Olympic Data Feed

ODF Cycling Data Dictionary

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Technology Department

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1 Introduction

1.1 This document

This document includes the ODF Cycling Data Dictionary for Nanjing 2014 Youth Olympics. This Data Dictionary refines the messages described in the ODF General Messages Interface Document specifically for Cycling, 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 Data Dictionary, with the intention that the information message producer and the message consumer can successfully interchange the information as the Cycling competition for Nanjing 2014 Youth Olympics 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

Acronym	Description
IF or International Federation	The international governing body of an Olympic Sport as recognized by the IOC
IOC	International Olympic Committee
IPC	International Paralympic Committee
NOC	National Olympic Committee
ODF	Olympic Data Feed
ODF-PiT	Olympic Data Feed Point in Time, messages that are generated at certain point during competition
RSC	Results System Codes, determine uniquely one unit of the competition, specifying the discipline, gender, event, phase and unit.
Sport	is administered by an international federation and can be composed of one or more disciplines
WNPA	World News Press Agencies

1.5 Related Documents

Document Reference	Document Title	Document Description
ODF/COD001	ODF Common Codes Document	This document describes the ODF codes used across the rest of the ODF documents

ODF/INT300	ODF General Messages Interface Document	This document describes the ODF General Messages

2 Overall Perspective

2.1 Objective

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

2.2 End to End data flow

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

Any ODF Cycling 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 @Bracket	**Code**	**Description**
	FNL	Finals
CC @BracketItems	**Code**	**Description**
	EFL	Eightfinals
	QFL	Quarterfinals (depending on the competition rules)
	SFL	Semi-finals
	FNL	Final
CC @BracketItem	**Code**	**Description**
	H1	Heat 1
	H2	Heat 2
	H3	Heat 3
	H4	Heat 4
	H5	Heat 5
	H6	Heat 6
	H7	Heat 7
	H8	Heat 8
	F	Final
CC @IRM The codes LAP, OTL and REL only send for Road raced	**Code**	**Description**
	DNF	Did not finish
	DNS	Did not start
	DSQ	Disqualified
	LAP	Lapped
	OTL	Over Time Limit, Riders placing are given by the Commissaries. Riders who have completed the race, but are outside of the time limit, should be presented with their actual time rather than the time limit.
	REL	Relegated. Riders are ranked at the place given by the Commissaries (time for group is displayed)

CC @ResultType	**Code**	**Description**
	IRM	IRM status
	RANK	Rank without final result time
	TIME	Time
	POINTS	Points
CC @QualificationMark	**Code**	**Description**
	Q	Qualified
CC @Phase	Defined in ODF Common Codes Document See entity Phase • The entity's attribute to be used is Phase It will be related to Discipline, Gender and Event	
CC @Unit	Defined in ODF Common Codes See entity Unit • The entity's attribute to be used is Event Unit • It will be related to Discipline, Gender, Event and Phase Note: for Eightfinals,Quarterfinals and Semi-finals, the Unit will be the heat number.	

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 Weightlifting, 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 or 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_TEAMS	List of teams	X	
~~DT_PARTIC_HORSES~~	~~List of equestrian horses~~		
DT_START_LIST	Start List	X	X
DT_RESULT	Event Unit Results	X	X
DT_PHASE_RESULT	Phase Results		
DT_CUMULATIVE_RESULT	Cumulative Results	X	X
DT_POOL_STANDING	Pool Standings		
DT_RANKING	Event Final ranking	X	
DT_BRACKETS	Brackets	X	X
DT_MEDALLISTS	Medallists of one event	X	

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

4.1.1.1 Description

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

4.1.1.2 Header Values

The definition in the ODF General Messages Interface Document is valid

4.1.1.3 Trigger and Frequency

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

4.1.1.4 Message Structure

Please, follow the general 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, 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
RegisteredEvent	Bib	O	S(4)	Bib number. Example: 3, 17, 732, 964 …

4.1.1.6 Message sort

Please, follow the general definition.

4.1.2 Start List

4.1.2.1 Description

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

4.1.2.2 Header Values

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

4.1.2.3 Trigger and Frequency

Please, follow the general definition.

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 are:

- UnitDateTime (following the general rules for this element)
- UnitInfo
- Start /Competitor /Composition /Athlete /EventUnitEntry. (except for the Seeding run in BMX)

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

4.1.2.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Start	StartOrder	O	Numeric	The group number. This value will be display only for Individual time trial.(CR) Line-up(CM) Start order of the competitor in the start list. (CB) Send sequential number starting by 1. Do not send anything in case a rider gets a DSQ in a previous run.
	SortOrder	M	Numeric	Same @StartOrder, except that the attribute should be sent even in case of DSQ.
Start /Competitor /Composition /Athlete	Code	M	S(20) with no leading zeroes	Athlete ID
	Bib	O	String	The athlete's race number (CR) Bib number (CM) Athlete's Bike number. (CB)

The following table describes in more detail the UnitInfo element in the case of Cycling,

Element: UnitInfo			
Type	**Code**	**Value**	**Description**
UI_STARTLIST	CY_COMMUNIQUE	String	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send the communiqué number.
UI_ST	CY_ENTRIES	Number	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send the number of entries.
	CY_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_STARTLIST /CY_COMMUNIQUE	Communiqué number for the start list	When was available (for all events)
UI_ST /CY_ENTRIES UI_ST /CY_NOCS	The numbers of entries and NOCs for the statistics	When was available (except for BMX and Cross-Country Eliminator)

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

Element: Competitor /Start /Competitor /Composition /Athlete /EventUnitEntry				
Type	**Code**	**Pos**	**Value**	**Description**
EUE_TIME	CY_STIME		HH:MM:SS 99:99:90	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send the Start time for the competitor
EUE_CY	CY_IRM		CC @IRM	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Indicator as supplied by OVR for DNS or other possible results before the race.
	CY_GATE_SELECTION	N(1) 9	N(1) 9	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos:

				Number of run according to the event phase. Values could be, for example: (1..3) for the Quarterfinals and the Semi-finals (1..1) for Final
				For @Value: Gate selection order to start in this run (e.g.: 1..8)
	CY_WARNING		S(1) (Y)	For @Type: Send proposed type
				For @Code: Send proposed code in case of Warning
				For @Pos: Do not send anything
				For @Value Warning indicator. Send “Y” if a Warning has been given.

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

Type /Code	Description	Expected
EUE_TIME /CY_STIME	Start time	Always, for Time Trial and Cross-country Eliminator Seeding Run
EUE_CY /CY_IRM	Invalid result mark supplied by OVR before the race.	As soon as this information is available
EUE_CY /CY_GATE_SELECTION	Gate selection order per run.	After each run and when this information is known (For BMX - except for Seeding run)
EUE_CY /CY_WARNING	Warning indicator (when the athlete has received a warning).	Send for any athlete in case of Warning (For BMX - except for Seeding run)

4.1.2.6 Message sort

Please, follow the general definition.

4.1.3 Event Unit Results

4.1.3.1 Description

This message is the Event Unit Results 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, taking also into account the following

- For the Road Race event:
  - For intermediate results:
    - After the group including the 15th competitor of each lap
  - Partial Results:
    - After the group including the 15th competitor
  - Official results:
    - After the results for race are approved
- For the Time Trial event:
  - For intermediate results:
    - After each group finished.
  - Official results:
    - After the results for race are approved
- For Cycling Mountain Bike:
  - For intermediate results:
    - After last competitor of each lap
  - For partials results:
    - After 10 competitors at the finish line
  - Official results:
    - After the results for race are approved
- For BMX:
  - Seeding run: After the Seeding run
  - Remaining phases: After all heats of a run have been completed

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 are:

- UnitDateTime (following the general rules for this element)
- UnitInfo
- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult
- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extensions /Extension

4.1.3.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Numeric	Rank of the competitor in the corresponding event unit. This attribute is optional because the rider could get an invalid rank mark.
	RankEqual	O	Y	Send 'Y' if the Rank is equalled.
	ResultType	O	CC @ResultType	Result type. (see codes section) Result type, either time or points or IRM with/out points for the corresponding event unit (see codes section)
	IRM	O	CC @IRM	IRM for the particular event unit. Only if the results are approved. Send just in the case @ResultType is IRM (see codes section)
	Result	O	Road Race and Mountain Bike: HH:MM:SS 99:90:00 Time trial: H:MM:SS.tt 99:90:00.00 BMX M:SS.ttt 9:90.000 Or N(2) 99	Result for the particular event unit. Total result for the particular event unit. (BMX) Send just in the case @ResultType is Time or Points (see codes section), according to expected result in this event phase: -For the Seeding run: send the Time. -For the Quarterfinals and Semi-finals: send the Total Points achieved in all runs for this heat. -For the Final: send the Time. Use Time format: M is minutes, SS is seconds, ttt is thousandths of second
	QualificationMark	O	CC @QualificationMark Or blank	The code which gives an indication on the qualification of the competitor for the next round of the competition. Expected for BMX Quarterfinals and Semifinals. Don't send for the Final. (see codes section) Blank for non-qualified.

Element	Attribute	M/O	Value	Comments
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.

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

Element: UnitInfo					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
UI_RESULTS	CY_COMMUNIQUE			String	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send the communiqué number.
UI_ST	CY_FINISHED			Number	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send number of riders who finish the race.
	CY_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. For CY_DNF only take account of riders who abandoned the race.
	CY_OUT			Number	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: The total number of DNF riders. This should be calculated as Abandoned (@Code = CY_DNF) + Lapped (@Code =CY_LAP)

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

Type /Code	Description	Expected
UI_RESULTS /CY_COMMUNIQUE	The communiqué number.	When was available (all events)
UI_ST /CY_FINISHED	Number of riders who finish in that moment	When was available (Road Race, Time

UI_ST /CY_*y* Where y = CC @IRM	and the number of riders who have IRM For CY_DNF in Road race event, only take account of riders who abandoned the race.	Trial and Cross-country Olympic)
UI_ST /CY_OUT	The total number of DNF riders. This should be calculated as Abandoned (@Code =CY_DNF) + Lapped (@Code =CY_LAP)	When was available (Road Race)

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_CY	CY_INTERMEDIATE	CY_DIFF		Road Race and Cross-country: +H:MM:SS +9:90:00 Or 0:00 for leader Time trial: +HH:MM:SS.tt +9:90:00.00O Or 0:00.00 for 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 at the end of race
		CY_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: intermediate point/section average speed
FOR BMX					
ER_CY	CY_DIFF			+M:SS.ttt +9:90.000 Or blank (for leader)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value Time difference (send just in the case @ResultType is Time), behind of the leader best time. Send blank if the athlete is the leader (for Result @Rank=1). Use Time format: M is minutes SS is seconds ttt is thousandths of second
	CY_WARNING			S(1) (Y)	For @Type: Send proposed type
					For @Code: Send proposed code in case of

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
					Warning
					For @Pos: Do not send anything
					For @Value Warning indicator. Send “Y” when it has received a Warning.
	CY_RUN		N(1) 9	M:SS.ttt 9:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the Run number, from 1 to the total number of runs (according to the event phase). Don’t send for Final phase.
					For @Value: Run Time at the Pos Run result Use Time format: M is minutes SS is seconds ttt is thousandths of second
		CY_RANK		N(2) 99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Rank at the Pos Run result
		CY_ERANK		S(1) (Y)	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: It identifies if the rank at the Pos Run has been equalled, send “Y” in this case.
		CY_POINTS		N(2) 99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Points at the Pos Run result. Don’t send for Seeding run.
		CY_IRM		CC @IRM	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
					For @Pos: Do not send anything
					For @Value: Send just in the case the result is an IRM (invalid result mark) at this Pos Run result. (see codes section)
		CY_GATE		N(1) 9	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Gate selected at this run (e.g.: 1..8) Don't send for Seeding run.
		CY_ORDER		N(2) 90	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Result's order at this Pos Run result (based in the points at this run). Don't send for Seeding run.
		CY_POINTS_AFTER		N(2) 99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Cumulative Points after the Pos Run result. Don't send for Seeding run.
		CY_RANK_AFTER		N(2) 90	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Result Rank after this run (after the Pos Run result)
		CY_ERANK_AFTER		S(1) (Y)	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: It identifies if the rank after this run

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
					(after the Pos Run) has been equalled, send “Y” in this case.
		CY_ORDER_AFTER		N(2) 90	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Result’s order after this run (after the Pos Run result).
	CY_SEEDING_RUN		N(1) 9	M:SS.ttt 9:90.000	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the Run number, from 1 to the total number of runs (according to the Seeding run).
					For @Value: Time to the Start at this Run (@Pos). Use Time format: M is minutes SS is seconds ttt is thousandths of second
		CY_ST_RANK		N(2) 99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Rank to the Start at this Run (@Pos).
		CY_ST_ERANK		S(1) (Y)	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: It identifies if the rank to the start at this run (@Pos) has been equalled, send “Y” in this case.

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

Type /Code	Description	Expected
ER_RESULTS /CY_INTERMEDIATE /CY_DIFF or CY_AVGSPEED	Average Speed and Difference time of competitor	Difference for Road Race, Time Trial, Cross-country Olympic and Eliminator Seeding Run, Average Speed for Time

		Trial
For BMX		
ER_CY /CY_DIFF	Time difference, behind of the leader best time.	Only for Seeding run and Final phase (if it applies)
ER_CY /CY_WARNING	Warning indicator (when the athlete has received a warning).	Send for any athlete in case of Warning
ER_CY /CY_RUN /CY_RANK /CY_ERANK /CY_IRM	Competitor's results (Time) of each run: (rank, equalled rank indicator -if it applies- or IRM).	Always after each run, except for Final phase
ER_CY /CY_RUN /CY_POINTS /CY_ORDER	Competitor's results points and order achieved of each run in Quarterfinals and Semi-finals.	Always after each run, except for Seeding run and Final phase
ER_CY /CY_RUN /CY_GATE	Competitor's gate selected of each run.	Always after each run, except for Seeding run and Final phase
ER_CY /CY_RUN /CY_POINTS_AFTER /CY_RANK_AFTER /CY_ERANK_AFTER /CY_ORDER_AFTER	Competitor's cumulative results points, rank, equalled rank indicator -if it applies- and order achieved after each run in Quarterfinals and Semi-finals.	Always after each run, except for Seeding run and Final phase
ER_CY /CY_SEEDING_RUN /CY_ST_RANK /CY_ST_ERANK	Competitor's results (Time) to the Start of the run in Seeding run (rank, equalled rank indicator -if it applies-	Only for Seeding run (after completion)

4.1.3.6 Message sort

Please, follow the general definition.

4.1.4 Cumulative Results

4.1.4.1 Description

This message is the Cumulative Results 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

- For the Team Relay event:
  - For interim results:
    - When each team member finish his relay
  - Official results:
    - After the results for race are approved
- For the Team event:
  - For intermediate results:
    - At the end of each Phase or event/unit where points are allocated.
  - Official results:
    - At the end of event.

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 are:

-

4.1.4.5 Message Values

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

Element	Attribute	M/O	Value	Comments
CumulativeResult	Rank	O	Numeric	Rank of the competitor in the corresponding event unit. This attribute is optional because the rider could get an invalid rank mark.
	RankEqual	O	Y	Send 'Y' if the Rank is equalled.
	ResultType	O	CC @ResultType	Result type. (see codes section) Result type, either time or points or IRM with/out points for the corresponding event unit (see codes section) TIME for "Team Relay" POINTS for "Team Event"

Element	Attribute	M/O	Value	Comments
	IRM	O	CC @IRM	IRM for the particular event unit. Only if the results are approved. Send just in the case @ResultType is IRM (see codes section)
	Result	O	N(3) 990 HH:MM:SS 99:90:00	Total Points of team for Team Event Total Time for Team Relay
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.

CumulativeResult /ResultItems /ResultItem

Identifier of either phase or unit, for the schedule item to which it is going to be included the result summary. ResultItem /Result will be for either one particular previous phase -identified by @Phase- or unit (if @Unit is also informed or just phase otherwise.

Attribute	M/O	Value	Comments
Phase	M	CC @Phase	Phase code of the latest RSC schedule item (either phase or unit) to which the cumulative results is updated to. Phase code that define each event that compose Team Event
Unit	O	CC @Unit	Unit code of the latest RSC schedule item to which the cumulative results is updated to. It should be informed just in the case the latest schedule item is an event unit. Otherwise, do not include. Unit

CumulativeResult /ResultItems /ResultItem /Result

For any Event Unit Results message, there should be at least one competitor being awarded a result for the event unit.

Attribute	M/O	Value	Comments
Rank	O	Numeric	Rank of the competitor in the corresponding event unit. This attribute is optional because the rider could get an invalid rank mark.
RankEqual	O	Y	Send 'Y' if the Rank is equalled.
ResultType	O	CC @ResultType	Result type. (see codes section) Result type, either points or IRM with/out points for the corresponding event unit (see codes section)
IRM	O	CC @IRM	IRM for the particular event unit. Only if the results are approved. Send just in the case @ResultType is IRM (see codes section)
Result	O	N(3) 990 HH:MM:SS 99:90:00	Points of team in the Event Unit (Team Event) Time of team in the Event Unit (Team Relay)

Attribute	M/O	Value	Comments
SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.

The following table describes in more detail the Competitor /ExtendedResults /ExtendedResult element. (Use for Team Relay event)

Element: CumulativeResult /Competitor /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
ER_CY	CY_DIFF			+M:SS.ttt +9:90.000 Or blank (for leader)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value Time difference (send just in the case @ResultType is Time), behind of the leader best time. Send blank if the team is the leader (for Result @Rank=1). Use Time format: M is minutes SS is seconds ttt is thousandths of second

The following table describes in more detail the Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element. (Use for Team event)

Element: CumulativeResult /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
ER_CY	CY_POINTS		S(1)	N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Send the Phase code used for identify each event in “Team Event”
					For @Value Points of the athlete in the corresponding event

4.1.4.6 Message sort

Please, follow the general definition.

4.1.5 Brackets

4.1.5.1 Description

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

In the case of Cycling, the message has to be sent for Cross-country eliminator (finals), as listed in the header values section.

4.1.5.2 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).

4.1.5.3 Trigger and Frequency

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

- Seeding run:
    - After the seeding run
- Eightfinals, Quarterfinals, Semi-finals and Finals:
    - After the last run of last heat

4.1.5.4 Message Structure

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

- Bracket /BracketItems /BracketItem /CompetitorPlace /Competitor and its child element (it should be included only when the competitor is known)

Moreover, the following should be considered:

- Bracket /BracketItems /BracketItem /NextUnit should be informed in the case of the Eightfinals, Quarterfinals and Semi-finals.
- Bracket /BracketItems /BracketItem /CompetitorPlace /PreviousUnit should be informed in the case of the Final, Semi-finals and Quaterfinals.

4.1.5.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Bracket	Code	M	CC @Bracket	Bracket code to identify a bracket item. It should be always a bracket of finals.
Bracket /BracketItems	Code	M	CC @BracketItems	Bracket code to identify a set of bracket items. It is referred to the phase of event. It will be sent quarterfinals, semi-finals or final phase (e.g.: QFL *Quarterfinals…)*
Bracket /BracketItems /BracketItem	Code	M	CC @BracketItem	Bracket code to identify a bracket item. It is referred to the related unit of phase. It will be sent the heat number within the phase (for Quarterfinals and Semi-finals), or final for Final. (E.g.: it could be: (for *Quarterfinals)*: H1-Heat 1, …, H4-Heat 4 (…) (for *Final)*: F-Final)
Bracket /BracketItems	Phase	M	‘A’	Phase code for the event

Element	Attribute	M/O	Value	Comments
/BracketItem /Unit	Unit	M	CC @Unit	Unit code for which the current bracket item belongs to. For the Eightfinals, Quarterfinals and the Semi-finals, the unit will be the heat number (e.g.: '81' for heat-1, '82' for heat-2, etc according to the defined units in common codes).

4.1.5.6 Message sort

Please, follow the general definition.

DOCUMENT CONTROL

Version history

Version	Date	Comments
R2 v1.0	22 November 2013	Submitted for review version
R2 v1.1	05 December 2013	Submitted for Approval version with updates of DRF
R2 v1.2	20 December 2013	Submitted for approval with updates in General definition
R2 v1.3	28 February 2014	Approved, some minor issues
R2 v1.4	4 July 2014	DT_MEDALLIST added to the list of applicable messages

File reference: ODF/INT310 R2 v1.4 APP (CY)

Change Log

Version	Status	Changes on version
R2 v1.0	SFR	• First version
R2 v1.1	SFA	• 3. Code for Eightfinal updated to “EFL” • 4.1.1.4. EventEntry reference removed. • 4.1.1.5. Bib definition updated. • 4.1.3.5 : ▪ CR_ codes updated to CY_ ▪ CY_DNF_T replaced by CY_OUT ▪ CY_RUN definition updated. @Value added and CY_TIME removed. ▪ CY_START_RUN replaced by CY_SEEDING_RUN ▪ @Value added to CY_SEEDING_RUN and CY_TIME removed. • 3. CC@desc removed.
R2 v1.2	SFA	• 1.1 & 1.2 General definition updated. • 4.1 Pool Standing message name updated.
R2 v1.3	APP	• DT_PARTIC_HORSES removed from 4.1 messages table • Add the DT_SCHEDULE_UPDATE message
R2 v1.4	APP	• DT_MEDALLIST added to the list of applicable messages

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