event units, or the Start /Competitor /Composition /Athlete /EventUnitEntry element, in the case of the rest of events.

Element: Start /Competitor /EventUnitEntry (in the case of Relay) Start /Competitor /Composition /Athlete /EventUnitEntry (for all events except for Relay)					
Туре	Code	Pos	Value	Description	
EUE_SW	SW_HEAT			For @Type: Send proposed type	

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Element: Start /Competitor /EventUnitEntry (in the case of Relay) Start /Competitor /Composition /Athlete /EventUnitEntry (for all events except for Relay)

Туре	Code	Pos	Value	(for all events except for Relay) Description
71.				For @Code:
				Send proposed code
				For @Pos:
				Do not send anything
				For @Value:
				Heat number (it will correspond with the unit of the
				DocumentCode attribute in the ODF header).
	SW_LANE		N(2)	For @Type:
			90	Send proposed type
				For @Code:
				Send proposed code
				For @Pos:
				Do not send anything
				For @Value:
				Lane number of the competitor
	SW_SUBSTITUTE		S(1)	For @Type:
			(Y)	Send proposed type
				For @Code:
				Send proposed code
				For @Pos: Do not send anything
				•
				For @Value: Send "Y" if the competitor (athlete or team) is a
				reserve for Semi-final or Final
	SW_IRM	_IRM		For @Type:
	_	_		Send proposed type
				For @Code:
				Send proposed code
				For @Pos:
				Do not send anything
				For @Value:
				Indicator as supplied by OVR for DNS or other
				possible results before the race.
	SW_Q_TIME		MM:SS.tt 99:90.00	For @Type:
			99.90.00	Send proposed type
				For @Code: Send proposed code
				For @Pos:
				Do not send anything
				For @Value:
				Competitor's (athlete or team) Qualifying Time.
				According to the phase it could be: the entry
				qualification time (for the heats), the result time for
				the phase in which the tied occurred (for a swim-
				off), or the result time from the previous phase (for final).
				Use Time format:
				MM is minutes
				SS is seconds



Element:						
Start /Competitor /EventUnitEntry (in the case of Relay)						
Start /Competi	Start /Competitor /Composition /Athlete /EventUnitEntry (for all events except for Relay)					
Туре	Type Code Pos Value Description					
				tt is hundredths of second		

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

Type /Code	Description	Expected
	Competition Heat Number (not for the substitutes).	If applies, for all event units.
	Competitor's Lane Number (not for the substitutes).	Always for competitors, when this information is known for all event units.
		Always, as soon as this information is known (just for Semi-final and Final event units).
EUE_SW /SW_IRM		If applies, in the case of the team does not compete (just for Relay event units).
EUE_SW /SW_Q_TIME	, , ,	Always, as soon as this information is known.

4.1.4.6 Message sort

Please, follow the general definition.



4.1.5 Event Unit Results

4.1.5.1 Description

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

4.1.5.2 Header Values

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

4.1.5.3 Trigger and Frequency

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

Official results: At the end of each heat

4.1.5.4 Message Structure

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

- UnitInfos /UnitDateTime (following the general rules for this element)
- Result /RecordIndicators /RecordIndicator
- Result /Competitor /ExtendedResults /ExtendedResult (for Relay event units)
- Result /Competitor /ExtendedResults /ExtendedResult /Extensions (for Relay event units)
- Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (for all event units; in the case of Relay, team members' detailed results).
- Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extensions (for all event units; in the case of Relay, team members' detailed results).

4.1.5.5 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	0	Text	Rank of the competitor in the corresponding event unit. This attribute is optional because the competitor could get an invalid rank mark (in this case, it will be blank).
	RankEqual	0	S(1) (Y)	Send 'Y' if the Rank is equalled.
	ResultType	M	CC @ResultType	Result type, either time or IRM for the corresponding event unit (see codes section)
	Result	0	MM:SS.tt 99:90.00	Total result for the particular event unit. Send just in the case @ResultType is Time (see codes section). Use Time format: MM is minutes SS is seconds tt is hundredths of second

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Element	Attribute	M/O	Value	Comments
	IRM	0	CC @IRM	IRM for the particular event unit.
				Send just in the case @ResultType is IRM (see codes section)
	SortOrder	М	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.
Result /RecordIndicators	Order	M	Numeric	Order is always "1" for records broken/equalled in this Event Unit.
/RecordIndicator	Code	M	CC @RecordCode	Code which describes the record broken by the result value.
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken.

The following table describes in more detail the Result /Competitor /ExtendedResults /ExtendedResult element and its child element Extensions (only for Relay event units).

Element:	Result /Competito	r /ExtendedResults /	Extended	Result	
Туре	Code	Extension Code	Pos	Value	Description
ER_SW	SW_DIFF			MM:SS.tt 99:90.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Time difference for the whole team behind the leader (do not send for Result @Rank=1)
					Use Time format: MM is minutes SS is seconds tt is hundredths of second
	SW_LEG_CYCLE		N(1) 9	N(1) 9	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Number of cycle, two per leg. It's a sequential number from 1 to 8, between different legs of the team. (e.g.: Pos=12 for 1 st leg, Pos=34 for 2 nd leg, etc.)
					For @Value: Number of the leg (team members), from 1 to 4, for Relay.
		SW_T_RANK		N(1) 9	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos:



уре	Code	Extension Code	Pos	Value	Description
ype	Code	Extension code	1 03	Value	Do not send anything
					For @Value:
					Rank of cumulative split at this leg
					(for the team).
		SW T ERANK		S(1)	For @Type:
				(Y) '	Send proposed code (as type)
					For @Code:
					Send proposed extension code
					For @Pos:
					Do not send anything
					For @Value:
					It identifies if the rank at this leg (fo the team) has been equalled, send
					"Y" in this case.
		SW_T_TIME		MM:SS.tt	For @Type:
				99:90.00	Send proposed code (as type)
					For @Code:
					Send proposed extension code
					For @Pos:
					Do not send anything
					For @Value:
					Send the cumulative split time at
					this leg (for the team).
					Use Time format:
					MM is minutes
					SS is seconds
					tt is hundredths of second
		SW_RECORD_MAR	N(1) 9	CC @ PocordType	For @Type: Send proposed code (as type)
			9	@ Necold Lype	For @Code:
					Send proposed extension code
					For @Pos:
					Send "1" for the current Record or
					incremental (send "2") for the
					handling of Commonwealth record
					that is also an Area (Continental)
					record. For @Value:
					Send the record broken at this split
					point (when swimmer's cumulative
					split time is a World,
					Commonwealth or Area/Continenta
					record respectively), by the first leg
					of the team. If the cumulative time is a
					Commonwealth record, it may also
					be an Area (Continental) record; in
					this case send both.

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

Type /Code	Description	Expected
1 ypc /oouc	Description	Expedica



	/Extension Code		
ER_SW /SW_DIFF			Always, just for Relay event units (do not send for result @Rank=1)
EF	R_SW /SW_LEG_CYCLE	Team's performance at each cycle per leg (at the middle and at the exchange/finish, (two for each leg), and according to the cycles defined in the message "Discipline Configuration" (SW_CYCLE attribute).	Just for Relay event units
	/SW_T_RANK	Rank of the team at this leg	Always
	/SW_T_ERANK	Equalled rank indicator of the team at this leg.	Always (if it applies)
	/SW_T_TIME	Result time of the team at this leg	Always
	/SW_RECORD_MARK	Record mark at this split for cumulative split time when break a World, a Commonwealth or an Area/Continental record. In the case of Commonwealth record plus an Area (Continental) record, if it applies.	

The following table describes in more detail the Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element and its child element Extensions (for all event units).

Element:	: Result /Competitor /C	omposition /Athlete /Ex	ktende	edResults /Exte	ndedResult
Туре	Code	Extension Code	Pos	Value	Description
ER_SW	SW_DIFF			MM:SS.tt 99:90.00	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Time difference for the athlete behind the leader (do not send for Result @Rank=1). Use Time format: MM is minutes SS is seconds tt is hundredths of second
	SW_REACTION_TIME			S.tt 0.00	For @Type: Send proposed type For @Code: Send proposed code For @ Pos: Do not send anything For @Value: Reaction time of the athlete Use Time format: S is seconds tt is hundredths of second
	SW_SPLIT		N(2) 90		For @Type: Send proposed type For @Code:



ре	Code	Extension Code	Pos	Value	Description
pc	Oode	Extension code	1 03	Value	Send proposed code
					For @Pos:
					The number that identifies the
					split point, from 1 to the total
					number of splits result points.
					For @Value:
					Do not send anything
		SW_SPLIT_TIME		MM:SS.tt	For @Type:
				99:90.00	Send proposed code (as type)
					For @Code:
					Send proposed extension code
					For @Pos:
					Do not send anything
					For @Value:
					Send the split result time (from
					this split point to the previous one). Not cumulative time.
					Don't send for the first split in
					Individual events.
					Use Time format:
					MM is minutes
					SS is seconds
					tt is hundredths of second
		SW_RANK		N(1)	For @Type:
				9	Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value:
					Cumulative rank at this split po
		SW_ERANK		S(1)	For @Type:
		OVV_ETO, WITE		(Y)	Send proposed code (as type)
					For @Code:
					Send proposed extension code
					For @Pos:
					Do not send anything
					For @Value:
					It identifies if the rank at this sp
					point has been equalled, send
					in this case.
		SW_TIME		MM:SS.tt	For @Type:
				99:90.00	Send proposed code (as type)
					For @Code:
					Send proposed extension code
					For @Pos:
					Do not send anything
					For @Value:
					Time result from the start of the
					race up to this split point. Is a cumulative result time.



-	•	1		Description
3333				Use Time format: MM is minutes SS is seconds tt is hundredths of second
	SW_SPLIT_RECORD	N(1) 9	CC @RecordType	For @Type: Send proposed code (as type)
				For @Code: Send proposed extension code
				For @Pos: Send "1" for the current Record or incremental (send "2") for the handling of Commonwealth record that is also an Area (Continental) record.
				For @Value: Send the record broken at this split point (when swimmer's cumulative split time is a World or Commonwealth record respectively for Individual events, or a World, Commonwealth or Area/Continental record respectively for the first leg of the team in Relay events). If the cumulative time is a Commonwealth record, it may also be an Area (Continental)
	Code	Code Extension Code	Code Extension Code Pos SW_SPLIT_RECORD N(1)	SW_SPLIT_RECORD N(1) CC

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

Type /Code	Description	Expected
/Extension Code		
ER_SW /SW_DIFF	Result time difference for the athlete to the leader.	Just for Individual event units (do not send for result @Rank=1)
ER_SW /SW_REACTION_TIME	Reaction time of the athlete	Always
ER_SW /SW_SPLIT	Athlete's split data for each of the split points defined in the event (from 1 to n, according to the event distance defined in the "Discipline Configuration" message as: 12 for 100m events, 14 for 200m events, etc.).	Individual event units (except for 50m), and Relay event units
/SW_SPLIT_TIME	Split result time (from this split point to the previous one).	Always (don't send for first split in Individual events), except for Relay event units
/SW_RANK	Cumulative rank at this split point.	Always, except for Relay event units
/SW_ERANK	Equalled rank indicator at this split point.	Always (if it applies), except for Relay event units
/SW_TIME	Time result from the start of the race up to this split point.	Always
/SW_SPLIT_RECORD	The record broken at this split point (when	If it applies (for Individual event units



Type /Code		Description	Expected
	/Extension Code		
		swimmer's cumulative split time is a World or Olympic record respectively for Individual events or a World, Commonwealth or Continental record respectively for first leg of the team in Relay events). In the case of Commonwealth record plus an Area (Continental) record, if it applies.	

4.1.5.6 Message sort

Please, follow the general definition.



4.1.6 Phase Results

4.1.6.1 Description

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

This message is sent just for the different phases (Heats and Semi-finals) of Individual and Relay events.

4.1.6.2 **Header Values**

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

4.1.6.3 **Trigger and Frequency**

Please, follow the general definition.

4.1.6.4 **Message Structure**

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

- Result /RecordIndicators /RecordIndicator
- Result /Competitor /ExtendedResults /ExtendedResult (for Relay event units)
- Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (for all event units except for Relay events)

4.1.6.5 **Message Values**

The following table lists the "Phase 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	0	Text	Rank of the competitor in the corresponding phase. This attribute is optional because the competitor could get an invalid rank mark (in this case, it will be blank).
	RankEqual	0	S(1) (Y)	Send 'Y' if the Rank is equalled.
	ResultType	M	CC @ResultType	Result type, either time or IRM for the corresponding phase (see codes section)
	Result	0	MM:SS.tt 99:90.00	Total result for the particular phase. Send just in the case @ResultType is Time (see codes section). Use Time format: MM is minutes SS is seconds tt is hundredths of second
	IRM	0	CC @IRM	IRM for the particular phase. Send just in the case @ResultType is IRM (see codes section)

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Element	Attribute	M/O	Value	Comments
	QualificationMark	0	CC @Qualification Mark Or blank	The code which gives an indication on the qualification of the competitor for the next round of the competition. (see codes section) Blank for non-qualified.
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular phase, 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.
Result /RecordIndicators /RecordIndicator	Order	M	Numeric	Order is always "1" for the latest (best) record of each type broken/equalled up to the current phase.
	Code	М	CC @RecordCode	Code which describes the record broken by the result value.
	RecordType	М	CC @RecordType	Code which specifies the level at which the record is broken.

The following table describes in more detail the Result /Competitor /ExtendedResults /ExtendedResult element (only for Relay event units).

Element: Res	Element: Result /Competitor /ExtendedResults /ExtendedResult					
Туре	Code	Extension Code	Pos	Value	Description	
ER_SW	SW_DIFF			MM:SS.tt 99:90.00	For @Type: Send proposed type	
					For @Code: Send proposed code	
					For @Pos: Do not send anything	
					For @Value: Time difference for the whole team behind of the leader (do not send for Result @Rank=1)	
					Use Time format: MM is minutes SS is seconds tt is hundredths of second	

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

Type /Code	Description	Expected
		Always, just for Relay event units (do not send for result @Rank=1)

The following table describes in more detail the Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element (for all event units except for Relay).

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



Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult								
Туре	Code	Extension Code	Pos	Value	Description			
ER_SW	SW_DIFF			MM:SS.tt 99:90.00	For @Type: Send proposed type			
					For @Code: Send proposed code			
					For @Pos: Do not send anything			
					For @Value: Time difference for the athlete behind of the leader (do not send for Result @Rank=1)			
					Use Time format: MM is minutes SS is seconds tt is hundredths of second			

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

Type /Code	Description	Expected
		Always (do not send for result @Rank=1), except for Relay event units

4.1.6.6 Message sort

Please, follow the general definition.



4.1.7 Cumulative Results

4.1.7.1 Description

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

In the case of Swimming, the message has to be sent up to the end of an event unit within a phase (just for the phases Heats and Semi-finals) of Individual and Relay events.

The Cumulative Results message is used to send an interim summary of results (including rank) part way through a phase. In this case, the DocumentSubtype is used to specify the last phase or event unit that contributed results to the message.

4.1.7.2 Header Values

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

Moreover, the header's attribute DocumentSubtype will be informed at event unit level, would be the cumulative results up to the end of the referenced event unit for the phases of Heats and Semi-finals (DDGEEEPUU, where EEE will be for the events of Individuals and Relays, and P will be '9' for Heats phase and '2' for Semi-finals phase).

4.1.7.3 Trigger and Frequency

Please, follow the general definition.

4.1.7.4 **Message Structure**

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

- ExtendedInfos /ExtendedInfo
- CumulativeResult /RecordIndicators /RecordIndicator
- CumulativeResult /ResultItems /ResultItem /Result

4.1.7.5 **Message Values**

The following table lists the Cumulative 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
CumulativeResult	Rank	0	Text	Rank of the competitor in the cumulative result in the corresponding phase (at the end of each event unit within a phase). This attribute is optional because the competitor could get an invalid rank mark (in this case, it will be blank).
	RankEqual	0	S(1) (Y)	Send 'Y' if the Rank is equalled.
	ResultType	M	CC @ResultType	Result type, either time or IRM for the cumulative result within the corresponding phase (see codes section)

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Element	Attribute	M/O	Value	Comments
Liement	Result	0	MM:SS.tt	The cumulative result within the
	Result		99:90.00	corresponding phase. This attribute is
			33.30.00	optional, send just in the case @ResultType
				is Time (see codes section).
				is time (see seeds seedon).
				Use Time format:
				MM is minutes
				SS is seconds
				tt is hundredths of second
	IRM	0	CC @IRM	The invalid rank mark (IRM) within the
				corresponding phase, in case it is assigned.
				Send just in the case @ResultType is IRM
				(see codes section)
	Qualification	0	CC	The code which gives an indication on the
	Mark		@QualificationMark	qualification of the competitor for the next
				round of the competition.
			Or	(see codes section)
			blank	Blank for non-qualified.
	SortOrder	M	Numeric	This attribute is a sequential number with
				the order of the results within the particular
				phase, 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
0 1 1 5 1				without rank.
CumulativeResult	Order	М	Numeric	Order is always "1" for the latest (best)
/RecordIndicators				record of each type broken/equalled up to
/RecordIndicator	Code	M	CC @RecordCode	the current phase.
	Code	IVI	CC @RecordCode	Code which describes the record broken by the CumulativeResult /Result value.
	RecordType	M	CC @RecordType	Code which specifies the level at which the
	Recolutype	IVI	CC @Recold Type	record is broken.
CumulativeResult	Phase	М	CC @Phase	Phase code of the latest RSC schedule item
/ResultItems	Tilasc	IVI	OO @1 Hasc	(either phase or unit) to which the
/ResultItem				cumulative result is updated to.
, rtoounitom				Possible values are:
				(9) Heats
				(2) Semi-finals
	Unit	М	CC @Unit	Unit code of the latest RSC schedule item to
				which the cumulative results is updated to.
CumulativeResult	Rank	0	Text	Rank of the competitor in the result for the
/ResultItems				event unit. This attribute is optional because
/ResultItem				the competitor could get an invalid rank
/Result				mark (in this case, it will be blank).
	RankEqual	0	S(1)	Send 'Y' if the Rank is equalled.
	ResultType	М	(Y) CC @ResultType	Result type, either time or IRM for the event
	i Nesult i ype	IVI	OO Sixesuiti ype	unit
				(see codes section)
		Ì	l	(000 00000 0001011)



Element	Attribute	M/O	Value	Comments
	Result	0	MM:SS.tt 99:90.00	The result of the competitor for the event unit. This attribute is optional, send just in the case @ResultType is Time (see codes section). Use Time format: MM is minutes SS is seconds tt is hundredths of second
	IRM	0	CC @IRM	The invalid rank mark (IRM) for the event unit, in case it is assigned. Send just in the case @ResultType is IRM (see codes section)

The following table describes in more detail the ExtendedInfos /ExtendedInfo element in the case of Swimming.

Element: Ex	Element: ExtendedInfos /ExtendedInfo							
Туре	Code	Extension Code	Pos	Value	Description			
EI_SW	SW_LAST_QUAL				Send proposed type For @Code: Send proposed code			
					For @Pos: Do not send anything			
					For @Value: Competitor's ID, to identify an athlete or a team according to the event, for the last qualified at this phase (it would be based on the rank of the competitor in the cumulative result at the end of each event unit within a phase).			

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

Type /Code /Extension Code	Description	Expected
	· ·	Always (for Individual and Relay events)

4.1.7.6 Message sort

Please, follow the general definition.



4.1.8 Records

4.1.8.1 **Description**

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

In the case of Swimming, the message has to be sent for all the competition events, according to the ODF Common Codes document (record codes values sheet).

Header Values 4.1.8.2

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

4.1.8.3 **Trigger and Frequency**

As soon as a record is broken and at any change.

4.1.8.4 **Message Structure**

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

- Record / Record Type / Record Entries / Record Entry / ExtRecord / ExtRecord
- Record / RecordType / RecordEntries / RecordEntry / Competitor / RecordData (for Relay event units)
- Record / RecordType / RecordEntries / RecordEntry / Competitor / Composition /Athlete /RecordData (for all event units except for Relay events).

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

4.1.8.5 **Message Values**

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

Element	Attribute	M/O	Value	Comments
Record	Code	М	CC @RecordType	Record type.
/RecordType	Subcode	0	WRC order if Code="WRC"	Mandatory in case of Code="WRC" ("World Record Chronology (Last 10 WR)").
Record /RecordType /RecordEntries	ResultType	М	CC @ResultType	"TIME" Indicate that the result type for the record is a time.
/RecordEntry /RecordData	Result	М	MM:SS.tt 99:90.00	The result of the competitor for the record. Use Time format: MM is minutes SS is seconds tt is hundredths of second

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Element	Attribute	M/O	Value	Comments
Record /RecordType /RecordEntries /RecordEntry	Historical	M	S(1) (Y, N)	Indicates if the record is achieved during the current competition or not. Send 'Y' if not (it is from a previous competition).
/Competitor /RecordData (just for team competitor's record)	RSC	0	Concatenation of the following: CC @Discipline CC @DisciplineGender CC @Event CC @Phase CC @Unit	RSC of the Event Unit for the current competition where the record is reached. Send always, is mandatory, in the case @Historical='N' (current competition).
	Time	0	MillisTime	The time where the record was broken in. Send always, is mandatory, in the case @Historical='N' (current competition).
	Country	M	CC @Country	Country code where the record was broken.
	Place	M	S(40)	The place (town or city) where the record was broken.
	Date	M	YYYYMMDD	The date where the record was broken (for the current competition, the date will be assumed as the date for the @RSC attribute according to its schedule)
	Event	0	S(40)	Text of the event name where the record was broken in a previous competition (e.g.: "World Championships", "Olympic Games", etc.). Send if it is available when @Historical='Y'.
Record /RecordType /RecordEntries /RecordEntry	Historical	M	S(1) (Y, N)	Indicates if the record is achieved during the current competition or not. Send 'Y' if not (it is from a previous competition).
/Competitor /Composition /Athlete /RecordData (just for individual athlete's record)	RSC	0	Concatenation of the following: CC @Discipline CC @DisciplineGender CC @Event CC @Phase CC @Unit	RSC of the Event Unit for the current competition where the record is reached. Send always, is mandatory, in the case @Historical='N' (current competition).
ŕ	Time	0	MillisTime	The time where the record was broken in. Send always, is mandatory, in the case @Historical='N' (current competition).
	Country	М	CC @Country	Country code where the record was broken.
	Place	М	S(40)	The place (town or city) where the record was broken.
	Date	M	YYYYMMDD	The date where the record was broken (for the current competition, the date will be assumed as the date for the @RSC attribute according to its schedule)



Records

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Element	Attribute	M/O	Value	Comments
	Event	0	S(40)	Text of the event name where the record was broken in a previous competition
				(e.g.: "World Championships", "Olympic
				Games", etc.).
				Send if it is available when
				@Historical='Y'.

The following table describes in more detail the Record /RecordType /RecordEntries /RecordEntry /Competitor /ExtRecords /ExtRecord element in the case of Swimming.

Element: Record	Element: Record /RecordType /RecordEntries /RecordEntry /Competitor /ExtRecords /ExtRecord						
Туре	Code	Pos	Value	Description			
ER_RECORD	SW_SPLIT	N(2) 99	MM:SS.tt 99:90.00	For @Type: Send proposed type			
				For @Code: Send proposed code			
				For @Pos: Sequential number from 1 to 99 for each split in the record, to indicate its number. It can be one or more (depending on the distance of the event unit).			
				For @Value: Split Time in the record			
				Use Time format: MM is minutes SS is seconds tt is hundredths of second			

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

Type /Code	Description	Expected
ER_RECORD /SW_SPLIT	•	If it applies. Just for events units which have splits time in the record.

4.1.8.6 Message sort

Please, follow the general definition.

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4.1.9 Discipline configuration

4.1.9.1 Description

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

4.1.9.2 Header Values

Please, follow the general definition.

4.1.9.3 Trigger and Frequency

Please, follow the general definition.

4.1.9.4 Message Structure

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

• Configs /Config /ExtendedConfig /ExtendedConfigItem

4.1.9.5 Message Values

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

The following table lists the "Discipline Configuration" optional attributes (defined in the ODF General Messages Interface Document) that are used in the case of Swimming, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Configs /Config	Gender	М	CC @DisciplineGender	Gender code of the RSC.
	Event	М	CC @Event	Event code of the RSC.
	Phase	0	CC @Phase	Phase code of the RSC.
				There are the following phases for:
				(9) Heats
				(2) Semi-finals
				(1) Final
				It should be informed just in the case
				that the Information is by Phase.
				Otherwise, do not include.

The following table describes in more detail the Configs /Config /ExtendedConfig element and its child element ExtendedConfigItem.

Element: Configs /Config /ExtendedConfig					
Туре	Code	ExtendedConfigItem Code	Pos	Value	Description
EC_SW	SW_EVENT_NO (Send by event)			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos : Do not send anything
					For @Value: Event Number to identify whole event (e.g.: 16 for "Men's 100m Freestyle", 20 for ""Women's 100m

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Discipline configuration



Туре	s /Config /ExtendedConfig Code	ExtendedConfigItem Code	Pos	Value	Description
					Freestyle", etc.)
	SW_NUM_GROUPS (Send by phase)			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Total number of groups per phase (except for the Final) i.e.: -for Heats phase: the total number of heats, -for Semi-finals: the total number of semi-finals.
	SW_RACE_DISTANCE (Send by event)	=		N(4) 9990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Distance for the event, from start until finish line (in meters).
	SW_SPLIT (Send by event)		N(2) 90		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos Send the number that identifies each of the split points (according to the Individual/Relay event distance, from 1 to n, where n is when the race finishes). (e.g.: for 100m events, 2 splits: (1):50m, (2):100m -the finishfor 200m events, 4 splits: (1):50m, (2):100m, (3):150m, (4):200m -the finish-)
		OW DIOT :::07			For @Value: Do not send anything
		SW_DISTANCE		N(4) 9990	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code



Туре	Code	ExtendedConfigItem	Pos	Value	Description
		Code			
					For @Pos:
					Do not send anything
					For @Value: Distance from start at the
					split point (in meters).
		SW_LAST		S(1)	For @Type:
				(Y)	Send proposed code (a
					type)
					For @Code:
					Send proposed extension code
					For @Pos: Do not send anything
					For @Value:
					Send 'Y' for the last sp
					point (the finish).
		SW_STROKE		CC	For @Type:
				@Stroke	Send proposed code (a
					type) For @Code:
					Send proposed extension
					code
					For @Pos:
					Do not send anything
					For @Value:
					Stroke for the split Individual / Relay Medic
					events.
					There are 4 strokes as
					follows for:
					(1) Freestyle (2) Butterfly
					(3) Breaststroke
					(4) Backstroke
	SW_CYCLE		N(1)	S(10)	For @Type:
	(Send by event)		9		Send proposed type
					For @Code: Send proposed code
					For @Pos:
					Send the number of ear
					cycle for Relay events, fro
					1 to 8. There will be alwa
					2 cycles per le independent of the to
					distance of the event for t
					team (400m for 4x100m
					800m for 4x200m)
					For @Value:
					Send the label for eacycle related to the spl
					points included in each or
					(1 or 2, according to the
				İ	total distance of the eve



Туре	Code	ExtendedConfigItem Code	Pos	Value	Description
					for the team). (e.g.: for 4x100m (1 split per cycle): "50m", "100m", "150m",,"400m" for 4x200m (2 splits per cycle): "50m/100m", "150m/200m", "250m/300m",,"750m/800m")
EC_QUALIFICATION_ RULE	QR_RANK_QUALIFY_N EXT_ROUND (Send by phase)		N(1) 9	N(2) 90	For @Type: Send proposed type For @Code: Send proposed code for the qualification rule. QR_RANK_QUALIFY_NEX T_ROUND is the code that indicates the qualification for next round based on rank. For @Pos: Send 1 to indicate first rank included in the @Code rule. Send 2 to indicate last rank included in the @Code rule. Send 2 to indicate last rank included in the @Code rule. For @Value: Send the rank according to @Code rule and @Pos (i.e.: for Individual - heats phase, will be: Pos=1, Value=1 Pos=2, Value=16 It means 1-16 ranks from the current phase will

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

Type /Code /ExtendedConfigItem Code	Description	Expected
EC_SW /SW_EVENT_NO	It's the Event number by gender and event.	Send by event, always that the information is available.
EC_SW /SW_NUM_GROUPS	It's the total number of groups (heats or semi-finals) per phase if apply.	Send by phase (except for Final), when it is available.
EC_SW /SW_RACE_DISTANCE	Final distance for the event, from start until finish line. For relay events, the total distance of the event for the team (400m for 4x100m or 800m for 4x200m)	has more sense for the events without split points, as 50m
EC_SW /SW_SPLIT /SW_DISTANCE	Split points defined for event, according to the event distance (split number,	



Type /Code /ExtendedConfigItem Code	Description	Expected
/SW_LAST	distance from start and indicating which the last one is).	
EC_SW /SW_SPLIT /SW_STROKE	Split points defined for event, according to the event distance (stroke for each one in Individual / Relay Medley).	
EC_SW /SW_CYCLE	Cycles defined for Relay events, 8 in total (2 cycles per leg), related to the splits points included in each one (1 or 2, according to the total distance of the event for the team).	events)
EC_QUALIFICATION_RULE /QR_RANK_QUALIFY_NEXT_ROUND		Send by phase (except for Finals), always if the rule applies to the competition.

4.1.9.6 Message sort

Please, follow the general definition.



5 Real time

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

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

Message Type	•	_	Message extended	Para-Sport events	
		this sport	document	used in this sport	Message extended in this document
DT_RT_GM	RT Discipline/Venue good morning	X		X	
DT_RT_GN	RT Discipline/venue good night	X		X	
DT_RT_KA	RT Discipline/venue keep alive	Х		Х	
DT_RT_CLOCK	RT Clock				
DT_RT_RESULT	RT Event Unit Results	Х	Х	Х	Х
DT_RT_CUMULATIVE_RESULT	RT Cumulative Results	X	X	X	Х



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"
 - o T1: Trigger at the beginning of the race.
 - T2: Trigger when an athlete completes a split.
 - T3: Trigger when the leader completes a split.
 - T4: Trigger when an athlete finishes a leg (there is a change of athletes) for Relay events only.
 - T5: Trigger when an athlete or team breaks a Record or equalled.
 - T6: Trigger when a competitor obtains an invalid result mark (during the race).
 - T7: Trigger when an athlete or team (the last competitor) arrives to finish.
 - o T8: Trigger when a race finishes
- 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 Swimming are:

- UnitInfos /UnitDateTime (following the general rules for this element)
- UnitInfos /UnitInfo
- UnitInfos /UnitInfo /Extensions
- Result /RecordIndicators /RecordIndicator
- Result /Competitor /ExtendedResults /ExtendedResult (for Relay event units)
- Result /Competitor /ExtendedResults /ExtendedResult /Extensions (for Relay event units)
- Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (for all event units; in the case of Relay, team members' detailed results).
- Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extensions (for all event units; in the case of Relay, team members' detailed results).

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/	Value	Comments	LIVE_UPDATE
		0			RT trigger expected
Result	Rank	0	Text	Rank of the competitor in the corresponding event unit. This attribute is optional because the competitor could get an invalid rank mark (in this case, it will be blank).	T2 or T3 T7, T8
	RankEqual	0	S(1) (Y,N)	Send 'Y' if the Rank is equalled. Send "N" only if Rank was equalled in previous RT message and is not equalled anymore.	T2 or T3 T7, T8
	ResultType	0	CC @ResultType	Result type, either time or IRM for the corresponding event unit (see codes section)	T6, T7, T8
	Result	0	MM:SS.tt 99:90.00	Result for the particular event unit. This attribute is optional, send just in the case @ResultType is Time (see codes section). Use Time format: MM is minutes SS is seconds	Т7, Т8
	IRM	0	CC @IRM	tt is hundredths of second The invalid result mark (IRM) for the particular event unit, in case it is assigned. Send just in the case @ResultType is IRM (see codes section)	T6, T7, T8
	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.	T2 or T3 T7, T8
Result /RecordIndicators /RecordIndicator	Order	M	Numeric	Order is always "1" for records broken/equalled in this Event Unit.	T5, T7, T8
	Code	M	CC @RecordCode	Code which describes the record broken by the result value.	T5, T7, T8
	RecordType	М	CC @RecordType	Code which specifies the level at which the record is broken.	



The following table describes in more detail the UnitInfos /UnitInfo element and its child element Extensions in the case of Swimming.

Element: Unitl	nfos /UnitInfo				
Туре	Code	Extension Code	Pos	Value	Description
UI_RESULTS	SW_CURRENT_SPLIT			N(2) 90	For @Type: Send proposed type For @Code:
					Send proposed code For @Pos: Do not send anything
					For @Value: Number of the current split result point (according to the SW_SPLIT @Pos of "Discipline Configuration" message).
	SW_CURRENT_CYCLE			N(1) 9	For @Type: Send proposed type
					For @Code: Send proposed code For @Pos:
					Do not send anything For @Value: Number of the current cycle result point (according to the SW_CYCLE @Pos of "Discipline Configuration" message).
	SW_LEADER_SPLIT		N(2) 90		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send number of the current split point.
					For @Value: Do not send anything
		SW_LEADER			For @Type: Send proposed code (as type) For @Code:
					Send proposed extension code For @Pos: Do not send anything
					For @Value: Athlete's ID, to identify an athlete, for the leader at this split point.
		SW_DIFF_WC		-SS.tt -90.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos:



Element: UnitInfos /UnitInfo						
Туре	Code	Extension Code	Pos	Value	Description	
					Do not send anything	
					For @Value: Time behind the WR (World Record) for leader and all under WR split based on this split point.	

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

Type /Code	Description	Expected	
/Extension Code			
UI_RESULTS /SW_CURRENT_SPLIT	Individual events -except 50m- and	Individual events (except 50m) and Relay events: T1, T2 or T3	
UI_RESULTS /SW_CURRENT_CYCLE	Number of current cycle split point (for Relay event units), according to the SW_CYCLE @Pos of the "Discipline Configuration" message	Just for Relay events: T1, T2 or T3, T4	
UI_RESULTS /SW_LEADER_SPLIT	Send the athlete ID for leader at the	Just for Individual events	
/SW_LEADER	current split point, with the time behind	(except 50m):	
/SW_DIFF_WC	the WR (World Record).	T3 (for each split except for the last -at finish-)	

The following table describes in more detail the Result /Competitor /ExtendedResults /ExtendedResult element and its child element Extensions (only for Relay event units).

Element:	Element: Result /Competitor /ExtendedResults /ExtendedResult						
Туре	Code	Extension Code	Pos	Value	Description		
ER_SW	SW_LEG_CYCLE		N(2) 90	N(1) 9	For @Type: Send proposed type		
					For @Code: Send proposed code		
					For @Pos: Number of cycle, two per leg. It's a sequential number from 1 to 16, between different legs of the team. (e.g.: Pos=12 for 1 st leg, Pos=34 for 2 nd leg, etc.)		
					For @Value: Number of the leg (team members), from 1 to 4, for Relay.		
		SW_T_RANK		N(1) 9	For @Type: Send proposed code (as type)		
					For @Code: Send proposed extension code		



	t: Result /Competitor /ExtendedResults /ExtendedResult					
уре	Code	Extension Code	Pos	Value	Description	
					For @Pos: Do not send anything	
					For @Value:	
					Rank of cumulative split at thi	
					leg (for the team).	
		SW_T_ERANK		S(1)	For @Type:	
				(Y, N)	Send proposed code (as type)	
					For @Code:	
					Send proposed extension code	
					For @Pos:	
					Do not send anything	
					For @Value:	
					It identifies if the rank at this leg (for the team) has been	
					equalled (send "Y" in this case)	
					or not and has changed (send	
					"N").	
		SW_T_TIME		MM:SS.tt	For @Type:	
				99:90.00	Send proposed code (as type)	
					For @Code:	
					Send proposed extension code For @Pos:	
					Do not send anything	
					For @Value:	
					Send the cumulative split tim	
					at this leg (for the team).	
					Use Time format:	
					MM is minutes	
					SS is seconds	
		CW DECORD MARK		CC	tt is hundredths of second	
		SW_RECORD_MARK		@RecordType	For @Type: Send proposed code (as type)	
				@ recoold rype	For @Code:	
					Send proposed extension code	
					For @Pos:	
					Do not send anything	
					For @Value:	
					Send the record broken at thi	
					split point (when swimmer'	
					cumulative split time is a Official record), by the first lea	
					of the team.	
	SW_LAST_FINISHED		N(2)	S(1)	For @Type:	
			90 ′	(Y,Ń)	Send proposed type	
					For @Code:	
					Send proposed code	
					For @ Pos:	
					Number of cycle, two per leg.	
					It's a sequential number from to 16, between different legs of	
					the team.	
					(e.g.: Pos=12 for 1 st leg,	



Element	Element: Result /Competitor /ExtendedResults /ExtendedResult						
Туре	Code	Extension Code	Pos	Value	Description		
					Pos=34 for 2 nd leg, etc.) Send '0' when the team has finished the race.		
					For @Value: Send "Y" when the last time corresponds to this competitor (finishes the race), "N" otherwise.		

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

Type /Code		Description	Expected
	/Extension Code		
EF	R_SW /SW_LEG_CYCLE	Team's performance at each cycle (two for each leg) with their corresponding splits points, and according to the cycles defined in the message "Discipline Configuration" (SW_CYCLE attribute).	Just for Relay event units: T2, T4, T7 and T5 (if it applies)
	/SW_T_RANK	Rank of the team at this leg.	Always
	/SW_T_ERANK	Equalled rank indicator of the team at this leg.	Always (if it applies)
	/SW_T_TIME	Result time of the team at this leg.	Always
	/SW_RECORD_MARK	Record mark at this split for cumulative split time when break an Official record (World, Commonwealth or Area/Continental record).	If applies: T5 (only for the first leg of the team)
ER_SW /SW_LAST_FINISHED		Indicates that this competitor has just finished the race.	Just for Relay event units: T2, T4, T7 and T5 (if it applies)

The following table describes in more detail the Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element and its child element Extensions (for all event units).

Element:	Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult						
Туре	Code	Extension Code	Pos	Value	Description		
ER_SW	SW_REACTION_TIME			S.tt 0.00	For @Type: Send proposed type		
					For @Code: Send proposed code		
					For @ Pos: Do not send anything		
					For @Value: Reaction time of the athlete		
					Use Time format: S is seconds tt is hundredths of second		
	SW_SPLIT		N(2) 90		For @Type: Send proposed type		
					For @Code: Send proposed code		
					For @Pos: The number that identifies the split point, from 1 to the total number of		



ре	Code	Extension Code	Pos	Value	Description
<i>.</i>	Coue	Extension code	1 03	value	splits result points.
					For @Value:
					Do not send anything
		SW_RANK		N(1)	For @Type:
		OVV_IVAIVIV		9	Send proposed code (as type)
					For @Code:
					Send proposed extension code
					For @Pos:
					Do not send anything
					For @Value:
					Cumulative rank at this split point.
		SW_ERANK		S(1)	For @Type:
				(Y, N)	Send proposed code (as type)
					For @Code:
					Send proposed extension code
					For @Pos:
					Do not send anything
					For @Value:
					It identifies if the rank at this split point has been equalled (send "Y"
					in this case), or not and has
					changed (send "N").
		SW_TIME		MM:SS.tt	For @Type:
				99:90.00	Send proposed code (as type)
					For @Code:
					Send proposed extension code
					For @Pos:
					Do not send anything
					For @Value:
					Time result from the start of the race up to this split point. Is
					cumulative result time.
					Use Time format:
					MM is minutes SS is seconds
					tt is hundredths of second
		SW_SPLIT_RECORD		cc	For @Type:
		SW_SFLIT_KLCOKD		@RecordType	Send proposed code (as type)
				() () () () () () () () () ()	For @Code:
					Send proposed extension code
					For @Pos:
					Do not send anything
					For @Value:
					Send the record broken at this
					split point (when swimmer's split
					time is a World or Commonwealth
	OW LACE CIVIOLIES		NIA	C(4)	record respectively).
	SW_LAST_FINISHED		N(1)	S(1) (Y,N)	For @Type: Send proposed type
			ا ع	(1,14)	For @Code:
	i .			Ī	ILOI @COOR.



Elemen	Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult						
Туре	Code	Extension Code	Pos	Value	Description		
					For @ Pos: The number that identifies the split point, from 1 to the total number of splits result points. Send '0' when the athlete has finished the race.		
					For @Value: Send "Y" when the last time corresponds to this competitor (completes/finishes a split or finishes the race), "N" otherwise.		
	SW_CURRENT_COM PETITOR			S(1) (Y,N)	For @Type: Send proposed type		
					For @Code: Send proposed code		
					For @ Pos: Do not send anything		
					For @Value: Send "Y" when this competitor is currently swimming, and "N" otherwise (if not and it has changed).		

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

Тур	e /Code	Description	Expected		
	/Extension Code				
ER_	SW /SW_REACTION_TIME	Reaction time of the athlete	Individual and Relay events: T1, T4		
ER_SW /SW_SPLIT		Athlete's split data for each of the split points in the event (from 1 to n, according to the Individual event distance defined in the "Discipline Configuration" message as: 12 for 100m events, 14 for 200m events, etc.) except for the last split (so i.e.: 1 for 100m events, 13 for 200m events, etc.).	Individual events (except 50m): T2 (except for the last split)		
	/SW_RANK	Cumulative rank at this split point.	Always		
	/SW_ERANK	Equalled rank indicator at this split point.	Always (if it applies)		
	/SW_TIME	Time result from the start of the race up to this split point.	Always		
	/SW_SPLIT_RECORD	The record broken at this split point (when swimmer's split time is a World or Olympic record respectively).	Just for Individual events (If it applies)		
ER_SW /SW_LAST_FINISHED		Indicates that this competitor has just finished a split or the race.	T2		
ER_SW /SW_CURRENT_COMPETITOR		Indicates that this competitor (corresponding to the athlete/leg -as team member-) is currently in the pool.	Just for Relay events: T1, T4		

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.

In the case of Swimming, the message has to be sent up to the end of an event unit within a phase (just for the phases Heats and Semi-finals) of Individual and Relay events.

The RT Cumulative Results message is used to send an interim summary of results (including rank) part way through a phase. In this case, the DocumentSubtype is used to specify the last phase or event unit that contributed results to the message.

5.1.2.2 Header Values

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

Moreover, the header's attribute DocumentSubtype will be informed at event unit level, would be the cumulative results up to the end of the referenced event unit for the phases of Heats and Semi-finals (DDGEEEPUU, where EEE will be for the events of Individuals and Relays, and P will be '9' for Heats phase and '2' for Semi-finals phase).

5.1.2.3 Trigger and Frequency

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

- ResultStatus="LIVE UPDATE"
 - T1: Trigger at the beginning of the race
 - T2: Trigger when a race finishes
- 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 Swimming are:

- ExtendedInfos /ExtendedInfo
- CumulativeResult /RecordIndicators /RecordIndicator
- CumulativeResult /ResultItems /ResultItem /Result

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 CumulativeResult element and its child elements RecordsIndicators and ResultsItems.

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE
					RT trigger
					expected

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Element Attribute M/O		Value	Comments	LIVE LIDDATE	
Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
CumulativeResult	Rank	0	Text	Rank of the competitor in the cumulative result in the corresponding phase (at the end of each event unit within a phase). This attribute is optional because the competitor could get an invalid rank mark (in this case, it will be blank).	Individual/Relay events: T1, T2
	RankEqual	0	S(1) (Y,N)	Send 'Y' if the Rank is equalled. Send "N" only if Rank was equalled in previous RT message and is not equalled anymore.	
	ResultType	M	CC @ResultType	Result type, either time or IRM for the cumulative result within the corresponding phase (see codes section)	
	Result	0	MM:SS.tt 99:90.00	The cumulative result within the corresponding phase. This attribute is optional, send just in the case @ResultType is Time (see codes section).	
				Use Time format: MM is minutes SS is seconds tt is hundredths of second	
	IRM	0	CC @IRM	The invalid rank mark (IRM) within the corresponding phase, in case it is assigned.	
				Send just in the case @ResultType is IRM (see codes section)	
	Qualification Mark	0	CC @Qualification Mark Or	The code which gives an indication on the qualification of the competitor for the next round of the competition. (see codes section)	
	SortOrder	М	blank Numeric	Blank for non-qualified. This attribute is a sequential number with the order of the results within the particular phase, 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.	
CumulativeResult /RecordIndicators /RecordIndicator	Order	M	Numeric	Order is always "1" for the latest (best) record of each type broken/equalled up to the current phase.	Individual/Relay events: T1, T2



Clement	A44wila : -4 a	MO	Value	Comments	LIVE LIBBATE
Element	Attribute	M/O	value	Comments	LIVE_UPDATE RT trigger expected
	Code	M	CC @RecordCode	Code which describes the record broken by the CumulativeResult /Result value.	
	RecordType	М	CC @RecordType	Code which specifies the level at which the record is broken.	
CumulativeResult /ResultItems /ResultItem	Phase	M	CC @Phase	Phase code of the latest RSC schedule item (either phase or unit) to which the cumulative result is updated to. Possible values are: (9) Heats (2) Semi-finals	Individual/Relay events: T2
	Unit	M	CC @Unit	Unit code of the latest RSC schedule item to which the cumulative results is updated to.	
CumulativeResult /ResultItems /ResultItem /Result	Rank	0	Text	Rank of the competitor in the result for the event unit. This attribute is optional because the competitor could get an invalid rank mark (in this case, it will be blank).	Individual/Relay events: T2
	RankEqual	0	S(1) (Y,N)	Send 'Y' if the Rank is equalled. Send "N" only if Rank was equalled in previous RT message and is not equalled anymore.	
	ResultType	М	CC @ResultType	Result type, either time or IRM for the event unit (see codes section)	
	Result	O	MM:SS.tt 99:90.00	The result of the competitor for the event unit. This attribute is optional, send just in the case @ResultType is Time (see codes section). Use Time format: MM is minutes	
	IDM		CC @IDM	SS is seconds tt is hundredths of second	
	IRM	0	CC @IRM	The invalid rank mark (IRM) for the event unit, in case it is assigned.	
				Send just in the case @ResultType is IRM (see codes section)	

The following table describes in more detail the ExtendedInfos /ExtendedInfo element in the case of Swimming.

Element: ExtendedInfos /ExtendedInfo					
Туре		Extension Code	Pos	Value	Description



Element: Extend	Element: ExtendedInfos /ExtendedInfo							
Туре	Code	Extension Code	Pos	Value	Description			
EI_SW	SW_LAST_QUAL			S(20) with no leading zeroes	For @Type: Send proposed type			
					For @Code: Send proposed code			
					For @Pos: Do not send anything			
					For @Value: Competitor's ID, to identify an athlete or a team according to the event, for the last qualified at this phase (it would be based on the rank of the competitor in the cumulative result at the end of each event unit within a phase).			

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

Type /Code /Extension Code	Description	Expected
	The competitor ID for the last qualified at the corresponding phase (based in the cumulative result at the end of each event unit within a phase).	Individual and Relay events: T1, T2

5.1.2.6 Message sort

Please, follow the general definition.



6 PDF feed

6.1 PDF Applicable Messages

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



DOCUMENT CONTROL

Version history

Version	Date	Comments
R1 v1.0	15 Mar 2013	First version (Submitted for Review version)
R1 v1.1	12 Apr 2013	SFA version
R1 v1.2	19 Apr 2013	APP version
R1 v1.3	01 Aug 2013	Pre-integration comments included and some issues/improvements - (external delivery)
R1 v1.4	16 Jan 2014	Some minor issues/improvements - (external delivery)

File reference: ODF/INT136 R1 v1.4 APP (SW)

Change Log

Version	Status	Changes on version
R1 v1.0	SFR	First version
R1 v1.1	SFA	Submitted for Approval version
R1 v1.2	APP	Approved version
R1 v1.3	APP	(def.#85008) DT_CONFIG: Updated the extended code SW_STROKE (of the code SW_SPLIT) to be sent also for Medley Relay events (def.#95131 - after pre-integration) DT_RT_RESULT: Updated the code SW_CURRENT_SPLIT to be sent also for Relay events.
R1 v1.4	APP	 Updated the DT_POOL_STANDING message name (in section 4.1). DT_PARTIC_TEAMS / DT_PARTIC_TEAMS_UPDATE: Included the reference to the optional element Team /Composition /Athlete. DT_RESULT: Included the SW_DIFF code for Individual event units at element Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (removed by mistake).



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