



INTERNATIONAL OLYMPIC COMMITTEE

ODF/INT031 R2 v11.0 APP (CT)

Olympic Data Feed

ODF Cycling Track Data Dictionary

22 June 2012
Technology Department
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1 Introduction

1.1 This document

This document includes the ODF Cycling Track Data Dictionary. This Data Dictionary refines the messages described in the ODF Central Messages Interface Document and ODF Sport Messages Interface Document specifically for Cycling Track, 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 Cycling Track Data Dictionary, with the intention that the information message producer and the message consumer can successfully interchange the information as the Cycling Track competition is run.

1.3 Main Audience

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

1.4 Glossary

The following abbreviations are used in this document

- **IF** – International Federation
- **IOC** – International Olympic Committee
- **NOC** – National Olympic Committee
- **ODF** – Olympic Data Feed
- **ODF-RT** – Olympic Data Feed Real Time
- **RSC** – Results System Codes
- **CT** – Cycling Track
- **WNPA** – World News Press Agencies

1.5 Related Documents

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



		users
ODF/COD001	ODF Common Codes Document	This document describes the ODF codes used across the rest of the ODF documents
ODF/INT003	ODF Central Messages Interface Document	This document describes the ODF central messages
ODF/INT004	ODF Sport Messages Interface Document	This document describes the ODF sport messages, generated independently by each sport



2 Overall Perspective

2.1 Objective

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

2.2 End to End data flow

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

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

Any ODF Cycling Track 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.

Code Entity	Code Entity Set of Values	
CC @BracketItemsCode	Code	Description
	1_16	1/16 Finals
	1_16_RPC	1/16 Finals Repechage
	1_8	1/8 Finals
	1_8_RPC	1/8 Finals Repechage
	5_8	Finals 5-8
	9_12	Finals 9-12
	QFL	Quarterfinal
	SFL	Semifinal
FNL	Final	
CC@Code (for brackets)	Code	Description
	FNL	Current Phase in the competition
CC @CompetitorPlace	Code	Description
	BYE	There is no competitor, the other team/athlete passes directly to the next round
	UNK	The competitor is not known yet
CC @IRM	Code	Description
	DNF	Did not finish
	DNS	Did not start
	DSQ	Disqualified
	OVL	Overlapped
	REL	Relegated
CC @QualificationMark	Code	Description
	Q	Qualification
	R	Repechage
CC @RecordCode	Defined in ODF Common Codes Document See entity Record Code <ul style="list-style-type: none"> The entity's attribute to be used is Code 	
CC @RecordType	Defined in ODF Common Codes Document See entity Record Type <ul style="list-style-type: none"> The entity's attribute to be used is Code It will be related to Discipline 	



CC @ResultType	Code	Description
	IRM	Invalid Result Mark
	IRM_TIME	Send both, Time and IRM
	IRM_POINTS	Send both, Points and IRM
	POINTS	Points
	TIME	Time



4 Cycling Track Data Extension

4.1 General Issues

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

4.1.1 ODF header

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

- ODF Header: DocumentCode.

4.1.2 Attributes Definition

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



5 Point in Time

5.1 Point in Time Applicable Messages

The following table is a full list of all ODF messages and describes the list of messages used in Cycling Track, as well as the category of each message, which identifies if the message structure definition can be found either in the ODF Sport Messages Interface Document or ODF Central Messages Interface Document.

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

Message Type	Message name	Message documented	Message used in this sport	Message extended in this document
DT_SCHEDULE	Competition schedule	Central	X	
DT_SCHEDULE_UPDATE	Competition schedule update	Central	X	
DT_PARTIC	List of participants by discipline	Central	X	X
DT_PARTIC_UPDATE	List of participants by discipline update	Central	X	X
DT_PARTIC_TEAMS	List of teams	Central	X	X
DT_PARTIC_TEAMS_UPDATE	List of teams update	Central	X	X
DT_PARTIC_HORSES	List of equestrian horses	Central		
DT_PARTIC_HORSES_UPDATE	List of equestrian horses update	Central		
DT_MEDALS	Medal standings	Central	Global	
DT_MEDALLISTS_DAY	Medallists of the day	Central	Global	
DT_HISTORIC_RECORD	Historical records	Central	X	X
DT_HIST_REC_UPDATE	Historical records update	Central	X	X
DT_GLOBAL_GM	Global good morning	Central	Global	



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



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

5.1.1.1 Description

This message is the List of participants (athletes and officials) by discipline (and the update) as described in the ODF Central Messages Interface Document.

5.1.1.2 Header Values

The definition in the ODF Central Messages Interface Document is valid

5.1.1.3 Trigger and Frequency

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

5.1.1.4 Message Structure

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

- RegisteredEvent

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 Sport Messages Interface Document) that are used in the case Cycling Track, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Competition /Participant	BirthDate	O	YYYYMMD D	Date of birth. It will be included if available
	MainFunctionId	O	CC @Function	Main function. In case of Current=True, this attribute is mandatory
Competition /Participant /Discipline	International FederationId	O	S(16)	UCI Code (competitor’s federation number for the discipline). It will be included
Competition /Participant /Discipline /RegisteredEvent	Bib	O	String	Race number. It will be included if available

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

Element: EventEntry				
Type	Code	Pos	Value	Description
E_ENTRY	E_SUBSTITUTE		S(1)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send Y in case of the participant is a substitute



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

Type /Code	Description	Expected
E_ENTRY /E_SUBSTITUTE	Send Y in case of the participant is a substitute	If applies (this information can be sent in both messages)

5.1.1.6 Message sort

Please, follow the general definition.



5.1.2 List of teams /List of teams update

5.1.2.1 Description

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

5.1.2.2 Header Values

The definition in the ODF Central Messages Interface Document is valid

5.1.2.3 Trigger and Frequency

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

5.1.2.4 Message Structure

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

- Composition and its child element

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

5.1.2.5 Message Values

The following table lists the “List of teams/update” optional attributes (defined in the ODF Sport Messages Interface Document) that are used in the case Cycling Track, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Competition /Team /Discipline /RegisteredEvent	Bib	O	String	Race number. It will be included if available

5.1.2.6 Message sort

Please, follow the general definition.



5.1.3 Historical records /Historical records update

5.1.3.1 Description

This message is the Historical records message as described in the ODF Central 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.

5.1.3.4 Message Structure

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

- N/A

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

5.1.3.5 Message Values

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

Element	Attribute	M/O	Value	Comments
RecordType /RecordData	ResultType	M	CC @ResultType	Always TIME
	Result	M	MM:SS.ttt 99:90.000	Record time

5.1.3.6 Message sort

Please, follow the general definition.



5.1.4 Start List

5.1.4.1 Description

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

5.1.4.2 Header Values

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

5.1.4.3 Trigger and Frequency

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

- As soon as available and whenever modified.
- If any athlete or team notified as DNS (or any other result) this is to be updated on right.

5.1.4.4 Message Structure

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

- UnitInfos and its child element UnitDateTime (following the general rules for this element)
- Start /Competitor /EventUnitEntry
- Start /Competitor /Composition /Athlete /EventUnitEntry

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

5.1.4.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Start	StartOrder	O	Numeric	According to the sport rules
	SortOrder	M	Numeric	According to the sport rules
Start /Competitor /Composition /Athlete	Bib	O	String	Individual athlete's race number (if Competitor @Type="A") or team member's race number (if Competitor @Type="T")
	Order	M	Numeric	Used to sort team members in a team (if Competitor @Type="T" or "G") or 1 if Competitor @Type="A"

Send UnitDateTime.

The following table describes in more detail the UnitInfos /UnitInfo element in the case of Cycling Track.

Element: UnitInfos /UnitInfo



Type	Code	Pos	Value	Description
UI_CT	CT_COMMUNIQUE		S(N)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Communiqué number
	CT_HEAT_NUMBER		N(2) 90	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Heat number for the event unit

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

Type /Code	Description	Expected
UI_CT /CT_COMMUNIQUE	Communiqué number	Always
UI_CT /CT_HEAT_NUMBER	Heat number for the event unit	Send for Team Pursuit First Round, Team Sprint Qualifying and First Round, Sprint 1/16 Finals, 1/16 Final Repechages, 1/8 Finals, 1/8 Final Repechages, Quarterfinals, Semifinals, Finals 1-2 and 3-4 and Keirin First Round, First Round Repechages and Second Round.

The following table describes in more detail the Start /Competitor /EventUnitEntry element in the case of Cycling Track.

Element: Start /Competitor /EventUnitEntry				
Type	Code	Pos	Value	Description
EUE_CT	CT_HEAT_NUMBER		N(2) 90	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Heat number for a team
	CT_IRM		CC @IRM	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Send in case of DNS or other possible results before the race



	CT_WARNING		S(1)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Send Y in case of the team has received a warning in a previous race

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

Type /Code	Description	Expected
EUE_CT /CT_HEAT_NUMBER	Heat number for a team	Send for Team Pursuit Qualifying
EUE_CT /CT_IRM	Send in case of DNS or other possible results before the race	Just if applies, send for Team Pursuit (all phases) and Team Sprint (all phases)
EUE_CT /CT_WARNING	Send Y in case of the team has received a warning in a previous race	Just if applies, send for Team Pursuit (all phases) and Team Sprint (all phases)

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

Element: Start /Competitor /Composition /Athlete /EventUnitEntry				
Type	Code	Pos	Value	Description
EUE_CT	CT_HEAT_NUMBER		N(2) 90	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Heat number for individuals
	CT_ORDER_HEAT		N(1) 0	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Order of the racer at the heat
	CT_LINEUP_LOCATION		N(1) 0	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Line-up location. Send 1 for fence and 2 for the blue



				band
	CT_IRM		CC @IRM	For @Type: Send proposed type For @Code: Send proposed code For @Pos : Do not send anything For @Value: Send in case of DNS or other possible results before the race
	CT_WARNING		S(1)	For @Type: Send proposed type For @Code: Send proposed code For @Pos : Do not send anything For @Value: Send Y in case of the rider has received a warning in a previous race

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

Type /Code	Description	Expected
EUE_CT /CT_HEAT_NUMBER	Heat number for individuals	Send for Omnium Individual Pursuit, Omnium Time Trial.
EUE_CT /CT_ORDER_HEAT	Send the order of the racer at the heat	Send for Omnium Individual Pursuit, Omnium Time Trial.
EUE_CT /CT_LINEUP_LOCATION	Line-up location. Send 1 for fence and 2 for blue band	Send for Omnium Points Race, Omnium Elimination Race and Omnium Scratch Race.
EUE_CT /CT_IRM	Send in case of DNS or other possible results before the race.	Just if applies
EUE_CT /CT_WARNING	Send Y in case of the rider has received a warning in a previous race	Just if applies

5.1.4.6 Message sort

Please, follow the general definition.



5.1.5 Event Unit Results

5.1.5.1 Description

This message is the Event Unit Results message as described in the ODF Sport 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).

5.1.5.3 Trigger and Frequency

Please, follow the general definition.

5.1.5.4 Message Structure

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

- PhaseInfos and its child element PhaseInfo
- RecordIndicators and its child element RecordIndicator
- UnitInfos and its child element UnitDateTime (following the general rules for this element)
- Result /Competitor /ExtendedResults and its child element ExtendedResult
- Result /Competitor /Composition /Athlete /ExtendedResults and its child element ExtendedResult

5.1.5.5 Message Values

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

The following table describes in more detail the Result element in the case of Cycling Track.

Element	Attribute	M/O	Value	Comments
Result	Rank	O	N(2) 90	Rank for the competitor at the event unit. The Rank is by phase in case of Finals or Team Sprint Qualifying event units
	RankEqual	O	S(1)	Send Y in case of an equalled Rank
	ResultType	O	CC @ResultType	Result type, either TIME or IRM or IRM_TIME or POINTS or IRM_POINTS
	Result	O	MM:SS.tt 99:90.000 (time) or N(2) 90 (points) or -N(2) -90 (points)	Send just if ResultType is different from IRM. Time result or Points (just for Omnium Points Race)
	IRM	O	CC @IRM	Invalid result mark. Send just if ResultType is equal to IRM or IRM_TIME or IRM_POINTS



Element	Attribute	M/O	Value	Comments
	QualificationMark	O	CC @QualificationMark	If applies
	SortOrder	M	N(2) 90	According to the sport rules

The following table describes in more detail the RecordIndicator element in the case of Cycling Track. This element just applies to the Sprint, Team Sprint, Team Pursuit, Omnium Individual Pursuit and Omnium Time Trial event units.

Element	Attribute	M/O	Value	Comments
Result /RecordIndicators /RecordIndicator	Order	M	Numeric	Deprecated: For London, Order is always '1' for records broken/equalled in this Event Unit.
	Code	M	CC @RecordCode	Code which describes the record broken by the result value (e.g. "CTM001900").
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken (e.g. "OR").

The following table describes in more detail the Competition /PhaseInfos /PhaseInfo element in the case of Cycling Track.

Element: Competition /PhaseInfos /PhaseInfo				
Type	Code	Pos	Value	Description
PI_CT	CT_PHASE_COMPLETED		S(1)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Phase completed indicator

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

Type /Code	Description	Expected
PI_CT /CT_PHASE_COMPLETED	Send Y in case of the phase is completed	If applies

The following table describes in more detail the Competition /UnitInfos /UnitInfo element in the case of Cycling Track.

Element: Competition /UnitInfos /UnitInfo				
Type	Code	Pos	Value	Description
UI_CT	CT_COMMUNIQUE		S(n)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Communiqué number
	CT_LAST_HEAT		N(1)	For @Type:



Element: Competition /UnitInfos /UnitInfo				
Type	Code	Pos	Value	Description
	(for Omnium Individual Pursuit and Omnium Time Trial)		0	Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the heat/race number of the last finished competitor
	CT_ELAPSED_TIME		MM:SS.ttt 99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the elapsed time for the winner of the event unit
	CT_AVG_SPEED		N(2).N(3) 90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the average speed in km/h of the winner during the event unit
	CT_LAST_QUAL		Competitor ID	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the ID of the last qualified competitor

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

Type /Code	Description	Expected
UI_CT /CT_COMMUNIQUE	Send the communiqué number	Always, if available
UI_CT /CT_LAST_HEAT	Send the heat/race number of the last finished competitor	Just for Omnium Individual Pursuit and Omnium Time Trial
UI_CT /CT_ELAPSED_TIME	Send the elapsed time for the winner of the event unit	Just for Omnium Points Race, Omnium Scratch Race and Omnium Elimination Race
UI_CT /CT_AVG_SPEED	Send the average speed in km/h of the winner during the event unit	Just for Keirin, Omnium Points Race, Omnium Scratch Race and Omnium Elimination Race
UI_CT /CT_LAST_QUAL	Send the competitor ID of the last competitor qualified for the next phase	If applies and available, for Team Pursuit Qualifying and Individual



		Sprint Qualifying
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Send UnitDateTime.

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

Element: Competition /Result /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_CT	CT_INTERMEDIATE		N(1) 0	MM:SS.ttt 99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Intermediate point number
					For @Value: Team's time at this intermediate point
		CT_RANK		N(2) 90	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Team's rank at this intermediate point
		CT_RANK_EQUAL		S(1)	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Y in case of the team's rank at this intermediate point is an equalled rank
		CT_BEHIND_LEADER		+MM:SS.ttt +99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code



Element: Competition /Result /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Do not send anything
					For @Value: Time behind the team leader at this intermediate point
		CT_BEHIND_LAST		+MM:SS.ttt +99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Time behind last qualifying positioned team at this intermediate point
	CT_SECTION		N(1) 0	MM:SS.ttt 99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Section number
					For @Value: Team's time for this section
		CT_RANK		N(2) 90	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Team's rank at this intermediate point
		CT_RANK_EQUAL		S(1)	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything



Element: Competition /Result /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Value: Send Y in case of the team's rank at this intermediate point is an equalled rank
	CT_BEHIND_LEADER			+MM:SS.ttt +99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Time behind the team leader
	CT_BEHIND_LAST			+MM:SS.ttt +99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Time behind last qualifying positioned team
	CT_AVG_SPEED			N(2).N(3) 90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Team's average speed in km/h at the race
	CT_STATUS			S(n)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the team status
	CT_WARNING			S(1)	For @Type: Send proposed type For @Code: Send proposed code For @Pos : Do not send anything



Element: Competition /Result /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Value: Send Y in case of the team has received a warning

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

Type /Code	Extension Code	Description	Expected
ER_CT /CT_INTERMEDIATE		Team's intermediate point time (from the start to this point) @Pos 1..4 (1000m, 2000m, 3000m and 4000m) for Team Pursuit @Pos 1..3 (end of Lap 1, end of Lap 2, end of Lap 3) for Team Sprint	For Team Pursuit and Team Sprint
	CT_RANK	Team's rank at this intermediate point	For Team Pursuit
	CT_RANK_EQUAL	Send Y in case of the team's rank at this intermediate point is an equalled rank	For Team Pursuit
	CT_BEHIND_LEADER	Time behind the team leader at this intermediate point	For Team Pursuit and Team Sprint
	CT_BEHIND_LAST	Time behind last qualifying positioned team at this intermediate point	For Team Pursuit
ER_CT /CT_SECTION		Team's time for that section. A section: is placed between two intermediate points, or between the start and the first intermediate point (the section number is equals to the ending intermediate point number for Team Pursuit) or represents one lap (the section number is the lap number for Team Sprint). @Pos 1..4 (1000m, 1000-2000m, 2000-3000m, 3000-4000m) for Team Pursuit @Pos 1..3 (Lap 1, Lap 2, Lap 3) for Team Sprint	For Team Pursuit and Team Sprint
ER_CT /CT_BEHIND_LEADER		Time behind the team leader	For Team Pursuit all phases
ER_CT /CT_BEHIND_LAST		Time behind last team qualified position	For Team Pursuit Qualifying



ER_CT /CT_AVG_SPEED		Team's average speed in km/h at the race	For Team Pursuit all phases and Team Sprint all phases
ER_CT /CT_STATUS		Send the team status	If available
ER_CT /CT_WARNING		Send Y in case of the team has received a warning	If applies

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

Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_CT	CT_INTERMEDIATE		N(1) 0	MM:SS.ttt 99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Intermediate point number
					For @Value: Time at this intermediate point
	CT_RANK			N(2) 90	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Rank at this intermediate point
	CT_RANK_EQUAL			S(1)	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Y in case of the rank at this intermediate point is an equalled rank
	CT_BEHIND_LEADER			+MM:SS.ttt +99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything



Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Value: Time behind the leader of the phase at this intermediate point
		CT_BEHIND_LAST		+MM:SS.ttt +99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Time behind last qualifying positioned at this intermediate point
	CT_SECTION		N(1) 0	MM:SS.ttt 99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Section number
					For @Value: Time for this section
		CT_RANK		N(2) 90	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Rank for that section time
		CT_RANK_EQUAL		S(1)	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Y in case of the rank for that section time is an equalled rank
		CT_IRM		CC @IRM	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed



Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					extension code For @Pos: Do not send anything For @Value: Send Invalid result mark for that section (Race) for Sprint Quarterfinals, Semifinals and Finals
		CT_AVG_SPEED		N(2).N(3) 90.000	For @Type: Send proposed type For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Average speed in km/h at the race
		CT_LAST_WINNER		S(1)	For @Type: Send the corresponding ExtendedResult @Code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send Y for the last athlete that finished each Race, sent only for the winner in each heat
	CT_BEHIND_LEADER			+MM:SS.ttt +99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Time behind leader of the event unit
	CT_BEHIND_LAST			+MM:SS.ttt +99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Time behind last qualifying position
	CT_AVG_SPEED			N(2).N(3)	For @Type:



Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
				90.000	Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Average speed in km/h at the race
	CT_LAP_PTS		N(1) 0	+N(2) +90	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Send 1 for points gained, 2 for points lost and 3 for balance For @Value: Send the number of lap points (gained, lost or balance)
	CT_PTS_SPRINT		N(2) 90	N(2) 90	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Send the sprint number For @Value: Send the number of points at the sprint
	CT_STATUS			S(n)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the athlete status
	CT_FINISH_ORDER			N(2) 90	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the finish order
	CT_LAPS_DOWN			+N(1) +0	For @Type: Send proposed type For @Code: Send proposed code



Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Do not send anything
					For @Value: Send the number of laps down
	CT_EXPLANATION			S(n)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the incident explanation
	CT_PULLED_OUT			S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send Y in case of the rider pulled out before the finish
	CT_WARNING			S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos : Do not send anything
					For @Value: Send Y in case of the rider has received a warning

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

Type /Code	Extension Code	Description	Expected
ER_CT /CT_INTERMEDIATE		Intermediate point time (from the start to this point). @Pos 1..4 (1000m, 2000m, 3000m and 4000m) for Men's Omnium Individual Pursuit. @Pos 1..3 (1000m, 2000m and 3000m) for Women's Omnium Individual Pursuit. @Pos 1..4 (250m, 500m, 750m and 1500m) for Men's Omnium Time Trial. @Pos 1..2 (250m, 500m) for	For Omnium Individual Pursuit, Omnium Time Trial and Omnium Flying Lap



		Women's Omnium Time Trial. @Pos 1..3 (50m, 150m, 250m) for Men's and Women's Omnium Flying Lap	
	CT_RANK	Rank at this intermediate point	
	CT_RANK_EQUAL	Send Y in case of the rank at this intermediate point is an equalled rank	Just if applies
	CT_BEHIND_LEADER	Time behind the leader of the phase at this intermediate point	
	CT_BEHIND_LAST	Time behind last qualifying positioned at this intermediate point	
ER_CT /CT_SECTION		Time for that section. A section is placed between two intermediate points, or between the start and the first intermediate point. @Pos 1..3 (1 st Race, 2 nd Race, Decider) for Individual Sprint @Pos 1..4 (1000m, 1000-2000m, 2000-3000m and 3000-4000m) for Men's Omnium Individual Pursuit. @Pos 1..3 (1000m, 1000-2000m, 2000-3000m) for Women's Omnium Individual Pursuit. @Pos 1..4 (250m, 250-500m, 500-750m, 750-1000m) for Men's Omnium Time Trial. @Pos 1..2 (250m, 250-500m) for Women's Omnium Time Trial. @Pos 1..3 (0-50m, 50-150m, 150- 250m) for Men's and Women's Omnium Flying Lap	For Individual Sprint (Quarterfinals, Semifinals and Finals), Omnium Individual Pursuit, Omnium Time Trial and Omnium Flying Lap
	CT_RANK	Rank for that section time	
	CT_RANK_EQUAL	Send Y in case of the rank for that section time is an equalled rank	Just if applies
	CT_IRM	Send in case of IRM for that section	For Individual Sprint (Quarterfinals, Semifinals and Finals)
	CT_AVG_SPEED	Average speed in km/h at this race	For Individual Sprint
	CT_LAST_WINNER	Send Y for the last athlete that finished each Race, sent only for the winner in each heat	For Individual Sprint
ER_CT /CT_BEHIND_LEADER		Time behind the leader of the event unit	For Individual Sprint Qualifying, Omnium Flying Lap, Omnium Individual Pursuit
ER_CT /CT_BEHIND_LAST		Time behind last qualifying position	
ER_CT /CT_AVG_SPEED		Average speed in km/h at the race	For Individual Sprint –Qualifying,



			1/16 Finals, 1/8 Finals, 1/16 Finals Repechages, 1/8 Finals Repechages, Race for 5 th -8 th Places and Race for 9 th -12 th Places-, Omnium Flying Lap, Omnium Individual Pursuit, Omnium Time Trial
ER_CT /CT_LAP_PTS		Send the number of lap points: @Pos can be 1 for points gained, 2 for points lost or 3 for balance	For Omnium Points Race
ER_CT /CT_PTS_SPRINT		Send the number of points at the @Pos sprint @Pos 1..8 for Women's Omnium Points Race @Pos 1..12 for Men's Omnium Points Race	For Omnium Points Race
ER_CT /CT_STATUS		Send the athlete status	
ER_CT /CT_FINISH_ORDER		Send the finish order of the competitor	For Omnium Points Race
ER_CT /CT_LAPS_DOWN		Send the number of laps down	For Omnium Scratch Race
ER_CT /CT_EXPLANATION		Send the incident explanation	If applies
ER_CT /CT_PULLED_OUT		Send Y in case of the rider pulled out before the finish	For Team Pursuit
ER_CT /CT_WARNING		Send Y in case of the rider has received a warning	If applies

5.1.5.6 Message sort

Please, follow the general definition.



5.1.6 Phase Results

5.1.6.1 Description

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

5.1.6.2 Header Values

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

This message will be sent for the next phases:

- Team Sprint Qualifying

5.1.6.3 Trigger and Frequency

Please, follow the general definition.

5.1.6.4 Message Structure

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

- PhaseInfos and its child element PhaseInfo
- RecordIndicators and its child element RecordIndicator
- Result /Competitor /ExtendedResults and its child element ExtendedResult

5.1.6.5 Message Values

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

The following table describes in more detail the Result element in the case of Cycling Track.

Element	Attribute	M/O	Value	Comments
Result	Rank	O	N(2) 90	Rank for the competitor at the phase. Send just if ResultType is not IRM.
	RankEqual	O	S(1)	Send Y in case of the Rank at the phase has been equalled.
	ResultType	M	CC @ResultType	Result type, either TIME or IRM or IRM_TIME
	Result	O	MM:SS.ttt 99:90.000	Time result. Send just if ResultType is different from IRM
	IRM	O	CC @IRM	Invalid result mark. Send just if ResultType is equal to IRM
	QualificationMark	O	CC @QualificationMark	If applies
	SortOrder	M	N(2) 90	According to the sport rules

The following table describes in more detail the PhaseInfos /PhaseInfo element in the case of Cycling Track.

Element: PhaseInfos /PhaseInfo



Type	Code	Pos	Value	Description
PI_CT	CT_COMMUNIQUE		S(N)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Communiqué number

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

Type /Code	Description	Expected
PI_CT /CT_COMMUNIQUE	Communiqué number	Always, if available

The following table describes in more detail the RecordIndicator element in the case of Cycling Track.

Element	Attribute	M/O	Value	Comments
RecordIndicators /RecordIndicator	Order	M	Numeric	Deprecated: For London, Order is always '1' for the latest (best) record of each type broken/equalled up to the current phase.
	Code	M	CC @RecordCode	Code which describes the record broken by the result value (e.g. "CTM001900").
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken (e.g. "OR").

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

Element: Competition /Result /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_CT	CT_INTERMEDIATE		N(1) 0		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Intermediate point number
					For @Value: Do not send anything
		CT_RANK		N(2) 90	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything



Element: Competition /Result /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Value: Team's rank at this intermediate point at the phase
		CT_RANK_EQUAL		S(1)	For @Type: Send the corresponding ExtendedResult @Code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send Y in case of the team's rank at this intermediate point at the phase is an equalled rank
	CT_SECTION		N(1) 0		For @Type: Send proposed type For @Code: Send proposed code For @Pos: Section number For @Value: Do not send anything
		CT_RANK		N(2) 90	For @Type: Send the corresponding ExtendedResult @Code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Team's rank at the phase for that section
		CT_RANK_EQUAL		S(1)	For @Type: Send the corresponding ExtendedResult @Code For @Code: Send proposed extension code For @Pos: Do not send anything For @Value: Send Y in case of the team's rank at the phase for that section is an equalled rank



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

Type /Code	Extension Code	Description	Expected
ER_CT /CT_INTERMEDIATE		Team's intermediate point @Pos 1..3 (end of Lap 1, end of Lap 2, end of Lap 3) for Team Sprint	Send for Team Sprint Qualifying
	CT_RANK	Team's rank at the phase at this intermediate point.	
	CT_RANK_EQUAL	Send Y in case of the team's rank at the phase at this intermediate point is an equalled rank.	Just if applies
ER_CT /CT_SECTION		Section. Represents one lap (for Team Sprint) (the section number is the lap number). @Pos 1..3 (Lap 1, Lap 2, Lap 3) for Team Sprint	Send for Team Sprint Qualifying
	CT_RANK	Team's rank at the phase for this section.	
	CT_RANK_EQUAL	Send Y in case of the team's rank at the phase at this section is an equalled rank.	Just if applies

5.1.6.6 Message sort

Please, follow the general definition.



5.1.7 Cumulative Results

5.1.7.1 Description

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

5.1.7.2 Header Values

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

The DocumentSubtype is the code up to the moment the cumulative message contains information.

The contents of the DocumentSubtype, in case of Omnium events, would be:

- DDGEEEP00, being the cumulative results up to the end of the referenced phase

The contents of the DocumentSubtype for Sprint (1/16 Finals, 1/16 Final Repechages, 1/8 Finals, 1/8 Final Repechages, Quarterfinals, Semifinals, Gold and Bronze Final Races) and Team Sprint Qualifying and First Round, would be:

- DDGEEEPUU, being the cumulative results up to the end of the referenced event unit

5.1.7.3 Trigger and Frequency

Please, follow the general definition.

5.1.7.4 Message Structure

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

- ExtendedInfos and its child element ExtendedInfo

5.1.7.5 Message Values

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

The following table describes in more detail the Result element in the case of Cycling Track.

Element	Attribute	M/O	Value	Comments
CumulativeResult	Rank	O	N(2) 90	Rank of the competitor in the cumulative result. Send the rank of the competitor up to one specific phase for Omnium events. Send the rank of the competitor up to one specific event unit at one phase for other events.
	RankEqual	O	S(1)	Send Y in case of the Rank has been equalled
	ResultType	M	CC @ResultType	Result type, either IRM or POINTS or IRM_POINTS or TIME or IRM_TIME



Element	Attribute	M/O	Value	Comments
	Result	O	N(2) 90 (Omnium) or MM:SS.ttt 99:00.000 (Individual Sprint and Team Sprint)	Send the total number of points won by the competitor up to one specific phase for Omnium events Send the time up to one specific event unit at the corresponding phase for Individual Sprint and Team Sprint
	IRM	O	CC @IRM	Invalid result mark. Send just if ResultType is equal to IRM or IRM_POINTS or IRM_TIME
	QualificationMark	O	CC @QualificationMark	The code which gives an indication on the qualification of the competitor for the next round of the competition (just for Team Sprint)
	SortOrder	M	N(2) 90	According to the sport rules.
CumulativeResult /ResultItems /ResultItem /Result	Rank	O	N(2) 90	Rank of the competitor in the result for the phase identified by /ResultItems /ResultItem (for Omnium events) or for the event unit identified by /ResultItems /ResultItem (for Individual Sprint and Team Sprint)
	RankEqual	O	S(1)	Send Y in case of the Rank has been equalled.
	ResultType	M	CC @ResultType	Type of the @Result attribute for the phase identified by /ResultItems /ResultItem, either IRM or POINTS or IRM_POINTS or TIME or IRM_TIME
	Result	O	N(2) 90 (Omnium) or MM:SS.ttt 99:00.000 (Team Sprint)	The points obtained by the competitor at the phase identified by /ResultItems /ResultItem (for Omnium events) or at the event unit identified by /ResultItems /ResultItem (for Individual Sprint and Team Sprint). Send just in case of @ResultType is different from IRM
	IRM	O	CC @IRM	The invalid rank mark, in case it is assigned for the phase identified by /ResultItems /ResultItem (for Omnium events) or for the event unit identified by /ResultItems /ResultItem (for Individual Sprint and Team Sprint) Send just in the case @ResultType is IRM or IRM_POINTS or IRM_TIME



Element	Attribute	M/O	Value	Comments
	QualificationMark	O	CC @QualificationMark	The code which gives an indication on the qualification of the competitor for the next round of the competition for the event unit identified by /ResultItems /ResultItem (just for Individual Sprint and Team Sprint)
	SortOrder	M	Numeric	Used to sort all results in a phase or in an event unit identified by /ResultItems /ResultItem

The following table describes in more detail the RecordIndicator element in the case of Cycling Track. This element just applies to the Team Sprint event unit.

Element	Attribute	M/O	Value	Comments
CumulativeResult /RecordIndicators /RecordIndicator	Order	M	Numeric	Deprecated: For London, Order is always '1' for the latest (best) record of each type broken/equalled up to the current phase.
	Code	M	CC @RecordCode	Code which describes the record broken by the CumulativeResult /Result value (e.g. "CTM001900").
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken (e.g. "OR").
CumulativeResult /ResultItems /ResultItem /Result /RecordIndicators /RecordIndicator (result's record indicator)	Order	M	Numeric	Deprecated: For London, Order is always '1' for the latest (best) record of each type broken/equalled in this event unit. <u>It just applies to event units</u>
	Code	M	CC @RecordCode	Code which describes the record broken by the CumulativeResult /ResultItems /ResultItem /Result value (e.g. "CTM001900"). <u>It just applies to event units</u>
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken (e.g. "OR"). <u>It just applies to event units</u>

The following table describes in more detail the Competition /ExtendedInfos /ExtendedInfo element in the case of Cycling Track.

Element: Competition /ExtendedInfos /ExtendedInfo				
Type	Code	Pos	Value	Description
EI_CT	CT_LAST_QUAL		Competitor ID	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send the ID of the last qualified competitor
CT_CURRENT_HEAT			N(1) 0	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos:



Element: Competition /ExtendedInfos /ExtendedInfo				
Type	Code	Pos	Value	Description
				Do not send anything
				For @Value: Send the current heat number
	CT_LAST_HEAT		N(1) 0	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send the last heat number raced

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

Type /Code	Description	Expected
EI_CT /CT_LAST_QUAL	Send the competitor ID of the last competitor qualified for the next phase	If applies and available, for Individual Sprint Qualifying and Team Sprint Qualifying
EI_CT /CT_CURRENT_HEAT	Send the current heat number	If applies and available, for Individual Sprint 1/16 Finals, 1/16 Final Repechages, 1/8 Finals and 1/8 Final Repechages, Quarterfinals and Semifinals and Finals and for Team Sprint Qualifying
EI_CT /CT_LAST_HEAT	Send the last heat number raced	If applies and available, for Individual Sprint 1/16 Finals, 1/16 Final Repechages, 1/8 Finals, 1/8 Final Repechages, Quarterfinals, Semifinals and Finals.

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

Element: Competition /CumulativeResult /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_CT	CT_LAST_COMP			S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send Y in case of this is one of the last competitors who raced
	CT_BEHIND_LEADER			+MM:SS.ttt +99:90.000	For @Type: Send proposed type



Element: Competition /CumulativeResult /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Time behind the team leader

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

Type /Code	Extension Code	Description	Expected
ER_CT /CT_LAST_COMP		Send Y in case of this is one of the last competitors who raced. Send just for and Team Sprint Qualifying	If applies
ER_CT /CT_BEHIND_LEADER		Time behind the team leader. Send for Team Sprint	If applies only for Team Sprint

5.1.7.6 Message sort

Please, follow the general definition.



5.1.8 Event Final Ranking

5.1.8.1 Description

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

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

5.1.8.2 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).

5.1.8.3 Trigger and Frequency

Please, follow the general definition.

5.1.8.4 Message Structure

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

- N/A

5.1.8.5 Message Values

The following table lists the Event Final Ranking optional attributes (defined in the ODF Sport Messages Interface Document) that are used in the case of Cycling Track, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Result	Rank	M	Numeric	Final rank of the competitor in the corresponding event
	RankEqual	O	S(1)	Send Y in case of the Rank has been equalled.
	ResultType	O	CC @ResultType	Type of the @Result attribute
	Result	O	MM:SS.ttt 99:90.000 (time) or N(2) 90 (points) or -N(2) -90 (points)	Send just if ResultType is different from IRM.
	IRM	O	CC @IRM	The invalid result mark, in case it is assigned
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event, 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.

5.1.8.6 Message sort

Please, follow the general definition.



5.1.9 Records

5.1.9.1 Description

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

5.1.9.2 Header Values

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

5.1.9.3 Trigger and Frequency

Please, follow the general definition.

5.1.9.4 Message Structure

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

- ExtRecords and its child element

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

5.1.9.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Record /RecordType /RecordEntries /RecordEntry /Competitor /RecordData	RSC	O	Concatenation of the following: CC @Discipline CC @DisciplineGender CC @Event CC @Phase CC @Unit	Send always (mandatory) in case of Historical = 'N'. It should include the event unit in the current competition where the record was broken
	Time	O	MillisTime	Send always (mandatory) in case of Historical = 'N'.
	Event	O	S(40)	Send in case of Historical='Y'. Send the text of the event name where the record was broken (example: "World Championships", "Olympic Games", etc.).
Record /RecordType /RecordEntries /RecordEntry /Competitor /Composition /Athlete /RecordData	RSC	O	Concatenation of the following: CC @Discipline CC @DisciplineGender CC @Event CC @Phase CC @Unit	Send always (mandatory) in case of Historical='N'. It should include the event unit in the current competition where the record was broken
	Time	O	MillisTime	Send always (mandatory) in the case Historical='N'.



Element	Attribute	M/O	Value	Comments
	Event	O	S(40)	Send in the case Historical='Y'. Send the text of the event name where the record was broken (example: "World Championships", "Olympic Games", etc.).

The following table describes in more detail the ExtRecord element in the case of Cycling Track.

Element: Competition /Record /RecordType /RecordEntries /RecordEntry /ExtRecords /ExtRecord				
Type	Code	Pos	Value	Description
ER_CT	CT_AVG_SPEED		N(2).N(3) 90.000	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Speed of the record in km/h

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

Type /Code	Description	Expected
ER_CT /CT_AVG_SPEED	Speed of the record in km/h	Always, if available

5.1.9.6 Message sort

Please, follow the general definition.



5.1.10 Brackets

5.1.10.1 Description

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

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

5.1.10.2 Header Values

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

This message will be sent for the next phases:

- Men's and Women's Sprint events

5.1.10.3 Trigger and Frequency

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

- Update after each race.

5.1.10.4 Message Structure

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

- N/A

Moreover, the following should be considered:

- BracketItem /NextUnit should be informed in case of 1/16 finals, 1/16 finals repechage, 1/8 finals, 1/8 finals repechage, quarterfinals and semifinals.
- BracketItem /NextUnitLoser should be informed in case of 1/16 finals, 1/8 finals, 1/8 finals repechage, quarterfinals and semifinals.
- CompetitorPlace /PreviousUnit should be informed in case of finals, semifinals, quarterfinals, 1/16 repechage, 1/8 finals (in case of mens) and 1/8 repechage.

5.1.10.5 Message Values

The following table lists the Bracket optional attributes (defined in the ODF Sport Messages Interface Document) that are used in the case of Cycling Track, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Bracket	Code	M	CC @Code	Bracket code to identify a bracket item. (example, it could be finals or 1/8 finals)
Bracket /BracketItems	Code	M	CC @BracketItemsCode	Each BracketItems should include all BracketItem grouped by their CC @BracketItemsCode. 1_16 and 1_16_RPC codes are just for men.



Element	Attribute	M/O	Value	Comments
Bracket /BracketItems /BracketItem	Code	M	Numeric or TBD	In general, it will be sent the heat number for each bracket item (e.g.: 17, 18, 19, 20 ...). However, it may include "TBD" for to be defined, if the heat number is not known.
Bracket /BracketItems /BracketItem /CompetitorPlace	Code	O	CC @CompetitorPlace or CC @IRM	It will be sent when there is no competitor (BYE) or when it is not known yet (UNK) or when it has an Invalid Result Mark (for example, DSQ).

5.1.10.6 Message sort

Please, follow the general definition.



5.1.11 Event's Medallists

5.1.11.1 Description

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

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

5.1.11.2 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).

5.1.11.3 Trigger and Frequency

Please, follow the general definition.

5.1.11.4 Message Structure

Please, follow the general definition.

5.1.11.5 Message Values

Please, follow the general definition.

5.1.11.6 Message sort

Please, follow the general definition.



5.1.12 Discipline/venue good morning

5.1.12.1 Description

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

5.1.12.2 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.

5.1.12.3 Trigger and Frequency

Please, follow the general definition.

5.1.12.4 Message Structure

Please, follow the general definition.

5.1.12.5 Message Values

Please, follow the general definition.

5.1.12.6 Message sort

Please, follow the general definition.



5.1.13 Discipline/venue good night

5.1.13.1 Description

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

5.1.13.2 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.

5.1.13.3 Trigger and Frequency

Please, follow the general definition.

5.1.13.4 Message Structure

Please, follow the general definition.

5.1.13.5 Message Values

Please, follow the general definition.

5.1.13.6 Message sort

Please, follow the general definition.



5.1.14 Discipline configuration

5.1.14.1 Description

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

5.1.14.2 Header Values

Please, follow the general definition.

5.1.14.3 Trigger and Frequency

Please, follow the general definition.

5.1.14.4 Message Structure

Please, follow the general definition.

5.1.14.5 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 Sport Messages Interface Document) that are used in the case of Cycling Track, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Config	Gender	M	CC @Gender	Gender
	Event	M	CC @Event	Event
	Phase	M	CC @Phase	Phase
	Unit	O	CC @Unit	Event Unit

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

Type	Code	ExtendedConfigItem Code	Pos	Value	Description
EC_CT	CT_RACE_DISTANCE (send by phase)			S(n)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Race distance for one specific phase
	CT_QUALRULES (send by unit)			S(n)	For @Type: Send proposed type For @Code: Send proposed code For @Pos : Do not send anything For @Value: Explanation on how the riders advance to the next round. Should include date and time for next phase.



Type	Code	ExtendedConfigItem Code	Pos	Value	Description
	CT_INTERMEDIATE		N(1) 0	N(4) 9000	<p>For @Type: Send proposed type</p> <p>For @Code: Send proposed code</p> <p>For @Pos : Send the intermediate number</p> <p>For @Value: Distance in meters from the beginning of the race to this intermediate point</p>
	CT_NUMBER_HEATS (send by phase, except for Repechages – by unit--)			N(2) 90	<p>For @Type: Send proposed type</p> <p>For @Code: Send proposed code</p> <p>For @Pos : Do not send anything</p> <p>For @Value: Send the number of heats by phase</p>
	CT_SPRINTS_NUMBER (for Omnium Points Race) (send by unit)			N(2) 90	<p>For @Type: Send proposed type</p> <p>For @Code: Send proposed code</p> <p>For @Pos : Do not send anything</p> <p>For @Value: Send the number of sprints by phase</p>
	CT_LAPS_NUMBER (send by phase)			N(1) 0	<p>For @Type: Send proposed type</p> <p>For @Code: Send proposed code</p> <p>For @Pos : Do not send anything</p> <p>For @Value: Send the number of laps by phase</p>
	CT_RANK_QUALRND_2 CT_RANK_QUALRND_1_RPC CT_RANK_QUAL1_16 CT_RANK_QUAL1_16_RPC CT_RANK_QUAL1_8 CT_RANK_QUAL1_8_RPC CT_RANK_QUALQFL CT_RANK_QUALSFN CT_RANK_QUALPLACESx_y (indicate respectively qualification for round 2, round		N(1) 0	N(4) 9990	<p>For @Type: Send proposed type</p> <p>For @Code: Send one of the specified codes</p> <p>For @Pos: 1 to indicate first rank included in the @Code rule. 2 to indicate last rank included in the @Code rule.</p>



Type	Code	ExtendedConfigItem Code	Pos	Value	Description
	<p>1 repechage, 1/16 finals, 1/16 finals repechage, 1/8 finals, 1/8 finals repechage, quarterfinals, semi final and from the xth to the yth place based on rank) (Use @Pos 1 and 2)</p> <p>CT_BT_QUAL1_16 CT_BT_QUAL1_8 CT_BT_QUALRND_1 CT_BT_QUALPLACESx_y (indicate respectively qualification for 1/16 finals, 1/8 finals, round 1 and from the xth to the yth place based on best time) (Use @Pos 1 and 2)</p>				<p>For @Value:</p> <p>Send the rank according to @Code rule and @Pos (1 or 2)</p>

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

Type /Code	ExtendedConfigItem Code	Description	Expected
EC_CT /CT_RACE_DISTANCE		Race distance for one specific event unit.	If available
EC_CT /CT_QUALRULES		Explanation on how the riders advance to the next round. Should include date and time for next phase, e.g., Fastest 8 teams qualify for the first round (on 18 AUG at 20:15)	Do not send for finals
EC_CT /CT_INTERMEDIATE		<p>Distance in meters from the beginning to the intermediate point.</p> <p>Team Pursuit and Men's Omnium Individual Pursuit: @Pos 1..4 @Value 1000, 2000, 3000, 4000</p> <p>Women's Omnium Individual Pursuit: @Pos 1..3 @Value 1000, 2000, 3000</p> <p>Individual Sprint: @Pos 1..2 @Value 100, 200</p> <p>Omnium Flying Lap: @Pos 1..3 @Value 50, 150, 250</p>	Send for Team Pursuit, Omnium Individual Pursuit, Individual Sprint, Omnium Flying Lap.
EC_CT /CT_NUMBER_HEATS		Send the number of heats by phase	Send for Omnium Individual Pursuit (first round), Team Pursuit (First



Type /Code	ExtendedConfigItem Code	Description	Expected
			round), Team Sprint (first round), Individual Sprint (1/16 finals, 1/8 finals, repechages, quarterfinals and semifinals) and Keirin (all phases).
EC_CT /CT_SPRINTS_NUMBER		Send the number of sprints by phase	Send for Omnium Points Race
EC_CT /CT_LAPS_NUMBER		Send the number of laps by phase	Send for Team Sprint events
EC_CT /CT_RANK_QUALRND_2 /CT_RANK_QUALRND_1_RPC /CT_RANK_QUAL1_16_RPC /CT_RANK_QUAL1_8 /CT_RANK_QUAL1_8_RPC /CT_RANK_QUALQFL /CT_RANK_QUALSFN /CT_RANK_QUALPLACESx_y /CT_BT_QUAL1_16 /CT_BT_QUAL1_8 /CT_BT_QUALRND_1 /CT_BT_QUALPLACESx_y		CT_RANK_QUALRND_2, CT_RANK_QUALRND_1_RPC, C, CT_RANK_QUAL1_16_RPC, CT_RANK_QUAL1_8, CT_RANK_QUAL1_8_RPC, CT_RANK_QUALQFL, CT_RANK_QUALSFN and CT_RANK_QUALPLACESx_y indicate respectively qualification for round 2, for round 1 repechage, for 1/16 finals repechage, for 1/8 finals, for 1/8 finals repechage, for quarterfinals, for semi finals and from the xth to the yth place based on rank. CT_BT_QUAL1_16 /CT_BT_QUAL1_8 /CT_BT_QUALRND_1 /CT_BT_QUALPLACESx_y indicate respectively qualification for 1/16 finals, for 1/8 finals, for round 1 and from the xth to the yth place based on best time.	If applies

5.1.14.6 Message sort

Please, follow the general definition.



6 Real time

The following chapter describes the ODF-RT part of Cycling Track.

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

Message Type	Message name	Message documented	Message used in this sport	Message extended in this document
DT_RT_GM	RT Discipline/Venue good morning	Sports	X	
DT_RT_GN	RT Discipline/venue good night	Sports	X	
DT_RT_KA	RT Discipline/venue keep alive	Sports	X	
DT_RT_RESULT	RT Event Unit Results	Sports	X	X
DT_RT_CUMULATIVE_RESULT	RT Cumulative Results	Sports	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 Sport Messages Interface Document.

6.1.1.2 Header Values

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

6.1.1.3 Trigger and Frequency

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

- ResultStatus="LIVE_UPDATE"
 - T1: Trigger after any changes in race information.
 - T2: Trigger at the beginning of one race.
 - T3: Trigger after a racer crosses an intermediate point (split for Team Pursuit, race for Individual Sprint, lap for Team Sprint.....).
 - T4: Trigger after the most recent sprint (for Omnium Points Race.....).
 - T5: Trigger after a racer finishes a lap (for Omnium Points Race, Omnium Scratch Race.....).
 - T6: Trigger when a competitor is overlapped.
 - T7: Trigger after each athletes ride.
 - T8: Trigger after a competitor ends one race.
 - T9: Trigger after an invalid result mark is obtained.
 - T10: Trigger at the end of one race.
- ResultStatus="LIVE_FULL"
 - This value should be suggested to test frequency values around the average time used by the athlete to complete their participation in the course
- For other ResultStatus follow the general definition.

6.1.1.4 Message Structure

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

- PhaseInfos and its child element PhaseInfo
- UnitInfos and its child elements UnitDateTime and UnitInfo
- RecordIndicators and its child element RecordIndicator
- Competition /Result /Competitor /ExtendedResults /ExtendedResult
- Competition /Result /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 describes in more detail the Result element.

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
Result	Rank	O	N(2) 90	Rank for the competitor. Send just if ResultType is not IRM. The Rank is by phase in case of Finals or Team Sprint Qualifying event units	T4 or T5 or T6 or T8
	RankEqual	O	Y or N	This attribute identifies if a rank has been equalled or not.	Just if applies
	ResultType	O	CC @ResultType	Result type, either TIME or IRM or IRM_TIME or POINTS or IRM_POINTS	T8 or T9
	Result	O	MM:SS.ttt 99:90.000 (time) or N(2) 90 (points) or -N(2) -90 (points)	Send just if ResultType is different from IRM. Time result or Points (just for Omnium Points Race)	T8 (time) or T4 or T5 or T6 (points)
	IRM	O	CC @IRM	Invalid result mark. Send just if ResultType is equal to IRM or IRM_POINTS or IRM_TIME	T9
	QualificationMark	O	CC @QualificationMark	If applies	T8
	SortOrder	M	N(2) 90	According to the sport rules	T8 (time)

The following table describes in more detail the RecordIndicator element in the case of Cycling Track. This element just applies to the Sprint, Team Sprint, Team Pursuit, Omnium Individual Pursuit and Omnium Time Trial event units.

Element	Attribute	M/O	Value	Comments
Result /RecordIndicators /RecordIndicator	Order	M	Numeric	Deprecated: For London, Order is always '1' for records broken/equalled in this Event Unit.
	Code	M	CC @RecordCode	Code which describes the record broken by the result value (e.g. "CTM001900").
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken (e.g. "OR").

The following table describes in more detail the Competition /PhaseInfos /PhaseInfo element in the case of Cycling Track.



Element: Competition /PhaseInfos /PhaseInfo				
Type	Code	Pos	Value	Description
PI_CT	CT_PHASE_COMPLETED		S(1)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Phase completed indicator

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

Type /Code	Description	LIVE_UPDATE RT trigger expected
PI_CT /CT_PHASE_COMPLETED	Send Y in case of the phase is completed, N to change the value of the element	T10

The following table describes in more detail the Competition /UnitInfos /UnitInfo element in the case of Cycling Track.

Element: Competition /UnitInfos /UnitInfo					
Type	Code	Pos	Value	Description	
UI_CT	CT_CURRENT_HEAT (for Team Pursuit Qualifying, Omnium Individual Pursuit, Omnium Time Trial)		N(1) 0	For @Type: Send proposed type	
				For @Code: Send proposed code	
				For @Pos: Do not send anything	
				For @Value: Send the current heat/race number	
	CT_LAST_HEAT (for Omnium Individual Pursuit and Omnium Time Trial)			N(1) 0	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the heat/race number of the last finished competitor
	CT_RECENT_SPRINT (for Omnium Points Race)			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the most recent sprint number
CT_ELAPSED_TIME (for Omnium Points Race, Omnium Scratch Race and Omnium Elimination Race)			MM:SS.ttt 99:90.000	For @Type: Send proposed type	
				For @Code: Send proposed code	



Element: Competition /UnitInfos /UnitInfo				
Type	Code	Pos	Value	Description
				For @Pos: Do not send anything
				For @Value: Send the elapsed time for the leader
	CT_AVG_SPEED (for Keirin, Omnium Points Race, Omnium Scratch Race and Omnium Elimination Race)		N(2).N(3) 90.000	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send the average speed in km/h of the leader
	CT_TIME_TO_QUALIFY		MM:SS.mmm	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Send the time to qualify to next phase
	CT_LAST_QUAL		Competitor ID	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send the ID of the last qualified competitor

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

Type /Code	Description	LIVE_UPDATE RT trigger expected
UI_CT /CT_CURRENT_HEAT (for Team Pursuit Qualifying, Omnium Individual Pursuit, Omnium Time Trial)	Send the current heat/race number	T2
UI_CT /CT_LAST_HEAT (for Omnium Individual Pursuit and Omnium Time Trial)	Send the heat/race number of the last finished competitor	T8
UI_CT /CT_RECENT_SPRINT (for Omnium Points Race)	Send the most recent sprint number	T4
UI_CT /CT_ELAPSED_TIME (for Omnium Points Race, Omnium Scratch Race and Omnium Elimination Race)	Send the elapsed time for the leader	T4 or T5
UI_CT /CT_AVG_SPEED (for Keirin, Omnium Points Race, Omnium Scratch Race and Omnium)	Send the average speed in km/h of the leader	T4 or T5 or T10 (Keirin)



Elimination Race)		
UI_CT /CT_TIME_TO_QUALIFY	Send the time to qualify to next phase. IS Qual, TP Qual, TS Qual, IP Qual: should be the time that the athlete/team needs to achieve in order to qualify to the next phase of competition. TP Round 1, IP Round 1: should be the time the athlete/team needs to beat in order to advance to the Gold Medal Race.	T2 or T8
UI_CT /CT_LAST_QUAL (for Team Pursuit Qualifying, Individual Sprint Qualifying)	Send the competitor ID of the last competitor qualified for the next phase.	T8 (If applies and available)

Send UnitDateTime.

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

Element: Competition /Result /Competitor /ExtendedResults /ExtendedResult						
Type	Code	Extension Code	Pos	Value	Description	
ER_CT	CT_INTERMEDIATE		N(1) 0	MM:SS.ttt 99:90.000	For @Type: Send proposed type	
					For @Code: Send proposed code	
					For @Pos: Intermediate point number	
					For @Value: Team's time at this intermediate point	
		CT_RANK		N(2) 90		For @Type: Send the corresponding ExtendedResult @Code
						For @Code: Send proposed extension code
						For @Pos: Do not send anything
						For @Value: Team's rank at this intermediate point
		CT_RANK_EQUAL			Y or N	For @Type: Send the corresponding ExtendedResult @Code
For @Code: Send proposed extension code						
For @Pos: Do not send anything						



Element: Competition /Result /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Value: Send Y in case of the team's rank at this intermediate point is an equalled rank, N in case of change of the value
		CT_BEHIND_LEADER		+MM:SS.ttt +99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Time behind the team leader at this intermediate point
		CT_BEHIND_LAST		+MM:SS.ttt +99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Time behind last qualifying positioned team at this intermediate point
	CT_SECTION		N(1) 0	MM:SS.ttt 99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Section number For @Value: Team's time for this section
	CT_BEHIND_LEADER			+MM:SS.ttt +99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Time behind the team leader
	CT_BEHIND_LAST			+MM:SS.ttt +99:90.000	For @Type: Send proposed type For @Code: Send proposed code



Element: Competition /Result /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Do not send anything For @Value: Time behind last qualifying positioned team
	CT_AVG_SPEED			N(2).N(3) 90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Team's average speed in km/h at the race
	CT_STATUS			S(n)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the team status
	CT_CURRENT_COMP (for Team Pursuit Qualifying)			S(1)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send Y in case of this is the current competitor, N if the team finished the race
	CT_LAST_COMP (for Team Pursuit Qualifying)			S(1)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send Y in case if this is one of the last competitors who raced, N if this is not the last one anymore
	CT_WARNING			S(1)	For @Type: Send proposed type For @Code: Send proposed code



Element: Competition /Result /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Pos : Do not send anything
					For @Value: Send Y in case of the team has received a warning or N to change a previous Y value

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

Type /Code	Extension Code	Description	LIVE_UPDATE RT trigger expected
ER_CT /CT_INTERMEDIATE		Team's intermediate point time (from the start to this point) @Pos 1..4 (1000m, 2000m, 3000m and 4000m) for Team Pursuit @Pos 1..3 (end of Lap 1, end of Lap 2, end of Lap 3) for Team Sprint	T3
	CT_RANK (for Team Pursuit)	Team's rank at this intermediate point.	T3
	CT_RANK_EQUAL (for Team Pursuit)	Send Y in case of the team's rank at this intermediate point is an equalled rank, N in case of change of the value	Just if applies
	CT_BEHIND_LEADER (for Team Pursuit and Team Sprint)	Time behind the team leader at this intermediate point	T3
	CT_BEHIND_LAST (for Team Pursuit)	Time behind last qualifying positioned team at this intermediate point	T3
ER_CT /CT_SECTION		Team's time for that section. A section: is placed between two intermediate points, or between the start and the first intermediate point (the section number is equals to the ending intermediate point number for Team Pursuit) or represents one lap (the section number is the lap number for Team Sprint). @Pos 1..4 (1000m, 1000-2000m, 2000-3000m, 3000-4000m) for Team Pursuit @Pos 1..3 (Lap 1, Lap 2, Lap 3) for	T3



		Team Sprint	
ER_CT /CT_BEHIND_LEADER		Time behind the team leader. Send for Team Pursuit all phases	T3
ER_CT /CT_BEHIND_LAST		Time behind last team qualified position. Send for Team Pursuit Qualifying	T3
ER_CT /CT_AVG_SPEED		Team's average speed in km/h at the race. Send for Team Pursuit all phases and Team Sprint all phases	T8
ER_CT /CT_STATUS		Send the team status	T1
ER_CT /CT_CURRENT_COMP		Send Y in case of this is the current competitor, N if this is not the current competitor anymore. Send for Team Pursuit Qualifying	T7 or T8
ER_CT /CT_LAST_COMP		Send Y in case of this is one of the last competitors who raced, N if this is not the last one anymore. Send for Team Pursuit Qualifying	T7 or T8
ER_CT /CT_WARNING		Send Y in case of the team has received a warning or N to change a previous Y value	If applies

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

Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_CT	CT_INTERMEDIATE		N(1) 0	MM:SS.ttt 99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Intermediate point number
					For @Value: Time at this intermediate point
		CT_RANK		N(2) 90	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Rank at this intermediate point
		CT_RANK_EQUAL		Y or N	For @Type: Send the corresponding ExtendedResult @Code



Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send Y in case of the rank at this intermediate point is an equalled rank, N in case of change of the value
		CT_BEHIND_LEADER		+MM:SS.ttt +99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Time behind current leader of the phase at this intermediate point
		CT_BEHIND_LAST		+MM:SS.ttt +99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Time behind last qualifying position at this intermediate point
	CT_SECTION		N(1) 0	MM:SS.ttt 99:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Section number
					For @Value: Time for this section
		CT_RANK		N(2) 90	For @Type: Send the corresponding ExtendedResult @Code
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Rank for that section time



Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
		CT_RANK_EQUAL		Y or N	<p>For @Type: Send the corresponding ExtendedResult @Code</p> <p>For @Code: Send proposed extension code</p> <p>For @Pos: Do not send anything</p> <p>For @Value: Send Y in case of the rank for that section time is an equalled rank, N in case of change of the value</p>
		CT_IRM		CC @IRM	<p>For @Type: Send the corresponding ExtendedResult @Code</p> <p>For @Code: Send proposed extension code</p> <p>For @Pos: Do not send anything</p> <p>For @Value: Send Invalid result mark for that section (Race) for Sprint Quarterfinals, Semifinals and Finals</p>
		CT_AVG_SPEED		N(2).N(3) 90.000	<p>For @Type: Send proposed type</p> <p>For @Code: Send proposed extension code</p> <p>For @Pos: Do not send anything</p> <p>For @Value: Average speed in km/h at the race</p>
		CT_LAST_WINNER		S(1)	<p>For @Type: Send the corresponding ExtendedResult @Code</p> <p>For @Code: Send proposed extension code</p> <p>For @Pos: Do not send anything</p>



Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Value: Send Y for the last athlete that finished each Race (sent only for the winner in each heat), N if a winning time for another heat is received
	CT_BEHIND_LEADER			+MM:SS.ttt +99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Time behind the leader of the event unit
	CT_BEHIND_LAST			+MM:SS.ttt +99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Time behind last qualifying position.
	CT_AVG_SPEED			N(2).N(3) 90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Average speed in km/h at the race
	CT_LAP_PTS		N(1) 0	+N(2) +90	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Send 1 for points gained, 2 for points lost and 3 for balance For @Value: Send the number of lap points (gained, lost or balance)
	CT_PTS_SPRINT (for Omnium Points Race)		N(2) 90	N(2) 90	For @Type: Send proposed type For @Code: Send proposed code



Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Send the sprint number For @Value: Send the number of points at the sprint number @Pos
	CT_LAST_SPRINT (for Omnium Points Race)			N(2) 90	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the last sprint number done by the athlete
	CT_STATUS			S(n)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the athlete status
	CT_CURRENT_COMP (for Individual Sprint Qualifying, Omnium Flying Lap, Omnium Individual Pursuit)			S(1)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send Y in case of this is one of the current competitors, N if the racer finished the race
	CT_LAST_COMP (for Individual Sprint Qualifying, Omnium Flying Lap, Omnium Scratch Race)			S(1)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send Y in case of this is one of the last competitors who raced, N if there are another ones more recent.
	CT_LAPS_DOWN			+N(1) +0	For @Type: Send proposed type



Element: Competition /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 number of laps down
	CT_PULLED_OUT			S(1)	For @Type: Send proposed type
	CT_PULLED_OUT			S(1)	For @Code: Send proposed code
	CT_PULLED_OUT			S(1)	For @Pos: Do not send anything
	CT_PULLED_OUT			S(1)	For @Value: Send Y in case of the rider pulled out before the finish, N to change a previous Y value
	CT_WARNING			S(1)	For @Type: Send proposed type
	CT_WARNING			S(1)	For @Code: Send proposed code
	CT_WARNING			S(1)	For @Pos : Do not send anything
	CT_WARNING			S(1)	For @Value: Send Y in case of the rider has received a warning or N to change a previous Y value

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

Type /Code	Extension Code	Description	LIVE_UPDATE RT trigger expected
ER_CT /CT_INTERMEDIATE		Intermediate point time (from the start to this point). @Pos 1..3 (50m, 150m, 250m) for Omnium Flying Lap @Pos 1..4 (1000m, 2000m, 3000m and 4000m) for Men's Omnium Individual Pursuit. @Pos 1..3 (1000m, 2000m, 3000m) for Women's Omnium Individual Pursuit. @Pos 1..4 (250m, 500m, 750m, 1000m) for Men's Omnium Time Trial @Pos 1..2 (250m, 500m) for	T3



		Women's Omnium Time Trial	
	CT_RANK (for Omnium Individual Pursuit)	Rank at this intermediate point	T3
	CT_RANK_EQUAL (for Omnium Individual Pursuit)	Send Y in case of the rank at this intermediate point is an equalled rank, N in case of change of the value	Just if applies
	CT_BEHIND_LEADER (for Omnium Individual Pursuit)	Time behind current leader of the phase at this intermediate point.	T3
	CT_BEHIND_LAST (for Omnium Individual Pursuit)	Time behind last qualifying position at this intermediate point.	T3
ER_CT /CT_SECTION		<p>Time for that section. A section is placed between two intermediate points, or between the start and the first intermediate point.</p> <p>@Pos 1..3 (0-50m, 50-150m, 150-250m) for Omnium Flying Lap</p> <p>@Pos 1..4 (0-1000m, 1000-2000m, 2000-3000m, 3000-4000m) for Men's Omnium Individual Pursuit.</p> <p>@Pos 1..3 (0-1000m, 1000-2000m, 2000-3000m) for Women's Omnium Individual Pursuit.</p> <p>@Pos 1..4 (0-250m, 250-500m, 500-750m, 750-1000m) for Men's Omnium Time Trial</p> <p>@Pos 1..2 (0-250m, 250-500m) for Women's Omnium Time Trial</p> <p>@Pos 1..3 (1st Race, 2nd Race, Decider) for Individual Sprint (Quarterfinals, Semifinals and Finals).</p>	T3
	CT_RANK (for Individual Sprint Quarterfinals, Semifinals and Finals)	Rank for that section time	T3
	CT_RANK_EQUAL (for Individual Sprint Quarterfinals, Semifinals and Finals)	Send Y in case of the rank for that section time is an equalled rank, N in case of change of the value	Just if applies
	CT_IRM	<p>Send in case of IRM for that section</p> <p>For Individual Sprint (Quarterfinals, Semifinals and Finals)</p>	T3
	CT_AVG_SPEED	Average speed in km/h at this	T3



	(for Individual Sprint Quarterfinals, Semifinals and Finals)	race	
	CT_LAST_WINNER (for Individual Sprint Quarterfinals, Semifinals and Finals)	Send Y for the last athlete that finished each Race (sent only for the winner in each heat), N if a winning time for another heat is received	T8
ER_CT /CT_BEHIND_LEADER (for Individual Sprint Qualifying, Omnium Flying Lap, Omnium Individual Pursuit, Omnium Time Trial)		Time behind the leader of the event unit	T3 or T8 (Individual Sprint)
ER_CT /CT_BEHIND_LAST		Time behind last qualifying position.	T3
ER_CT /CT_AVG_SPEED (for Individual Sprint – Qualifying, 1/16 Finals, 1/8 Finals, 1/16 Finals Repechages, 1/8 Finals Repechages, Race for 5 th -8 th Places and Race for 9 th -12 th Places --, Omnium Flying Lap, Omnium Individual Pursuit, Omnium Time Trial)		Average competitor speed in km/h at the race	T8
ER_CT /CT_LAP_PTS (for Omnium Points Race)		Send the number of lap points: @Pos can be 1 for points gained, 2 for points lost or 3 for balance	T4 or T5
ER_CT /CT_PTS_SPRINT (for Omnium Points Race)		Send the number of points at the sprint number @Pos @Pos 1..8 for Women's Omnium Points Race @Pos 1..12 for Men's Omnium Points Race	T4
ER_CT /CT_LAST_SPRINT (for Omnium Points Race)		Send the last sprint number done by the athlete	T4
ER_CT /CT_STATUS		Send the athlete status	T1
ER_CT /CT_CURRENT_COMP (for Individual Sprint Qualifying, Omnium Individual Pursuit, Omnium Flying Lap)		Send Y in case of this is the current competitor, N if the racer finished the race	T7 or T8
ER_CT /CT_LAST_COMP (for Individual Sprint Qualifying, Omnium Flying Lap, Omnium Scratch Race)		Send Y in case of this is one of the last competitors who raced, N if there are another ones more recent.	T5 or T7 or T8
ER_CT		Send the number of laps down	T3



/CT_LAPS_DOWN (for Omnium Scratch Race)			
ER_CT /CT_PULLED_OUT (for Team Pursuit)		Send Y in case of the rider pulled out before the finish, N to change a previous Y value	If applies
ER_CT /CT_WARNING		Send Y in case of the rider has received a warning or N to change a previous Y value	If applies

6.1.1.6 Message sort

Please, follow the general definition.



6.1.2 RT Cumulative Results

6.1.2.1 Description

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

6.1.2.2 Header Values

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

The DocumentSubtype is the code up to the moment the cumulative message contains information.

The contents of the DocumentSubtype, in case of Omnium events, would be:

- DDGEEEP00, being the cumulative results up to the end of the referenced phase

The contents of the DocumentSubtype for Sprint (1/16 Finals, 1/16 Final Repechages, 1/8 Finals, 1/8 Final Repechages, Quarterfinals, Semifinals Gold and Bronze Final Races) and Team Sprint Qualifying and First Round, would be:

- DDGEEEPUU, being the cumulative results up to the end of the referenced event unit

6.1.2.3 Trigger and Frequency

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

- ResultStatus="LIVE_UPDATE"
 - T2: Trigger at the beginning of one race
 - T3: Trigger after a racer crosses an intermediate point
 - T8: Trigger after a competitor ends one race.
 - T9: Trigger after an invalid result mark is obtained
 - T10: Trigger at the end of one race
- ResultStatus="LIVE_FULL"
 - This value should be suggested to test frequency values around the average time used by the athlete to complete their participation in the course
- For other ResultStatus follow the general definition.

6.1.2.4 Message Structure

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

- N/A

Please, follow the general considerations for all ResultStatus.

In the next section (Message Values), there is a more detailed definition.



6.1.2.5 Message Values

In the case of ResultStatus="LIVE_FULL", send all attributes and codes according to the tables described in this section.

In the case of ResultStatus="LIVE_UPDATE", send just the updated attributes and codes according to the tables described in this section.

The following table describes in more detail the CumulativeResult and the CumulativeResult /ResultItems /ResultItem /Result element.

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
CumulativeResult	Rank	O	N(2) 90	Rank of the competitor in the cumulative result. Send the rank of the competitor up to one specific phase for Omnium events. Send the rank of the competitor up to one specific event unit at one phase for other events.	T10
	RankEqual	O	S(1)	Send Y in case of the Rank has been equalled	If applies
	ResultType	O	CC @ResultType	Result type, either IRM or POINTS or IRM_POINTS or TIME or IRM_TIME	T9, T10
	Result	O	N(2) 90 (Omnium) or MM:SS.ttt 99:00.000 (Team Sprint)	Send the total number of points won by the competitor up to one specific phase for Omnium events Send the time up to one specific event unit at the corresponding phase for Team Sprint	If applies
	IRM	O	CC @IRM	Invalid result mark. Send just if ResultType is equal to IRM or IRM_POINTS or IRM_TIME	T9
	QualificationMark	O	CC @QualificationMark	The code which gives an indication on the qualification of the competitor for the next round of the competition (just for Team Sprint)	If applies
	SortOrder	M	Numeric	Used to sort all cumulative results, based on rank, but to break rank ties, etc. It is mainly used for display purposes	T10



Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
CumulativeResult /ResultItems /ResultItem /Result	Rank	O	N(2) 90	Rank of the competitor in the result for the phase identified by /ResultItems /ResultItem (for Omnium events) or for the event unit identified by /ResultItems /ResultItem (for Team Sprint)	If applies
	RankEqual	O	S(1)	Send Y in case of the Rank has been equalled.	If applies
	ResultType	O	CC @ResultType	Type of the @Result attribute for the phase identified by /ResultItems /ResultItem, either IRM or POINTS or IRM_POINTS or TIME or IRM_TIME	T9, T10
	Result	O	N(2) 90 (Omnium) or MM:SS.ttt 99:00.000 (Team Sprint)	The points obtained by the competitor at the phase identified by /ResultItems /ResultItem (for Omnium events) or at the event unit identified by /ResultItems /ResultItem (for Team Sprint). Send just in case of @ResultType is different from IRM	If applies
	IRM	O	CC @IRM	The invalid rank mark, in case it is assigned for the phase identified by /ResultItems /ResultItem (for Omnium events) or for the event unit identified by /ResultItems /ResultItem (for Team Sprint) Send just in the case @ResultType is IRM or IRM_POINTS or IRM_TIME	T9
	QualificationMark	O	CC @QualificationMark	The code which gives an indication on the qualification of the competitor for the next round of the competition for the event unit identified by /ResultItems /ResultItem (just for Team Sprint)	If applies
	SortOrder	M	Numeric	Used to sort all results in a phase identified by /ResultItems /ResultItem	T10



The following table describes in more detail the RecordIndicator element in the case of Cycling Track. This element just applies to the Team Sprint event unit.

Element	Attribute	M/O	Value	Comments
CumulativeResult /RecordIndicators /RecordIndicator	Order	M	Numeric	Deprecated: For London, Order is always '1' for the latest (best) record of each type broken/equalled up to the current phase.
	Code	M	CC @RecordCode	Code which describes the record broken by the CumulativeResult /Result value (e.g. "CTM001900").
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken (e.g. "OR").
CumulativeResult /ResultItems /ResultItem /Result /RecordIndicators /RecordIndicator (result's record indicator)	Order	M	Numeric	Deprecated: For London, Order is always '1' for the latest (best) record of each type broken/equalled in this event unit. <u>It just applies to event units</u>
	Code	M	CC @RecordCode	Code which describes the record broken by the CumulativeResult /ResultItems /ResultItem /Result value (e.g. "CTM001900"). <u>It just applies to event units</u>
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken (e.g. "OR"). <u>It just applies to event units</u>

The following table describes in more detail the Competition /ExtendedInfos /ExtendedInfo element in the case of Cycling Track.

Element: Competition /ExtendedInfos /ExtendedInfo				
Type	Code	Pos	Value	Description
EI_CT	CT_CURRENT_HEAT		N(1) 0	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send the current heat number
	CT_LAST_HEAT		N(1) 0	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send the last heat number raced

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

Type /Code	Description	LIVE_UPDATE RT trigger expected



EI_CT /CT_CURRENT_HEAT	Send the current heat number. Send just for Individual Sprint 1/16 Finals, 1/16 Final Repechages, 1/8 Finals and 1/8 Final Repechages, Quarterfinals, Semifinals and Finals and for Team Sprint Qualifying	T2
EI_CT /CT_LAST_HEAT	Send the last heat number raced. Send just for Individual Sprint 1/16 Finals, 1/16 Final Repechages, 1/8 Finals and 1/8 Final Repechages, Quarterfinals, Semifinals and Finals.	T10

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

Element: Competition /CumulativeResult /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_CT	CT_LAST_COMP			S(1)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send Y in case of this is one of the last competitors who raced, N if there are another ones more recent.
	CT_BEHIND_LEADER			+MM:SS.ttt +99:90.000	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Time behind the team leader

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

Type /Code	Extension Code	Description	LIVE_UPDATE RT trigger expected
ER_CT /CT_LAST_COMP		Send Y in case of this is one of the last competitors who raced, N if there are another ones more recent. Send just for Team Sprint Qualifying	If changes
ER_CT /CT_BEHIND_LEADER		Time behind the team leader. Send for Team Sprint	T8

6.1.2.6 Message sort

Please, follow the general definition.



DOCUMENT CONTROL

Version history

Version	Date	Comments
R2 v1.0	21 August 2009	Submitted for review version
R2 v2.0	18 September 2009	Submitted for approval and some minor changes
R2 v3.0	16 October 2009	Approved
R2 v4.0	28 June 2010	After improvements presented in last WNPA meeting and some minor issues
R2 v5.0	11 March 2011	After ORIS Release 5 version 1.1
R2 v6.0	8 July 2011	IR043 and minor changes
R2 v6.1	2 September 2011	Defects 45130, 45352, 45499, 45750, 46021
R2 v7.0	2 December 2011	CR004912 & defects 45499, 46396, 51133
R2 v8.0	10 February 2012	IR0101, Defects 45433, 55822, 55935, 57470, 58872, 60337
R2 v9.0	12 March 2012	CR007106 & defect 64429
R2 v10.0	13 April 2012	CR007516, CR008900
R2 v10.1	25 May 2012	Defect 71576, 71771
R2 v11.0	22 Jun 2012	CR010623, Defect 76364, 75265, 78118

File reference: ODF/INT031 R2 v11.0 APP (CT)



Change Log

Version	Status	Changes on version
R2 v1.0	SFR	<ul style="list-style-type: none">• First version
R2 v2.0	SFA	<ul style="list-style-type: none">• Submitted for approval.• Changed the format of the CT_COMMUNIQUE element from numeric to string at the DT_START_LIST, DT_RESULT and DT_PHASE_RESULT messages.• Deleted the elements Country and Place from the list of optional attributes (defined in the new version of the ODF Sport Messages Interface Document as mandatory) at the DT_RECORD message.
R2 v3.0	APP	<ul style="list-style-type: none">• Approved.
R2 v4.0	APP	<ul style="list-style-type: none">• Added the RankEqual attribute at the DT_RESULT, DT_PHASE_RESULT, DT_RANKING and DT_RT_RESULT messages• Added the Order attribute for the RecordIndicator element at the DT_RESULT, DT_PHASE_RESULT and DT_RT_RESULT messages• Changed the ODF Element for the Bib attribute at the DT_PARTIC_TEAMS and DT_PARTIC_TEAMS_UPDATE• Changed the Value format for the Bib attribute from Numeric to String at the DT_PARTIC, DT_PARTIC_UPDATE, DT_PARTIC_TEAMS, DT_PARTIC_TEAMS_UPDATE and DT_START_LIST messages• Added the plus sign (+) at the @Value format of the CT_LAPS_DOWN ExtendedResult code at the DT_RESULT message• Added the CT_RANK_EQUAL Extension code for the CT_INTERMEDIATE ExtendedResult code at the DT_RESULT message• Added the CT_RANK_EQUAL Extension code for the CT_SECTION ExtendedResult code at the DT_RESULT message• Added the CT_RANK_EQUAL and CT_RANK_HEAT_EQ Extension codes for the CT_INTERMEDIATE ExtendedResult code at the DT_PHASE_RESULT message for teams and athletes• Added the CT_RANK_EQUAL and CT_RANK_HEAT_EQ Extension codes for the CT_SECTION ExtendedResult code at the DT_PHASE_RESULT message for teams and athletes• Added the CT_RANK_HEAT_EQ ExtendedResult code at the DT_PHASE_RESULT message for teams and athletes• Modified some specifications about the CT_QUALRULES and CT_NUMBER_HEATS Config codes at the DT_CONFIG message• Added the CT_RANK_QUAL1_16 Config code at the DT_CONFIG message• Added the plus sign (+) at the @Value format of the CT_BEHIND_LEADER and CT_BEHIND_LAST Extension codes and of the CT_BEHIND_LEADER, CT_BEHIND_LAST, CT_LAPS_DOWN and CT_LAP_PTS ExtendedResult codes at the DT_RT_RESULT message.• Changed the ODF Header Values for some events and phases at the DT_RT_RESULT message.• Changed the Comments for the Result/@Rank element at the DT_RT_RESULT message.• The Result/@ResultType element has been changed to Optional (O) at the DT_RT_RESULT message• Added the CT_LAST_QUAL UnitInfo code at the DT_RT_RESULT message.• Added the CT_RANK_EQUAL Extension code for the CT_INTERMEDIATE ExtendedResult code at the DT_RT_RESULT message for teams.• Added the CT_RANK_HEAT, CT_RANK_HEAT_EQ, CT_DIFF_HEAT, CT_LAST_SPRINT, CT_LAPS_SPRINT and CT_CURRENT_COMP ExtendedResult codes at the DT_RT_RESULT message for teams.• Added the CT_RANK_EQUAL Extension code for the CT_INTERMEDIATE ExtendedResult code at the DT_RT_RESULT message for athletes.• Added the CT_RANK_EQUAL Extension code for the CT_SECTION ExtendedResult code at the DT_RT_RESULT message for athletes.• Added the CT_LAST_WINNER code as an Extension of the CT_SECTION ExtendedResult code at the DT_RT_RESULT message for athletes.• Added the CT_RANK_HEAT_EQ, CT_DIFF_HEAT, CT_WINNER_HEAT,



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		CT_LAST_SPRINT, CT_CURRENT_COMP and CT_LAST_COMP ExtendedResult codes at the DT_RT_RESULT message for athletes.
		<ul style="list-style-type: none">• Changed the events/phases which the CT_AVG_SPEED and CT_RANK_HEAT ExtendedResult codes are used for.



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R2 v5.0	APP	<ul style="list-style-type: none">• After ORIS Release 5 version 1.1• Added the MainFunctionId attribute at the DT_PARTIC and the DT_PARTIC_UPDATE messages• Added the E_SUBSTITUTE EventEntry code at the DT_PARTIC and the DT_PARTIC_UPDATE messages• Changed from Mandatory to Optional the StartOrder attribute at the DT_START_LIST message• Removed the CT_ORDER_HEAT EventUnitEntry code at the DT_START_LIST message for teams• Added the CT_HEAT_NUMBER UnitInfo code at the DT_START_LIST message for teams• Changed the Expected information for some of the EventUnitEntry codes at the DT_START_LIST message for individuals and teams• Added the CT_WARNING EventUnitEntry code at the DT_START_LIST message for individuals and teams• Removed the CT_COLOUR EventUnitEntry code at the DT_START_LIST message for individuals• Changed the Trigger and Frequency section at the DT_RESULT message• Added one new optional element at the Message Structure section at the DT_RESULT message to be consistent with the DT_RT_RESULT message• Added some Comments details for some attributes at the DT_RESULT message• Changed from Mandatory to Optional the ResultType attribute at the DT_RESULT message• Added the CT_PHASE_COMPLETED PhaseInfo code at the DT_RESULT message to be consistent with the DT_RT_RESULT message• Added the CT_LAST_QUAL UnitInfo code at the DT_RESULT message to be consistent with the DT_RT_RESULT message• Removed the CT_PTS_SPRINT, CT_FINISH_ORDER and CT_LAPS_DOWN ExtendedResult codes at the DT_RESULT message for teams• Added the CT_INTERMEDIATE (and Extension codes CT_RANK, CT_RANK_EQUAL, CT_BEHIND_LEADER and CT_BEHIND_LAST), CT_SECTION, CT_BEHIND_LEADER, CT_BEHIND_LAST, CT_AVG_SPEED and CT_STATUS ExtendedResult codes for teams at the DT_RESULT message to be consistent with the DT_RT_RESULT message• Added the CT_WARNING ExtendedResult code at the DT_RESULT and at the DT_RT_RESULT messages for individuals or teams• Added the CT_BEHIND_LEADER and CT_BEHIND_LAST as Extension Codes of the CT_INTERMEDIATE ExtendedResult code for individuals at the DT_RESULT message to be consistent with the DT_RT_RESULT message• Added the CT_AVG_SPEED and CT_LAST_WINNER as Extension Codes of the CT_SECTION ExtendedResult code for individuals at the DT_RESULT message to be consistent with the DT_RT_RESULT message• Added the CT_BEHIND_LEADER, CT_BEHIND_LAST and CT_STATUS ExtendedResult codes for individuals at the DT_RESULT message to be consistent with the DT_RT_RESULT message• Changed the Value format for the CT_LAP_PTS ExtendedResult code at the DT_RESULT message for individuals• Added the CT_LAPS_DOWN ExtendedResult code at the DT_RESULT message for individuals• Added the CT_EXPLANATION ExtendedResult code at the DT_RESULT message for individuals• Added the CT_PULLED_OUT ExtendedResult code at the DT_RESULT and at the DT_RT_RESULT messages for individuals or team members• Added some information at the Header Values section at the DT_PHASE_RESULT message• Changed the Result attribute Value format at the DT_PHASE_RESULT message• Changed the CT_INTERMEDIATE ExtendedResult code @Value information at the DT_PHASE_RESULT message for teams• Removed the CT_RANK_HEAT and CT_RANK_HEAT_EQ Extension codes of the CT_INTERMEDIATE ExtendedResult code at the DT_PHASE_RESULT message for teams• Changed the CT_SECTION ExtendedResult code @Value information at the



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		<p>DT_PHASE_RESULT message for teams</p> <ul style="list-style-type: none">• Removed the CT_RANK_HEAT and CT_RANK_HEAT_EQ Extension codes of the CT_SECTION ExtendedResult code at the DT_PHASE_RESULT message for teams.• Removed the CT_AVG_SPEED, CT_RANK_HEAT and CT_RANK_HEAT_EQ ExtendedResult codes at the DT_PHASE_RESULT message for teams• Removed one optional element from the Message Structure section at the DT_PHASE_RESULT message• Removed the CT_INTERMEDIATE (and its Extension codes CT_RANK, CT_RANK_EQUAL, CT_RANK_HEAT and CT_RANK_HEAT_EQ), CT_SECTION (and its Extension codes CT_RANK, CT_RANK_EQUAL, CT_RANK_HEAT and CT_RANK_HEAT_EQ), CT_AVG_SPEED, CT_RANK_HEAT and CT_RANK_HEAT_EQ ExtendedResult codes at the DT_PHASE_RESULT for individuals• Removed the CT_CURRENT_COMP and the CT_LAST_COMPETITOR UnitInfo codes at the DT_RT_RESULT message• Removed the CT_PTS_SPRINT, CT_LAST_SPRINT, CT_LAPS_SPRINT and CT_LAPS_DOWN, CT_RANK_HEAT, CT_RANK_HEAT_EQ and CT_DIFF_HEAT ExtendedResult codes at the DT_RT_RESULT message for teams• Removed the CT_RANK_HEAT, CT_RANK_HEAT_EQ, CT_DIFF_HEAT and CT_WINNER_HEAT ExtendedResult codes at the DT_RT_RESULT message for individuals• Added the CT_LAST_COMP ExtendedResult at the DT_RT_RESULT message for teams• Added the DT_CUMULATIVE_RESULT and the DT_RT_CUMULATIVE_RESULT messages

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R2 6.0	APP	<ul style="list-style-type: none"> Phase Results: this message is only needed for Team Sprint Qualifying, not needed for Team Pursuit Qualifying. DT_CUMULATIVE_RESULT / DT_RT_CUMULATIVE_RESULT: added Sprint event in Header values section. IR043: <ul style="list-style-type: none"> DT_CUMULATIVE_RESULT / DT_RT_CUMULATIVE_RESULT: not needed for Team Pursuit First Round. EU Results / RT EU Results: ExtendedResults CT_AVG_SPEED and CT_BEHIND_LEADER do not apply for Omnium Scratch Race and Omnium Elimination Race Moved Document Control section to the end of the document RT EU Results / RT Cumulative Results: updated comments about ResultStatus
R2 v6.1	APP	<ul style="list-style-type: none"> Defect 45130: The Brackets message should be sent just for Men's and Women's Sprint events Defect 45352: all the references to Team Pursuit Quarterfinals and Semifinals should be changed to Team Pursuit First Round, according to the Common Codes Defect 45499: Add the possibility of IRM at every Race of Sprint Quarterfinals, Semifinals and Finals in the Results message Defect 45750: at the DT_RESULT and DT_RT_RESULT, the Result attribute format should be modified to add negative points Defect 46021: Update the Expected information for the CT_HEAT_NUMBER UnitInfo at the DT_START_LIST message
R2 v7.0	APP	<ul style="list-style-type: none"> CR004912: <ul style="list-style-type: none"> EU Results / RT EU Results: CT_BEHIND_LEADER ExtensionCode for CT_INTERMEDIATE Code in Competitor/ExtendedResults/ExtendedResult element applies also to Team Sprint Defect 45499: EU Results / RT EU Results: moved CT_IRM to ExtensionCode in CT_SECTION for Individual Sprint Quarterfinals, Semifinals and Finals Defect 46396: Cumulative Results / RT Cumulative Results: added clarification in Header Values section Defect 51133: List of teams / List of teams update: clarified that Composition element is mandatory for this message
R2 v8.0	APP	<ul style="list-style-type: none"> IR0101: Add DT_SERIAL message in the PiT messages Defect 45433: DT_RESULT & RT_DT_RESULT: rephrase for CT_LAST_WINNER. Defect 55822: Cumulative Results and RT Cumulative Results: added ER_CT/CT_BEHIND_LEADER attribute. Applies only for Team Sprint Defect 55935: Cumulative results and RT Cumulative Results: added CumulativeResult /RecordIndicators /RecordIndicator Defect 57470: Codes: renamed references to CC @RecordCode by @RecordType and updated description Defect 58872: Cumulative Results: added description for Individual Sprint. Defect 60337: EU Results / EU RT Results: added CT_LAST_HEAT for Omnium Individual Pursuit and Omnium Time Trial
R2 v9.0	APP	<ul style="list-style-type: none"> CR007106: <ul style="list-style-type: none"> Discipline Configuration: updated Omnium Flying Lap @Pos and @Value in CT_INTERMEDIATE EU Results / RT EU Results: updated Omnium Flying Lap @Pos and @Value in CT_INTERMEDIATE and CT_SECTION Defect 64429: List of participants: added @InternationalFederationId
R2 v10.0	APP	<ul style="list-style-type: none"> CR007516: <ul style="list-style-type: none"> The RecordIndicators /RecordIndicator elements are used in DT_RESULT and DT_RT_RESULT so add to DT_CUMULATIVE and DT_RT_CUMULATIVE_RESULT messages too. Clarify the meaning of RecordIndicator@Order, use CC @RecordCode



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		<p>for attribute RecordIndicator@Code, add an attribute called RecordIndicator@RecordType for CC @RecordType in the DT_RESULT, DT_CUMULATIVE_RESULT, DT_PHASE_RESULT, DT_RT_RESULT and DT_RT_CUMULATIVE_RESULT messages.</p> <ul style="list-style-type: none">• CR008900:<ul style="list-style-type: none">▪ Start List: EUE_CT /CT_LINEUP_LOCATION also has to be sent for Omnium Scratch Race
R2 v10.1	APP	<ul style="list-style-type: none">• Defect 71576: Removed Bib attribute from Start/Competitor because the teams don't have Bib number.• Defect 71771: Added CT_RANK, CT_RANK_EQUAL extensions to CT_SECTION Extended Result for teams in DT_RESULT message.• EU Results, Phase Results, Cumulative Results, RT EU Results, RT Cumulative Results: Order attribute for RecordIndicator is deprecated. For London it should be send always '1' for records broken/equalled.
R2 v11.0	APP	<ul style="list-style-type: none">• CR010623: DT_HISTORIC_RECORD: Removed CT_AVG_SPEED extension• Defect 76364: The according to the UCI's rules, disqualified competitors shouldn't be included in the ranking.• Defect 75265: DT_RANKING: added description for ResultType and Result attributes• Defect 78118: DT_RESULTS / DT_RT_RESULTS: added clarification to Result/Rank comments



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