Olympic Data Feed

ODF Cycling Mountain Bike Data Dictionary

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Technology Department
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1 Introduction

1.1 This document

This document includes the ODF Cycling Mountain Bike Data Dictionary. This Data Dictionary refines the messages described in the ODF Central Messages Interface Document and ODF Sport Messages Interface Document specifically for Cycling Mountain Bike, as well as defines the codes used in these messages.

1.2 Objective

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

1.3 Main Audience

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

1.4 Glossary

The following abbreviations are used in this document

- **IF –** International Federation

- **IOC –** International Olympic Committee

- **NOC –** National Olympic Committee

- **ODF –** Olympic Data Feed

- **ODF-RT** – Olympic Data Feed Real Time

- **RSC –** Results System Codes

- **CM –** Cycling Mountain Bike

- **WNPA –** World News Press Agencies

1.5 Related Documents

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

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

2 Overall Perspective

2.1 Objective

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

2.2 End to End data flow

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

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

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

3 Codes

Several codes are used in the definition of the messages in this document. Any code will be referenced the following way:

CC @CodeEntity

CodeEntity is the name of the entity that identifies a particular set of codes.

The following table describes the codes entities used in document sorted by name, indicating whether the set of values can be found in the ODF Common Codes Document, or listed in the table itself, otherwise. Please refer to ODF Sport Messages Interface Document to know the format of these codes.

Code Entity	Code Entity Set of Values	
CC @IntPtType	**Code**	**Description**
	FL	Finish Loop
	LAP	Lap
	HL	Half Lap
	SL	Start Loop
CC @IRM	**Code**	**Description**
	DNF	Did not finish
	DNS	Did not start
	DSQ	Disqualified
	LAP	Lapped
CC @ResultType	**Code**	**Description**
	IRM	For IRM status
	RANK	Rank without final result time
	TIME	Time
CC @TemperatureUnit	**Code**	**Description**
	C	Celsius

4 Cycling Mountain Bike Data Extension

4.1 General Issues

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

4.1.1 ODF header

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

- ODF Header: DocumentCode.

4.1.2 Attributes Definition

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

5   Point in Time

5.1   Point in Time Applicable Messages

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

- The column "Message type" indicates the DocumentType that identifies a message

- The column "Message name" is the message name identified by the message type

- The column "Message documented" indicates the document where you should go to have the general definition for a particular Message type

- The column "Message used in this sport" indicates whether a message is used in particular for this sport or not. If it is not ticked (X), then the message should not be used for this sport.

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

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

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

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

5.1.1.1 Description

This message is the List of participants by discipline (and the update), for that discipline it is the list of athletes, as described in the ODF Central Messages Interface Document.

5.1.1.2 Header Values

The definition in the ODF Central Messages Interface Document is valid

5.1.1.3 Trigger and Frequency

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

5.1.1.4 Message Structure

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

- EventEntry

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

5.1.1.5 Message Values

The following table lists the "List of participants by discipline/ update" optional attributes (defined in the ODF Central Messages Interface Document) that are used in the case Cycling Mountain Bike, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Participant	GivenName	M	S(25)	Given name in WNPA format (mixed case)
	BirthDate	O	YYYYMMDD	Date of birth
	Height	O	N(3) 999	Height in centimetres Send when this information is available
	Weight	O	N(3) 999	Weight in kilograms Send when this information is available
	MainFunctionId	M	CC @Function	Main function
Discipline	InternationalFederationId	O	S(16)	UCI code (competitor's federation number for the discipline). It will be included.
RegisteredEvent	Bib	O	S(2)	Bib number. Although this attribute is optional, it will be updated and informed as soon as this information is known. Example: 8, 10 …

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

Element: EventEntry			
Type	Code	Value	Description
E_ENTRY	E_SUBSTITUTE	S(1)	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send "Y" if the competitor is a substitute

Element: EventEntry

Type	Code	Value	Description
			or N if it is not more.
	E_RANK	S(4)	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send the UCI ranking for the competitor.

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

Type /Code	Description	Expected
E_ENTRY /E_SUBSTITUTE	Flag that indicates the competitor is a substitute.	As soon as this information is (this information can be sent in both messages)
E_ENTRY /E_RANK	UCI Ranking for the competitor.	As soon as the venue results has this information (this information can be sent in both messages)

5.1.1.6 Message sort

Please, follow the general definition.

5.1.2 Start List

5.1.2.1 Description

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

5.1.2.2 Header Values

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

5.1.2.3 Trigger and Frequency

Please, follow the general definition.

5.1.2.4 Message Structure

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

- UnitDateTime (following the general rules for this element)

- UnitInfo

5.1.2.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Start	StartOrder	M	Numeric	Line-up
	SortOrder	M	Numeric	
Composition /Athlete	Bib	O	String	Bib number

The following table describes in more detail the UnitInfo element in the case of Cycling Mountain Bike.

Element: UnitInfo			
Type	Code	Value	Description
UI_ST	CM_ENTRIES	Number	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send the number of entries.
	CM_NOCS	Number	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send the number of NOCs

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

Type /Code	Description	Expected
UI_ST /CM_ENTRIES UI_ST /CM_NOCS	The numbers of entries and NOCs for the statistics	When was available

The following table describes in more detail the EventUnitEntry element in the case of Cycling Mountain Bike.

Element: Competitor /Start /Competitor /Composition /Athlete /EventUnitEntry			
Type	**Code**	**Value**	**Description**
EUE_CM	CM_IRM	CC @IRM	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Indicator as supplied by OVR for DNS or other possible results before the race.

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

Type /Code	Description	Expected
EUE_CM /CM_IRM	Invalid result mark supplied by OVR before the race.	As soon as this information is available

5.1.2.6 Message sort

Please, follow the general definition.

5.1.3 Event Unit Results

5.1.3.1 Description

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

5.1.3.2 Header Values

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

5.1.3.3 Trigger and Frequency

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

- For intermediate results:

    o After last competitor of each lap

- For partials results:

    o After 10 competitors at the finish line

- Official results:

    o After the results for race are approved

5.1.3.4 Message Structure

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

- UnitDateTime

- UnitInfo

- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

5.1.3.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Result	Rank	O	String	Rank of the competitor in the corresponding event unit.
	RankEqual	O	Y	Y in the case of equalled rank
	ResultType	O	CC @ResultType	Result type (see codes section)
	IRM	O	CC @IRM	IRM for the particular event unit. Send just in the case @ResultType is IRM, or both time and IRM (see codes section)
	Result	O	HH:MM:SS 99:90:00	Result for the particular event unit.
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit

Send UnitDateTime including also the @EndDate attribute

The following table describes in more detail the UnitInfo element in the case of Cycling Mountain Bike.

Element: UnitInfo					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
UI_RESULTS	CM_AFTER		N(1) 0	String	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send 1 for partial result Send 2 for race analysis
					For @Value: For partial result (@pos=1): x of Y Riders Or during the race (@pos=2): x riders have completed Lap y (z Km)
	CM_FASTEST		N(2) 90	S(20) with no leading zeroes	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the lap's number in which the competitor had the best time.
					For @Value: Send the competitor most faster
UI_ST	CM_FINISHED			Number	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the lap number who have completed that riders
					For @Value: Send number of riders who finish the race.
	CM_y Where y=CC@IRM			Number	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send number of riders who have IRM.
UI_LEADER	CM_CURRENT			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the intermediate point was the current leader has most recently passed
	CM_ID			S(20) with no leading zeroes	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything

Element: UnitInfo

Type	Code	Extension Code	Pos	Value	Description
					For @Value: Send the Current Leader ID from the intermediate point
	CM_INTERMEDIATE		N(2) 90	HH:MM:SS 99:90:00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the intermediate result point, from 1 to the total number (n) of intermediate result points. Where n is when finish the race. According to the @pos of the EC_RACE /CM_INTERMEDIATE code at the DT_CONFIG message
					For @Value: Leader Time up to that point
		CM_AVGSPEED		N(3).N(3) 990.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Leader Average Speed up to that point
		CM_LAVGSPEED		N(3).N(3) 990.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Average Speed (last lap) km/h
	CM_LAP		N(2) 90	HH:MM:SS 99:90:00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the lap, from 1 to the total number (n) of laps. According to the @pos of the EC_RACE /CM_INTERMEDIATE code at the DT_CONFIG message
					For @Value: Time for that lap.
		CM_AVGSPEED		N(3).N(3) 990.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Average Speed (from start) in that lap

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

Type /Code	Description	Expected
CM_AFTER	For partial result: "x of Y Riders " The number of riders who just passed in that moment and the total of riders. Or During the race: "x riders have completed Lap y (z Km)" Race distance completed.	When was available
CM_FASTEST	To know the faster competitor and in which lap happened	Send only at the end of the race
UI_ST /CM_FINISHED UI_ST /CM_y Where y = CC @IRM	Number of riders who have finish in that moment and the number of riders who have IRM.	When was available
UI_LEADER /CM_CURRENT	Send the intermediate point where the current leader has most recently passed.	when it is available
CM_CURRENT/CM_ID	Send the ID of the current Leader	
UI_LEADER /CM_INTERMEDIATE	Are points in the race, from 1 to n (finish). The @pos attribute should be according to the @pos of the EC_RACE /CM_INTERMEDIATE code at the DT_CONFIG message	when it is available
CM_INTERMEDIATE/ CM_LAVGSPEED	Average speed from the time the leader at the first intermediate of a lap crosses this point until the time the leader crosses the last intermediate point of the lap.	
UI_LEADER /CM_LAP	Are sections between intermediate points The @pos attribute should be according to the @pos of the EC_RACE /CM_INTERMEDIATE code at the DT_CONFIG message The @Value attribute is the Lap time.	when it is available
CM_LAP/ CM_AVGSPEED	Average speed from the start of the race until the time the leader crosses the last intermediate point of a lap.	

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

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_IRM	CM_LAP			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: If the @IRM=LAP Send the laps remaining for finish the race. If the @IRM=DNF Send the lap when the competitor left the race.
ER_RESULTS	CM_CURRENT			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Do not send anything
					For @Value: Intermediate point was the athlete has most recently passed If the competitor has an IRM: 1. In case the DNS or the athlete has an IRM before he crosses the first intermediate point: send 1. 2. In other cases, send the Intermediate point that he has crossed most recently plus 1.
	CM_SPRINTOFF			S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send "Y" for the indication of the sprint-off winner
	CM_INTERMEDIATE		N(2) 90	HH:MM:SS 99:90:00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Intermediate point where the competition has taken place (1,2..)
					For @Value: Cumulative time after the intermediate point (@pos)
		CM_RANK		String	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Cumulative Athlete's rank after the intermediate point
		CM_ERANK		Y	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Y in the case of equalled rank
		CM_DIFF		+H:MM:SS (+9:90:00) Or 0:00 for the leader	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: The difference time between that competitor and the leader until that intermediate point.
		CM_AVRSPEED		N(3).N(3) 990.000	For @Type: Send proposed type

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Average Speed up to that point
		CM_IDX		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Index based on whole list (with the ones who have not passed yet are indexed as well – after the ones who have finished, but before the IRMs. Sorted by the intermediate passed most recently and by order there (if none, then by start order)). Overlapped (LAP) riders must be dropped to the bottom but above the DNF/DSQ/DNS riders. For tied athletes, the rider with the lowest bib number is listed first.
		CM_PASSIDX		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Index based on only the ones who have finished or have an IRM
		CM_LASTFINISH		S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send "Y" for the competitor who has just finished the split or the race.
		CM_OFFICIAL		S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send Y when the time becomes official Send N when the time is unofficial.
	CM_LAP		N(2) 90	HH:MM:SS 99:90:00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the lap, from 1 to the total number of laps.
					For @Value: Time for that lap.

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
		CM_RANK		String	For @Type: Send proposed type
					For @Pos: Do not send anything
					For @Code: Send proposed code
					For @Value: Athlete's rank for that Lap.
		CM_ERANK		Y	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Y in the case of equalled rank
		CM_DIFF		+H:MM:SS (+9:90:00) Or 0:00 for the leader	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Time difference up to that point. Send only for athletes in the split of the leader.
		CM_AVGSPEED		N(3).N(3) 990.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Average Speed up to that point
		CM_IDX		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Index based on whole list (with the ones who have not passed yet are indexed as well – after the ones who have finished, but before the IRMs. Sorted by the intermediate passed most recently and by order there (if none, then by start order)). Overlapped (LAP) riders must be dropped to the bottom but above the DNF/DSQ/DNS riders. For tied athletes, the rider with the lowest bib number is listed first.
		CM_PASSIDX		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Index based on only the ones who have

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					finished or have an IRM
		CM_LASTFINISH		S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send "Y" for the competitor who has just finished the split
	CM_SLOOP		N(1) 0	HH:MM:SS 99:90:00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the number that identifies that start loop.
					For @Value: Send the time for the start loop, the best time should be bolded.
		CM_RANK		String	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Athlete's start loop rank for that start Loop.
		CM_ERANK		Y	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Y in the case of equalled rank
	CM_PHOTO			S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: To know if the competitor's final result was decided by photo. Send Y for Evaluated Status Send P for Pending Status.

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

Type /Code	Description	Expected
ER_IRM /CM_LAP	Laps remaining or laps when the competitor left the race. Example: If the rider abandoned in lap 0 @IRM="DNF" CM_IRM@Value=0 If the rider abandoned in lap 3 @IRM="DNF" CM_IRM@Value=3	Only If the @IRM=LAP or @IRM=DNF Only if the results are approved.

	If the rider lapped with 4 laps remaining @IRM="LAP" CM_IRM@Value=4	
ER_RESULTS /CM_CURRENT	Send for the athlete who has just finished the intermediate point or the race. If the competitor has an IRM: 1. In case the DNS or the athlete has an IRM before he crosses the first intermediate point: send 1. 2. In other cases, send the Intermediate point that he has crossed most recently plus 1.	Always
ER_RESULTS /CM_SPRINTOFF	Indication of the sprint-off winner	If it is necessary
ER_RESULTS /CM_INTERMEDIATE	It's the intermediate point where the competitor has taken place (Time, Rank, Avr. Speed, Difference time).	when it is available
CM_INTERMEDIATE /CM_OFFICIAL	Use for show if the results are official.	Always
ER_RESULTS /CM_LAP	Section between the intermediate points. The section 1 not included the Start Loop information	when it is available
CM_RANK CM_ERANK	Cumulative Athlete's rank after that point	when it is available
CM_DIFF	Intermediate Time difference.	when it is available
CM_AVRSPEED	Cumulative Avr. Speed	when it is available
CM_IDX	Index based on whole list (with the ones who have not passed yet are indexed as well – after the ones who have finished, but before the IRMs. Sorted by the intermediate passed most recently and by order there (if none, then by start order)) of each intermediate point. This element is like a historical of @SortOrder. **Example:** If the leader (ATH1) is in the intermediate point 3 and the Athlete AT2 just to pass for that point so the values for these athletes are **AT1** @SortOrder 1 INTERMEDIATE 3 / _IDX 1 **AT2** @SortOrder 2 _INTERMEDIATE 3 / _IDX 2 Then If the Athlete AT2 is the first to pass for the intermediate point 4, he will be the new leader in that point so the values for these athletes are: **AT2** @SortOrder 1 _INTERMEDIATE 3 / _IDX 2 _INTERMEDIATE 4 / _IDX 1 **AT1** @SortOrder 2 _INTERMEDIATE 3 / _IDX 1 _INTERMEDIATE 4 / _IDX 2	Always
CM_PASSIDX	Index based on only the ones who have finished or have an IRM.	If applies.

	The difference between _IDX and _PASSIDX is the first one will be the order of all the riders who have passed an specific intermediate point or are behind this or have an IRM, while the second one has only the riders who have passed an specific intermediate point or have IRM Example: If we have 10 riders, and 5 have passed through the point 3, both as _IDX @SortOrder contain the order of 10 riders, while the _PASSIDX only be sent to the 5 riders who just passed.	
CM_LASTFINISH	Use this for the competitor who has just finished the intermediate point/Lap or the race.	If applies.
ER_RESULTS /CM_SLOOP	Section between the intermediate points for the start loop. (Time, Rank for start loop)	Only included if start loops are actually used.
CM_SLOOP /CM_RANK CM_SLOOP /CM_ERANK	Athlete's start loop rank for that start Loop.	when it is available
ER_RESULTS /CM_PHOTO	It is an attribute for know if it is necessary made a photo for this competitor.	At the end of the race. Only send for competitor who needs that.

5.1.3.6   Message sort

Please, follow the general definition.

5.1.4 Event's Medallists

5.1.4.1 Description

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

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

5.1.4.2 Header Values

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

5.1.4.3 Trigger and Frequency

Please, follow the general definition.

5.1.4.4 Message Structure

Please, follow the general definition.

5.1.4.5 Message Values

Please, follow the general definition.

5.1.4.6 Message sort

Please, follow the general definition.

5.1.5　Official Communication

5.1.5.1　Description

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

5.1.5.2　Header Values

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

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

5.1.5.3　Trigger and Frequency

- After each incident

5.1.5.4　Message Structure

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

- JuryDecision (following the general rules for this element)

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

5.1.5.5　Message Values

Please, follow the general definition.

5.1.5.6　Message sort

Please, follow the general definition.

5.1.6 Discipline/venue good morning

5.1.6.1 Description

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

5.1.6.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the discipline/venue pairs as described in the ODF Common Codes document.

5.1.6.3 Trigger and Frequency

Please, follow the general definition.

5.1.6.4 Message Structure

Please, follow the general definition.

5.1.6.5 Message Values

Please, follow the general definition.

5.1.6.6 Message sort

Please, follow the general definition.

5.1.7 Discipline/venue good night

5.1.7.1 Description

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

5.1.7.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the discipline/venue pairs as described in the ODF Common Codes document.

5.1.7.3 Trigger and Frequency

Please, follow the general definition.

5.1.7.4 Message Structure

Please, follow the general definition.

5.1.7.5 Message Values

Please, follow the general definition.

5.1.7.6 Message sort

Please, follow the general definition.

5.1.8   Discipline Configuration

5.1.8.1   Description

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

5.1.8.2   Header Values

Please, follow the general definition.

5.1.8.3   Trigger and Frequency

Please, follow the general definition.

5.1.8.4   Message Structure

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

- ExtendedConfigItem

5.1.8.5   Message Values

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

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

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

The following table describes in more detail the ExtendedConfig element.

Element: ExtendedConfig					
Type	Code	ExtendedConfig Item Code	Pos	Value	Description
EC_ENTRY	CM_UCIDATE (By discipline)			YYYYMMDD	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the date for UCI Ranking
EC_RACE (By event)	CM_RDISTANCE			Number	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the total distance for the race in km.
		CM_T_LAPS		N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything

Element: ExtendedConfig

Type	Code	ExtendedConfig Item Code	Pos	Value	Description
					For @Value: Total Lap's numbers in the race
		CM_T_SLOOP		N(1) 0	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Total Start Loop in the race Send if exist a start Loop
		CM_T_INTER		N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Total intermediate points in the race(not including the intermediate 0)
		CM_FLOOP		N(1) 0	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Total Finish Loops in the race Send if a finish loop exists
	CM_INTERMEDIATE		N(2) 90		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the number that identifies the intermediate point, from 1 to n. Where n is when finish the race.
					For @Value: Do not send anything.
		CM_DISTANCE		N(3).N(1) 999.0	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send distance in km
		CM_IS_LAST		S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send "F". Only send for the last intermediate point (when finish the race).
		CM_TYPE		CC @IntPtType	For @Type: Send proposed type

Element: ExtendedConfig

Type	Code	ExtendedConfig Item Code	Pos	Value	Description
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send an indication of whether the timing point is the Start Loop (SL), a Half Lap (HL), a Lap (LAP), or the Finish Loop (FL) (see codes section)
		CM_TYPE_DISTANCE		N(2).N(1) 90.0	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send an indication of whether the timing point is a 'Start Loop', an 'Intermedate Timing Point', or a full 'Lap'. Where the CM_TYPE is SL (Start Loop) or FL (Finish Loop) then do not send the CM_TYPE_DISTANCE attribute, for the 'Half Lap' the value is "*x*.5" where *x* is the number of completed laps, and for the 'Lap' the value is "*x*.0" where *x* is the number of completed laps.
	CM_LAP		N(2) 90		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the lap, from 1 to the total number of lap.
					For @Value: Do not send anything.
		CM_DISTANCE		N(3).N(2) 999.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Lap's distance in km
		CM_START		N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the intermediate point when start the lap.
		CM_FINISH		N(2) 90 Or S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything

Element: ExtendedConfig

Type	Code	ExtendedConfig Item Code	Pos	Value	Description
					For @Value: Send the intermediate point when finish the lap. For lap n, send "F", where n is the point in the race. For the last lap send "F"
	CM_SLOOP		N(2) 90		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the number that identifies the start loop.
					For @Value: Do not send anything.
		CM_DISTANCE		N(3).N(2) 999.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send distance in km.
		CM_START		N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the intermediate point when start the start loop.
		CM_FINISH		N(2) 90 Or S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the intermediate point when finish the start loop. For start loop n, send "F", where n is the point in the race.
EC_QUOTA	CC @Organisation			N(1) 0	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the quota per NOC for that event

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

Type /Code	Description	Expected
E_ENTRY /CM_UCIDATE	Send the date for UCI Ranking	As soon as the venue results has this information
EC_RACE /CM_RDISTANCE	Race description(total race distance, total number of Laps,	Before the start of the race

	start loop, finish loop and intermediate points)	
EC_RACE /CM_INTERMEDIATE	Are points in the race where taken results (Example: after start loop, after each laps, after the finish loop, at the end of the race, ..), from 0 to n. Where 0 is when start the race (at this point does not send results only to have a reference of where to start) and n is when finish the race. Example: If the race has: 1 Start Loop + 2 Lap + 1 Finish loop and we will need to know the times in all that points, the description should be like bellow: Race description: _T_SLOOP=1 _T_LAPS=2 _FLOOP=1 _T_INTER=4, because we will take times in all the previous points _SLOOP =1, _START = 0, _FINISH = 1 _LAP = 1, _START = 1, _FINISH = 2 _LAP = 2, _START = 2, _FINISH = 3 _LAP = 3, _START = 3, _FINISH = 4 (This is the Finish Loop) _INTERMEDIATE = 1,2,3 0 when start the race, but this will not be sent. 1 after the start loop 2,3 after each lap 4 after the finish loop (at the end of the race), in this case send a "_IS_LAST" with "F".	when it is available
EC_RACE /CM_INTERMEDIATE/CM_TYPE EC_RACE /CM_INTERMEDIATE /CM_TYPE_DISTANCE	Define whether the timing point is the Start Loop (SL), a Half Lap (HL), a Lap (LAP), or the Finish Loop (FL) Example: If we have 3 intermediate points, where the first was made in the Start loop, the second after half lap and the third after 1 lap: _INTERMEDIATE = 1 _TYPE=SL _INTERMEDIATE = 2 _TYPE=HL _TYPE_DISTANCE=0.5 _INTERMEDIATE = 3 _TYPE=LAP _TYPE_DISTANCE=1.0 CM_TYPE_DISTANCE - Where the CM_TYPE is SL (Start Loop) or FL (Finish Loop) then do not send the CM_TYPE_DISTANCE attribute, for the 'Half Lap' the value is "x.5" where x is the number of completed laps, and for the 'Lap' the value is "x.0" where x is the number of completed laps.	If apply
EC_RACE /CM_LAP CM_LAP/ CM_DISTANCE	They are the sections for the laps and the finish loop in the race. Example: If the race has: 1 Start Loop + 2 Lap + 1 Finish loop We will have 3 elements _LAP _LAP@pos=1 _LAP@pos=2 _LAP@pos=3	when it is available

	If the race has: Start Loop: 1 x 0.29km Laps: 7 x 5.00km Finish Loop: 1 x 0.31km Total Race Distance: 35.6Km We will have 8 elements _LAP _LAP@pos=1 _DISTANCE@Value=5.00 _LAP@pos=2 _DISTANCE@Value=5.00 _LAP@pos=3 _DISTANCE@Value=5.00 … _LAP@pos=7 _DISTANCE@Value=5.00 _LAP@pos=8 _DISTANCE@Value=0.31 If the race has: Start Loop: 1 x 0.60km Laps: 7 x 5.00km Total Race Distance: 35.6Km We will have 7 elements _LAP _LAP@pos=1 _DISTANCE@Value=5.00 _LAP@pos=2 _DISTANCE@Value=5.00 _LAP@pos=3 _DISTANCE@Value=5.00 … _LAP@pos=7 _DISTANCE@Value=5.00	
CM_LAP/CM_START CM_LAP/CM_FINISH	To know in which intermediate points start or finish that section. Example: If the race has: 1 start loop, 2 laps and one finish loop The _LAP@pos=1 starts in the intermediate point "1" and finish in the "2". The _LAP@pos=2 starts in the intermediate point "2" and finish in the "3". The _LAP@pos=3 starts in the intermediate point "3" and finish in the "4".	when it is available
CM_SLOOP CM_SLOOP/ CM_DISTANCE	Are sections for the start loops in the race. Example: If the race has: 1 start loop, 2 laps and one finish loop _SLOOP@pos=1 If the race has: Start Loop: 1 x 0.29km Laps: 7 x 5.00km Finish Loop: 1 x 0.31km We will have 1 elements _SLOOP _SLOOP@pos=1 _DISTANCE@Value=0.29 If the race has: Start Loop: 1 x 0.60km Laps: 7 x 5.00km Total Race Distance: 35.6Km We will have 3 elements _SLOOP _SLOOP@pos=1 _DISTANCE@Value=0.60	when it is available
CM_SLOOP/CM_START CM_SLOOP/CM_FINISH	To know in which intermediate points start or finish that section. Example: If the race has: 1 start loop, 2 laps and one finish loop The _SLOOP@pos=1 start in the intermediate point 0 and finish in 1.	when it is available
EC_QUOTA /CC@Organisation	Number of quotas per NOC by event	when it is available

5.1.8.6 Message sort

Please, follow the general definition.

5.1.9 Event Unit Weather Conditions

5.1.9.1 Description

This message is the Event Unit Weather Conditions message as described in the ODF Sport Messages Interface Document.

5.1.9.2 Header Values

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

5.1.9.3 Trigger and Frequency

Please, follow the general definition.

5.1.9.4 Message Structure

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

- Competition /Weather /Conditions /Condition (following the general rules for this element)

5.1.9.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Conditions	Code	M	GL	GL for generically, because this information will only be measured once.
	Humidity	M	N(3) 990	Humidity in %
Competition /Weather /Conditions /Condition	Code	M	SKY	Weather condition type
	Value	M	CC @WeatherCondition	Codes that describe the weather
Competition /Weather /Conditions /Temperature	Code	M	AIR	Air
	Unit	M	CC @TemperatureUnit	Metric system unit for temperature
	Value	M	N(2) 90	Temperature of the @Code

5.1.9.6 Message sort

Please, follow the general definition.

6 Real time

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

6.1 Real Time Applicable Messages

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

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

6.1.1 RT Event Unit Results

6.1.1.1 Description

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

6.1.1.2 Header Values

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

6.1.1.3 Trigger and Frequency

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

- ResultStatus="LIVE_UPDATE"

    o T1: Trigger when status changes.

    o T2: Trigger when an athlete passes by the intermediate point.

    o T3: Trigger when leader reach an intermediate point.

    o T4: Trigger during the race if the Status is required.

    o T5: Trigger throughout the race.

    o T6: Trigger after each competitor finishes.

- ResultStatus="LIVE_FULL"

    o This value should be suggested after further testing and sent in the DT_RT_GM message after further testing

    o Suggested to test frequency values around the average time used by the athlete to complete their participation in the course.

- for the other ResultStatus, please, follow the general definition.

6.1.1.4 Message Structure

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

- UnitInfo

- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Please, follow the general considerations for all the different type of messages.

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

6.1.1.5 Message Values

The following table describes in more detail the Result element.

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
Result	Rank	O	String	Rank of the competitor in the corresponding event unit.	T5(Only for those athletes who are at the same split as the leader), T1(If applies)
	RankEqual	O	Y or N	Y in the case of equalled rank. N in the case of tie break.	

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
	ResultType	O	CC @ResultType	Result type (see codes section)	T2, T4, T5, T1, T3
	IRM	O	CC @IRM	IRM for the particular event unit Send just in the case @ResultType is IRM, or both time and IRM (see codes section)	T1, T4
	Result	O	HH:MM:SS 99:90:00	Result for the particular event unit.	T6, T1
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit	T2, T4, T5,T6

The following table describes in more detail the UnitInfo element in the case of Cycling Mountain Bike.

Element: UnitInfo					
Type	Code	Extension Code	Pos	Value	Description
UI_LEADER	CM_CURRENT			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the intermediate point was the current leader has most recently passed.
		CM_ID		S(20) with no leading zeroes	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the Current Leader ID from the intermediate point
	CM_INTERMEDIATE		N(2) 90	HH:MM:SS 99:90:00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the intermediate result point, from 1 to the total number (n) of intermediate result points. Where n is when finish the race. According to the @pos of the EC_RACE /CM_INTERMEDIATE code at the DT_CONFIG message
					For @Value: Leader Time up to that point
		CM_AVGSPEED		N(3).N(3) 990.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Leader Average Speed up to that point
		CM_LAVGSPEED		N(3).N(3)	For @Type:

Element: UnitInfo

Type	Code	Extension Code	Pos	Value	Description
				990.000	Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Average Speed (last lap) km/h
	CM_LAP		N(2) 90	HH:MM:SS 99:90:00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the lap, from 1 to the total number (n) of laps. According to the @pos of the EC_RACE /CM_INTERMEDIATE code at the DT_CONFIG message
					For @Value: Time for that lap.
	CM_AVGSPEED		N(3).N(3) 990.000		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Average Speed (from start) in that lap

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

Type /Code	Description	Expected
UI_LEADER /CM_CURRENT	Send the intermediate point where the current leader has most recently passed.	when it is available
CM_CURRENT/CM_ID	Send the ID of the current Leader	
UI_LEADER /CM_INTERMEDIATE	Are points in the race, from 1 to n (finish). The @pos attribute should be according to the @pos of the EC_RACE /CM_INTERMEDIATE code at the DT_CONFIG message	T3
CM_INTERMEDIATE/ CM_LAVGSPEED	Average speed from the time the leader at the first intermediate of a lap crosses this point until the time the leader crosses the last intermediate point of the lap.	
UI_LEADER /CM_LAP	Are sections between intermediate points. The @pos attribute should be according to the @pos of the EC_RACE /CM_INTERMEDIATE code at the DT_CONFIG message The @Value attribute is the Lap time.	T3
CM_LAP/ CM_AVGSPEED	Average speed from the start of the race until the time the leader crosses the last intermediate point of a lap.	T3

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

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
ER_RESULTS	CM_CURRENT			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Intermediate point was the athlete has most recently passed. If the competitor has an IRM: 1. In case the DNS or the athlete has an IRM before he crosses the first intermediate point: send 1. 2. In other cases, send the Intermediate point that he has crossed most recently plus 1.
	CM_INTERMEDIATE CM_LAP		N(2) 90	HH:MM:SS 99:90:00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies lap/intermediate, from 1 to the total numbers for that(For intermediate It is when finish the race)
					For @Value: Time after the Lap/intermediate
		CM_RANK		String	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Rank up to that point
		CM_ERANK		Y or N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Y in the case of equalled rank. N in the case of tie break.
		CM_DIFF		+H:MM:SS (+9:90:00) Or 0:00 for the leader	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Time difference up to that point. Send only for athletes in the split of the leader. Display leader as 0:00.
		CM_AVGSPEED		N(3).N(3) 990.000	For @Type: Send proposed type

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Average Speed up to that point
		CM_IDX		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Index based on whole list (with the ones who have not passed yet are indexed as well – after the ones who have finished, but before the IRMs. Sorted by the intermediate passed most recently and by order there (if none, then by start order)). Overlapped (LAP) riders must be dropped to the bottom but above the DNF/DSQ/DNS riders. For tied athletes, the rider with the lowest bib number is listed first.
		CM_PASSIDX		N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Index based on only the ones who have finished or have an IRM
		CM_LASTFINISH		S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send "Y" for the competitor who has just finished the split or the race. Send N if it is not more.
		CM_OFFICIAL		S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send Y when the time becomes official Send N when the time is unofficial. Only for Intermediate points.
	CM_PHOTO			S(1)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: To know if the competitor's final result

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					was decided by photo. Send Y for Evaluated Status Send P for Pending Status. Send N if it has not more

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

Type /Code	Description	Expected
ER_RESULTS /CM_CURRENT	Send for the athlete who has just finished the intermediate point or the race. If the competitor has an IRM: 1. In case the DNS or the athlete has an IRM before he crosses the first intermediate point: send 1. 2. In other cases, send the Intermediate point that he has crossed most recently plus 1.	Always
ER_RESULTS /CM_INTERMEDIATE	Are points in the race where we have the competitor's results (time, rank, difference, avr, speed).	when it is available
CM_INTERMEDIATE /CM_OFFICIAL	Use for show if the results are official	Always
ER_RESULTS /CM_LAP	Section between two intermediate points.	when it is available
CM_RANK CM_ERANK	Rank up to that point	when it is available
CM_DIFF	Time difference up to that point	
CM_AVRSPEED	Average Speed up to that point	
CM_IDX	Index based on whole list (with the ones who have not passed yet are indexed as well – after the ones who have finished, but before the IRMs. Sorted by the intermediate passed most recently and by order there (if none, then by start order)) of each intermediate point. This element is like a historical of @SortOrder. **Example:** If the leader (ATH1) is in the intermediate point 3 and the Athlete AT2 just to pass for that point so the values for these athletes are **AT1** @SortOrder 1 _INTERMEDIATE 3 / _IDX 1 **AT2** @SortOrder 2 _INTERMEDIATE 3 / _IDX 2 Then If the Athlete AT2 is the first to pass for the intermediate point 4, he will be the new leader in that point so the values for these athletes are: **AT2** @SortOrder 1 _INTERMEDIATE 3 / _IDX 2 _INTERMEDIATE 4 / _IDX 1 **AT1**	Always

	@SortOrder 2 _INTERMEDIATE 3 / _IDX 1 _INTERMEDIATE 4 / _IDX 2	
CM_PASSIDX	Index based on only the ones who have finished or have an IRM. The difference between _IDX and _PASSIDX is the first one will be the order of all the riders who have passed an specific intermediate point or are behind this or have an IRM, while the second one has only the riders who have passed an specific intermediate point or have IRM Example: If we have 10 riders, and 5 have passed through the point 3, both as _IDX @SortOrder contain the order of 10 riders, while the _PASSIDX only be sent to the 5 riders who just passed.	If applies.
CM_LASTFINISH	Use this for the competitor who has just finished the intermediate point/Lap or the race.	If applies.
ER_RESULTS /CM_PHOTO	It is an attribute for know if it is necessary made a photo for this competitor.	At the end of the race. Only send for competitor who needs that.

6.1.1.6 Message sort

Please, follow the general definition.

DOCUMENT CONTROL

Version history

Version	Date	Comments
R2 v1.0	30 January 2009	Submitted for review version
R2 v2.0	27 February 2009	Comments after Interface meeting
R2 v3.0	27 March 2009	Document reformatted according to changes log Status changed to APP
R2 v4.0	22 May 2009	Changes after the WNPA meeting
R2 v4.1	19 June 2009	Changes for Start List and Event Unit Results
R2 v4.2	17 July 2009	Some minor corrections and added the copyright
R2 v5.0	12 March 2010	Some issues; Changes after ORIS and WNPA meeting
R2 v6.0	19 July 2010	Changes after the Pre Int Test and WNPA meeting
R2 v6.1	3 September 2010	Some issues
R2 v7.0	17 January 2011	IR019 & IR022
R2 v7.1	16 February 2011	Defect 36363
R2 v8.0	8 July 2011	CR2941& Defect 40236, 40597 & IR0447
R2 v8.1	2 September 2011	Defect 40776
R2 v8.2	9 November 2011	Defect 40776, 47591, 48670
R2 v9.0	9 January 2012	CR5540, IR101
R2 v10.0	10 February 2012	CR4913, CR5943
R2 v11.0	12 March 2012	Defect 64429; CR7290

File reference: ODF/INT028 R2 v11.0 APP (CM)

Change Log

Version	Status	Changes on version
R2 v1.0	SFR	• First version
R2 v2.0	SFA	• Add the messages DT_ORGANISATIONS • change the "message document" for DT_SCHEDULE_UPDATE, DT_PARTIC_ATHLETES_UPDATE, DT_PARTIC_OFFICIALS_UPDATE, DT_PARTIC_TEAMS_UPDATE, DT_PARTIC_HORSES_UPDATE to Central • Should be discussed for all sports DT_Participants/ DT_Teams: Entry Element shouldn't not start with [DD]_ .The element should be starts with E_ • change the Communique element from Number to Text. • UCI Ranking is the same in entry and Start List. • Participants: change CM_SUBSTITUTE by E_SUBSTITUTE, CM_UCI _RANK by E_UCIRANK • Add the UCI Ranking date in the discipline configuration message • Participants: UCI Rank Value must be change from Date to Number (3 instead of 2), For UCI Rank delete @pos, Change description of UCI Rank (Send the date must be Send the rank) • Start_List: removed UI_UIC_FEDERATION element, delete comments for SortOrder • Unit_Results: CM_INCIDENTS should be a extension of CM_LAP or CM_START_LOOP depends where the INCIDENTS happened, for StartLoop add POS attribute like in Lap • The race its divided in intermediate points (including the timing points) and lap (section between intermediate points). • Unit Results: The results for the Laps are for each lap, also for start loop, delete CM_Section, Change CM_LAP by CM_INTERMEDIATE, Change CM_SECTION by CM_LAP • Delete Federation Ranking • Configuration: remove the EC_COURSE_MAP element, CM_LAP_DISTANCE must be defined for each LAP also for intermediate and start lopps, delete CM_NOTE. • RT: UI_Result will be removed; the course description for RT and PIT will be defined in Discipline Configuration, removed Status, change the Leader's results to UnitInfo, delete CM_SECTION in RT, add element CM_OFFICIAL • RT: delete the CM_MEDAL, will change the general message for that.
R2 v3.0	APP	• Status changed to APP
R2 v4.0	APP	• Changes after the WNPA meeting: ▪ Change "List of athletes by discipline" (DT_PARTIC_ATHLETES) by "List of participants by discipline" (DT_PARTIC), where this message is merging the messages list of athletes, list of officials and list of historical athletes. ▪ Change "List of athletes by discipline update" (DT_PARTIC_ATHLETES_UPDATE) by "List of participants by discipline update" (DT_PARTIC_UPDATE), where this message is merging the messages list of athletes update and list of officials update. ▪ Merge the messages "List of Teams" (DT_PARTIC_TEAMS) and "List of Historical teams" (DT_TEAMS_HISTORIC) in "List of Teams". ▪ Delete DT_ORGANISATIONS, DT_PARTIC_OFFICIALS, DT_PARTIC_OFFICIALS_UPDATE, DT_PARTIC_HISTORIC, DT_TEAM_HISTORIC. ▪ Add a new message DT_HIST_REC_UPDATE, DT_WEATHER
R2 v4.1	APP	• Start List: Change Competitor@Bib by Composition /Athlete @Bib • Event Unit Results: Change the @Value for _LASTFINISH
R2 v4.2	APP	• Some minor corrections and added the copyright • Delete "equestrian" from the description of DT_PARTIC_HORSES_UPDATE.

Change Log

Version	Status	Changes on version
R2 v5.0	APP	• Participants: Add @MainFunctionId; Add @InternationalFederationId • General: Add a "N" for attributes who has "Y" • Reults: @ResultType should be optional; @SorOrder must be mandatory; Merge RT Data in PiT. • Config: the attributes @Gender and @Phase should be optional; Removed the comments • Changes after the ORIS meeting: ▪ Codes: Add a new ResultType "RANK" because it is possible only know the rank and not the result; Add a CC @QualStatus; Add a CC @TemperatureUnit for Weather ▪ Participants: Add E_Q_STATUS for the provisional Entry List ▪ Start List: Add _ENTRIES and _NOCS for statistics ▪ Config/Results: The intermediate report will be removed So remove all the references for the timing points ; ▪ Result: the Rank should be string; The communiqué number should be for the official results so add a @pos for _COMMUNIQUE more than one results (for final results and for race analysis); Removed the incidents; The results should be show the riders who just to finish, and the number for riders who are LAP, DNF,…; Add UI_ST for statistics; Add a flag _PHOTO To know if the competitor's final result was decided by photo; Add _AFTER for partial and race analysis; Add a _FASTEST to know the competitor most faster in a lap; Change the time diff format ▪ Communication: Add the Race incidents for that report. ▪ Config: Remove the Miles for the distances; Add a _QUOTA for the provisional Entry List; Add _T_FLOOP for the finish loop ▪ Weather: new message ▪ Update the triggers • Changes after the WNPA meeting: ▪ The Bib should be String
R2 v6.0	APP	• General: Update the Y/N values; change the formats; Change the E_Q_STATUS element by general EntryStatus attribute. • Changes after the meeting WNPA (IR003): ▪ Results: Add the attribute RankEqual or the element _ERANK when there are an attribute Rank to identify if this is equalled. • IR004: ▪ Results: Change the @pos by @Value in the _CURRENT element • Changes after the Pre Integration Test: ▪ Results: change for the official results for intermediate points, for the leader average ; Add a new value for photo finish; ▪ Results: Removed the elements UI_ST /CM_ENTRIES and UI_ST /CM_NOCS ▪ Results: Made a clarification for the _CURRENT element in the case of the competitor with IRM;
R2 v6.1	APP	• Codes: remove CC @QualStatus
R2 v7.0	APP	• IR019: ▪ Participants: replace Participant E_ENTRY /E_UCIRANK with E_ENTRY /E_RANK and change it format • Changes after the WNPA meeting (IR022): ▪ Start list/Results/Official communication/ Medallists of one event: Change the triggers and frequency as the revision of WNPA meeting ▪ Codes: add a format column to Section 3 of the Data Dictionaries
R2 v7.1	APP	• Defect 36363: ▪ Results: Change CR_CURRENT and CR_ID by CM_CURRENT and CM_ID respectively

Change Log

Version	Status	Changes on version
R2 v8.0	APP	• CR2941: ▪ Results: The first Average Speed from start for the 1st lap should contain a '-' (UI_LEADER/ CM_INTERMEDIATE/ CM_LAVGSPEED) ▪ Codes: Add an indication of whether the split was an intermediate point or the finish/start of a lap, for it we will add new code CC @IntPtType ▪ Configuration: Add an indication of whether the split was an intermediate point or the finish/start of a lap, for it we will add CM_TYPE_DISTANCE and CM_TYPE • Defect 40236: ▪ <u>In Header Values:</u> Remove the sentence "Attribute @ResultStatus should always be either "LIVE_UPDATE" or "LIVE_FULL".", as this is already explained in the Sport Message Interface document. ▪ <u>In Trigger and Frequencies:</u> Keep the part explaining the triggers for ResultStatus = "LIVE_UPDATE", and say that for the other ResultStatus we should follow the general definition. ▪ <u>In Message Structure:</u> Remove part of the sentence "~~for both LIVE_UPDATE and LIVE_FULL messages~~" ▪ <u>In Message Values:</u> Remove the sentences "In the case of ResultStatus="LIVE_FULL", send <u>all</u> attributes and codes according to the tables described in this section. In the case of ResultStatus="LIVE_UPDATE", send <u>just the updated</u> attributes and codes according to the tables described in this section.", as this is already explained in the Sport Message Interface document. • IR0447: Log changes in ODF documentation should be moved at the end • Defect 40597: ▪ Config: change the trigger; update the @Value of CM_RDISTANCE /CM_FLOOP; update the @Value of CM_LAP /CM_FINISH;
R2 v8.1	APP	• Defecto40776 : update the CM_LEADER/CM_INTERMEDIATE/ CM_LAVGSPEED and CM_LEADER/CM_LAP/ CM_AVGSPPED
R2 v8.2	APP	• Defect 40776 : update the CM_LEADER/CM_LAP/ CM_AVGSPPED • Defect 47591: Config: Update the description for CM_TYPE_DISTANCE & CM_TYPE • Defect 48670: Results: Update the trigger for partial results.
R2 v9.0	APP	• CR5540: ▪ Config: Change the length fields (999.00) in the Course Segment for Start Loop, Laps and Finish Loop. ▪ PiT Result: Add a sample to include a "DNF0" (ER_IRM /CM_LAP) • IR101: Add DT_SERIAL message in the PiT messages
R2 v10.0	APP	• CR4913: ▪ Result: The data for "Lap Time" should be the time for this lap (UI_LEADER / CM_LAP); Remove the "-" for "Average Speed (last lap)" (UI_LEADER / CM_INTERMEDIATE / CM_LAVGSPEED@Value) ▪ Code: Add "HL –Half Lap" in the CC @IntPtType ▪ Results/ Config: Update the sample with the new code HL ▪ Defect 58357: Config: some clarification for EC_RACE /CM_INTERMEDIATE/CM_TYPE, EC_RACE /CM_INTERMEDIATE /CM_TYPE_DISTANCE according with the new code • CR5943: (Defect 48253/47503): ▪ Start List: Add a _IRM for RT.
R2 v11.0	APP	• Defect 64429: Participants: the attribute @InternationalFederationId should be optional • CR7290:

Change Log

Version	Status	Changes on version
		▪ Start List: Communiqué number should be removed (UI_STARTLIST /CM_COMMUNIQUE)
		▪ PiT Results: Communiqué number should be removed (UI_RESULTS /CM_COMMUNIQUE)

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