



INTERNATIONAL
OLYMPIC
COMMITTEE

ODF SOG-2020-CTR-2.7 APP

OLYMPIC DATA FEED

ODF Cycling Track Data Dictionary

Tokyo 2020 - Games of the XXXII Olympiad

Technology and Information Department

© International Olympic Committee

ODF SOG-2020-CTR-2.7 APP

27 March 2020



License

The document accompanying this license and the information contained therein (the Document), whether in a paper or electronic format, is made available to you subject to the terms stated below. By using and/or copying all or part of the Document, you (the licensee) agree that you will comply with the following terms and conditions.

1. You may, on a non-exclusive basis, use the Document only on the condition that you abide by the terms of this license. Subject to this condition and other terms and restrictions contained herein, the Document and the information contained therein may be used (i) to further develop the standards described in the Document for use in relation with the Olympic and Paralympic Games and/or (ii) to develop similar standards for other events than the Olympic and Paralympic Games (both (i) and (ii) are hereinafter designated as the Permitted Use, and works further developing these standards for the Olympic and Paralympic Games or developing similar standards for other events are hereinafter referred to as Derivative Works), and copies of the Document or of Derivative Works may be made and distributed for the purpose of the Permitted Use, PROVIDED THAT the COPYRIGHT and references to the IOC appearing in the Document and the TERMS OF THIS LICENSE are included on ALL such COPIES, and further PROVIDED THAT you do not charge any fee or any other monetary compensation for the distribution of the Document to others. The copyright and other intellectual property rights in the Document remain vested in the IOC and the IOC remains entitled to assert his copyright or other intellectual property rights in the Document against any person or entity who does not comply with the terms of this License.
2. A copy of any Derivative Work shall be provided to the IOC free of charge. Moreover, the IOC is granted a worldwide, perpetual, unrestricted, royalty-free non-exclusive license to use any Derivative Work for the further development of the standards made by or for the IOC in relation to the Olympic and Paralympic Games (these standards and the documents describing them are hereinafter referred to as Further Standards) and to make or have made all kinds of exploitation of the Further Standards, with the right to grant sub-licenses.
3. Except if reproduced in the Document, the use of the name and trademarks of the IOC is strictly prohibited, including, without limitation, for advertising, publicity, or in relation to products or services and their names. Any use of the name or trademarks of the IOC, whether registered or not, shall require the specific written prior permission of the IOC.
4. NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE REGARDING THE ACCURACY, ADEQUACY, COMPLETENESS, RELIABILITY OR USEFULNESS OF ANY INFORMATION CONTAINED IN THE DOCUMENT. The Document and the information contained herein are provided on an "as is" basis. THE IOC DISCLAIMS ALL WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF NON-INFRINGEMENT OF PROPRIETARY RIGHTS, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL THE IOC BE LIABLE TO ANYONE FOR DAMAGES OF ANY KIND ARISING FROM OR RELATING TO YOUR ACQUISITION, USE, DUPLICATION, DISTRIBUTION, OR EXPLOITATION OF THE DOCUMENT OR ANY PORTION THEREOF, INCLUDING BUT NOT LIMITED TO, COMPENSATORY DAMAGES, LOST PROFITS, LOST DATA OR ANY FORM OF SPECIAL, INCIDENTAL, DIRECT, INDIRECT, CONSEQUENTIAL OR PUNITIVE DAMAGES, WHETHER BASED ON BREACH OF CONTRACT OR WARRANTY, TORT OR OTHERWISE. THE IOC FURTHER DISCLAIMS ANY LIABILITY FOR ANY DAMAGE CAUSED WHEN THE DOCUMENT IS USED IN A DERIVATIVE WORK. The IOC further disclaims any liability regarding the existence or inexistence of any intellectual property or other rights that might be claimed by third parties with respect to the implementation or use of the technology or information described in the Document.

The same conditions as those described in this Section shall apply mutatis mutandis to the license granted to the IOC on the Derivative Works in Section 2 above.

5. This License is perpetual subject to your conformance to its terms and conditions. The IOC may terminate this License immediately upon your breach of any of its terms and, upon such termination you will cease all use, duplication, distribution, and/or exploitation in any manner of the Document.
6. This License is governed by the laws of Switzerland. You agree that any disputes arising from or relating to this License will be resolved in the courts of Lausanne, Switzerland.

IF YOU DO NOT AGREE TO THESE TERMS YOU MUST CEASE ALL USE OF THE DOCUMENT NOW.



1 Introduction

1.1 This document

This document includes the ODF Cycling Track Data Dictionary. This Data Dictionary refines the messages described in the ODF General Messages Interface Document specifically for cycling track.

1.2 Objective

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

1.3 Main Audience

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

1.4 Glossary

The following abbreviations are used in this document.

Acronym	Description
IF	International Federation
IOC	International Olympic Committee
NOC	National Olympic Committee
ODF	Olympic Data Feed
RSC	Results System Codes
WNPA	World News Press Agencies

1.5 Related Documents

Document Title	Document Description
ODF General Principles Document	The document explains the environment and general principles for ODF.
ODF General Messages Interface Document	The document describes the ODF General Messages
ODF Common Codes	The document describes the ODF Common codes used across all ODF documents.
ODF Sport Codes	The document describes the ODF Sport codes used across all ODF documents
ODF Header Values	The document details the header values which show which RSCs are used in which messages.



2 Messages

2.1 Applicable Messages

The following table is a full list of all ODF messages and describes the list of messages used in cycling track.

- 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 extended” indicates whether a particular message has extended definition in regards to those that are general for all sports. If one particular message is not extended, then it should follow the general definition rules.

Message Type	Message Name	Message extended
DT_SCHEDULE / DT_SCHEDULE_UPDATE	Competition schedule / Competition schedule update	
DT_PARTIC / DT_PARTIC_UPDATE	List of participants by discipline / List of participants by discipline update	X
DT_PARTIC_NAME	Participant Names	
DT_PARTIC_TEAMS / DT_PARTIC_TEAMS_UPDATE	List of teams / update	X
DT_MEDALS	Medal standings	
DT_RESULT	Event Unit Start List and Results	X
DT_CUMULATIVE_RESULT	Cumulative Results	X
DT_IMAGE	Image	X
DT_PRESSPHOTOFINISH_LK	Press Photofinish	
DT_BRACKETS	Brackets	X
DT_RECORD	Records	X
DT_RANKING	Event Final Ranking	X
DT_COMMUNICATION	Official Communication	
DT_CONFIG	Configuration	X
DT_MEDALLISTS	Event's Medallists	X
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	
DT_LOCAL_OFF	Discipline/venue stop transmission	
DT_LOCAL_ON	Discipline/venue start transmission	
DT_KA	Keep Alive	



2.2 Messages

2.2.1 List of participants by discipline / List of participants by discipline update

2.2.1.1 Description

A participant is considered to be any individual (type athlete, participating or not in the current games) or any official in one or several disciplines or a competitor being part of a team (team member).

Although the participant may participate in more than one event or more than one discipline, this message just contains the information for the discipline of the message, listing the information of all the events for that discipline.

This message includes historical athletes that do not participate in the current competition. Historical athletes will not be registered to any event.

It is important to note that all the sport messages that make references to athletes (start list, event unit results, etc.) will always match the athlete ID with the athlete ID in this message. The historical athletes will be used to match historical athlete information as it appears in the records message when sending the previous record information and this previous record was an historical record not being broken in the current competition.

List of participants by discipline (DT_PARTIC) is a bulk message, provided for each discipline. It is a complete participant information message for one particular discipline. The arrival of this message resets all the previous participants' information for one particular discipline. This message can include a list of current athletes, officials, coaches, guides, technical officials, Reserves and historical athletes regardless of status.

List of participants by discipline update (DT_PARTIC_UPDATE) is an update message. It is not a complete list of participants' information by discipline message, only the participant data being modified, i.e. if some data of one participant changes, the element Participant for it with all its children and attributes must be sent.

The key of the information updated consists of the following attribute: Participant @Code. Therefore, any new or updated Participant Discipline-Event will be identified by all these attributes.



2.2.1.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC (discipline level)	RSC at the discipline level
DocumentType	DT_PARTIC / DT_PARTIC_UPDATE	List of participants by discipline message
Version	1..V	Version number associated to the message's content. Ascendant number
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	<p>Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight.</p> <p>If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2).</p> <p>The end of the logical day is defined by default at 03:00 a.m.</p> <p>For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction.</p> <p>Logical Date is expressed in the local time zone where the message was produced.</p>
Source	SC @Source	Code indicating the system which generated the message.

2.2.1.3 Trigger and Frequency

The DT_PARTIC message is sent as a bulk message before the Games. It is sent several times up to the date of transfer of control to OVR after which only DT_PARTIC_UPDATE messages are sent.

The DT_PARTIC_UPDATE message is triggered when there is a modification in the data for any individual after the transfer of control to OVR.



2.2.1.4 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Sample

<Competition Gen="SOG-2020-1.10" Sport="SOG-2020-CTR-1.10" Codes="SOG-2020-1.20" >

Element: Participant (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	<p>Participant's ID.</p> <p>It identifies an athlete or an official and the holding participant's valid information for one particular period of time.</p> <p>It is used to link other messages to the participant's information.</p> <p>Participant's information (example @Organisation) will not be the latest for the athlete/official, unless the @Code attribute is the same as the @Parent attribute. However, this information could be the one being valid in the particular moment of a start list, event unit results, etc.</p> <p>When the participant is an historical one, then this ID will start with "A" when it is an Athlete, "C" when Coach and "O" when Official.</p>
Parent	M	S(20) with no leading zeroes	<p>Participant's parent ID, which is used to link to the latest valid information for one participant. @Parent attribute should be linked to the latest participant's information, by retrieving that Athlete/Official whose @Code attribute is the same as @Parent.</p> <p>The participant containing @Code attribute being the same as the @Parent attribute will be the one with the latest information for the participant.</p> <p>The @Parent attribute will only be different from @Code in the case that critical personal information has changed from previous competitions. The typical examples are Organisation (for change of country) or Name (particularly for women changing their name at marriage). Further to be clear, @Parent and @Code can only be different if Current = "false".</p>



Element: Participant (1,N)			
Attribute	M/O	Value	Description
Status	O	CC @ParticStatus	Participant's accreditation status this attribute is Mandatory in the case of @Current="true" and it is optional in the case that @Current="false". To delete a participant, a specific value of the Status attribute is used.
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)
PrintName	M	S(35)	Print name (family name in upper case + given name in mixed case)
PassportGivenName	O	S(25)	Passport Given Name (Uppercase)
PassportFamilyName	O	S(25)	Passport Family Name (Uppercase)
PrintInitialName	M	S(18)	Print Initial name (for the given name it is sent just the initial, without dot)
TVName	M	S(35)	TV name
TVInitialName	M	S(18)	TV initial name
TVFamilyName	M	S(25)	TV family name
Gender	M	CC @PersonGender	Participant's gender
Organisation	M	CC @Organisation	Organisation ID
BirthDate	O	YYYY-MM-DD	Date of birth. This information may not be known at the very beginning, but it will be completed for all participants after successive updates
Height	O	S(3)	Height in centimetres. It will be included if this information is available. This information is not needed in the case of officials/referees. "-" may be used where the data is not available.
Weight	O	S(3)	Weight in kilograms. It will be included if this information is available. This information is not needed in the case of officials/referees. Do not send if data not available.
PlaceofBirth	O	S(75)	Place of Birth
CountryofBirth	O	CC @Country	Country ID of Birth
PlaceofResidence	O	S(75)	Place of Residence
CountryofResidence	O	CC @Country	Country ID of Residence
Nationality	O	CC @Country	Participant's nationality. Although this attribute is optional, in very exceptional situations it will not be known, and for this reason not ready to be sent.
MainFunctionId	O	CC @ResultsFunction	Main function In the Case of Current="true" this attribute is Mandatory.



Element: Participant (1,N)			
Attribute	M/O	Value	Description
Current	M	boolean	It defines if a participant is participating in the games (true) or is a Historical participant (false).
OlympicSolidarity	O	S(1)	Send Y if the participant is a member of the Solidarity / Scholarship Program else not sent.
ModificationIndicator	M	S(1)	'N' or 'U' Attribute is mandatory in the DT_PARTIC_UPDATE message only N-New participant (in the case that this information comes as a late entry) U-Update participant If ModificationIndicator='N', then include new participant to the previous bulk-loaded list of participants If ModificationIndicator='U', then update the participant to the previous bulk-loaded list of participants To delete a participant, a specific value of the Status attribute is used.

Element: Participant /Discipline (1,1)

All participating athletes will be assigned at least one discipline, it could be more. Each accredited official will be assigned at least one discipline, but it could be more. If an athlete or official is assigned to more than one discipline, it will be included in the participant message of both disciplines.

Attribute	M/O	Value	Description
Code	M	CC @Discipline	It is the discipline code used to fill the OdfBody @DocumentCode attribute.
IFId	O	S(16)	UCI Id. (competitor's federation number for the discipline).

Element: Participant /Discipline /RegisteredEvent (0,N)

All accredited athletes will be assigned to one or more events. There is an exception: substitutes may be accredited without any associated event. Historical athletes are not registered to any event.

Attribute	M/O	Value	Description
Event	M	CC @Event	Full RSC of the Event
Bib	O	S(4)	Athlete Bib / Race Number, to be sent in UPDATE message only (if available).
Class	O	CC @SportClass	Code to identify the Class in the event. This attribute is mandatory for athletes in Para-Cycling Track
Substitute	O	S(1)	Send "Y" if substitute else do not send



Element: Participant /Discipline /RegisteredEvent /EventEntry (0,N)				
Type	Code	Pos	Description	
ENTRY	GUIDE	N/A	@Pos: N/A Element Expected: If applicable	
	Attribute	M/O	Value	Description
	Value	M	S(20) with no leading zeroes	ID to identify the pilot for para cycling events.
ENTRY	FACTOR	N/A	Element Expected: For Time Trial in Para Cycling only	
	Attribute	M/O	Value	Description
	Value	M	Numeric #00.000	Athletes Factor. (for example, 95.950) or 100.000 for 100% Factor

2.2.1.5 Message Sort

The message is sorted by Participant @Code



2.2.2 List of teams / List of teams update

2.2.2.1 Description

DT_PARTIC_TEAMS contains the list of teams related to the current competition.

List of teams (DT_PARTIC_TEAMS) is a bulk message by discipline. The list is always complete. The arrival of this message resets all the previous participant teams' information for that discipline. It is assumed that all teams appearing in this list are valid, in the meaning that they are participating or they could participate in one event.

A historical team is defined as a group of athletes (team members) competing in the past in a competition event for an organisation. The historical team members appearing in this message will be listed in the list of historical athletes' messages. The list of historical teams just associates historical team members with the corresponding historical teams. Historical teams will not be registered to any event.

List of teams update (DT_PARTIC_TEAMS_UPDATE) is an update message. It is not a complete list of teams' information message. It only contains the data of a team being modified.

2.2.2.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC (discipline level)	RSC at the discipline level
DocumentType	DT_PARTIC_TEAMS / DT_PARTIC_TEAMS_UPDATE	List of participant teams message
Version	1..V	Version number associated to the message's content. Ascendant number
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.



Attribute	Value	Comment
LogicalDate	Date	<p>Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight.</p> <p>If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2).</p> <p>The end of the logical day is defined by default at 03:00 a.m.</p> <p>For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction.</p> <p>Logical Date is expressed in the local time zone where the message was produced.</p>
Source	SC @Source	Code indicating the system which generated the message.

2.2.2.3 Trigger and Frequency

The DT_PARTIC_TEAMS message is sent as a bulk message before the Games. It is sent several times up to the date of transfer of control to OVR after which only DT_PARTIC_TEAMS_UPDATE messages are sent.

The DT_PARTIC_TEAMS_UPDATE message is triggered when there is a modification in the data for any team after the transfer of control to OVR.

2.2.2.4 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message



Element: Team (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Team's ID When the Team is an historical one, then this ID starts with "T".
Organisation	M	CC @Organisation	Team organisation's ID
Number	O	Numeric #0	Team's number. If there is not more than one team for one organisation participating in one event, it is 1. Otherwise, it will be incremental, 1 for the first organisation's team, 2 for the second organisation's team, etc. Required in the case of current teams.
Name	M	S(73)	Team's name.
TVTeamName	M	S(21)	TV Team Name
Gender	M	CC @DisciplineGender	Discipline Gender Code of the Team Char(1)
Current	M	boolean	It defines if a team is participating in the games (true) or it is a Historical team (false)
ModificationIndicator	M	N, U, D	Attribute is mandatory in the DT_PARTIC_TEAMS_UPDATE message only N-New team (in the case that this information comes as a late entry) U-Update team D-Delete team If ModificationIndicator='N', then include new team to the previous bulk-loaded list of teams If ModificationIndicator='U', then update the team to the previous bulk-loaded list of teams If ModificationIndicator='D', then delete the team to the previous bulk-loaded list of teams

Element: Team /Composition /Athlete (0,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID of the listed team's member. Therefore, he/she makes part of the team's composition.
Order	O	Numeric	Team member order

Element: Team /Discipline (0,1)			
Discipline is expected unless ModificationIndicator="D"			
Attribute	M/O	Value	Description
Code	M	CC @Discipline	Full RSC of the discipline

Element: Team /Discipline /RegisteredEvent (0,1)			
Each current team is assigned to one event. Historical teams will not be registered to any event.			
Attribute	M/O	Value	Description



Event	M	CC @Event	Full RSC of the event
-------	---	-----------	-----------------------

2.2.2.5 Message Sort

The message is sorted by Team @Code.



2.2.3 Event Unit Start List and Results

2.2.3.1 Description

The Event Unit Start List and Results is a message containing both the start list and results information of the competitors in one (individual or team) event unit.

The Event Unit Start List and Results is a mandatory message for all sports. The definition includes as much generic information as possible due to the fact that each discipline and event has its own format for the results information (example: score of a match, time in a race, distance in a throw...).

This is always a full message and all applicable elements and attributes are always sent.

2.2.3.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC	The DocumentCode will be sent according to the ODF Common Codes (header values)
DocumentType	DT_RESULT	Event Unit Start List and Results message
DocumentSubtype	Not used	Not used
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	It indicates whether the result is official or unofficial (or intermediate etc). START_LIST: As soon as the start list is known and with any changes / IRMs before the start. LIVE (used during the competition when nothing else applies). INTERMEDIATE (used after the competition has started and is not finished but not currently live) UNCONFIRMED UNOFFICIAL OFFICIAL
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.



Attribute	Value	Comment
LogicalDate	Date	<p>Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight.</p> <p>If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2).</p> <p>The end of the logical day is defined by default at 03:00 a.m.</p> <p>For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction.</p> <p>Logical Date is expressed in the local time zone where the message was produced.</p>
Source	SC @Source	Code indicating the system which generated the message.

2.2.3.3 Trigger and Frequency

This message is sent with ResultStatus 'START_LIST' as soon as the expected information is available and any changes to the information. Possible information is:

- As soon as the start list is known and with any changes / IRMs before the start. (START_LIST)

This message is then sent with ResultStatus 'LIVE' as soon as the unit starts and continues to be triggered on all updates.

- As soon as the competition starts (LIVE)
- After any addition / change in any data during the competition (LIVE)

This message is also sent when the event unit finishes and the results are still unofficial. Also, this message is expected when the results become official. The message is sent as 'INTERMEDIATE' during extended breaks:

- For Sprints event, when progression of phase is the best of three races, (INTERMEDIATE) is used at the end of Race 1 and 2.
- After all competitors have finished the unit (UNCONFIRMED/UNOFFICIAL / OFFICIAL as appropriate)
- Trigger after any change

2.2.3.4 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: ExtendedInfos /UnitDateTime (0,1)			
Attribute	M/O	Value	Description
StartDate	O	DateTime	Actual start date-time. Do not include until unit starts.



Element: ExtendedInfos /ExtendedInfo (0,N)				
Type	Code	Pos	Description	
UI	ELAPSED_TIME	Numeric #0	Pos Description: Send 1, 2 or 3 in Individual Sprint finals, otherwise do not send anything Element Expected: Just for Keirin, Individual Sprint Finals, Points Race, Omnium Points Race, Omnium Tempo Race, Scratch Race, Omnium Scratch Race/Elimination Race and Madison	
	Attribute	M/O	Value	Description
	Value	M	Keirin and Individual m:ss.fff other races mm:ss	Send the elapsed time for the winner of the event unit. Do not send minutes if zero.
UI	SPEED_AVG	Numeric #0	Pos Description: Send 1, 2 or 3 in Individual Sprint finals, otherwise do not send anything Element Expected: Just for Keirin, Individual Sprint Finals, Madison, Points Race, Omnium Points Race, Omnium Tempo Race, Scratch Race, Omnium Scratch Race/Elimination Race	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0.000	Send the average speed in km/h of the winner during the event unit
DISPLAY	CURRENT	N/A	Element Expected: Individual Sprint Qualifying, Time Trial and only when the unit is LIVE.	
	Attribute	M/O	Value	Description
	Value	M	S(20)	Send the competitor ID of the competitor currently riding. Remove only for new competitor or the unit is finished.
DISPLAY	NEXT	N/A	Element Expected: Individual Sprint Qualifying, Team Sprint Qualifying, Team Pursuit Qualifying and Time Trial and only when the unit is LIVE.	
	Attribute	M/O	Value	Description
	Value	M	S(20)	Send the competitor ID of the next competitor to ride after current.



Element: ExtendedInfos /ExtendedInfo (0,N)				
Type	Code	Pos	Description	
DISPLAY	UNIT_CURRENT	N/A	Element Expected: Send in Team Pursuit Qualifying, Team Sprint Qualifying, Time Trial, Individual Pursuit and only when the unit is LIVE	
	Attribute	M/O	Value	Description
	Value	M	Numeric 0	Send the current heat/race number
DISPLAY	LAST_UNIT	N/A	Element Expected: Send in Team Pursuit Qualifying, Team Sprint Qualifying, Time Trial, Individual Pursuit. (Update just at the end of Heat/race), and only when the unit is LIVE	
	Attribute	M/O	Value	Description
	Value	M	Numeric 0	Send the last heat/race number
DISPLAY	LAST_COMP	Numeric 0	Pos Description: Send a numeric (1, 2..) to allow more than one competitor to be applicable. Only send if more than 1. Element Expected: Individual Sprint, Omnium Points Race, Omnium Tempo Race, Team Sprint, Madison and Team Pursuit and only when the unit is LIVE	
	Attribute	M/O	Value	Description
	Value	M	S(20)	Send the competitor ID (team in team events) of the last competitor(s) to ride, or in Omnium Points Race ID's of athletes to Score in the Recent Sprint.
DISPLAY	LAST_QUAL	N/A	Element Expected: As soon as it is known (Only for Individual Sprint and Team Sprint)	
	Attribute	M/O	Value	Description
	Value	M	S(20) with no leading zeroes	Send the last qualifying place ID (in Qualifying round) In the situation where insufficient riders have participated to show the last qualifying position then show the current last place.
DISPLAY	RECENT_SPRINT	N/A	Element Expected: Send in Madison, Points Race, Omnium Points Race, Omnium Tempo Race and only when the unit is LIVE	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Send the most recent sprint number



Element: ExtendedInfos /ExtendedInfo (0,N)			
Type	Code	Pos	Description
DISPLAY	LAPS_REMAIN	N/A	Element Expected: Send in Madison, Omnium Scratch Race, Omnium Tempo Race, Omnium Points Race and only when the unit is LIVE
	Attribute	M/O	Value
	Value	M	Numeric ##0 Send the number of laps remaining (to go)
DISPLAY	ELIMINATED	Numeric #0	Pos Description: Send sprint number for eliminated competitor Element Expected: Send in Omnium Elim Race for most recently eliminated competitor only when LIVE or UNOFFICIAL.
	Attribute	M/O	Value
	Value	M	S(20) with no leading zeroes Send the last eliminated competitor ID
Element: ExtendedInfos /SportDescription (0,1) Sport Descriptions in Text			
Attribute	M/O	Value	Description
DisciplineName	M	S(40)	Discipline name (not code) from Common Codes
EventName	M	S(40)	Event name (not code) from Common Codes
Gender	M	CC @DisciplineGender	Gender code for the event unit
SubEventName	M	S(40)	EventUnit short name (not code) from Common Codes
UnitNum	O	S(6)	Heat number for the event unit where applicable.
Element: ExtendedInfos /VenueDescription (0,1) Venue Names in Text.			
Attribute	M/O	Value	Description
Venue	M	CC @VenueCode	Venue Code
VenueName	M	S(25)	Venue short name (not code) from Common Codes
Location	M	CC @Location	Location code
LocationName	M	S(30)	Location short name (not code) from Common Codes



Element: Result (1,N)
For each Event Unit Results message, there must be at least one competitor with a result element in the event unit.

Attribute	M/O	Value	Description
Rank	O	Text	Rank for the competitor at the event unit. The Rank is by phase in case of Finals
RankEqual	O	S(1)	Identifies if a rank has been equaled (Y). Only send if applicable
Result	O	m:ss.fff (time) or Numeric #0 (points) or -Numeric -#0 (points)	The result of the competitor in the event unit. Send if ResultType is different from IRM except in the case OVL in Team Pursuit Finals where no result is applicable for the winner. Time result or Points In the case of Para Cycling time trial this is the factored time.
IRM	O	SC @IRM	The invalid rank mark, in case it is assigned. Send just if ResultType is equal to IRM or IRM_TIME or IRM_POINTS
QualificationMark	O	SC @QualificationMark	Indicates the qualification of the competitor for the next round of the competition. Always expected where the competitor progresses.
SortOrder	M	Numeric	Used to sort all the results of the unit Before the start of any event unit this will be the same as the StartSortOrder and is used as the primary sort except in the case where a Rank is available (from earlier event units) and in this case the SortOrder will consider Rank in the same way as if the competition had already started. During the event unit any sort order change from the initial start list order for any competitor will be provided in this attribute regardless the competitor is ranked or not.
StartOrder	O	Numeric	Competitor's start order. Send according to the sport rules and in the special case of Team Pursuit Qualifying & Team Sprint Qualifications this is the Start Order/Heat Number.
StartSortOrder	M	Numeric	Used to sort all start list competitors in an event unit, according to the sport rules.
ResultType	O	SC @ResultType	Type of the @Result attribute Not required for winner in Team Pursuit Finals in OVL.
Diff	O	+s.fff or s.fff or - s.fff	Time Behind Leader Display the time / value behind the leader. All fill when applicable, 0.000 for leader, negative for in front of leader, positive for behind. For example +3.450 means 3.45 sec behind the leader, -1.237 means -1.237 sec in front of (better than) the leader.



Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type	Code	Pos	Description	
PROGRESS	INTERMEDIATE	S(2)	Pos Description: Intermediate point number as defined in DT_CONFIG (including the finish race point) Element Expected: Units with defined intermediates	
	Attribute	M/O	Value	Description
	Value	O	m:ss.fff	Competitors intermediate point time (from the start to this point. In the case of Para Cycling time trial this is the factored time.
	Rank	O	Text	Rank of the competitor for this specific ExtendedResult, rank at the intermediate point.
	RankEqual	O	S(1)	Send Y where Rank at this specific ExtendResult is equalled else not sent.
	IRM	O	SC @IRM	IRM code is applicable in sprint (for a single race)
	SortOrder	M	Numeric #0	Similar to rank but considering all competitors (those with IRM or no rank at this ExtendedResult. Index based on whole list (with the ones who have not reached the intermediate as well - after the ones who have, but before the IRMs. Sorted by the intermediate passed most recently and by order there (if none, then by start order)). For tied athletes, follow sport rules.
	Diff	O	+s.fff or s.fff or - s.fff	Time behind the leader at the corresponding intermediate point. Display the time / value behind the leader. All fill when applicable, 0.000 for the leader, negative for in front of leader, positive for behind. For example +3.450 means 3.45 sec behind the leader, -1.237 means 1.237 sec in front of (better than) the leader.
Sub Element: Result /ExtendedResults /ExtendedResult /Extension				
Expected: Sprint Finals				
	Attribute	Value	Description	
	Code	WINNER		
	Pos	N/A	N/A	
	Value	S(1)	Send "Y" if this competitor has won the race.	



Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type	Code	Pos	Description	
PROGRESS	SECTION	Numeric ##0	Pos Description: Section number as defined in DT_CONFIG, from 2 to the total number of sections. (Section 1 is start to first intermediate) Element Expected: Units with defined intermediates	
	Attribute	M/O	Value	Description
	Value	O	m:ss.fff	Competitor's time for this section In the case of Para Cycling time trial this is the factored time.
	Rank	O	Text	Rank of the competitor for this specific ExtendedResult. Send the rank in the section.
	RankEqual	O	S(1)	Send Y where Rank at this specific ExtendResult is 22epêcha else not sent.
	SortOrder	M	Numeric #0	Similar to rank but considering all competitors (those with IRM or no rank at this ExtendedResult. Index based on whole list (with the ones who have not reached the section as well – after the ones who have, but before the IRMs. Sorted by the section passed most recently and by order there (if none, then by start order)). For tied athletes, follow sport rules.
PROGRESS	LAP	Numeric 0	Pos Description : Lap number, 1.. (Lap 1 etc) Element Expected: Units with lap times	
	Attribute	M/O	Value	Description
	Value	M	s:fff	Time for each completed lap (not cumulative) In the case of Para Cycling time trial this is the factored time.
PROGRESS	SPLIT	Numeric 0	Pos Description: Each half lap point from the start 1..n (half Lap 1 etc) for events (where n is the finish point) Element Expected: For Team Pursuit and Team Sprint	
	Attribute	M/O	Value	Description
	Value	M	m:ss:fff	Time for the split to @Pos. Do not send minutes if zero. In the case of Para Cycling time trial this is the factored time.



Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type	Code	Pos	Description	
Rank	O	Text	Rank of the competitor for this specific ExtendedResult. Send the rank in the split	
RankEqual	O	S(1)	Send Y where Rank at this specific ExtendResult is 23epêcha else not sent.	
SortOrder	M	Numeric	Similar to rank but considering all competitors (those with IRM or no rank at this ExtendedResult. Index based on whole list (with the ones who have not reached the lap as well – after the ones who have, but before the IRMs. Sorted by the half lap passed most recently and by order there (if none, then by start order)). For tied athletes, follow sport rules.	
Diff	O	+s.fff	Time behind leader at this ExtendedResult Send the time behind the leader at the corresponding split.	
PROGRESS	LAST_QUAL	N/A	Element Expected: Sprint Qualifying,	
	Attribute	M/O	Value	Description
	Value	M	S(1)	Send “Y” if this competitor is in the last qualifying place else do not send.
PROGRESS	DIFF_LAST	N/A	Element Expected: For Ind/Team Pursuit Qualifying	
	Attribute	M/O	Value	Description
	Value	M	+m:ss.fff	Time behind last qualifying positioned team. Do not send minutes if zero. Only send if not in qualifying position.
PROGRESS	SPEED_AVG	N/A	Element Expected: For Ind. Sprint Qualifying. Time Trial, Ind/Team Pursuit all phases and Team Sprint all phases.	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0.000	Average speed in km/h in the race
PROGRESS	STATUS	N/A	Element Expected: If available	
	Attribute	M/O	Value	Description
	Value	M	String	Send the status
PROGRESS	WARNING	N/A	Element Expected: If applicable	
	Attribute	M/O	Value	Description
	Value	M	S(1)	Send Y in case of the competitor has received a warning



Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type	Code	Pos	Description	
PROGRESS	LAP_PTS	Numeric 0	Pos Description: Send 1 for points gained, 2 for points lost and 3 for balance Element Expected: For Points Race, Omnium Points Race, Omnium Tempo Race, Madison	
	Attribute	M/O	Value	Description
	Value	M	+Numeric +#0	Send the number of lap points (gained, lost or balance) (1 for points gained, 2 for points lost and 3 for balance)
PROGRESS	PTS_SPRINT	Numeric #0	Pos Description: Send the sprint number @Pos 1..n and TOT for total of all sprints Element Expected: For Points Race, Omnium Points Race, Omnium Tempo Race, Madison	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Send the number of points at the sprint
	SortOrder	O	Numeric	Similar to rank but considering all competitors (those with IRM or no rank at this ExtendedResult. Index based on points obtained in each sprint (only for riders who get points, sorted first rider who get more points in the sprint to less points), but in last Sprint will be used to get finish order for all riders.
PROGRESS	LAPS_DOWN	N/A	Element Expected: For Scratch, Omnium Scratch Race/Elimination	
	Attribute	M/O	Value	Description
	Value	M	-Numeric -0	Send the number of laps down
PROGRESS	EXPLANATION	N/A	Element Expected: If applicable	
	Attribute	M/O	Value	Description
	Value	M	String	Send the incident explanation



Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type	Code	Pos	Description	
PROGRESS	PHOTO	Numeric	Pos Description: Send 1, 2 or 3 for Sprint Finals, to know the race affected by Photo-finish decision, otherwise Do not send anything Element Expected: Sprint Finals, Keirin and Omnium Scratch Race At the end of the race. Only send for competitor who needs that otherwise DO NOT send.	
	Attribute	M/O	Value	Description
	Value	M	S(1)	To know if the competitor's final result was decided by photo. Send P for Pending Status. Send Y when evaluated Otherwise do not send. If PHOTO is sent as pending then those pending competitors will not have rank but will still be sorted in the correct place (as well as is known). For example: Rank = 1,2,,,5,6,7... and SortOrder = 1,2,3,4,5,6,7
PROGRESS	LAST_SPRINT	N/A	Element Expected: Points Race/Omnium Points Race, Omnium Tempo Race, Madison	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Send the last sprint number completed by the competitor
ER	REAL_TIME	N/A	Description of @Pos: N/A Element Expected: Para Cycling Time Trial if it is a factored race.	
	Attribute	M/O	Value	Description
	Value	M	m:ss.fff	Unfactored time for the competitor.



Sample (Team Pursuit Qualifying)

```
<Result Rank="1" ResultType="TIME" Result="3:52.499" QualificationMark="Q" SortOrder="1" StartOrder="3"
StartSortOrder="3" Diff="0.000" >
  <ExtendedResults>
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="1" Value="1:05.209" Rank="1" Diff="0.000"
SortOrder="1"/>
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="2" Value="2:04.826" Rank="1" Diff="0.000"
SortOrder="1"/>
    ....
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="2" Value="59.617" Rank="1" SortOrder="1"/>
    ".
    <ExtendedResult Type="PROGRESS" Code="SPLIT" Pos="1" Value="13.116" Rank="1" Diff="0.000" SortOrder="1"/>
    <ExtendedResult Type="PROGRESS" Code="SPLIT" Pos="2" Value="20.808" Rank="1" Diff="0.000" SortOrder="1"/>
    ....
    <ExtendedResult Type="PROGRESS" Code="LAP" Pos="1" Value="20.808" Rank="1" Diff="0.000" SortOrder="1"/>
    <ExtendedResult Type="PROGRESS" Code="LAP" Pos="2" Value="14.040" Rank="1" Diff="0.000" SortOrder="1"/>
    ....
    <ExtendedResult Type="PROGRESS" Code="SPEED_AVG" Value="61.935" />
  </ExtendedResults>
```

Element: Result /RecordIndicators /RecordIndicator (1,N)

Attribute	M/O	Value	Description
Order	M	Numeric	The hierarchy (priority) for types of record from 1 to n. Can use the Order column from CC @RecordType for reference).
Code	M	CC @RecordCode	Code which describes the record broken.
RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken (e.g. "OR"). Must always send the highest or most relevant record type. For example if WR and OR then send WR.
Equalled	O	S(1)	Send "Y" in the case that the record has been 26epêcha else do not send.

Element: Result /Competitor (1,1)
Competitor related to the result of one event unit.

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes or TBD or NOCOMP	Competitor's ID or TBD in case that the competitor is unknown at this time but will be available NOCOMP is sent when there is no competitor (and will not come later)
Type	M	S(1)	A for athlete, T for Team
Bib	O	S(4)	Team Bib number (Madison only)
Organisation	O	CC @Organisation	Competitor's organisation

Element: Result /Competitor /Description (0,1)
Used in Team events only



Attribute	M/O	Value	Description	
TeamName	M	S(73)	Name of the team	
IFId	O	S(16)	International Federation ID	
Element: Result /Competitor /EventUnitEntry (0,N)				
For team event information				
Type	Code	Pos	Description	
EUE	WARNING	N/A	Element Expected: If applicable for all phases in Team Pursuit and Team Sprint	
	Attribute	M/O	Value	Description
	Value	M	S(1)	Send Y in case of the team has received a warning in a previous race else do not send
Element: Result /Competitor /Composition /Athlete (1,N)				
Attribute	M/O	Value	Description	
Code	M	S(20) with no leading zeroes	Athlete's ID. Can belong to a team member or an individual athlete.	
Order	M	Numeric 0	1 if Competitor @Type="A". 1... for teams (T)	
Bib	O	S(26) or S(4)	Race number Individual athlete's race number (if Competitor @Type="A") or team member's race number (if Competitor @Type="T")	
Element: Result /Competitor /Composition /Athlete /Description (1,1)				
Athletes extended information.				
Attribute	M/O	Value	Description	
GivenName	O	S(25)	Given name in WNPA format (mixed case)	
FamilyName	M	S(25)	Family name in WNPA format (mixed case)	
Gender	M	CC @PersonGender	Gender of the athlete	
Organisation	M	CC @Organisation	Athletes' organisation	
BirthDate	O	Date	Birth date (example: YYYY-MM-DD). Must include if the data is available	
IFId	O	S(16)	International Federation ID	
Class	O	CC @SportClass	Code to identify the sport class in the case of events with athletes with a disability (e.g: Paralympic Games).	
GuideID	O	S(20) without leading zeros	ID of the Guide	
GuideFamilyName	O	S(25)	Family Name of the athlete's guide (mixed case)	
GuideGivenName	O	S(25)	Given Name of the athlete's guide (mixed case)	



Element: Result /Competitor /Composition /Athlete /EventUnitEntry (0,N)				
Type	Code	Pos	Description	
EUE	LINEUP	N/A	Element Expected: Send for Points Race, Tempo Race and Omnium Scratch Race/Elimination, Madison,	
	Attribute	M/O	Value	Description
	Value	M	Numeric 0	Line-up location. Send 1 for fence and 2 for the blue band Send 1 for black and 2 for red in Madison
EUE	STATUS	N/A	Element Expected: Team events in the case of replacement	
	Attribute	M/O	Value	Description
	Value	M	S(1)	Send R for replaced athlete
EUE	WARNING	N/A	Element Expected: If applicable	
	Attribute	M/O	Value	Description
	Value	M	S(1)	Send Y in case of the rider has received a warning in a previous race else do not send.
EUE	FACTOR	N/A	Element Expected: For Time Trial in Para Cycling only	
	Attribute	M/O	Value	Description
	Value	M	Numeric #00.000	Athletes Factor. (for example, 95.950) or 100.000 for 100% Factor

Element: Result / Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (1,N)				
Type	Code	Pos	Description	
PROGRESS	PULLED_OUT	N/A	Element Expected: For Team events if applicable	
	Attribute	M/O	Value	Description
	Value	M	S(1)	Send Y in case of the rider pulled out before the finish else do not send.

2.2.3.5 Message Sort

Sort by Result @SortOrder



2.2.4 Cumulative Results

2.2.4.1 Description

The Cumulative Results is a message containing the cumulative results for the competitors in a group of units.

In cycling track, the cumulative results message is used only in the omnium.

2.2.4.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC	Full RSC of the event
DocumentType	DT_CUMULATIVE_RESULT	Cumulative Results message
DocumentSubtype	Not used	Not used
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	It indicates the status of the results LIVE INTERMEDIATE UNCONFIRMED UNOFFICIAL OFFICIAL PROTESTED
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight. If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2). The end of the logical day is defined by default at 03:00 a.m. For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction. Logical Date is expressed in the local time zone where the message was produced.



Attribute	Value	Comment
Source	SC @Source	Code indicating the system which generated the message.

2.2.4.3 Trigger and Frequency

The cumulative results accumulate results over a number of units so are generally sent after each DT_RESULT message if the cumulative message applies (using same ResultStatus at DT_RESULT). When there is no unit in progress the cumulative results will have INTERMEDIATE status.

The first version should be triggered at the same time as the start list of the first unit is triggered and then:

- Send as LIVE when any sub-event is in progress, or after any change in global rank (except Scratch Race).
- Send as INTERMEDIATE after each sub-event.
- Send as UNCONFIRMED (optional, will be used only in special cases) / UNOFFICIAL / OFFICIAL after the point race.
- Send for any other change

2.2.4.4 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: ExtendedInfos /Progress (0,1)			
Attribute	M/O	Value	Description
LastUnit	O	CC @Unit	Send the full RSC of the most recently completed unit or current unit if in progress included in the message.

Element: ExtendedInfos /SportDescription (0,1)			
Sport Descriptions in Text.			
Attribute	M/O	Value	Description
DisciplineName	M	S(40)	Discipline name (not code) from Common Codes
EventName	M	S(40)	Event name (not code) from Common Codes
Gender	M	CC @DisciplineGender	Gender code for the event unit

Element: ExtendedInfos /VenueDescription (0,1)			
Venue Names in Text. DO NOT INCLUDE unless all at single venue.			
Attribute	M/O	Value	Description
Venue	M	CC @VenueCode	Venue Code
VenueName	M	S(25)	Venue short name (not code) from Common Codes
Location	O	CC @Location	Location code



LocationName	O	S(30)	Location short name (not code) from Common Codes
--------------	---	-------	--

Element: Result (1,N)

For any cumulative results message, there should be at least one competitor being awarded a cumulative result after one event unit or phase.

Attribute	M/O	Value	Description
Rank	O	Text	Rank of the competitor in the cumulative result.
RankEqual	O	S(1)	Identifies if a rank has been 31epêcha. Only send if applicable, in that case send "Y".
ResultType	O	SC @ResultType	Type of the @Result attribute.
Result	O	Numeric ##0	The cumulative result of the competitor. Send the total number of points won by the competitor.
IRM	O	SC @IRM	The invalid rank mark for the cumulative result, in case it is assigned. Send just in the case @ResultType is IRM or IRM_POINTS
SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the cumulative result, 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.

Element: Result /ResultItems /ResultItem (1,N)

Identifier of the unit which is included the result summary. ResultItem /Result will be for one particular previous unit.

Attribute	M/O	Value	Description
Unit	M	CC @Unit	Full phase level RSC of the latest schedule item which the cumulative results is updated to.
Order	M	Numeric #0	Logical order of the sub-units, usually schedule order.

Element: Result /ResultItems /ResultItem /Result (1,1)

Attribute	M/O	Value	Description
Rank	O	Text	Rank of the competitor in the result for the phase identified by @Unit at /ResultItems /ResultItem.
RankEqual	O	S(1)	Identifies if a rank has been 31epêcha. Only send if applicable.
ResultType	O	SC @ResultType	Type of the @Result attribute for the phase identified by /ResultItems /ResultItem. Only send in the case of IRM
ResultPoints	O	Numeric #0	The points achieved in the phase identified by /ResultItems /ResultItem. Send just in case of @ResultType is not IRM and the value not 0
IRM	O	SC @IRM	The invalid rank mark, in case it is assigned for the event unit identified by /ResultItems /ResultItem. Send just in the case @ResultType is IRM.



SortOrder	M	Numeric	Used to sort all results in the phase identified by phase identified by @Unit at /ResultItems /ResultItem.
-----------	---	---------	--

Element: Result /ResultItems /ResultItem /Result /ExtendedResults /ExtendedResult (1,N)			
Type	Code	Pos	Description
ER	PROG_RANK	N/A	Element Expected: Send where the data exists
Attribute	M/O	Value	Description
Value	M	Text	Rank of the athlete after this phase
ER	PROG_PTS	N/A	Element Expected: Always
Attribute	M/O	Value	Description
Value	M	Numeric ##0	Overall points of the athlete after this phase

Sample

```
<Result Rank="1" ResultType="POINTS" ResultPoints="36" SortOrder="1">
  <ResultItems>
    <ResultItem Unit="CTRMSCRATCH....." Order="1">
      <Result Rank="3" ResultPoints="36" SortOrder="3" >
        <ExtendedResults>
          <ExtendedResult Type="ER" Code="PROG_RANK" Value="3"/>
          <ExtendedResult Type="ER" Code="PROG_PTS" Value="36"/>
        <ExtendedResults>
      </Result>
    </ResultItem>
  </ResultItems>
</Result>
```

Element: Result /Competitor (1,1)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Competitor's ID
Type	M	S(1)	A for athlete
Organisation	M	CC @Organisation	Competitor's organisation

Element: Result /Competitor /Composition /Athlete (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID
Order	M	Numeric	Send 1 as the competitor is an athlete
Bib	O	S(4)	Athlete Bib / Race Number



Element: Result /Competitor /Composition /Athlete /Description (1,1)

Athletes extended information.

Attribute	M/O	Value	Description
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)
Gender	M	CC @PersonGender	Gender of the athlete
Organisation	M	CC @Organisation	Athletes' organisation
BirthDate	O	Date	Birth date (example: YYYY-MM-DD). Must include if the data is available
Class	O	CC @SportClass	Code to identify the sport class in the case of events with athletes with a disability (e.g: Paralympic Games).
IFId	O	S(16)	International Federation ID

2.2.4.5 Message Sort

Sort by Result @SortOrder then Result /ResultItems /ResultItem /Result @SortOrder



2.2.5 Brackets

2.2.5.1 Description

The brackets message contains the brackets information for one particular event. It is used in events where there is a necessity to know in advance how successive event units will be filled as the competition progresses. In the early stages of the competition, it indicates how each of the event units will be built from the winners/losers, or other competition rules of the previous event units.

This message is used in the sprint events in cycling track.

2.2.5.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC (event level)	Full RSC of the Event
DocumentType	DT_BRACKETS	Brackets message
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	Status of the message. Expected statuses are: START_LIST: (before the start of the competition) INTERMEDIATE (before and during the competition) UNOFFICIAL (when last match unofficial) OFFICIAL (when all matches official)
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight. If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2). The end of the logical day is defined by default at 03:00 a.m. For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction. Logical Date is expressed in the local time zone where the message was produced.
Source	SC @Source	Code indicating the system which generated the message.



2.2.5.3 Trigger and Frequency

This message should be sent at the very beginning of a competition, as soon as brackets are available.

Send when an event unit is completed with and Official status. The message should be updated including information on each competitor in the different bracket items.

The @ResultStatus attribute will vary depending on the competition status.

- Send with ResultStatus = 'START_LIST' before the start of the competition
- Send with ResultStatus = 'INTERMEDIATE' after the start and until the last event unit (Gold Medal Match) is official (i.e. for all event units up until the Gold Medal match is completed for an event)
- Send with ResultStatus = 'OFFICIAL' when the last event unit for an event (Gold Medal match) has Official status.
- Trigger also after any change.

2.2.5.4 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: ExtendedInfos /SportDescription (0,1) Sport Description in Text			
Attribute	M/O	Value	Description
DisciplineName	M	S(40)	Discipline name (not code) from Common Codes
EventName	M	S(40)	Event name (not code) from Common Codes.
Gender	M	CC @DisciplineGender	Gender code for the event unit

Element: ExtendedInfos /VenueDescription (0,1) Venue Names in text.			
Attribute	M/O	Value	Description
Venue	M	CC @VenueCode	Venue code
VenueName	M	S(25)	Venue short name (not code) from Common Codes

Element: Bracket (1,N)			
Attribute	M/O	Value	Description
Code	M	SC @Bracket	Bracket code to identify a bracket item. One for each individual bracket Note for example Gold and Bronze are different brackets.



Element: Bracket /BracketItems (1,N)			
Attribute	M/O	Value	Description
Code	M	SC @BracketItems	Bracket code to identify a set of bracket items. The quarterfinals, semifinals or finals phases etc.

Element: Bracket /BracketItems /BracketItem (1,N)			
Attribute	M/O	Value	Description
Code	O	Numeric or TBD	Bracket code to identify a bracket item. Unique identifier for the BracketItem. In general, it will be sent the heat number for each bracket item (e.g.: 17, 18, 19, 20 ...). However, it may include "TBD" for to be defined, if the heat number is not known
Order	M	Numeric	Sequential number inside of BracketItems to indicate the order, always start at 1 and include all items of the current phase.
Position	M	Numeric #0	Bracket position when drawing the bracket. For example, a quarter final has 4 items, with positions 1, 2, 3 and 4 from the top. Use the appropriate number to draw the position.
Date	O	Date	YYYY-MM-DD. Must be filled if known
Time	O	S(5)	HH:MM. Must be filled if known
Unit	O	CC @Unit	Full RSC of the unit for the BracketItem

Element: Bracket /BracketItems /BracketItem /CompetitorPlace (1,N)			
- If the competitors are known, this element is used to place the competitors in the bracket.			
- If they are not yet known, it contains some information (on the rule to access to this bracket...)			
Attribute	M/O	Value	Description
Pos	M	Numeric ###	This attribute is a sequential number to place the competitors in the bracket (1, 2, ...).
Code	O	SC @CompetitorPlace or SC @IRM	When there is no competitor send BYE or when not known yet send TBD or if an Invalid Result Mark (for example, DSQ). Send as appropriate.
WLT	O	SC @WLT	W or L, indicates the winner or loser of the bracket item. Always send when known.
IRM	O	SC @IRM	The invalid rank mark, if applicable
StrikeOut	O	S(1)	If the competitor should be struck out in this bracket item send Y, usually only used for DQB.



Element: Bracket /BracketItems /BracketItem /CompetitorPlace /PreviousUnit (0,1)
 Previous event unit related to the CompetitorPlace@Pos competitor of the current bracket item. It is always informed except for the bracket items whose CompetitorPlace@Pos competitor do not have preceding event units in the bracket graph.

Attribute	M/O	Value	Description
Unit	O	Full RSC at unit level	Full RSC code of the previous event unit for the CompetitorPlace@Pos competitor of the bracket item. Must send if a winner/loser from a single unit.
WLT	O	SC @WLT	Send W or L for winner or loser of previous match.

Element: Bracket /BracketItems /BracketItem /CompetitorPlace /Competitor (0,1)
 CompetitorPlace @Pos competitor related to the bracket item. Only include if the competitor is known .

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Competitor's ID
Type	M	S(1)	A for athlete
Organisation	O	CC @Organisation	Competitors' organisation if known

Element: Bracket /BracketItems /BracketItem /CompetitorPlace /Competitor /Composition /Athlete (1,N)

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID, corresponding to either a team member or an individual athlete
Order	M	Numeric	1 for Competitor @Type="A".

Element: Bracket /BracketItems /BracketItem /CompetitorPlace /Competitor /Composition /Athlete /Description (1,1)

Attribute	M/O	Value	Description
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)
Gender	M	CC @PersonGender	Gender of the athlete
Organisation	M	CC @Organisation	Athletes' organisation
BirthDate	O	Date	Birth date (example: YYYY-MM-DD). Must include if the data is available
Class	O	CC @SportClass	Code to identify the sport class in the case of events with athletes with a disability (e.g: Paralympic Games).
IFId	O	S(16)	International Federation ID



Sample

```
<Bracket Code="FNL">
  <BracketItems Code="QFL">
  ...
  <BracketItem Order="2" Position="2" Unit="CTRMSPRINT-----QFNL00020000" >
    <CompetitorPlace Pos="1" WLT="W">
      <Competitor Code="1126413" Type="A" Organisation="ESP" >
        <Composition>
          <Athlete Code="1126413" Order="1" >
            <Description      GivenName="John"      FamilyName="Smith"      Gender="M"      Organisation="ESP"
            BirthDate="1994-12-15" />
          </Athlete>
        </Composition>
      </Competitor>
    </CompetitorPlace>
    <CompetitorPlace Pos="2" WLT="L">>
      <Competitor Code="1093294" Type="A" Organisation="SUI" >
        <Composition>
          <Athlete Code="1093294" Order="1" >
            <Description      GivenName="John"      FamilyName="Black"      Gender="M"      Organisation="SUI"
            BirthDate="1992-12-13" />
          </Athlete>
        </Composition>
      </Competitor>
    </CompetitorPlace>
  </BracketItem>
```

2.2.5.5 Message Sort

Bracket @Code then BracketItems @Code then BracketItems /BracketItem /Unit @Unit are sorted according to their scheduled start time.



2.2.6 Image

2.2.6.1 Description

The 'Image message' is a message containing an image or images file(s) in .jpg or .png format encapsulated in a XML message.

2.2.6.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC	Full RSC of the unit (CC @Unit)
DocumentSubcode	S(10)	Picture number
DocumentType	DT_IMAGE	Image message
DocumentSubtype	S(20)	Send PHOTOFINISH
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	Only applicable status is OFFICIAL
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight. If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2). The end of the logical day is defined by default at 03:00 a.m. For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction. Logical Date is expressed in the local time zone where the message was produced.
Source	SC @Source	Code indicating the system which generated the message.

2.2.6.3 Trigger and Frequency

Trigger when image available and after any change.



2.2.6.4 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: Competition /Image (1,N)			
Attribute	M/O	Value	Description
Pos	M	Numeric #0	Used as differentiator if there are multiple images in the message.
Version	M	Numeric #0	Document Version
Revision	M	Numeric #0	Document Revision
ImageType	M	S(3)	Image type extension, jpg or png

Element: Competition /Image /Result (0,N)			
Attribute	M/O	Value	Description
Result	O	S(20)	Result of the competitor in the image. Formatted in the same way as associated DT_RESULT. Use IRM code if appropriate.
Rank	O	Text	Rank of the competitor
StartOrder	O	S(4)	Start or lane position
SortOrder	M	Numeric	This attribute is a sequential number with the order of the competitors in the image.

Element: Competition /Image /Result /Competitor (1,1)			
Attribute	M/O	Value	Description
Code	O	S(20) with no leading zeroes	Competitor's ID (Team or individual) If it is possible to send the ID it should be included.
Type	O	S(1)	A for athlete or T for team. If it is possible to send the type it should be included.
Organisation	O	CC @Organisation	Competitor's organisation

Element: Competition /Image /Result /Competitor /Description (0,1)			
Attribute	M/O	Value	Description
TeamName	M	S(73)	Name of the team



Element: Competition /Image /Result /Competitor /Composition /Athlete (0,N) Only sent in the case of individual events. Team members are not sent in team events.			
Attribute	M/O	Value	Description
Code	O	S(20) with no leading zeroes	Athlete's ID. If it is possible to send the ID it should be included.
Order	M	Numeric 0	The value is 1
Bib	O	S(4)	Athlete Bib / Race Number

Element: Competition /Image /Result /Competitor /Composition /Athlete /Description (1,1)			
Attribute	M/O	Value	Description
GivenName	O	S(25)	Given name (Photofinish Name)
FamilyName	M	S(25)	Family name (Photofinish Name)
Element: Competition /Image /ImageData (1,1)			
Attribute	M/O	Value	Description
-	M	Free Text	The ImageData element has a body consisting of one Base64-encoded report (a jpeg or png file)

Sample

```
<Image Pos="1" Version="1" Revision="0" ImageType="jpg" >
  <Result Result="3:26.23" Rank="1" StartOrder="5" SortOrder="1" >
    <Competitor Code="1234567" Type="T" Organisation="GBR" >
      <Description TeamName="Great Britain"/>
    </Result>
    <Result Result="3:26.26" Rank="2" StartOrder="3" SortOrder="2" >
      <Competitor Code="1234444" Type="T" Organisation="ESP" >
        <Description TeamName="Spain"/>
      </Result>
      <ImageData>/9j/4AAQSkZJRgABAQEAAAAAAAAA ETC ETC //2Q==</ImageData>
    </Image>
```

2.2.6.5 Message Sort

Sort by Competition /Image /Pos and SortOrder within image.



2.2.7 Records

2.2.7.1 Description

The message contains the list of all records from the start of the Games (events depending on header).

Special Situations – Not Established Records:

There are some situations where there are no records for a particular event. This can happen, for example, when the sport rules change (different weights or distances) or new events are introduced.

If this occurs then the NotEstablished flag is used to indicate this situation.

If a record is established for this event in the current competition then the NotEstablished flag and description will not be sent when a new record is established.

2.2.7.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC (Discipline Level)	RSC of the discipline
DocumentSubcode	CC @RecordCode	If the message is sent as a result of a record being modified (broken, 42epêcha or re-instated) then this attribute will be included and is the Record Event for the modification.
DocumentType	DT_RECORD	Records message
DocumentSubtype	FULL, PARTIAL	Send "FULL" if all records included. Send "PARTIAL" if only one record code is included.
Version	1..V	Version number associated to the message's content. Ascendant number
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight. If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2). The end of the logical day is defined by default at 03:00 a.m. For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction. Logical Date is expressed in the local time zone where the message was produced.
Source	SC @Source	Code indicating the system which generated the message.



2.2.7.3 Trigger and Frequency

The DT_RECORD (without DocumentSubcode) message is sent as a full message (all records in a discipline) prior to the competition. Any new version of the DT_RECORD message should replace all previous record information, either for the RecordCode specified in DocumentSubcode or all if no DocumentSubcode is specified.

2.2.7.4 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: ExtendedInfos /SportDescription (0,1)			
Attribute	M/O	Value	Description
DisciplineName	M	S(40)	Discipline name (not code) from Common Codes

Element: Record (1,N)			
Attribute	M/O	Value	Description
Code	M	CC @RecordCode	Record code. Send all record codes in the bulk message else this must match the DocumentSubcode, that is, only one per message.

Element: Record /Description (1,1)			
Attribute	M/O	Value	Description
Name	M	S(40)	Record description (not code) from Common Codes

Element: Record /RecordType (1,N)			
It is possible to have more than one element with the same type (as in the case of National Records).			
Attribute	M/O	Value	Description
Order	M	Numeric #0	The hierarchy (priority) for types of record from 1 to n. (Can use the Order column from CC @RecordType to assist in case several records are broken, from high priority to low priority but must still use 1 to n).
RecordType	M	CC @RecordType	Record type.
Shared	M	S(1)	Y-There is more than one competitor sharing the record N-There is just one competitor holding the record
NotEstablished	O	S(1)	Send "Y" in the case there is no record in this category else do not send.



Element: Record /RecordType (1,N)

It is possible to have more than one element with the same type (as in the case of National Records).

Attribute	M/O	Value	Description
NotEstablishedLabel	O	S(25)	The description to be used in the case that NotEstablished="Y".

Element: Record /RecordType /RecordData (0,N)

RecordData is not sent for NotEstablished Records unless a "standard" applies

Attribute	M/O	Value	Description
Order	M	Numeric #0	In the case that a record (RecordType) is provided several times in the message, then Order is the chronological order for the records (1,N). 1 will be usually the historical record and for each record broken during the competition a new order value will be provided. Usually first time the record is broken will have Order="2", second time Order="3" etc. Send 1 for records (RecordType) not shared (historical records)
ResultType	M	SC @ResultType	Result type, either time or distance etc.
Result	M	m:ss.fff	The performance of the competitor for the record or standard. Do not send minutes if zero.
Unit	O	CC @Unit	The full RSC of the unit in the current competition where the record was broken. Send always (Mandatory) in the case Historical="N".
Country	O	CC @Country	Send always unless the record is not established. Country code where the record was broken
Place	O	S(40)	Send always (when known) unless the record is not established. Place (town or city) where the record was broken (example: "Salt Lake City").
Date	O	YYYY-MM-DD	Send always unless the record is not established. Date when the record was broken (for the current competition, the date will be assumed to be the date scheduled for the @Unit attribute)
Time	O	Time	Time the record was set. Send always (Mandatory) in the case of Historical="N".
Equalled	O	S(1)	Send "Y" if the existing record is 44epêcha. Do not send if the record is not 44epêcha.
Competition	O	S(40)	Send the text of the competition name where the record was broken (example: "2013 World Championships", "2012 Olympic Games", etc.).
Historical	M	S(1)	Send "Y" if the record for competitor was not achieved during the current competition. Send "N" if the record for the competitor was achieved during the current competition.
Current	O	S(1)	Send "Y" in the case that this is the current record else do not send (may be multiple in the case of a shared record).



Element: Record /RecordType /RecordData (0,N)

RecordData is not sent for NotEstablished Records unless a "standard" applies

Attribute	M/O	Value	Description
ModificationIndicator	O	S(1)	The possible values are: "N" = New broken record (not provided in a previous message) "R" = This record is re-instated/re-established as the current record in this message (following an invalidation or similar). Do not send this attribute for other records included in the message (not broken or not re-instated)

Element: Record /RecordType /RecordData /Extension (0,N)

Type	Code	Pos	Description
ER	AVG_SPEED	N/A	Element Expected: Always, if available
	Attribute	M/O	Value
	Value	M	Numeric #0.000
			Description
			Speed of the record in km/h

Element: Record /RecordType /RecordData /Competitor (0,1)

Competitor to whom the record is assigned.

Athlete's or team's information should be in DT_PARTIC (Historic) if Competitor @Type="A" or DT_PARTIC_TEAMS (Historic) if Competitor @Type="T".

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Competitor's ID
Type	M	S(1)	"T" for team "A" for athlete
Organisation	O	CC @Organisation	Competitors' organisation if known

Element: Record /RecordType /RecordData /Competitor /Description (0,1)

Competitors extended information.

Attribute	M/O	Value	Description
TeamName	M	S(73)	Name of the team. Only applies for teams / groups.

Element: Record /RecordType /RecordData /Competitor /Composition /Athlete (1,N)

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID, corresponding to either a team member or an individual athlete
Order	M	Numeric #0	Order attribute used to sort team members in a team if Competitor @Type="T" or 1 if Competitor @Type="A".



Element: Record /RecordType /RecordData /Competitor /Composition /Athlete /Description (0,1)

Athletes extended information.

Attribute	M/O	Value	Description
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)
Gender	M	CC @PersonGender	Gender of the athlete
Organisation	M	CC @Organisation	Athletes' organisation
BirthDate	O	Date	Birth date (example: YYYY-MM-DD). Must include if the data is available
IFId	O	S(16)	International Federation ID
Class	O	CC @SportClass	Code to identify the sport class in the case of events with athletes with a disability (e.g: Paralympic Games).
GuideID	O	S(20) without leading zeros	ID of the Guide
GuideFamilyName	O	S(25)	Family Name of the athlete's guide (mixed case)
GuideGivenName	O	S(25)	Given Name of the athlete's guide (mixed case)

2.2.7.5 Message Sort

The following order applies:

- Record @Code
- RecordType @Order
- RecordData @Order



2.2.8 Event Final Ranking

2.2.8.1 Description

The event final ranking is a message containing the final results and ranking at the completion of one particular event, either for individual athletes or for aggregated athletes.

The final ranking message is a generic message for all sports, including the full event final result for all competitors who were either ranked, got an Invalid Rank Mark (disqualified, etc.), or both.

2.2.8.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC of the Event	
DocumentType	DT_RANKING	Event Final ranking message
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	Result status, indicates whether the data is official or partial. OFFICIAL PARTIAL
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight. If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2). The end of the logical day is defined by default at 03:00 a.m. For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction. Logical Date is expressed in the local time zone where the message was produced.
Source	SC @Source	Code indicating the system which generated the message.



2.2.8.3 Trigger and Frequency

This message is only triggered after a unit which affects the final ranking is official and that particular ranking is not subject to change or some ranking in that unit are not subject to change.

Trigger also after any change.

2.2.8.4 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: ExtendedInfos /SportDescription (0,1)			
Sport Description in text			
Attribute	M/O	Value	Description
DisciplineName	M	S(40)	Discipline name (not code) from Common Codes
EventName	M	S(40)	Event name (not code) from Common Codes. Must be included if it is a single event
Gender	M	CC @DisciplineGender	Gender code for the event unit. Must be included if it is a single gender

Element: ExtendedInfos /VenueDescription (0,1)			
Attribute	M/O	Value	Description
Venue	M	CC @VenueCode	Venue code
VenueName	M	S(25)	Venue short name (not code) from Common Codes

Element: Result (1,N)			
For any event final ranking message, there should be at least one competitor being awarded a result for the event.			
Attribute	M/O	Value	Description
Rank	O	Text	Final rank of the competitor in the corresponding event.
RankEqual	O	S(1)	Identifies if a rank has been 48epêcha. Send Y if applicable
ResultType	O	SC @ResultType	Type of the @Result attribute (only for Omnium event)
Result	O	Numeric #0	The result of the competitor in the event. (only for Omnium event) Send just if ResultType is different from IRM
IRM	O	SC @IRM	The invalid rank mark, send if applicable.
SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.



Element: Result /Competitor (1,1)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes.	Competitor's ID. "NOCOMP" in the case where there is no competitor in the rank due to IRM.
Type	M	S(1)	A for athlete, T for Team
Organisation	O	CC @Organisation	Competitors' organisation if known

Element: Result /Competitor /Description (0,1) Used in Team events only			
Attribute	M/O	Value	Description
TeamName	M	S(73)	Name of the team

Element: Result /Competitor /Composition /Athlete (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID
Order	M	Numeric	Order attribute. Send 1 when Competitor @Type="A".

Element: Result /Competitor /Composition /Athlete /Description (1,1)			
Attribute	M/O	Value	Description
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)
Gender	M	CC @PersonGender	Gender of the athlete
Organisation	M	CC @Organisation	Athletes' organisation
BirthDate	O	Date	Birth date (example: YYYY-MM-DD). Must include if the data is available
Class	O	CC @SportClass	Code to identify the sport class in the case of events with athletes with a disability (e.g: Paralympic Games).
GuideID	O	S(20) without leading zeros	ID of the Guide
GuideFamilyName	O	S(25)	Family Name of the athlete's guide (mixed case)
GuideGivenName	O	S(25)	Given Name of the athlete's guide (mixed case)
IFId	O	S(16)	International Federation ID

Element: Result /Competitor /Composition /Athlete /Description /ExtendedDescription			
Type	Code	Pos	Description
EUE	STATUS	N/A	Element Expected: Team events in the case of replacement
	Attribute	M/O	Value
	Value	M	S(1)
			Description
			Send R for replaced athlete



INTERNATIONAL
OLYMPIC
COMMITTEE

ODF SOG-2020-CTR-2.7 APP

2.2.8.5 Message Sort

Sort by Result @SortOrder

2.2.9 Event Medallists

2.2.9.1 Description

The Event's Medallists is a message containing the list of medallists awarded in one particular event.

2.2.9.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC (event level)	Full RSC at event level
DocumentType	DT_MEDALLISTS	Event's Medallists message
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	It indicates whether the result is unofficial, official or partial. OFFICIAL
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight. If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2). The end of the logical day is defined by default at 03:00 a.m. For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction. Logical Date is expressed in the local time zone where the message was produced.
Source	SC @Source	Code indicating the system which generated the message.

2.2.9.3 Trigger and Frequency

The message is sent with ResultStatus=OFFICIAL when the medallists are officially known in the sport.
Trigger also after any change.



2.2.9.4 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: ExtendedInfos /SportDescription (0,1)			
Attribute	M/O	Value	Description
DisciplineName	M	S(40)	Discipline name (not code) from Common Codes
EventName	M	S(40)	Event name (not code) from Common Codes.
Gender	M	CC @DisciplineGender	Gender code for the event unit.

Element: ExtendedInfos /VenueDescription (0,1)			
Attribute	M/O	Value	Description
Venue	M	CC @VenueCode	Venue Code
VenueName	M	S(25)	Venue short name (not code) from Common Codes

Element: Medal (1,N)			
Attribute	M/O	Value	Description
Code	M	SC @MedalType	Medal type. All the Competitors with the same CC@MedalType are not grouped in the same element.
Unit	M	CC @Unit	Full RSC Unit code in which a medal was awarded. It is used in case of disciplines like Ice Hockey or Basketball, with the bronze medal and the gold medal awarded in different event units.
Date	M	Date	The date of the most recent unit in which a medal was determined for this event. That is, if only the bronze medal competitor has been determined then this is the date of the bronze medal unit. If all medals are determined then this is the date of the gold medal unit. It is the date of the unit, not the date of the awarding of the medal or the date of a later change in the medallists (that is it will not change [except in the case of a re-run], even if the medallists do)

Element: Medal /Competitor (1,1)			
Attribute	M/O	Value	Description
Type	M	T, A	T for team



			A for athlete
Code	M	S(20) with no leading zeroes	Competitor's ID
Order	M	Numeric	Competitor order (Send 1 by default). In the case of tie the order is defined for the sport rules.
Bib	O	See table comment	Bib number, send if available (team bib)
Organisation	M	CC @Organisation	Competitors' organisation

Element: Medal /Competitor /Description (0,1)

Attribute	M/O	Value	Description
TeamName	M	S(73)	Name of the team. Only applies for teams / groups.
IFId	O	S(16)	Team IF number, send if available

Element: Medal /Competitor /Composition /Athlete (0,N)

(Include all members that won the medal according to sport rules if Competitor @Type="T")

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID, corresponding either to a team member or an individual athlete
Order	M	Numeric	Order of the team members in a team if Competitor @Type="T". 1 if Competitor @Type="A".
Bib	O	See table comment	Bib number, send if available (shirt number in a team)

Element: Medal /Competitor /Composition /Athlete /Description (1,1)

Attribute	M/O	Value	Description
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)
Gender	M	CC @PersonGender	Gender of the athlete
Organisation	M	CC @Organisation	Athletes' organisation
BirthDate	O	Date	Birth date (example: YYYY-MM-DD). Must include if the data is available
IFId	O	S(16)	International Federation ID
Class	O	CC @SportClass	Code to identify the sport class in the case of events with athletes with a disability (e.g: Paralympic Games). This attribute is optional because it is not used in events without such athletes.
GuideID	O	S(20) without leading zeros	ID of the Guide, used for some athletes with a disability (e.g: Paralympic Games).
GuideFamilyName	O	S(25)	Family Name of the athlete's guide (mixed case).
GuideGivenName	O	S(25)	Given Name of the athlete's guide (mixed case).



Element: Medal /Competitor /Composition /Athlete /Description /ExtendedDescription (0,N)			
Type	Code	Pos	Description
EUE	STATUS	N/A	Element Expected: Team events in the case of replacement
	Attribute	M/O	Value
	Value	M	S(1)
			Send R for replaced athlete

2.2.9.5 Message Sort

The message is sorted according to the medal type. Moreover, in case of tie the order is according to the Competitor@Order (given by the sport rule). Team members are sorted according to the Athlete@Order.



2.2.10 Configuration

2.2.10.1 Description

The Configuration is a message containing general configuration.

Send before the competition for each phase in separate messages.

2.2.10.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC	Sent this message for each phase
DocumentType	DT_CONFIG	Configuration message
Version	1..V	Version number associated to the message's content. Ascendant number
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	<p>Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight.</p> <p>If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2).</p> <p>The end of the logical day is defined by default at 03:00 a.m.</p> <p>For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction.</p> <p>Logical Date is expressed in the local time zone where the message was produced.</p>
Source	SC @Source	Code indicating the system which generated the message.

2.2.10.3 Trigger and Frequency

The message is sent prior to any ODF Sports message sending one message for each phase.

Trigger also after any change, but considering that, if possible, the configuration for one phase must be provided before the start list or resend the DT_RESULT if there are changes in DT_CONFIG.



2.2.10.4 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: Configs /Config (1,N)			
Attribute	M/O	Value	Description
Unit	M	SC @Phase	Full RSC of the phase.
Element: Configs /Config /ExtendedConfig (1,N)			
Type	Code	Pos	Description
EC	DISTANCE	N/A	Element Expected: If available
	Attribute	M/O	Value
	Value	M	Numeric
			Race distance for one specific unit (in metres)
QUALIFICATION	FROM_RANK	N/A	Pos Description: N/A Element Expected: When applicable
	Attribute	M/O	Value
	Value	M	Numeric #0
			Send the qualifying rank to indicate first rank to qualify
QUALIFICATION	TO_RANK	N/A	Pos Description: N/A Element Expected: When applicable
	Attribute	M/O	Value
	Value	M	Numeric #0
			Send the qualifying rank to indicate last rank to qualify
QUALIFICATION	QUAL_RULE	N/A	Element Expected: Do not send for finals
	Attribute	M/O	Value
	Value	M	String
			Explanation on how the riders advance to the next round. Should include date and time for next phase, e.g., Fastest 8 teams qualify for the first round (on 18 AUG at 20:15)



Element: Configs /Config /ExtendedConfig (1,N)				
Type	Code	Pos	Description	
EC	INTERMEDIATE	S(2)	<p>Pos Description: Send the intermediate number from 1 to F. Where 1 is the first intermediate point and F is the finish the race</p> <p>Individual Pursuit/Team Pursuit: @Pos 1, 2, 3, F @Value 1000, 2000, 3000,4000 or @Pos 1, 2, F @Value 1000, 2000, 3000 (depends on distance)</p> <p>1000m Time Trial: @Pos 1, 2, 3, F @Value 250, 500, 750, 1000</p> <p>500m Time Trial: @Pos 1, F @Value 250, 500</p> <p>Team Sprint: @Pos 1, 2, F @Value: 250, 500, 750</p> <p>Individual Sprint (Qualifying): @Pos 1, F @Value: 100, 200</p> <p>Individual Sprint (Finals): @Pos 1..3 (related to number of races of the phase) @Value: N/A</p> <p>Element Expected: Send as explained for each event</p>	
	Attribute	M/O	Value	Description
	Value	M	Numeric #000	Distance in metres from the beginning of the race to this intermediate point.
EC	INTERMEDIATES_NUM	N/A	Element Expected: When available	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Send the total number of intermediate points including the finish



Element: Configs /Config /ExtendedConfig (1,N)				
Type	Code	Pos	Description	
EC	SECTION	S(2)	Pos Description: The number that identifies the section. A section is between two intermediate points, from 1 and n. Example: Section 1 is the section between start the race and intermediate point 1, in general the Section n is the section between Point n-1 and n), from 2 to the total number of sections, the last one being F. Element Expected: When available.	
	Attribute	M/O	Value	Description
	Value	M	Numeric ####0	Send distance in m.
EC	GROUPS_NUM	N/A	Element Expected: Send for Individual Pursuit, Team Pursuit (First round), Team Sprint (first round), Individual Sprint (1/32, 1/16 finals, 1/8 finals, 58epêchages, quarterfinals and semifinals) and Keirin (all phases).	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Send the number of heats by phase
EC	SPRINTS_NUM (for Points Race, Tempo Race inc. Omnium, Madison)	N/A	Element Expected: Send for Points Race, Tempo Race (inc. Omnium) and Madison	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Send the number of sprints
EC	LAPS_NUM	N/A	Element Expected: Send for Individual Sprint, Keirin, Madison, Omnium (Scratch Race, Tempo Race and Points Race) and Madison events and Team Sprint events	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0.#	Send the number of laps



Element: Configs /Config /ExtendedConfig (1,N)			
Type	Code	Pos	Description
EC	SPLIT	Numeric #0	Pos Description: The number that identifies the Split. A Split is between two half lap points, from 1 and n. Example: Split 1 is the split between start the race and first half lap. @Pos 1..31 Element Expected: Send for Team Sprint & Team Pursuit
Attribute	M/O	Value	Description
Value	M	Numeric ####0	Send distance in m. @Value 125, 250, ... 4000
Sub Element: Configs /Config /ExtendedConfig /ExtendedConfigItem Always expected			
Attribute	Value	Description	
Code	BEGIN		
Pos	N/A	N/A	
Value	S(2)	Send the half lap point for the start of the split or S if the start of the race.	
Sub Element: Configs /Config /ExtendedConfig /ExtendedConfigItem Always expected			
Attribute	Value	Description	
Code	END		
Pos	N/A	N/A	
Value	S(2)	Send the half lap point which is the end of the split or for last section, send "F".	
Sub Element: Configs /Config /ExtendedConfig /ExtendedConfigItem Always expected			
Attribute	Value	Description	
Code	IS_LAP		
Pos	N/A	N/A	
Value	S(2)	Send the lap number if this is a full lap (1, 2, 3 ...)	

2.2.10.5 Message Sort

There is no message sorting rule.



3 Document Control

Version history		
Version	Date	Comments
v1.0	2 March 2017	First version
V1.1	23 June 2017	Extended document for other competitions
V1.2	12 July 2017	Minor update
V1.3	1 August 2017	Updated
V1.4	15 September 2017	Updated
V1.5	20 February 2018	Updated
V2.0	4 January 2019	Updated
V2.1	25 February 2019	Updated
V2.2	18 April 2019	Updated
V2.3	30 May 2019	Updated
V2.4	14 August 2019	Updated
V2.5	11 September 2019	Updated
V2.6	16 January 2020	Updated
V2.7	27 March 2020	Updated

File Reference: ODF SOG-2020-CTR-2.7 APP

Change Log		
Version	Status	Changes on version
v1.0	SFR	First version
V1.1	SFA	DT_CONFIG: Add configuration for Madison DT_RESULT: Update to include Madison All: Update for changed subevents in Omnium
V1.2	SFA	DT_RESULT: Add SPEED_AVG for Individual Sprint Qualifying
V1.3	APP	DT_CONFIG: change intermediate management to be consistent with rest of cycling (use INTERMEDIATE_NUM and include F in the number)
V1.4	APP	DT_RESULT: Add EUE/UNIT_NUM at Result/Competitor/Composition/Athlete /EventUnitEntry
V1.5	APP	DT_RESULT: Add LAPS_REMAIN at ExtendedInfos. DT_PARTIC: Updated to add Passport names (CR15219) Remove references to 2018 Commonwealth Games
V2.0	SFA	DT_PARTIC: Remove LICENCE CR 15039: Add DT_PARTIC_NAME to applicable messages. CR 16671: Add TVFamilyName in DT_PARTIC message. CR16537: Move LAST_UNIT to ExtendedInfos/Progress in cumulative results CR 16628: DT_BRACKETS: Add attributes to remove some extensions. Clarify previous unit. DT_CONFIG: Update to use Type QUALIFICATION for consistency Remove ValueType throughout the document.



Change Log		
Version	Status	Changes on version
V2.1	SFA	DT_RESULT: Remove @Pos for Keirin in ExtendedInfos UI/ELAPSED_TIME & UI/SPEED_AVG DT_RESULT: Add reference to Team Sprint Qualifications in Result/StartOrder DT_RESULT: Update EUE/LINEUP to specify red and black in Madison DT_RESULT: Add DISPLAY/ELIMINATED in ExtendedInfos DT_RESULT: Add @Pos in DISPLAY_LAST_COMP in ExtendedInfos DT_CONFIG: Correct inconsistency between unit and phase. DT_CONFIG: EC/GROUPS_NUM add 1/32 in sprint DT_CONFIG: Add more applicable events in EC/LAPS_NUM DT_CONFIG: Updated qualification to be consistent with other sports to be language independent (from and to rank)
V2.2	APP	DT_CONFIG: Update EC/SPLIT to exclude Madison (not applicable) DT_CONFIG: Update EC/LAPS_NUM to allow decimals DT_RESULT: ExtendedInfos, only send RECENT_SPRINT & LAPS_REMAIN when LIVE DT_RESULT: ExtendedResults SPLIT to send in all phases, not only qualifying. DT_RESULT: Update WARNING @ Result /ExtendedResults /ExtendedResult to be for the competitor (team or athlete) DT_RESULT: Add IRM at PROGRESS/INTERMEDIATE at Result /ExtendedResults /ExtendedResult DT_RESULT: Remove EUE/UNIT_NUM for athletes DT_RESULT: ExtendedResults: Add @Pos TOT for PTS_SPRINT for total sprint points. DT_RESULT: In ExtendedInfos add DISPLAY/NEXT DT_BRACKETS: Update with status START_LIST Editorial improvements without changing the intent.
V2.3	APP	CR16640: Add ODF Version @Competition DT_PARTIC: Add Factor DT_RESULT: Add Factor DT_RESULT: Clarify UNCONFIRMED as a possible status (as from GEN) DT_RESULT: Add ExtendedResult for REAL_TIME DT_BRACKET: Add athlete Class DT_CUMULATIVE_RESULT: Add athlete Class DT_RESULT: Update intermediate/section times to be clear that these are factored times in Para Cycling Time Trial where applicable. Editorial improvements without changing the intent.
V2.4	APP	CR17739: Change Name and TVTeamName to mandatory in DT_PARTIC_TEAMS CR17809: Change Participant/OlympicSolidarity to disallow N Fix typographical errors and editorial improvements without changing the intent
V2.5	APP	DT_RESULT: Update Result/Result & Result/ResultType for OVL DT_RESULT: Add STATUS @ Result /Competitor /Composition /Athlete /EventUnitEntry
V2.6	APP	DT_CUMULATIVE_RESULT: Update the description of ResultPoints @ Result /ResultItems /ResultItem /Result DT_RANKING: Add Result /Competitor /Composition /Athlete /Description /ExtendedDescription DT_MEDALLISTS: Add message DT_RESULT: Update description at Result/QualificationMark CR18565 DT_PARTIC: Update the description of Participant/Weight Typographical clarifications
2.7	APP	DT_RESULT: Update Result/Result and Result/ResultType related to OVL (also applicable in First Round)