

# Olympic Data Feed

## ODF Cycling Track Data Dictionary for the XX Commonwealth Games

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# 1 Introduction

## 1.1 This document

This document is a Derivative Work (as defined in the License hereto) prepared by Glasgow 2014 Limited for the purpose of the XX Commonwealth Games.

## 1.2 Objective

The objective of this document is to provide a formal definition of the ODF Cycling Track Data Dictionary for the XX Commonwealth Games, with the intention that the information message producer and the message consumer can successfully interchange the information as the Cycling Track competition is run.

## 1.3 Main Audience

The main audience of this document is the IOC as the ODF promoter, Glasgow 2014, ODF users such as the World News Press Agencies, Rights Holding Broadcasters and International Sports Federations.

## 1.4 Glossary

The following abbreviations are used in this document

Acronym	Description
<b>IF or International Federation</b>	The international governing body of an Olympic Sport as recognized by the IOC
<b>IOC</b>	International Olympic Committee
<b>IPC</b>	International Paralympic Committee
<b>CGA</b>	Commonwealth Games Associations
<b>ODF</b>	Olympic Data Feed
<b>ODF-PiT</b>	Olympic Data Feed Point in Time, messages that are generated at certain point during competition
<b>ODF-RT</b>	Olympic Data Feed Real Time, messages that are generated when available
<b>RSC</b>	Results System Codes, determine uniquely one unit of the competition, specifying the discipline, gender, event, phase and unit.
<b>Sport</b>	is administered by an international federation and can be composed of one or more disciplines
<b>WNPA</b>	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/INT142	ODF General Messages Interface Document	This document describes the ODF general messages for the XX Commonwealth Games

## 2 Overall Perspective

### 2.1 Objective

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

### 2.2 End to End data flow

In the following sections, for each ODF General message it will be explained in further detail those elements, attributes, codes, ODF header, the trigger and frequency for each message generation, as well as the sort of the message that are particular in the case of 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	<b>Code</b>	<b>Description</b>
	5_8	Finals 5-8
	9_12	Finals 9-12
	QFL	Quarterfinal
	SFL	Semifinal
	FNL	Final
CC@Code (for brackets)	<b>Code</b>	<b>Description</b>
	FNL	Current Phase in the competition
CC @CompetitorPlace	<b>Code</b>	<b>Description</b>
	BYE	There is no competitor, the other team/athlete passes directly to the next round
	UNK	The competitor is not known yet
CC @IRM	<b>Code</b>	<b>Description</b>
	DNF	Did not finish
	DNS	Did not start
	DSQ	Disqualified
	OVL	Overlapped
	REL	Relegated
CC @QualificationMark	<b>Code</b>	<b>Description</b>
	Q	Qualification
	R	Repechage
CC @RecordCode	Defined in ODF Common Codes Document See entity Record Code <ul style="list-style-type: none"> <li>The entity's attribute to be used is Code</li> </ul>	
CC @RecordType	Defined in ODF Common Codes Document See entity Record Type <ul style="list-style-type: none"> <li>The entity's attribute to be used is Code</li> <li>It will be related to Discipline</li> </ul>	
CC @ResultType	<b>Code</b>	<b>Description</b>
	IRM	Invalid Result Mark
	IRM_TIME	Send both, Time and IRM
	IRM_POINTS	Send both, Points and IRM

	POINTS	Points
	TIME	Time

The following table describes the codes entities specific for Para-Sport events used in document sorted by name, indicating whether the set of values can be found in the ODF Common Codes Document, or listed in the table itself, otherwise.

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

## 4 Point in Time

### 4.1 Point in Time Applicable Messages

The following table is a full list of all ODF 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 General Messages Interface Document.

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

Message Type	Message name	Message used in this sport	Message extended in this document
DT_SCHEDULE	Competition schedule	X	
DT_SCHEDULE_UPDATE	Competition schedule update	X	
DT_PARTIC	List of participants by discipline	X	X
DT_PARTIC_UPDATE	List of participants by discipline update	X	X
DT_PARTIC_TEAMS	List of teams	X	X
DT_PARTIC_TEAMS_UPDATE	List of teams update	X	X
DT_MEDALS	Medal standings	Global	
DT_MEDALLISTS_DAY	Medallists of the day	Global	
DT_HISTORIC_RECORD	Historical records	X	X
DT_GLOBAL_GM	Global good morning	Global	
DT_GLOBAL_GN	Global good night	Global	
DT_START_LIST	Start List	X	X
DT_RESULT	Event Unit Results	X	X
DT_PHASE_RESULT	Phase Results	X	X
DT_CUMULATIVE_RESULT	Cumulative Results	X	X
DT_POOL_STANDING	Pool Standings		
DT_RANKING	Event Final ranking	X	X

DT_STATS	Statistics table		
DT_MEDALLISTS	Medallists of one event	X	
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	X	
DT_RECORD	Records	X	X
DT_COMMUNICATION	Official Communication	X	
DT_BRACKETS	Brackets	X	X
DT_GM	Discipline/venue good morning	X	
DT_GN	Discipline/venue good night	X	
DT_FED_RANKING	Federation Ranking		
DT_CONFIG	Discipline configuration	X	X
DT_WEATHER	Event Unit Weather conditions		
DT_SERIAL	List of Current PiT Serial	X	

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

### 4.1.1.1 Description

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

### 4.1.1.2 Header Values

The definition in the ODF General Messages Interface Document is valid

### 4.1.1.3 Trigger and Frequency

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

### 4.1.1.4 Message Structure

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

- RegisteredEvent

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

### 4.1.1.5 Message Values

The following table lists the “List of participants by discipline/ update” optional attributes (defined in the ODF General Messages Interface Document) that are used in the case 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 lists only extra optional attributes that are used in the case of **Para-Sport** events, as well as the attributes that have an extended definition

Element	Attribute	M/O	Value	Comments
RegisteredEvent	Class	O	CC @SportClasses	Code to identify the Sport class for the athlete.
	Guide	O	S(20) with no leading zeroes	ID to identify the official acting of pilot in the case of events with handicapped athletes

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)

#### 4.1.1.6 Message sort

Please, follow the general definition.

## 4.1.2 List of teams /List of teams update

### 4.1.2.1 Description

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

### 4.1.2.2 Header Values

The definition in the ODF General Messages Interface Document is valid

### 4.1.2.3 Trigger and Frequency

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

### 4.1.2.4 Message Structure

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

- Composition and its child element

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

### 4.1.2.5 Message Values

The following table lists the “List of teams/update” optional attributes (defined in the ODF General 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

### 4.1.2.6 Message sort

Please, follow the general definition.

### 4.1.3 Historical records /Historical records update

#### 4.1.3.1 Description

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

#### 4.1.3.2 Header Values

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

#### 4.1.3.3 Trigger and Frequency

Please, follow the general definition.

#### 4.1.3.4 Message Structure

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

- N/A

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

#### 4.1.3.5 Message Values

The following table lists the Historical records optional attributes (defined in the ODF General Messages Interface Document) that are used in the case of 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

#### 4.1.3.6 Message sort

Please, follow the general definition.



## 4.1.4 Start List

### 4.1.4.1 Description

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

### 4.1.4.2 Header Values

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

### 4.1.4.3 Trigger and Frequency

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.

### 4.1.4.4 Message Structure

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

### 4.1.4.5 Message Values

The following table lists the Start List optional attributes (defined in the ODF General Messages Interface Document) that are used in the case of 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 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
	CT_ORDER_HEAT		N(2) 90	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

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)	For @Type:

			0	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 Individual Pursuit, Time Trial. For <b>Para-Sport</b> events Send for Individual Time Trial
EUE_CT /CT_ORDER_HEAT	Send the order of the racer at the heat	Send for Individual Pursuit, Time Trial. For <b>Para-Sport</b> events Send for Individual Time Trial
EUE_CT /CT_LINEUP_LOCATION	Line-up location. Send 1 for fence and 2 for blue band	Send for Points Race and 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

#### 4.1.4.6 Message sort

Please, follow the general definition.

## 4.1.5 Event Unit Results

### 4.1.5.1 Description

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

### 4.1.5.2 Header Values

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

### 4.1.5.3 Trigger and Frequency

Please, follow the general definition.

### 4.1.5.4 Message Structure

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

### 4.1.5.5 Message Values

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

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 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, Individual Pursuit and Time Trial event units.

Element	Attribute	M/O	Value	Comments
Result /RecordIndicators /RecordIndicator	Order	M	Numeric	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 Individual Pursuit and Time Trial) (for <b>Para-Sport</b> events for 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 Individual Pursuit and Time Trial For <b>Para-Sport</b> events send for Time Trial
UI_CT /CT_ELAPSED_TIME	Send the elapsed time for the winner of the event unit	Just for Points Race and Scratch Race
UI_CT /CT_AVG_SPEED	Send the average speed in km/h of the winner during the event unit	Just for Keirin, Points Race, and Scratch 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

Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Do not send anything
					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

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 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

Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					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 or -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

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_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 Individual Pursuit. @Pos 1..3 (1000m, 2000m and 3000m) for Women's Individual Pursuit. @Pos 1..4 (250m, 500m, 750m and 1000m) for Men's Time Trial.	For Individual Pursuit and Time Trial  For <b>Para-Sport events</b> Time Trial



		@Pos 1..2 (250m, 500m) for Women's Time Trial.  For <b>Para-Sport</b> events @Pos 1..4 (250m, 500m, 750m and 1000m) for Time Trial B	
	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 <sup>st</sup> Race, 2 <sup>nd</sup> Race, Decider) for Individual Sprint @Pos 1..4 (1000m, 1000-2000m, 2000-3000m and 3000-4000m) for Men's Individual Pursuit. @Pos 1..3 (1000m, 1000-2000m, 2000-3000m) for Women's Individual Pursuit. @Pos 1..4 (250m, 250-500m, 500-750m, 750-1000m) for Men's Time Trial. @Pos 1..2 (250m, 250-500m) for Women's Time Trial.  For <b>Para-Sport</b> events @Pos 1..3 (1 <sup>st</sup> Race, 2 <sup>nd</sup> Race, Decider) for Individual Sprint  @Pos 1..4 (250m, 250-500m, 500-750m, 750-1000m) for Time Trial B.	For Individual Sprint (Quarterfinals, Semifinals and Finals), Individual Pursuit and Time Trial  For <b>Para-Sport</b> events  For Sprint (Quarterfinals, Semifinals and Finals), and Time Trial
	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,

			Individual Pursuit  For <b>Para-Sport</b> events  For Sprint Qualifying
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, First Round, first round Repechages, Race for 5 <sup>th</sup> -8 <sup>th</sup> Places and Race for 9 <sup>th</sup> -12 <sup>th</sup> Places- -, Individual Pursuit, Time Trial  For <b>Para-Sport</b> events  For Sprint – Qualifying, and Race for 5 <sup>th</sup> -8 <sup>th</sup> Places -- and 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 Send negative values only for balance (if applies)	For Points Race
ER_CT /CT_PTS_SPRINT		Send the number of points at the @Pos sprint @Pos 1..8 for Women's Points Race @Pos 1..12 for Men's Points Race	For Points Race
ER_CT /CT_STATUS		Send the athlete status	
ER_CT /CT_FINISH_ORDER		Send the finish order of the competitor	For Points Race
ER_CT /CT_LAPS_DOWN		Send the number of laps down	For 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

#### 4.1.5.6 Message sort

Please, follow the general definition.

## 4.1.6 Phase Results

### 4.1.6.1 Description

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

### 4.1.6.2 Header Values

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

This message will be sent for the next phases:

- Team Sprint Qualifying

### 4.1.6.3 Trigger and Frequency

Please, follow the general definition.

### 4.1.6.4 Message Structure

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

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

### 4.1.6.5 Message Values

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

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.tt 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	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

#### 4.1.6.6 Message sort

Please, follow the general definition.

## 4.1.7 Cumulative Results

### 4.1.7.1 Description

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

### 4.1.7.2 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 for Sprint (Quarterfinals, Semifinals, Gold and Bronze Final Races) and Team Sprint Qualifying and First Round, would be:

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

### 4.1.7.3 Trigger and Frequency

Please, follow the general definition.

### 4.1.7.4 Message Structure

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

- ExtendedInfos and its child element ExtendedInfo

### 4.1.7.5 Message Values

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

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 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
	Result	O	MM:SS.ttt 99:00.000 (Individual Sprint and Team Sprint)	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

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 (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 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	MM:SS.ttt 99:00.000 (Team Sprint)	The time obtained by the competitor 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 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
	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	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").



Element	Attribute	M/O	Value	Comments
	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	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: 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	Send the current heat number	If applies and available, for

/CT_CURRENT_HEAT		Individual Sprint 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 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 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

#### 4.1.7.6 Message sort

Please, follow the general definition.

## 4.1.8 Event Final Ranking

### 4.1.8.1 Description

This message is the Event Final Ranking message as described in the ODF General 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.

### 4.1.8.2 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).

### 4.1.8.3 Trigger and Frequency

Please, follow the general definition.

### 4.1.8.4 Message Structure

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

- N/A

### 4.1.8.5 Message Values

The following table lists the Event Final Ranking optional attributes (defined in the ODF General 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 O	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)	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.

### 4.1.8.6 Message sort

Please, follow the general definition.

## 4.1.9 Records

### 4.1.9.1 Description

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

### 4.1.9.2 Header Values

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

### 4.1.9.3 Trigger and Frequency

Please, follow the general definition.

### 4.1.9.4 Message Structure

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

- ExtRecords and its child element

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

### 4.1.9.5 Message Values

The following table lists the Records optional attributes (defined in the ODF General Messages Interface Document) that are used in the case of 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

#### 4.1.9.6 Message sort

Please, follow the general definition.

## 4.1.10 Brackets

### 4.1.10.1 Description

This message is the Brackets message as described in the ODF General 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.

### 4.1.10.2 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

### 4.1.10.3 Trigger and Frequency

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

- Update after each race.

### 4.1.10.4 Message Structure

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

### 4.1.10.5 Message Values

The following table lists the Bracket optional attributes (defined in the ODF General 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 Quaterfinals)
Bracket /BracketItems	Code	M	CC @BracketItemsCode	Each BracketItems should include all BracketItem grouped by their CC @BracketItemsCode.

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).

#### 4.1.10.6 Message sort

Please, follow the general definition.

## 4.1.11 Discipline configuration

### 4.1.11.1 Description

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

### 4.1.11.2 Header Values

Please, follow the general definition.

### 4.1.11.3 Trigger and Frequency

Please, follow the general definition.

### 4.1.11.4 Message Structure

Please, follow the general definition.

### 4.1.11.5 Message Values

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

The following table lists the Discipline configuration optional attributes (defined in the ODF General Messages Interface Document) that are used in the case of 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	For @Type: Send proposed type For @Code: Send proposed code For @Pos : Send the intermediate number For @Value: Distance in meters from the beginning of the race to this intermediate point
	CT_NUMBER_HEATS (send by phase, except for Repechages – by unit--)			N(2) 90	For @Type: Send proposed type For @Code: Send proposed code For @Pos : Do not send anything For @Value: Send the number of heats by phase
	CT_SPRINTS_NUMBER (for Points Race) (send by unit)			N(2) 90	For @Type: Send proposed type For @Code: Send proposed code For @Pos : Do not send anything For @Value: Send the number of sprints by phase
	CT_LAPS_NUMBER (send by phase)			N(1) 0	For @Type: Send proposed type For @Code: Send proposed code For @Pos : Do not send anything For @Value: Send the number of laps by phase
	CT_RANK_QUALRND_2 CT_RANK_QUALRND_1_RPC CT_RANK_QUALQFL CT_RANK_QUALSFN CT_RANK_QUALPLACESx_y (indicate respectively qualification for round 2, round 1 repechage, quarterfinals, semi final and from the xth to the yth place based on rank) (Use @Pos 1 and 2)		N(1) 0	N(4) 9990	For @Type: Send proposed type For @Code: Send one of the specified codes For @Pos:  1 to indicate first rank included in the @Code rule. 2 to indicate last rank included in the @Code rule.

Type	Code	ExtendedConfigItem Code	Pos	Value	Description
	CT_BT_QUALRND_1 CT_BT_QUALPLACESx_y (indicate respectively qualification for round 1 and from the xth to the yth place based on best time) (Use @Pos 1 and 2)				For @Value:  Send the rank according to @Code rule and @Pos (1 or 2)

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		Distance in meters from the beginning to the intermediate point.  Team Pursuit and Men's Individual Pursuit: @Pos 1..4 @Value 1000, 2000, 3000, 4000  Women's Individual Pursuit: @Pos 1..3 @Value 1000, 2000, 3000  Individual Sprint: @Pos 1..2 @Value 100, 200  For <b><u>Para-Sport</u></b> events  Men's Time Trial and Women's Time Trial B @Pos 1..4 @Value 250, 500, 750, 1000	Send for Team Pursuit, Individual Pursuit, Individual Sprint.  For <b><u>Para-Sport</u></b> events  Send for Time Trial
EC_CT /CT_NUMBER_HEATS		Send the number of heats by phase	Send for Individual Pursuit (first round), Team Pursuit (First round), Team Sprint (first round), Individual Sprint (quarterfinals and semifinals) and Keirin (all phases).

Type /Code	ExtendedConfigItem Code	Description	Expected
EC_CT /CT_SPRINTS_NUMBER		Send the number of sprints by phase	Send for 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_QUALQFL /CT_RANK_QUALSFN /CT_RANK_QUALPLACESx_y  /CT_BT_QUALRND_1 /CT_BT_QUALPLACESx_y		<p>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.</p> <p>/CT_BT_QUALRND_1 /CT_BT_QUALPLACESx_y indicate respectively for round 1 and from the xth to the yth place based on best time.</p>	If applies

#### 4.1.11.6 Message sort

Please, follow the general definition.

## 5 Real time

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

### 5.1 Real Time Applicable Messages

The next table is a full list of all ODF-RT messages and describes the list of messages used in Cycling Track the same way as it is done in the table of chapter 4.

Message Type	Message name	Message used in this sport	Message extended in this document
DT_RT_RESULT	RT Event Unit Results	X	X
DT_RT_CUMULATIVE_RESULT	RT Cumulative Results	X	X
DT_RT_CLOCK	RT Clock		
DT_RT_GM	RT Discipline/Venue good morning	X	
DT_RT_GN	RT Discipline/venue good night	X	
DT_RT_KA	RT Discipline/venue keep alive	X	

## 5.1.1 RT Event Unit Results

### 5.1.1.1 Description

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

### 5.1.1.2 Header Values

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

### 5.1.1.3 Trigger and Frequency

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

- ResultStatus="LIVE\_UPDATE"
  - T1: 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 Points Race.....).
  - T5: Trigger after a racer finishes a lap (for Points Race, 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.

### 5.1.1.4 Message Structure

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

#### 5.1.1.5 Message Values

The following table describes in more detail the Result element.

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
Result	Rank	O	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 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, Individual Pursuit and Time Trial event units.

Element	Attribute	M/O	Value	Comments
Result /RecordIndicators /RecordIndicator	Order	M	Numeric	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, Individual Pursuit, Time Trial) <b>(Paras-Sport</b> events: for 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 Individual Pursuit and Time Trial) <b>(Paras-Sport</b> events: for 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 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 Points Race, Scratch 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, Points Race and Scratch 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, Individual Pursuit, Time Trial) ( <b>Paras-Sport</b> events: for Time Trial)	Send the current heat/race number	T2
UI_CT /CT_LAST_HEAT (for Individual Pursuit and Time Trial) ( <b>Paras-Sport</b> events: for Time Trial)	Send the heat/race number of the last finished competitor	T8
UI_CT /CT_RECENT_SPRINT (for Points Race)	Send the most recent sprint number	T4
UI_CT /CT_ELAPSED_TIME (for Points Race and Scratch Race)	Send the elapsed time for the leader	T4 or T5
UI_CT /CT_AVG_SPEED (for Keirin, Points Race and Scratch Race)	Send the average speed in km/h of the leader	T4 or T5 or T10 (Keirin)
UI_CT /CT_TIME_TO_QUALIFY	Send the time to qualify to next phase.	T2 or T8



	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.	
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	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, N in case of change of the value
		CT_IRM		CC @IRM	For @Type: Send the corresponding ExtendedResult @Code For @Code: Send proposed 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

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 Or -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 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 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, 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, 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
					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, N to change a previous Y value
	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 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..4 (1000m, 2000m, 3000m and 4000m) for Men's Individual Pursuit. @Pos 1..3 (1000m, 2000m, 3000m ) for Women's Individual Pursuit.  @Pos 1..4 (250m, 500m, 750m, 1000m) for Men's Time Trial @Pos 1..2 (250m, 500m) for Women's Time Trial  For <b>Para-Sport</b> events	T3

		@Pos 1..4 (250m, 500m, 750m and 1000m) for Time Trial B	
	CT_RANK (for Individual Pursuit)	Rank at this intermediate point	T3
	CT_RANK_EQUAL (for 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 Individual Pursuit)	Time behind current leader of the phase at this intermediate point.	T3
	CT_BEHIND_LAST (for 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..4 (0-1000m, 1000-2000m, 2000-3000m, 3000-4000m) for Men's Individual Pursuit. @Pos 1..3 (0-1000m, 1000-2000m, 2000-3000m) for Women's Individual Pursuit.</p> <p>@Pos 1..4 (0-250m, 250-500m, 500-750m, 750-1000m) for Men's Time Trial @Pos 1..2 (0-250m, 250-500m) for Women's Time Trial</p> <p>@Pos 1..3 (1<sup>st</sup> Race, 2<sup>nd</sup> Race, Decider) for Individual Sprint (Quarterfinals, Semifinals and Finals).</p> <p>For <b>Para-Sport</b> events</p> <p>@Pos 1..3 (1<sup>st</sup> Race, 2<sup>nd</sup> Race, Decider) for Individual Sprint</p> <p>@Pos 1..4 (250m, 250-500m, 500-750m, 750-1000m) for Time Trial B.</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</p>	T3

		Finals)	
	CT_AVG_SPEED (for Individual Sprint Quarterfinals, Semifinals and Finals)	Average speed in km/h at this race	T3
	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, Individual Pursuit, Time Trial) (For <b>Para-Sport</b> events Sprint Qualifying, 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, First Round, First Round Repechages, Race for 5 <sup>th</sup> -8 <sup>th</sup> Places and Race for 9 <sup>th</sup> -12 <sup>th</sup> Places --, Individual Pursuit, Time Trial) (For <b>Para-Sport</b> events for Individual Sprint – Qualifying and Race for 5 <sup>th</sup> -8 <sup>th</sup> Places--, Individual Pursuit and Time Trial)		Average competitor speed in km/h at the race	T8
ER_CT /CT_LAP_PTS (for Points Race)		Send the number of lap points: @Pos can be 1 for points gained, 2 for points lost or 3 for balance Send negative values only for balance (if applies)	T4 or T5
ER_CT /CT_PTS_SPRINT (for Points Race )		Send the number of points at the sprint number @Pos @Pos 1..8 for Women's Points Race @Pos 1..12 for Men's Points Race	T4
ER_CT /CT_LAST_SPRINT (for 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, Individual Pursuit, Flying Lap) (For <b>Para-Sport</b> events		Send Y in case of this is the current competitor, N if the racer finished the race	T7 or T8

for Sprint Qualifying and Time Trial)			
ER_CT /CT_LAST_COMP (for Individual Sprint Qualifying, Flying Lap, 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 /CT_LAPS_DOWN (for Scratch Race)		Send the number of laps down	T3
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

#### 5.1.1.6 Message sort

Please, follow the general definition.

## 5.1.2 RT Cumulative Results

### 5.1.2.1 Description

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

### 5.1.2.2 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 for Sprint (Quarterfinals, Semifinals Gold and Bronze Final Races) and Team Sprint Qualifying and First Round, would be:

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

### 5.1.2.3 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.

### 5.1.2.4 Message Structure

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

### 5.1.2.5 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 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	MM:SS.ttt 99:00.000 (Team Sprint)	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
CumulativeResult /ResultItems /ResultItem /Result	Rank	O	N(2) 90	Rank of the competitor in the result 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

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
	Result	O	MM:SS.ttt 99:00.000 (Team Sprint)	The time points obtained by the competitor 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 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	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	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 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 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

Element: Competition /CumulativeResult /Competitor /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
					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

#### 5.1.2.6 Message sort

Please, follow the general definition.

## 6 PDF feed

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

# DOCUMENT CONTROL

## Version history

Version	Date	Comments
R1 v1.0	15 March 2013	First version SFR
R1 v1.1	12 April 2013	SFA
R1 v1.2	19 April 2013	APP
<b>R1 v1.3</b>	<b>01 August 2013</b>	<b>Updated version</b>

**File reference:** ODF/INT125 R1 v1.1 SFA (CT)

## Change Log

Version	Status	Changes on version
R1 v1.0	SFR	<ul style="list-style-type: none"> <li>• First version</li> </ul>
R1 v1.1	SFA	<ul style="list-style-type: none"> <li>• Submitted for Approval.</li> </ul>
R1 v1.2	APP	<ul style="list-style-type: none"> <li>• Approved version</li> </ul>
R1 v1.3	APP	<ul style="list-style-type: none"> <li>• General changes applied.</li> <li>• Messages not redefined removed, follow General definition.</li> </ul>
<b>R1 v1.4</b>	<b>APP</b>	<ul style="list-style-type: none"> <li>• <b>External Delivery</b></li> <li>• <b>Changes in Rank attribute in DT_RANKING message. Attribute is optional</b></li> </ul>

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