



International  
Olympic  
Committee

OWG2026-BTH-1.1 APP  
17 March 2025

# Olympic Data Feed



## Biathlon

### ODF Data Dictionary

Technology and Information Department  
© International Olympic Committee

OWG2026-BTH-1.1, APP  
17 March 2025



## 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 .....   | 6  |
| 1.1     | This document.....   | 6  |
| 1.2     | Objective .....  | 6  |
| 1.3     | Main Audience .....  | 6  |
| 1.4     | Glossary.....  | 6  |
| 1.5     | Related Documents .....  | 6  |
| 2       | Messages .....   | 7  |
| 2.1     | Biathlon Overview.....   | 7  |
| 2.2     | Applicable Messages.....   | 7  |
| 2.3     | Messages.....  | 9  |
| 2.3.1   | List of participants by discipline / List of participants by discipline update ..... | 9  |
| 2.3.1.1 | Description .....  | 9  |
| 2.3.1.2 | Header Values.....   | 9  |
| 2.3.1.3 | Trigger and Frequency .....  | 10 |
| 2.3.1.4 | Message Structure.....   | 10 |
| 2.3.1.5 | Message Values .....   | 11 |
| 2.3.1.6 | Message Sort .....   | 13 |
| 2.3.2   | List of teams / List of teams update.....  | 14 |
| 2.3.2.1 | Description .....  | 14 |
| 2.3.2.2 | Header Values.....   | 14 |
| 2.3.2.3 | Trigger and Frequency .....  | 14 |
| 2.3.2.4 | Message Structure.....   | 15 |
| 2.3.2.5 | Message Values .....   | 15 |
| 2.3.2.6 | Message Sort .....   | 16 |
| 2.3.3   | List of Entries by Event .....   | 17 |
| 2.3.3.1 | Description .....  | 17 |
| 2.3.3.2 | Header Values.....   | 17 |
| 2.3.3.3 | Trigger and Frequency .....  | 17 |
| 2.3.3.4 | Message Structure.....   | 17 |
| 2.3.3.5 | Message Values .....   | 18 |
| 2.3.3.6 | Message Sort .....   | 20 |
| 2.3.4   | Event Unit Start List and Results .....  | 21 |
| 2.3.4.1 | Description .....  | 21 |
| 2.3.4.2 | Header Values.....   | 21 |
| 2.3.4.3 | Trigger and Frequency .....  | 21 |
| 2.3.4.4 | Message Structure.....   | 22 |
| 2.3.4.5 | Message Values .....   | 24 |
| 2.3.4.6 | Message Sort .....   | 38 |
| 2.3.5   | Results Analysis .....   | 39 |
| 2.3.5.1 | Description .....  | 39 |
| 2.3.5.2 | Header Values.....   | 39 |



|          |                             |    |
|----------|-----------------------------|----|
| 2.3.5.3  | Trigger and Frequency ..... | 39 |
| 2.3.5.4  | Message Structure .....     | 39 |
| 2.3.5.5  | Message Values .....        | 41 |
| 2.3.5.6  | Message Sort .....          | 47 |
| 2.3.6    | Current Information .....   | 48 |
| 2.3.6.1  | Description .....           | 48 |
| 2.3.6.2  | Header Values.....          | 48 |
| 2.3.6.3  | Trigger and Frequency ..... | 48 |
| 2.3.6.4  | Message Structure.....      | 48 |
| 2.3.6.5  | Message Values .....        | 49 |
| 2.3.6.6  | Message Sort .....          | 49 |
| 2.3.7    | Image.....                  | 50 |
| 2.3.7.1  | Description .....           | 50 |
| 2.3.7.2  | Header Values.....          | 50 |
| 2.3.7.3  | Trigger and Frequency ..... | 50 |
| 2.3.7.4  | Message Structure.....      | 50 |
| 2.3.7.5  | Message Values .....        | 51 |
| 2.3.7.6  | Message Sort .....          | 53 |
| 2.3.8    | Event Final Ranking .....   | 54 |
| 2.3.8.1  | Description .....           | 54 |
| 2.3.8.2  | Header Values.....          | 54 |
| 2.3.8.3  | Trigger and Frequency ..... | 54 |
| 2.3.8.4  | Message Structure.....      | 54 |
| 2.3.8.5  | Message Values .....        | 55 |
| 2.3.8.6  | Message Sort .....          | 58 |
| 2.3.9    | Configuration.....          | 59 |
| 2.3.9.1  | Description .....           | 59 |
| 2.3.9.2  | Header Values.....          | 59 |
| 2.3.9.3  | Trigger and Frequency ..... | 59 |
| 2.3.9.4  | Message Structure.....      | 59 |
| 2.3.9.5  | Message Values .....        | 60 |
| 2.3.9.6  | Message Sort .....          | 63 |
| 2.3.10   | Weather conditions .....    | 64 |
| 2.3.10.1 | Description .....           | 64 |
| 2.3.10.2 | Header Values.....          | 64 |
| 2.3.10.3 | Trigger and Frequency ..... | 64 |
| 2.3.10.4 | Message Structure.....      | 64 |
| 2.3.10.5 | Message Values .....        | 65 |
| 2.3.10.6 | Message Sort .....          | 66 |
| 3        | Message Timeline .....      | 67 |
| 3.1      | Preparation Phase.....      | 67 |
| 3.2      | Before competition .....    | 67 |
| 3.3      | During competition .....    | 67 |



|     |                        |    |
|-----|------------------------|----|
| 3.4 | After competition..... | 68 |
| 4   | Document Control.....  | 69 |



## 1 Introduction

### 1.1 This document

This document includes the ODF Biathlon Data Dictionary. This Data Dictionary refines the messages described in the ODF General Messages Interface Document specifically for this discipline.

### 1.2 Objective

The objective of this document is to provide a complete and formal definition of the ODF Biathlon Data Dictionary, with the intention that the information message producer and the message consumer can successfully interchange the information as the 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 Foundation Principles                 | The document explains the environment & general principles for ODF                        |
| ODF General Messages Interface            | The document describes the ODF General Messages   |
| Language Guidelines and Participant Names | The document describes the different Name formats   |
| Common Codes                              | The document describes the ODF Common codes   |
| ODF Header Values                         | The document details the header values which shows which RSCs are used in which messages. |
| ORIS Sports Document                      | The document details the sport specific requirements                                      |



## 2 Messages

### 2.1 Biathlon Overview

#### MESSAGES IN EACH EVENT

All events in biathlon count a single unit. A DT\_RESULT for each event as well as a DT\_RESULT\_ANALYSIS containing more detailed and analytical information are expected. DT\_CURRENT message is also sent for each event to include information relating the shooting range actions.

#### SCHEDULE

The DT\_SCHEDULE/DT\_SCHEDULE\_UPDATE message will include all competition units/races at unit level (Y) and are the same units used for DT\_RESULT.

#### SPECIAL CASES

There is the possibility that the distance of one the event can be changed (for longer races) as per Jury decision. A new DT\_CONFIG should be sent. Please take note that:

- The event code can remain the same and the name of the event is updated (new version of common codes)
- A different event code is used setting it as scheduled and the former to unscheduled.

#### PARALYMPIC GAMES

The same messages are applicable except for

- DT\_PARTIC\_TEAM / DT\_PARTIC\_TEAM\_UPDATE
- Elements and attributes referring to Teams.

All times and ranks in the messages are the factored ones except when differently mentioned. Guide attributes are used if the case.

### 2.2 Applicable Messages

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

- 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 follows the general definition rules.
- Message responsibilities appears in the ODF General Document.

| Message Type                              | Message Name   | Message extended |
|---|--|------------------|
| DT_SCHEDULE DT_SCHEDULE_UPDATE            | Competition schedule / Competition schedule update                             |                  |
| DT_PARTIC<br>DT_PARTIC_UPDATE             | List of participants by discipline / List of participants by discipline update | X                |
| DT_PARTIC_TEAMS<br>DT_PARTIC_TEAMS_UPDATE | List of teams / List of teams update   | X                |
| DT_ENTRIES                                | List of Entries by Event   | X                |
| DT_RESULT                                 | Event Unit Start List and Results  | X                |
| DT_RESULT_ANALYSIS                        | Results Analysis   | X                |
| DT_CURRENT                                | Current Information  | X                |



|                          |                                     |   |
|--------------------------|-------------------------------------|---|
| DT_IMAGE                 | Image                               | X |
| DT_PRESSPHOTOFINISH_LK   | Press Photofinish                   |   |
| DT_RANKING               | Event Final Ranking                 | X |
| DT_MEDALLISTS            | Event's Medallists                  |   |
| DT_MEDALLISTS_DISCIPLINE | Medallists by discipline            |   |
| DT_MEDALS                | Medal standings                     |   |
| DT_CONFIG                | Configuration                       | X |
| DT_COMMUNICATION         | Communication                       |   |
| DT_WEATHER               | Weather conditions                  | X |
| DT_PRESENTER             | Medal Presenters                    |   |
| DT_LOCAL_ON              | Discipline/venue start transmission |   |
| DT_LOCAL_OFF             | Discipline/venue stop transmission  |   |
| DT_KA                    | Keep Alive                          |   |
| DT_ALERT                 | Alert                               |   |
| DT_BCK                   | Background Document                 |   |
| DT_BIO_PAR               | Participant Biography               |   |
| DT_NEWS                  | News Document                       |   |
| DT_ESL                   | Extended Start List                 |   |
| DT_PIC                   | Pictures                            |   |
| DT_PDF                   | PDF Message                         |   |
| DT_AUDIO                 | Audio Message                       |   |
| DT_ACHIEVEMENT           | Achievements                        |   |





## 2.3 Messages

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

#### 2.3.1.1 Description

A participant is any individual athlete (participating or not in the current games) or any official or a competitor being part of a team (team member).

Although the athlete or official 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 personal information of the participant and along with discipline related information.

This message includes, when applicable, historical athletes that do not participate in the current competition. These participants are distinguished by the status value. The historical athletes will be used to match historical information as in the records message.

It is important to note that all the sport messages that make references to athletes (entries, start list, event unit results, etc.) has always to match the Participant @Code in this message.

This message includes the different name types/formats of the participant. The definition of all these types is available in the Global Document “Language Guidelines & Participant Names”.

List of participants by discipline (DT\_PARTIC) is a bulk message, provided for each discipline. It is a complete participant information message for one discipline. The arrival of this message resets all the previous participants' information for one discipline.

List of participants by discipline update (DT\_PARTIC\_UPDATE) is an update message. It is not a complete list but only the data being modified.

#### 2.3.1.2 Header Values

The following table describes the message header attributes.

| Attribute       | Value                      | Comment  |
|-----------------|----------------------------|--|
| CompetitionCode | CC@COMPETITION_CODE<br>Id  | Competition ID   |
| DocumentCode    | CC@DISCIPLINE<br>Code      | Discipline RSC   |
| DocumentSubcode | N/A                        | N/A  |
| DocumentType    | DT_PARTIC DT_PARTIC_UPDATE | List of participants by discipline message   |
| DocumentSubtype | SYNC<br>HISTORICAL<br>N/A  | SYNC if the message is for re-synchronisation for ODF clients. Only sent once the control is transferred to OVR.<br>HISTORICAL if the message is from the historical results provider and includes only historic data. The message is not sent to external clients.<br><br>DocumentSubtype is not applicable for _UPDATE messages. |
| Version         | Positive Integer           | Version number (ascending) associated to the message content.  |



|              |                      |   |
|--------------|----------------------|---|
| ResultStatus | N/A                  | N/A   |
| FeedFlag     | P, T                 | P – Production / T - Test                               |
| Date         | Date                 | Refer to ODF header definition                          |
| Time         | Time                 | Refer to ODF header definition                          |
| LogicalDate  | Date                 | Refer to ODF header definition                          |
| Source       | SCGEN@Source<br>Code | Code indicating the system which generated the message. |

### 2.3.1.3 Trigger and Frequency

The DT\_PARTIC message is sent as a bulk message prior to 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 for any modification in the data. DT\_PARTIC with DocumentSubtype SYNC may be distributed as a bulk message generated by the central systems after the transfer of control to OVR.

### 2.3.1.4 Message Structure

The following table defines the structure of the message.

| Level 1           | Level 2           | Level 3            | Level 4 | Level 5 | Level 6 |
|-------------------|-------------------|--------------------|---------|---------|---------|
| Competition (0,1) |                   |                    |         |         |         |
|                   | Gen               |                    |         |         |         |
|                   | Sport             |                    |         |         |         |
|                   | Codes             |                    |         |         |         |
|                   | Participant (1,N) |                    |         |         |         |
|                   |                   | Code               |         |         |         |
|                   |                   | Parent             |         |         |         |
|                   |                   | Status             |         |         |         |
|                   |                   | GivenName          |         |         |         |
|                   |                   | FamilyName         |         |         |         |
|                   |                   | PassportGivenName  |         |         |         |
|                   |                   | PassportFamilyName |         |         |         |
|                   |                   | PrintName          |         |         |         |
|                   |                   | PrintInitialName   |         |         |         |
|                   |                   | TVName             |         |         |         |
|                   |                   | TVInitialName      |         |         |         |
|                   |                   | TVFamilyName       |         |         |         |
|                   |                   | LocalFamilyName    |         |         |         |
|                   |                   | LocalGivenName     |         |         |         |
|                   |                   | PSCBName           |         |         |         |
|                   |                   | PSCBShortName      |         |         |         |
|                   |                   | PSCBLongName       |         |         |         |
|                   |                   | Gender             |         |         |         |
|                   |                   | Organisation       |         |         |         |



|  |                    |
|--|--------------------|
|  | BirthDate          |
|  | PlaceofBirth       |
|  | CountryofBirth     |
|  | PlaceofResidence   |
|  | CountryofResidence |
|  | Nationality        |
|  | MainFunctionId     |
|  | OlympicSolidarity  |
|  | Discipline (1,1)   |
|  | Code               |
|  | IFId               |

### 2.3.1.5 Message Values

| Element: Competition (0,1) |     |       |  |
|----------------------------|-----|-------|--|
| Attribute                  | M/O | Value | Description  |
| Gen                        | M   | S(20) | Version of the General Data Dictionary applicable to the message |
| Sport                      | M   | S(35) | Version of the Sport Data Dictionary applicable to the message   |
| Codes                      | M   | S(20) | Version of the Codes applicable to the message                   |

#### Sample (CompetititonVersions)

<Competition Gen="OWG2026-1.10" Sport=" OWG2026-BTH-1.10" Codes=" OWG2026-1.20" >

| Element: Competition /Participant (1,N) |     |                             |   |
|---|-----|-----------------------------|---|
| Attribute                               | M/O | Value                       | Description   |
| Code                                    | M   | S(20) without leading zeros | Participant's ID.<br><br>It identifies an athlete or an official and the holding participant's valid information for one particular period of time.<br><br>It is used to link other messages to the participant's information.<br><br>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.   |
| Parent                                  | M   | S(20) without leading zeros | 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.<br><br>The participant containing @Code attribute being the same as the @Parent attribute will be the one with the latest information for the participant.<br>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 in the case of Historical participants (status) |



|                    |   |                              |   |
|--------------------|---|------------------------------|---|
| Status             | M | CC@PARTICIPANT_STATUS<br>Id  | Participant's sport entry status. To delete a participant, use the specific value of the Participant Status.  |
| GivenName          | O | S(25)                        | Preferred Given Name  |
| FamilyName         | M | S(25)                        | Preferred Family Name   |
| PassportGivenName  | O | S(25)                        | Passport Given Name   |
| PassportFamilyName | O | S(25)                        | Passport Family Name  |
| PrintName          | M | S(35)                        | Print Name  |
| PrintInitialName   | M | S(18)                        | Print Initial Name  |
| TVName             | M | S(35)                        | TV Name   |
| TVInitialName      | M | S(18)                        | TV Initial Name   |
| TVFamilyName       | M | S(18)                        | TV Family Name  |
| LocalFamilyName    | O | S(25)                        | Family name in the local language in the appropriate case for the local language (usually mixed case)   |
| LocalGivenName     | O | S(25)                        | Given name in the local language in the appropriate case for the local language (usually mixed case)  |
| PSCBName           | O | S(50)                        | Public Scoreboard Name created by OVR.  |
| PSCBShortName      | O | S(50)                        | Public Scoreboard Short Name created by OVR.  |
| PSCBLongName       | O | S(50)                        | Public Scoreboard Long Name created by OVR.   |
| Gender             | M | CC@PERSON_GENDER<br>Id       | Participant's Gender  |
| Organisation       | M | CC@ORGANISATION<br>Id        | 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.<br>Expected for athletes, not expected for all groups of officials. |
| PlaceofBirth       | O | S(75)                        | Place of Birth  |
| CountryofBirth     | O | CC@COUNTRY<br>Id             | Country ID of Birth   |
| PlaceofResidence   | O | S(75)                        | Place of Residence  |
| CountryofResidence | O | CC@COUNTRY<br>Id             | Country ID of Residence   |
| Nationality        | O | CC@COUNTRY<br>Id             | Participant's nationality.<br>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@DISCIPLINE_FUNCTION<br>Id | Main Function   |
| OlympicSolidarity  | O | Y                            | Y if the participant is a member of the Solidarity / Scholarship Program.   |

**Element: Competition /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<br>Code | Discipline RSC, expected to be the same as the one used in OdfBody @DocumentCode. |
| IFId      | O   | S(16)                 | International Federation Id   |



### **2.3.1.6 Message Sort**

The message is sorted by Participant @Code



## 2.3.2 List of teams / List of teams update

### 2.3.2.1 Description

DT\_PARTIC\_TEAMS contains the list of teams related to the current competition.

A team is a type of competitor, being a group of two or more individual athletes participating together in one event. One team participates in one event of one discipline. When one team participates in multiple events, there will be one team for each event for the same group. Also, when the same organisation participates in the same event twice, there will be different teams.

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 and their participation is defined by the status attribute.

List of teams' updates (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.

### 2.3.2.2 Header Values

The following table describes the message header attributes.

| Attribute       | Value                                     | Comment  |
|-----------------|---|--|
| CompetitionCode | CC@COMPETITION_CODE<br>Id                 | Competition ID   |
| DocumentCode    | CC@DISCIPLINE<br>Code                     | Discipline RSC   |
| DocumentSubcode | N/A                                       | N/A  |
| DocumentType    | DT_PARTIC_TEAMS<br>DT_PARTIC_TEAMS_UPDATE | List of participants teams' message  |
| DocumentSubtype | SYNC<br>HISTORICAL<br>N/A                 | SYNC if the message is for re-synchronisation for ODF clients. Only sent once the control is transferred to OVR.<br>HISTORICAL if the message is from the historical results provider and includes only historic data. The message is not sent to external clients.<br><br>DocumentSubtype is not applicable for _UPDATE messages. |
| Version         | Positive Integer                          | Version number (ascending) associated to the message content.  |
| ResultStatus    | N/A                                       | N/A  |
| FeedFlag        | P, T                                      | P – Production / T - Test  |
| Date            | Date                                      | Refer to ODF header definition   |
| Time            | Time                                      | Refer to ODF header definition   |
| LogicalDate     | Date                                      | Refer to ODF header definition   |
| Source          | SCGEN@Source<br>Code                      | Code indicating the system which generated the message.  |

### 2.3.2.3 Trigger and Frequency

Teams are managed directly by OVR and sent as DT\_PARTIC\_TEAMS\_UPDATE to create or modify them. DT\_PARTIC\_TEAMS is never expected unless with DocumentSubtype SYNC to be distributed as a bulk message generated by the central systems.



### 2.3.2.4 Message Structure

The following table defines the structure of the message.

| Level 1           | Level 2    | Level 3          | Level 4 | Level 5 |
|-------------------|------------|------------------|---------|---------|
| Competition (0,1) |            |                  |         |         |
|                   | Gen        |                  |         |         |
|                   | Sport      |                  |         |         |
|                   | Codes      |                  |         |         |
|                   | Team (1,N) |                  |         |         |
|                   |            | Code             |         |         |
|                   |            | Status           |         |         |
|                   |            | Organisation     |         |         |
|                   |            | Name             |         |         |
|                   |            | ShortName        |         |         |
|                   |            | TVTeamName       |         |         |
|                   |            | PSCBName         |         |         |
|                   |            | PSCBShortName    |         |         |
|                   |            | PSCBLongName     |         |         |
|                   |            | Gender           |         |         |
|                   |            | TeamType         |         |         |
|                   |            | Discipline (0,1) |         |         |
|                   |            |                  | Code    |         |
|                   |            |                  | IFid    |         |

### 2.3.2.5 Message Values

| Element: Competition (0,1) |     |       |  |
|----------------------------|-----|-------|--|
| Attribute                  | M/O | Value | Description  |
| Gen                        | M   | S(20) | Version of the General Data Dictionary applicable to the message |
| Sport                      | M   | S(35) | Version of the Sport Data Dictionary applicable to the message   |
| Codes                      | M   | S(20) | Version of the Codes applicable to the message                   |

| Element: Competition /Team (1,N) |     |                             |  |
|----------------------------------|-----|-----------------------------|--|
| Attribute                        | M/O | Value                       | Description  |
| Code                             | M   | S(20) without leading zeros | Team's ID  |
| Status                           | M   | CC@PARTICIPANT_STATUS<br>Id | Team sport entry status. To delete a team, use the specific value of the Participant Status. |
| Organisation                     | M   | CC@ORGANISATION<br>Id       | Team organisation's ID   |
| Name                             | M   | S(73)                       | Team name  |
| ShortName                        | M   | S(40)                       | Team Short Name  |
| TVTeamName                       | M   | S(21)                       | TV Team Name   |
| PSCBName                         | O   | S(50)                       | Public Scoreboard Name created by OVR.   |
| PSCBShortName                    | O   | S(50)                       | Public Scoreboard Short Name created by OVR.   |



|              |   |                                |  |
|--------------|---|--------------------------------|--|
| PSCBLongName | O | S(50)                          | Public Scoreboard Long Name created by OVR.  |
| Gender       | M | CC@DISCIPLINE_GENDER<br>Gender | Gender Code of the Team  |
| TeamType     | M | SCGEN@TeamType<br>Code         | Team type. ORG is expected.<br>This is how the name is constructed to allow clients to build in other languages. |

| Element: Competition /Team /Discipline (0,1) |     |                       |  |
|--|-----|-----------------------|--|
| Attribute                                    | M/O | Value                 | Description  |
| Code   | M   | CC@DISCIPLINE<br>Code | Full RSC of the Discipline                         |
| IFld   | O   | S(16)                 | Federation number for the corresponding discipline |

### 2.3.2.6 Message Sort

The message is sorted by Team @Code.





## 2.3.3 List of Entries by Event

### 2.3.3.1 Description

This message contains the entry information for a specific event within a discipline with the specific event entry information of the participant.

It is always a full message and any new message received resets all the previous participants' entry information for the event. This message includes the list of athletes, guides, reserves, teams including the team composition (if known) that have been entered to an event.

### 2.3.3.2 Header Values

The following table describes the message header attributes.

| Attribute       | Value                     | Comment   |
|-----------------|---------------------------|---|
| CompetitionCode | CC@COMPETITION_CODE<br>Id | Competition ID  |
| DocumentCode    | CC@EVENT<br>Code          | Event RSC   |
| DocumentSubcode | N/A                       | N/A   |
| DocumentType    | DT_ENTRIES                | List of entries by event message                              |
| DocumentSubtype | N/A                       | N/A   |
| Version         | Positive Integer          | Version number (ascending) associated to the message content. |
| ResultStatus    | N/A                       | N/A   |
| FeedFlag        | P, T                      | P – Production / T - Test                                     |
| Date            | Date                      | Refer to ODF header definition                                |
| Time            | Time                      | Refer to ODF header definition                                |
| LogicalDate     | Date                      | Refer to ODF header definition                                |
| Source          | SCGEN@Source<br>Code      | Code indicating the system which generated the message.       |

### 2.3.3.3 Trigger and Frequency

At the Olympic Games athletes are initially assigned at discipline level (DT\_PARTIC).

DT\_ENTRIES message will be distributed once OVR becomes the owner of the data and based on the outcomes of the Team Captains' Meetings and will be additionally triggered upon any entry information change.

At the Paralympic Games: The DT\_ENTRIES message is sent as a bulk message prior to the Games. It is sent several times up to the date of transfer of control to OVR after which the entries information is updated in the venue and the bulk message is triggered by the OVR.

### 2.3.3.4 Message Structure

The following table defines the structure of the message.

| Level 1           | Level 2     | Level 3 | Level 4 | Level 5 | Level 6 | Level 7 | Level 8 | Level 9 |
|-------------------|-------------|---------|---------|---------|---------|---------|---------|---------|
| Competition (0,1) |             |         |         |         |         |         |         |         |
|                   | Gen         |         |         |         |         |         |         |         |
|                   | Sport       |         |         |         |         |         |         |         |
|                   | Codes       |         |         |         |         |         |         |         |
|                   | Entry (1,N) |         |         |         |         |         |         |         |



|  |                     |
|--|---------------------|
|  | Code                |
|  | Type                |
|  | Organisation        |
|  | SortOrder           |
|  | Description (0,1)   |
|  | TeamName            |
|  | IFld                |
|  | Composition(0,1)    |
|  | Athlete (0,N)       |
|  | Code                |
|  | Order               |
|  | EntryStatus         |
|  | Description (1,1)   |
|  | GivenName           |
|  | FamilyName          |
|  | Gender              |
|  | Organisation        |
|  | BirthDate           |
|  | IFld                |
|  | Class               |
|  | Guide (0,N)         |
|  | GuideID             |
|  | Order               |
|  | GuideFamilyName     |
|  | GuideGivenName      |
|  | ExtendedEntry (0,N) |
|  | Type                |
|  | Code                |
|  | Pos                 |
|  | Value               |

### 2.3.3.5 Message Values

| Element: Competition (0,1) |     |       |  |
|----------------------------|-----|-------|--|
| Attribute                  | M/O | Value | Description  |
| Gen                        | M   | S(20) | Version of the General Data Dictionary applicable to the message |
| Sport                      | M   | S(35) | Version of the Sport Data Dictionary applicable to the message   |
| Codes                      | M   | S(20) | Version of the Codes applicable to the message                   |

| Element: Competition /Entry (1,N) |  |  |  |
|-----------------------------------|--|--|--|
|-----------------------------------|--|--|--|



| Attribute    | M/O | Value                       | Description   |
|--------------|-----|-----------------------------|---|
| Code         | M O | S(20) without leading zeros | Competitor ID. Mandatory except for individual generic gender events when there are no entries assigned anymore   |
| Type         | M O | A, T                        | A for athlete, T for team. Mandatory except for individual generic gender events when there are no entries assigned anymore   |
| Organisation | M O | CC@ORGANISATION<br>Id       | Competitor's organisation. Mandatory except for individual generic gender events when there are no entries assigned anymore   |
| SortOrder    | M O | Positive Integer            | Order used to sort the competitors within an event (by NOC, Gender, Name etc). Mandatory except for individual generic gender events when there are no entries assigned anymore |

| Element: Competition /Entry /Description (0,1) |     |       |                             |
|--|-----|-------|-----------------------------|
| Used in Team event only                        |     |       |                             |
| Attribute                                      | M/O | Value | Description                 |
| TeamName                                       | M   | S(73) | Name of the team            |
| IFId   | O   | S(16) | International Federation ID |

| Element: Competition /Entry /Composition /Athlete (0,N) |     |                             |   |
|---|-----|-----------------------------|---|
| Attribute   | M/O | Value                       | Description   |
| Code  | M   | S(20) without leading zeros | Athlete's ID  |
| Order   | M   | Positive Integer            | 1 in individual events (if Competitor @Type="A"), or athlete starting order (1..n) within the team (if Competitor @Type="T"). |
| EntryStatus   | O   | SC@AthleteStatus<br>Code    | Athlete's Event participation status, if applicable   |

| Element: Competition /Entry /Composition /Athlete /Description (1,1) |     |                              |   |
|--|-----|------------------------------|---|
| Attribute  | M/O | Value                        | Description   |
| GivenName  | O   | S(25)                        | Preferred Given Name  |
| FamilyName   | M   | S(25)                        | Preferred Family Name   |
| Gender   | M   | CC@PERSON_GENDER<br>Id       | Gender of the athlete   |
| Organisation   | M   | CC@ORGANISATION<br>Id        | Athletes' organisation  |
| BirthDate  | O   | YYYY-MM-DD                   | Date of Birth, must be included if the data is available  |
| IFId   | O   | S(16)                        | International Federation ID   |
| Class  | O   | CC@DISCIPLINE_CLASS<br>Class | Code to identify the sport class in the case of events with athletes with a disability (e.g: Paralympic Games). |

| Element: Competition /Entry /Composition /Athlete /Guide (0,N) |     |                             |   |
|--|-----|-----------------------------|---|
| Attribute  | M/O | Value                       | Description                                   |
| GuideID  | M   | S(20) without leading zeros | ID of the athlete's guide.                    |
| Order  | M   | Positive Integer            | Order used to sort the athlete's guide.       |
| GuideFamilyName  | O   | S(25)                       | Preferred Family Name of the athlete's guide. |
| GuideGivenName   | M   | S(25)                       | Preferred Given Name of the athlete's guide.  |



**Element: Competition /Entry /Composition /Athlete /ExtendedEntry (0,N)**

**Individual athlete's entry information.**

| Type             | Code                | Pos              | Description                                  |
|------------------|---------------------|------------------|--|
| ENTRY            | PERCENTAGE          | N/A              | Element Expected: Paralympic Games only      |
| <b>Attribute</b> | <b>M/O</b>          | <b>Value</b>     | <b>Description</b>                           |
| Value            | M                   | ##0              | Athlete percentage                           |
| IFPOINTS         | SC@IFPoints<br>Code | N/A              | Element Expected: when available.            |
| <b>Attribute</b> | <b>M/O</b>          | <b>Value</b>     | <b>Description</b>                           |
| Value            | M                   | ###0 ##0.00      | Points of the athlete for the specific event |
| IFRANK           | SC@IFRank<br>Code   | N/A              | Element Expected: when available.            |
| <b>Attribute</b> | <b>M/O</b>          | <b>Value</b>     | <b>Description</b>                           |
| Value            | M                   | Positive Integer | Rank of the athlete for the specific event   |

### 2.3.3.6 Message Sort

Sort by Entry @SortOrder

#### Sample (Individual event)

```
<Entry Code="7520275" Type="A" Organisation="AUT" SortOrder="1">
  <Composition>
    <Athlete Code="7520275" Order="1">
      <Description GivenName="Tamara" FamilyName="STEINER" Gender="F" BirthDate="1997-05-
24" IFId="BTAUT22505199701" Organisation="AUT"/>
      <ExtendedEntry Type="IFPOINTS" Code="IBUQP" Value="69.64"/>
    </Athlete>
  </Composition>
</Entry>
```

#### Sample (Team event)

```
<Entry Code="BTHW4X6KMW-AUT01" Type="T" Organisation="AUT" SortOrder="1">
  <Description TeamName="Austria" IFId="BTAUT2"/>
  <Composition>
    <Athlete Code="7520275" Order="1">
      <Description GivenName="Tamara" FamilyName="STEINER"
Gender="F" BirthDate="1997-05-
24" IFId="BTAUT22505199701" Organisation="AUT"/>
    </Athlete>
    <Athlete Code="7520270" Order="2">
      <Description GivenName="Anna" FamilyName="GANDLER" Gender="F" BirthDate="2001-01-
04" IFId="BTAUT20501200101" Organisation="AUT"/>
    </Athlete>
    <Athlete Code="7520272" Order="3">
      <Description GivenName="Anna" FamilyName="JUPPE" Gender="F" BirthDate="1999-09-
13" IFId="BTAUT21409199901" Organisation="AUT"/>
    </Athlete>
    <Athlete Code="7520519" Order="4">
      <Description GivenName="Anna" FamilyName="ANDEXER" Gender="F" BirthDate="2003-01-
25" IFId="BTAUT22601200301" Organisation="AUT"/>
    </Athlete>
  </Composition>
</Entry>
```



## 2.3.4 Event Unit Start List and Results

### 2.3.4.1 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.

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

### 2.3.4.2 Header Values

The following table describes the message header attributes.

| Attribute       | Value                     | Comment   |
|-----------------|---------------------------|---|
| CompetitionCode | CC@COMPETITION_CODE<br>Id | Competition ID  |
| DocumentCode    | CC@EVENT_UNIT<br>Code     | Event Unit RSC  |
| DocumentSubcode | N/A                       | N/A   |
| DocumentType    | DT_RESULT                 | Event Unit Start List and Results message   |
| DocumentSubtype | N/A                       | N/A   |
| Version         | Positive Integer          | Version number (ascending) associated to the message content.   |
| ResultStatus    | CC@RESULTSTATUS<br>Code   | Expected statuses are:<br>START_LIST<br>LIVE<br>UNCONFIRMED<br>UNOFFICIAL<br>OFFICIAL<br>PROTESTED<br>PROVISIONAL |
| FeedFlag        | P, T                      | P – Production / T - Test   |
| Date            | Date                      | Refer to ODF header definition  |
| Time            | Time                      | Refer to ODF header definition  |
| LogicalDate     | Date                      | Refer to ODF header definition  |
| Source          | SCGEN@Source<br>Code      | Code indicating the system which generated the message.   |

### 2.3.4.3 Trigger and Frequency

This message is sent:

- As soon as the start list is available and after any changes [inc. IRMs] (START\_LIST)
- For Individual Events with individual start time send with status LIVE shortly before the first athlete starts to mark the first athlete as NEXT
- When the unit starts and after every update (intermediates etc.) (LIVE)
- After the race is finished:
  - UNCONFIRMED: as soon as the last competitor has crossed the finish line and until the unofficial results are distributed.
  - UNOFFICIAL: until the end of the fifteen (15) minutes protesting period or estimated delays in results verification or other open issue;
  - OFFICIAL: if no protest has been logged during the protest period, and after all protests have been



- resolved
- PROTESTED: if a protest has been logged during the protest period, until its resolution
- PROVISIONAL: if there is any pending decision by IOC, CAS, IF
- After any change

The DT\_RESULT message in Biathlon should never be sent more frequently than 1 to 3 seconds accumulating all changes within this offset.

#### Understanding Biathlon Shooting Bouts

There are 3 quite common exceptions situations which can happen during shooting which therefore need to be considered and is the reason some values are not updated during a shooting session:

- a shot does not hit the target at all, thus no 'missed shot' information is available for this shot (in such a case the session would have only 4 shots and not 5)
- a shot from an adjacent target might ricochet and touch the target frame with sufficient force to create a 'missed shot' (in such case the session might have 6 shots and not 5)
- an athlete might crossfire to the wrong target. In such case s/he is credited 5 penalties but has 'no shots' at all

The number of penalties in a bout is available only when the operator at the shooting range confirms that the athlete has left the lane. The number of penalties is then the number of 'still open' targets regardless of the shots recorded in the session.

It is important to be aware that there can be a potential mismatch between the values in the Result element and the Actions of the message at athlete level.

#### 2.3.4.4 Message Structure

The following table defines the structure of the message.

| Level 1           | Level 2             | Level 3                | Level 4 | Level 5 | Level 6 | Level 7 | Level 8 | Level 9 |
|-------------------|---------------------|------------------------|---------|---------|---------|---------|---------|---------|
| Competition (0,1) |                     |                        |         |         |         |         |         |         |
|                   | Gen                 |                        |         |         |         |         |         |         |
|                   | Sport               |                        |         |         |         |         |         |         |
|                   | Codes               |                        |         |         |         |         |         |         |
|                   | ExtendedInfos (0,1) |                        |         |         |         |         |         |         |
|                   | UnitDateTime (0,1)  |                        |         |         |         |         |         |         |
|                   |                     | StartDate              |         |         |         |         |         |         |
|                   |                     | ExtendedInfo (0,N)     |         |         |         |         |         |         |
|                   |                     | Type                   |         |         |         |         |         |         |
|                   |                     | Code                   |         |         |         |         |         |         |
|                   |                     | Pos                    |         |         |         |         |         |         |
|                   |                     | Value                  |         |         |         |         |         |         |
|                   |                     | Extension (0,N)        |         |         |         |         |         |         |
|                   |                     |                        | Code    |         |         |         |         |         |
|                   |                     |                        | Pos     |         |         |         |         |         |
|                   |                     |                        | Value   |         |         |         |         |         |
|                   |                     | SportDescription (0,1) |         |         |         |         |         |         |
|                   |                     | DisciplineName         |         |         |         |         |         |         |
|                   |                     | EventName              |         |         |         |         |         |         |
|                   |                     | Gender                 |         |         |         |         |         |         |
|                   |                     | SubEventName           |         |         |         |         |         |         |
|                   |                     | VenueDescription (0,1) |         |         |         |         |         |         |
|                   |                     | Venue                  |         |         |         |         |         |         |
|                   |                     | VenueName              |         |         |         |         |         |         |
|                   |                     | Location               |         |         |         |         |         |         |
|                   |                     | LocationName           |         |         |         |         |         |         |



|                       |  |
|-----------------------|--|
| Officials (0,1)       |  |
| Official (1,N)        |  |
| Code                  |  |
| Function              |  |
| Order                 |  |
| Description (1,1)     |  |
| GivenName             |  |
| FamilyName            |  |
| Gender                |  |
| Organisation          |  |
| Result (1,N)          |  |
| Rank                  |  |
| RankEqual             |  |
| Result                |  |
| IRM                   |  |
| SortOrder             |  |
| StartOrder            |  |
| StartSortOrder        |  |
| ResultType            |  |
| Diff                  |  |
| PhotoFinish           |  |
| ExtendedResults (0,1) |  |
| ExtendedResult (1,N)  |  |
| Type                  |  |
| Code                  |  |
| Pos                   |  |
| Value                 |  |
| Value2                |  |
| IRM                   |  |
| Rank                  |  |
| RankEqual             |  |
| SortOrder             |  |
| Diff                  |  |
| Move                  |  |
| Pty                   |  |
| Arrive                |  |
| Extension (0,N)       |  |
| Code                  |  |
| Pos                   |  |
| Value                 |  |
| Competitor (1,1)      |  |
| Code                  |  |
| Type                  |  |
| Bib                   |  |
| Organisation          |  |
| Description (0,1)     |  |
| TeamName              |  |
| EventUnitEntry (0,N)  |  |
| Type                  |  |
| Code                  |  |
| Pos                   |  |



|                       |  |
|-----------------------|--|
| Value                 |  |
| Composition (0,1)     |  |
| Athlete (0,N)         |  |
| Code                  |  |
| Order                 |  |
| Bib                   |  |
| Description (1,1)     |  |
| GivenName             |  |
| FamilyName            |  |
| Gender                |  |
| Organisation          |  |
| BirthDate             |  |
| IFld                  |  |
| Class                 |  |
| Guide(0,N)            |  |
| GuideID               |  |
| Order                 |  |
| GuideFamilyName       |  |
| GuideGivenName        |  |
| EventUnitEntry (0,N)  |  |
| Type                  |  |
| Code                  |  |
| Pos                   |  |
| Value                 |  |
| ExtendedResults (0,1) |  |
| ExtendedResult (1,N)  |  |
| Type                  |  |
| Code                  |  |
| Pos                   |  |
| Value                 |  |
| Value2                |  |
| IRM                   |  |
| Rank                  |  |
| RankEqual             |  |
| SortOrder             |  |
| Diff                  |  |
| Move                  |  |
| Pty                   |  |
| Arrive                |  |
| Extension (0,N)       |  |
| Code                  |  |
| Pos                   |  |
| Value                 |  |

### 2.3.4.5 Message Values

| Element: Competition (0,1) |     |       |  |
|----------------------------|-----|-------|--|
| Attribute                  | M/O | Value | Description  |
| Gen                        | M   | S(20) | Version of the General Data Dictionary applicable to the message |
| Sport                      | M   | S(35) | Version of the Sport Data Dictionary applicable to the message   |





|       |   |       |  |
|-------|---|-------|--|
| Codes | M | S(20) | Version of the Codes applicable to the message |
|-------|---|-------|--|

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

| Element: Competition /ExtendedInfos /ExtendedInfo (0,N) |  |                  |  |
|---|--|------------------|--|
| Type  | Code   | Pos              | Description  |
| UI  | STARTERS   | N/A              | Element Expected: always   |
|   | <b>Attribute</b>   | <b>M/O</b>       | <b>Value</b>   |
|   | Value  | M                | Positive Integer   |
|   | <b>Sub Element: Competition /ExtendedInfos /ExtendedInfo /Extension</b><br>Expected always when the ResultStatus is not START_LIST and at least one competitor has completed the unit with a valid time. |                  |  |
|   | <b>Attribute</b>   | <b>Value</b>     | <b>Description</b>   |
|   | Code   | COMPLETE         |  |
|   | Pos  | N/A              |  |
|   | Value  | Positive Integer | Number of competitors whose event unit is completed (including IRMs).  |
|   | <b>Sub Element: Competition /ExtendedInfos /ExtendedInfo /Extension</b><br>Expected always after the first competitor passed the @Pos Intermediate point   |                  |  |
|   | <b>Attribute</b>   | <b>Value</b>     | <b>Description</b>   |
|   | Code   | PASSED           |  |
|   | Pos  | S(2)             | Intermediate point in the unit (1, 2...F).   |
|   | Value  | Positive Integer | Number of competitors passed @Pos. Do not include IRMs.  |
|   | <b>Sub Element: Competition /ExtendedInfos /ExtendedInfo /Extension</b><br>Expected as soon the first competitor has a valid time @Pos Intermediate point or the first competitor has started            |                  |  |
|   | <b>Attribute</b>   | <b>Value</b>     | <b>Description</b>   |
|   | Code   | IN_RACE          |  |
|   | Pos  | S(2)             | Intermediate point in the unit (1, 2...F) including S  |
|   | Value  | Positive Integer | Number of competitors (excluding IRMs) including the ones that have passed and the ones that are expected at @Pos.   |
| UI  | PROVISIONAL  | N/A              | Element Expected: only if the start list is provisional  |
|   | <b>Attribute</b>   | <b>M/O</b>       | <b>Value</b>   |
|   | Value  | M                | #0   |
|   | In Relay @Value is 0<br>In Mass Start @Value is the number of events completed computed in the start list (as per ORIS).   |                  |  |
| DISPLAY   | INT_*  | #0               | Code Description: * is the overall intermediate point as defined in DT_CONFIG, not by LEG<br>Pos Description: unique number for each competitor included (1 & 2 if more than one).<br>Element Expected: always when the unit is LIVE.<br>Each competitor's ID is expected only once at each intermediate.<br>Remove in subsequent messages |
|   | <b>Attribute</b>   | <b>M/O</b>       | <b>Value</b>   |
|   | Value  | M                | S(20) without leading zeros  |
|   | Competitor individual ID (even for team/relay) of the last competitor(s) to reach the intermediate point (including F).  |                  |  |
| DISPLAY   | NEXT   | N/A              | Element Expected: for interval start and pursuit   |



|         | Attribute | M/O      | Value                        | Description   |
|---------|-----------|----------|------------------------------|---|
|         | Value     | M        | S(20) without leading zeros  | Competitor ID of the next competitor to start.  |
| DISPLAY |           | STARTED  | Positive Integer             | Pos Description:<br>1, N for the competitors started since the last message.<br>Element Expected:<br>In intervals and pursuit starts only. Only once for each competitor.   |
|         | Attribute | M/O      | Value                        | Description   |
|         | Value     | M        | S(20) without leading zeros  | Competitor ID of the competitor most recently started   |
| DISPLAY |           | CURR_LEG | N/A                          | Element Expected: Team Sprint and Relay events.   |
|         | Attribute | M/O      | Value                        | Description   |
|         | Value     | M        | Positive Integer             | Leg Number updated as soon as the leader crosses the first intermediate point of each leg   |
| LEADER  |           | CURRENT  | S(2)                         | Pos Description: most recent overall intermediate point, as defined in DT_CONFIG, reached by the first competitor (1, 2,..F).<br>For Relays it starts with 1 in leg 1, and finish with F in the last intermediate of the last leg.<br>Element Expected:<br>All events with intermediate points. |
|         | Attribute | M/O      | Value                        | Description   |
|         | Value     | M        | S(20) without leading zeros. | Competitor ID of the first competitor to reach the intermediate point (including F).  |

### Sample (individual event)

```
<ExtendedInfos>
<UnitDateTime StartDate="2025-01-23T14:29:58+01:00"/>
<ExtendedInfo Type="UI" Code="STARTERS" Value="101">
  <Extension Code="COMPLETE" Value="81"/>
  <Extension Code="PASSED" Value="100" Pos="1"/>
  <Extension Code="IN_RACE" Value="100" Pos="1"/>
  <Extension Code="PASSED" Value="100" Pos="2"/>
  <Extension Code="IN_RACE" Value="100" Pos="2"/>
  ....
</ExtendedInfo>
<ExtendedInfo Type="DISPLAY" Code="INT_3" Value="7520488" Pos="1"/>
<ExtendedInfo Type="DISPLAY" Code="NEXT" Value="7520402"/>
<ExtendedInfo Type="LEADER" Code="CURRENT" Value="7520513" Pos="7"/>
```

| Element: Competition /ExtendedInfos /SportDescription (0,1) |     |                                       |                                |
|---|-----|---------------------------------------|--------------------------------|
| Attribute   | M/O | Value                                 | Description                    |
| DisciplineName  | M   | CC@DISCIPLINE<br>ENG Description      | Discipline ENG Description     |
| EventName   | M   | CC@EVENT<br>ENG Description           | Event ENG Description          |
| Gender  | M   | CC@DISCIPLINE_GENDER<br>Gender        | Gender code for the event unit |
| SubEventName  | M   | CC@EVENT_UNIT<br>ENG ShortDescription | EventUnit ENG ShortDescription |

Element: Competition /ExtendedInfos /VenueDescription (0,1)



| Attribute    | M/O | Value                          | Description              |
|--------------|-----|--------------------------------|--------------------------|
| Venue        | M   | CC@VENUE<br>Id                 | Venue Code               |
| VenueName    | M   | CC@VENUE<br>ENG Description    | Venue ENG Description    |
| Location     | M   | CC@LOCATION<br>Id              | Location code            |
| LocationName | M   | CC@LOCATION<br>ENG Description | Location ENG Description |

**Element: Competition /Officials /Official (1,N)**

| Attribute | M/O | Value                        | Description  |
|-----------|-----|------------------------------|--|
| Code      | M   | S(20) without leading zeros  | Official's code  |
| Function  | M   | CC@DISCIPLINE_FUNCTION<br>Id | Official's function. It can be different from the one sent in the DT_PARTIC message. |
| Order     | M   | Positive Integer             | Order of officials.  |

**Element: Competition /Officials /Official /Description (1,1)**

| Attribute    | M/O | Value                  | Description             |
|--------------|-----|------------------------|-------------------------|
| GivenName    | O   | S(25)                  | Preferred Given Name    |
| FamilyName   | M   | S(25)                  | Preferred Family Name   |
| Gender       | M   | CC@PERSON_GENDER<br>Id | Gender of the official  |
| Organisation | M   | CC@ORGANISATION<br>Id  | Official's organisation |

**Element: Competition /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   | Positive Integer                   | Rank of the competitor in the event unit<br>Not expected while PhotoFinish pending   |
| RankEqual      | O   | Y                                  | 'Y' if the rank is equaled, else is not expected.<br>Not expected while PhotoFinish pending  |
| Result         | O   | h:mm:sS.F<br>SC@ResultMark<br>Code | Time for the competitor or LAP in relay events.<br><br>In relay events, LAP is an RM and is sent @Result if @ResultType is TIME.<br>In individual events, LAP is an IRM and is sent @IRM if @ResultType is IRM.<br>Not expected while PhotoFinish pending  |
| IRM            | O   | SC@IRM<br>Code                     | Invalid result mark (IRM) for the event unit if @ResultType is IRM   |
| SortOrder      | M   | Positive Integer                   | This attribute is a sequential number with the order of the results for the event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank. Prior to the unit the order is the same as StartSortOrder.<br>Updated during the race with the current order. |
| StartOrder     | O   | Positive Integer                   | Start order  |
| StartSortOrder | M   | Positive Integer                   | Unique number for sorting the start list.  |
| ResultType     | O   | SC@ResultType<br>Code              | Type of the @Result attribute.   |



|             |   |            |   |
|-------------|---|------------|---|
| Diff        | O | +h:mm:ss:F | Time behind the leader. 0.0 for the leader.<br>Not expected while PhotoFinish pending   |
| PhotoFinish | O | E, P       | In case the competitor result is decided by photo finish:<br>E: Photofinish evaluated.<br>P: Photofinish evaluation pending<br>While pending, the competitors involved will be sorted according to the theoretical rank before the evaluation. Attributes related to the not confirmed result are not expected. |

| Element: Competition /Result /ExtendedResults /ExtendedResult (1,N) |                  |            |  |  |
|---|------------------|------------|--|--|
| Type  | Code             | Pos        | Description  |  |
| ER  | STATUS           | N/A        | Element Expected: always   |  |
|   | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>   | <b>Description</b>   |
|   | Value            | M          | SC@CompetitorStatus Code   | Race status for the competitor   |
| ER  | PREDICT          | N/A        | Element Expected: in interval start units only when ResultStatus is LIVE   |  |
|   | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>   | <b>Description</b>   |
|   | Value            | O          | Positive Integer   | Predicted rank for the competitor  |
|   | SortOrder        | M          | Positive Integer   | Index based on the Value to sort the competitors considering equals and those without Value.   |
| ER  | CURRENT          | N/A        | Element Expected: always except if DNS   |  |
|   | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>   | <b>Description</b>   |
|   | Value            | M          | S(2)   | Intermediate point where the competitor has most recently passed.<br><br>If the competitor has an IRM (different from DNS):<br>1. before crossing the first intermediate point @Value is 0.<br>2. In other cases, @Value is the Intermediate point that was crossed most recently. |
| PROGRESS  | INTERMEDIATE     | S(2)       | Pos Description:<br>Intermediate point where the intermediate time is recorded (1, 2...F).<br>Element Expected:<br>When data is available for individual events, except for @Pos F while @PhotoFinish is P in Result element |  |
|   | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>   | <b>Description</b>   |
|   | Value            | M O        | h:mm:ss.F  | Cumulative time at the intermediate point in the current race.   |
|   | Value2           | O          | h:mm:ss.F  | Time for the section ending at the intermediate point @Pos.  |
|   | Rank             | O          | Positive Integer   | Rank of the competitor at the intermediate point.  |
|   | RankEqual        | O          | Y  | 'Y' if the rank is equaled, else is not expected.  |
|   | IRM              | O          | SC@IRM Code  | Invalid result mark (IRM) if applicable.   |
|   | SortOrder        | M          | Positive Integer   | Index based on the rank to sort the competitor considering equals.   |
|   | Diff             | O          | +h:mm:ss.F   | Time behind the leader in the unit at the point. 0.0 for the leader.   |



|  |                  |                  |   |  |
|--|------------------|------------------|---|--|
|  | Move             | O                | +/-Integer  | Variation in rank gained (+) or lost (-) since the previous intermediate point after the first one.<br>Expected for mass start and pursuit only, included for all intermediate points after the first one in mass start, include for all intermediates in pursuit. |
|  | Arrive           | O                | Positive Integer  | Arrival order at the intermediate point.   |
| PROGRESS   |                  | SHOOT            | S(2)  | Pos Description: 1, N shooting bout.<br>Element Expected: only in individual events.   |
|  | <b>Attribute</b> | <b>M/O</b>       | <b>Value</b>  | <b>Description</b>   |
|  | Value            | M O              | m:s.S.F   | Total time in this shooting bout.  |
|  | Rank             | O                | Positive Integer  | Rank of the competitor based on @Value.  |
|  | RankEqual        | O                | Y   | 'Y' if the rank is equaled, else is not expected.  |
|  | SortOrder        | M O              | Positive Integer  | Index based on the Rank to sort the competitor considering equals. <b>Only included for those who are ranked</b>   |
|  | Diff             | O                | +m:s.S.F  | Time behind the leader for this shooting bout. 0.0 for the leader.   |
|  | Pty              | O                | 0-5   | Total penalties for this shoot.  |
| <b>Sub Element: Competition /Result /ExtendedResults /ExtendedResult /Extension</b><br>Expected only in individual events. |                  |                  |   |  |
|  | <b>Attribute</b> | <b>Value</b>     | <b>Description</b>  |  |
|  | Code             | PENALTY_TIME     |   |  |
|  | Pos              | N/A              |   |  |
|  | Value            | m:s.S.F          | Penalty time at this shooting bout.   |  |
| <b>Sub Element: Competition /Result /ExtendedResults /ExtendedResult /Extension</b><br>Expected only in individual events. |                  |                  |   |  |
|  | <b>Attribute</b> | <b>Value</b>     | <b>Description</b>  |  |
|  | Code             | PENALTY_TOT      |   |  |
|  | Pos              | N/A              |   |  |
|  | Value            | #0               | Total penalties up to this point.   |  |
| <b>Sub Element: Competition /Result /ExtendedResults /ExtendedResult /Extension</b><br>Expected only in individual events. |                  |                  |   |  |
|  | <b>Attribute</b> | <b>Value</b>     | <b>Description</b>  |  |
|  | Code             | SHOT             |   |  |
|  | Pos              | Positive Integer | Shot number within the bout   |  |
|  | Value            | S(1)             | If the shot is successful then @Value is number of the target hit, if the target is missed for @Pos shot then @Value is M.                  |  |
| <b>Sub Element: Competition /Result /ExtendedResults /ExtendedResult /Extension</b><br>Expected only in individual events. |                  |                  |   |  |
|  | <b>Attribute</b> | <b>Value</b>     | <b>Description</b>  |  |
|  | Code             | SHOT_TIME        |   |  |
|  | Pos              | Positive Integer | The shot number within this time in the shooting range.   |  |
|  | Value            | s.S.F            | Interval time of the @Pos shot in relation to the previous shot or in relation to the arrival time at the shooting lane for the first shot. |  |
| ER   |                  | SHOOT_TOT        | N/A   | Element Expected: after all shooting bouts for the specific competitor are completed   |



| Attribute  | M/O          | Value  | Description   |
|--|--------------|--|---|
| Value  | O            | mm:sS.F  | Total time shooting.  |
| IRM  | O            | SC@IRM<br>Code   | Appropriate IRM code if applicable.   |
| Rank   | O            | Positive Integer   | Rank of the competitor based on @Value.                                     |
| RankEqual  | O            | Y  | 'Y' if the rank is equaled, else is not expected.                           |
| SortOrder  | M            | Positive Integer   | Index based on the Rank to sort the competitor considering equals and IRMs. |
| Diff   | O            | +mm:sS.F   | Shooting time behind the leader. 0.0 for the leader.                        |
| Pty  | O            | #0   | Total penalties in shooting for the competitor.                             |
| <b>Sub Element: Competition /Result /ExtendedResults /ExtendedResult /Extension<br/>Expected If applicable</b>               |              |  |   |
| Attribute  | Value        | Description  |   |
| Code   | PENALTY_TIME |  |   |
| Pos  | N/A          |  |   |
| Value  | mm:sS.F      | Total shooting penalty time.                             |   |
| <b>Sub Element: Competition /Result /ExtendedResults /ExtendedResult /Extension<br/>Expected Only in relay for the team.</b> |              |  |   |
| Attribute  | Value        | Description  |   |
| Code   | PRONE        |  |   |
| Pos  | N/A          |  |   |
| Value  | #0           | Total prone penalties in shooting for the competitor.    |   |
| <b>Sub Element: Competition /Result /ExtendedResults /ExtendedResult /Extension<br/>Expected Only in relay for the team.</b> |              |  |   |
| Attribute  | Value        | Description  |   |
| Code   | PRONE_SPARE  |  |   |
| Pos  | N/A          |  |   |
| Value  | #0           | Total used spare rounds in prone.                        |   |
| <b>Sub Element: Competition /Result /ExtendedResults /ExtendedResult /Extension<br/>Expected Only in relay for the team.</b> |              |  |   |
| Attribute  | Value        | Description  |   |
| Code   | SPARE        |  |   |
| Pos  | N/A          |  |   |
| Value  | #0           | Total used spare rounds.                                 |   |
| <b>Sub Element: Competition /Result /ExtendedResults /ExtendedResult /Extension<br/>Expected Only in relay for the team.</b> |              |  |   |
| Attribute  | Value        | Description  |   |
| Code   | STAND        |  |   |
| Pos  | N/A          |  |   |
| Value  | #0           | Total standing penalties in shooting for the competitor. |   |
| <b>Sub Element: Competition /Result /ExtendedResults /ExtendedResult /Extension<br/>Expected Only in relay for the team.</b> |              |  |   |
| Attribute  | Value        | Description  |   |



|    |                  |               |  |  |
|----|------------------|---------------|--|--|
|    | Code             | STAND_SPARE   |  |  |
|    | Pos              | N/A           |  |  |
|    | Value            | #0            |  | Total used spare rounds in standing.   |
| ER |                  | SKI_TOT       | N/A                                    | Element Expected: only in individual or short individual events and in Paralympics as calculated time.   |
|    | <b>Attribute</b> | <b>M/O</b>    | <b>Value</b>                           | <b>Description</b>   |
|    | Value            | O             | mm:sS.F                                | Total ski time.  |
|    | IRM              | O             | SC@IRM Code                            | Appropriate IRM code if applicable.  |
|    | Rank             | O             | Positive Integer                       | Rank of the competitor based on @Value.  |
|    | RankEqual        | O             | Y                                      | 'Y' if the rank is equaled, else is not expected.  |
|    | SortOrder        | M             | Positive Integer                       | Index based on the Rank to sort the competitor considering equals and IRMs.  |
|    | Diff             | O             | +mm:sS.F                               | Time behind the leader. 0.0 for the leader.  |
| ER |                  | RAW           | N/A                                    | Element Expected: only in pursuit after the competitor is at finish  |
|    | <b>Attribute</b> | <b>M/O</b>    | <b>Value</b>                           | <b>Description</b>   |
|    | Value            | O             | mm:sS.F                                | Raw total time (without start behind time, i.e. the different between finishing time and start behind time).   |
|    | IRM              | O             | SC@IRM Code                            | Appropriate IRM code if applicable.  |
|    | Rank             | O             | Positive Integer                       | Rank of the competitor based on @Value.  |
|    | RankEqual        | O             | Y                                      | 'Y' if the rank is equaled, else is not expected.  |
|    | SortOrder        | O             | Positive Integer                       | Index based on the Rank to sort the competitor considering equals and IRMs.  |
|    | Diff             | O             | +mm:sS.F                               | Time behind the leader. 0.0 for the leader.  |
| ER |                  | TIME_ADJUST   | N/A                                    | Element Expected: If applicable for team in relay events or individual athlete in individual events  |
|    | <b>Attribute</b> | <b>M/O</b>    | <b>Value</b>                           | <b>Description</b>   |
|    | Value            | M             | +/-mm:sS.F                             | TOTAL time adjustment (- or +).  |
| ER |                  | JURY_DECISION | Positive Integer                       | Pos Description: 1, N for each jury decision related to this competitor, order chronologically<br>Element Expected: when there is a description available for a jury decision. |
|    | <b>Attribute</b> | <b>M/O</b>    | <b>Value</b>                           | <b>Description</b>   |
|    | Value            | M             | SC@Infringement Code S(25)             | Code of Infringement/Offence   |
|    | Value2           | M             | SC@Infringement ENG Description S(255) | Text to describe a jury decision.<br>Some examples are:<br>"Behaviour that may intentionally hinder"<br>"False start "<br>'Ranked as last - Obstruction'                       |
|    | Pty              | O             | +/-mm:sS.F                             | Time adjustment (- or +). In relay it is the cumulative time adjustment for the team.  |
|    | IRM              | O             | SC@IRM Code                            | Invalid result mark (IRM) because of the offence/infringement  |



| ER | POT_DSQ  | N/A        | Element Expected: if applicable                      |
|----|--|------------|--|
|    | <b>Attribute</b>   | <b>M/O</b> | <b>Value</b>   |
|    | Value  | M          | Y  |
|    | Description  |            |  |
|    | Y if the competitor is under investigation or potentially disqualified or subjected to time adjustment.  |            |  |
| ER | REAL_TIME  | N/A        | Element Expected: when available in the Paralympics  |
|    | <b>Attribute</b>   | <b>M/O</b> | <b>Value</b>   |
|    | Value  | M          | h:mm:ss.F  |
|    | Description  |            |  |
|    | Real time for single athletes (other times are the adjusted time)  |            |  |
| ER | DELTA  | N/A        | Element Expected: when available in the Paralympics. |
|    | <b>Attribute</b>   | <b>M/O</b> | <b>Value</b>   |
|    | Value  | M          | +/-mm:ss.F   |
|    | Description  |            |  |
|    | Delta for single athlete, not expected for the winner<br>Delta is the real time the skier would have to ski faster in order to tie the winner result (in adjusted time). |            |  |

### Sample (individual)

```
<Result SortOrder="2" ResultType="TIME" Rank="2" Result="24:34.8" Diff="1.3" StartOrder="5" StartSortOrder="5" >
  <ExtendedResults>
    <ExtendedResult Type="ER" Code="SHOOT_TOT" Value="58.0" Diff="2.9" Pty="0" Rank="8" >
      <Extension Code="PENALTY_TIME" Value="17.8" />
    </ExtendedResult>
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Value="4:47.2" Value2="2:57.2" Pos="1" Diff="7.4" Rank="12"
SortOrder="12" Arrive="15" />
    ....
    <ExtendedResult Type="PROGRESS" Code="SHOOT" Value="28.0" Pos="2" SortOrder="53" Rank="52" RankEqual="Y" Diff="+6.3"
Pty="1" >
      <Extension Code="PENALTY_TOT" Value="2" />
      <Extension Code="PENALTY_CUM" Value="2" />
      <Extension Code="PENALTY_TIME" Value="28.8" />
      <Extension Code="SHOT" Pos="1" Value="5" />
      <Extension Code="SHOT" Pos="2" Value="4" />
      <Extension Code="SHOT" Pos="3" Value="M" />
      <Extension Code="SHOT" Pos="4" Value="2" />
      <Extension Code="SHOT" Pos="5" Value="M" />
    </ExtendedResult>
  <Competitor Code="2023687" Type="A">
    <Composition>
      <Athlete Code="2023687" Bib="15" Order="1" Organisation="GER" >
        <Description GivenName="John" FamilyName="Smith" Gender="M" Organisation="GER" BirthDate="1994-12-15" />
      </Athlete>
    </Composition>
  </Competitor>
</Result>
```

#### Element: Competition /Result /Competitor (1,1)

Competitor related to the result of one event unit.

| Attribute    | M/O | Value                       | Description               |
|--------------|-----|-----------------------------|---------------------------|
| Code         | M   | S(20) without leading zeros | Competitor's ID           |
| Type         | M   | A, T                        | A for athlete, T for team |
| Bib          | O   | S(5)                        | Bib number for the team   |
| Organisation | M   | CC@ORGANISATION<br>Id       | Competitor's organisation |

#### Element: Competition /Result /Competitor /Description (0,1)





| Attribute | M/O | Value | Description                     |
|-----------|-----|-------|---------------------------------|
| TeamName  | M   | S(73) | Name of the team. (Team events) |

**Element: Competition /Result /Competitor /EventUnitEntry (0,N)**

For team events only

| Type | Code        | Pos | Description                   |
|------|-------------|-----|-------------------------------|
| EUE  | START_GROUP | N/A | Element Expected: relays only |

| Attribute | M/O | Value | Description |
|-----------|-----|-------|-------------|
| Value     | M   | ##0   | Start row.  |

**Element: Competition /Result /Competitor /Composition /Athlete (0,N)**

| Attribute | M/O | Value                       | Description  |
|-----------|-----|-----------------------------|--|
| Code      | M   | S(20) without leading zeros | Athlete's ID.  |
| Order     | M   | Positive Integer            | 1 in individual events (if Competitor @Type="A"), and athlete starting order (1..n) for teams (if Competitor @Type="T"). |
| Bib       | O   | S(5)                        | Bib number<br>Numeric for individuals.<br>##0-0 for team members.<br>*** for athletes out of quota in mass start.        |

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

| Attribute    | M/O | Value                        | Description   |
|--------------|-----|------------------------------|---|
| GivenName    | O   | S(25)                        | Preferred Given Name  |
| FamilyName   | M   | S(25)                        | Preferred Family Name   |
| Gender       | M   | CC@PERSON_GENDER<br>Id       | Gender of the athlete   |
| Organisation | M   | CC@ORGANISATION<br>Id        | Athletes' organisation  |
| BirthDate    | O   | YYYY-MM-DD                   | Date of Birth, must be included if the data is available  |
| IFid         | O   | S(16)                        | International Federation ID   |
| Class        | O   | CC@DISCIPLINE_CLASS<br>Class | Code to identify the sport class in the case of events with athletes with a disability (e.g: Paralympic Games). |

**Element: Competition /Result /Competitor /Composition /Athlete /Guide (0,N)**

| Attribute       | M/O | Value                       | Description                                   |
|-----------------|-----|-----------------------------|---|
| GuideID         | M   | S(20) without leading zeros | ID of the athlete's guide.                    |
| Order           | M   | Positive Integer            | Order used to sort the athlete's guide.       |
| GuideFamilyName | O   | S(25)                       | Preferred Family Name of the athlete's guide. |
| GuideGivenName  | M   | S(25)                       | Preferred Given Name of the athlete's guide.  |

**Element: Competition /Result /Competitor /Composition /Athlete /EventUnitEntry (0,N)**

Individual athletes entry information.

| Type | Code        | Pos | Description                          |
|------|-------------|-----|--------------------------------------|
| EUE  | START_GROUP | N/A | Element Expected: individual events. |



|     | Attribute | M/O        | Value                        | Description  |
|-----|-----------|------------|------------------------------|--|
|     | Value     | M          | ##0<br>SC@StartGroup<br>Code | Start lane, row or group.  |
| EUE |           | START_TIME | N/A                          | Element Expected: interval start events                          |
|     | Attribute | M/O        | Value                        | Description  |
|     | Value     | M          | HH:MM:SS                     | Start time.  |
| EUE |           | HCP_TIME   | N/A                          | Element Expected: pursuit  |
|     | Attribute | M/O        | Value                        | Description  |
|     | Value     | M          | mM:SS                        | Handicap time or start behind time.                              |
| EUE |           | WAVE       | N/A                          | Element Expected: if the competitor is in a wave start.          |
|     | Attribute | M/O        | Value                        | Description  |
|     | Value     | M          | mM:SS                        | Handicap time or start behind time.                              |
| EUE |           | LEG_BIB    | N/A                          | Element Expected: all team events                                |
|     | Attribute | M/O        | Value                        | Description  |
|     | Value     | M          | Positive Integer             | Leg number of the Team member. For Relay should be 1,2,3,4.      |
| EUE |           | COLOUR     | N/A                          | Element Expected: all team events.                               |
|     | Attribute | M/O        | Value                        | Description  |
|     | Value     | M          | SC@Colour<br>Code            | Bib colour ('b', 'g', 'r' or 'y').                               |
| EUE |           | QUAL_GROUP | N/A                          | Element Expected: only for provisional start list for mass start |
|     | Attribute | M/O        | Value                        | Description  |
|     | Value     | M          | SC@MassGroup<br>Code         | Mass Group applicable code.                                      |
| EUE |           | RANK_WLD   | N/A                          | Element Expected: only for provisional start list for mass start |
|     | Attribute | M/O        | Value                        | Description  |
|     | Value     | M          | Positive Integer             | World Cup Rank.  |
| EUE |           | OG_PTS     | N/A                          | Element Expected: only for provisional start list for mass start |
|     | Attribute | M/O        | Value                        | Description  |
|     | Value     | M          | ##0                          | Olympic Games Points.  |
| EUE |           | PERCENTAGE | N/A                          | Element Expected: Paralympic Games                               |
|     | Attribute | M/O        | Value                        | Description  |
|     | Value     | M          | ##0                          | Athlete percentage   |

Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (1,N)

Team member extended result.

| Type     | Code         | Pos  | Description   |
|----------|--------------|------|---|
| PROGRESS | INTERMEDIATE | S(2) | Pos Description:<br>Intermediate point where the intermediate time is recorded (1, 2...F). This is the overall intermediate, not per leg. |



|   |             |                                  |  | Element Expected: when data is available except for @Pos F while @PhotoFinish is P in Result element   |
|---|-------------|----------------------------------|--|--|
| Attribute   | M/O         | Value                            | Description  |  |
| Value   | MO          | h:mm:sS.F<br>Or<br>SC@ResultMark | Cumulative time at the intermediate point in the current race or applicable Results Mark (LAP)                         |  |
| Value2  | O           | m:sS.F                           | Time for the section ending at the intermediate point @Pos.  |  |
| Rank  | O           | Positive Integer                 | Rank of the competitor at the intermediate point.  |  |
| RankEqual   | O           | Y                                | 'Y' if the rank is equaled, else is not expected.  |  |
| SortOrder   | M           | Positive Integer                 | Index based on the Rank to sort the competitor considering equals  |  |
| IRM   | O           | SC@IRM<br>Code                   | Invalid result mark (IRM) if applicable.   |  |
| Diff  | O           | +h:mm:sS.F                       | Time/Points etc behind leader at this ExtendedResult. 0.0 for the leader.  |  |
| Move  | O           | +/-Integer                       | Variation in rank gained (+) or lost (-) since the previous intermediate point after the first one.                    |  |
| Arrive  | O           | Positive Integer                 | Arrival order at the intermediate point.   |  |
| PROGRESS  |             | LEG_SPLIT                        | S(2)   | Pos Description: leg number<br>Element Expected: when data is available  |
| Attribute   | M/O         | Value                            | Description  |  |
| Value   | M           | mm:sS.F<br>Or<br>SC@ResultMark   | Leg time in the @Pos leg for the team member in the leg (relay) or applicable Result mark (LAP). It is not cumulative. |  |
| Rank  | O           | Positive Integer                 | Rank @Pos in the leg or round for the team member in the leg (relay)   |  |
| RankEqual   | O           | Y                                | 'Y' if the rank is equaled, else is not expected.  |  |
| SortOrder   | M           | Positive Integer                 | Index based on the Rank to sort the team member in the leg (relay) considering equals                                  |  |
| Diff  | O           | +mm:sS.F                         | Time behind the leader in the unit at the split.   |  |
| PROGRESS  |             | SHOOT                            | Positive Integer   | Pos Description: absolute shoot bout, 1,2 for athlete 1; 3,4 for athlete 2 etc.<br>Element Expected: when data is available as soon as athlete arrives at the shooting range |
| Attribute   | M/O         | Value                            | Description  |  |
| Value   | MO          | m:sS.F                           | Total time in this shooting bout for the athlete.  |  |
| Rank  | O           | Positive Integer                 | Rank of the athlete based on @Value.   |  |
| RankEqual   | O           | Y                                | 'Y' if the rank is equaled, else is not expected.  |  |
| SortOrder   | MO          | Positive Integer                 | Index based on the Rank to sort considering equals. Only included for those who are ranked                             |  |
| Diff  | O           | +m:sS.F                          | Time behind the leader for this shooting bout. 0.0 for the leader.   |  |
| Pty   | O           | 0-5                              | Total penalties in this shoot (0...5).   |  |
| <b>Sub Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension Expected Only in relay.</b> |             |                                  |  |  |
| Attribute   | Value       | Description                      |  |  |
| Code  | PENALTY_CUM |                                  |  |  |



|   |                  |   |
|---|------------------|---|
| Pos   | N/A              |   |
| Value   | ##0              | Total penalties for the team up to this point.  |
| <b>Sub Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension Expected Only in relay.</b> |                  |   |
| <b>Attribute</b>  | <b>Value</b>     | <b>Description</b>  |
| Code  | PENALTY_TIME     |   |
| Pos   | N/A              |   |
| Value   | m:s.S.F          | Penalty time at this shooting bout.   |
| <b>Sub Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension Expected Only in relay.</b> |                  |   |
| <b>Attribute</b>  | <b>Value</b>     | <b>Description</b>  |
| Code  | PENALTY_TOT      |   |
| Pos   | N/A              |   |
| Value   | ##0              | Total penalties up to this point.   |
| <b>Sub Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension Expected Only in relay.</b> |                  |   |
| <b>Attribute</b>  | <b>Value</b>     | <b>Description</b>  |
| Code  | SHOT             |   |
| Pos   | Positive Integer | The shot number within this time in the shooting range.   |
| Value   | S(1)             | If the shot is successful then the number of the target hit, if there is a miss in this shot (@Pos) then 'M'.   |
| <b>Sub Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension Expected only in relay</b>  |                  |   |
| <b>Attribute</b>  | <b>Value</b>     | <b>Description</b>  |
| Code  | SHOT_TIME        |   |
| Pos   | Positive Integer | The shot number within this time in the shooting range.   |
| Value   | s.S.F            | Shot interval time. The interval time of the shot in relation to the previous shot or in relation to the arrival time at the shooting lane for the 1 <sup>st</sup> shot. (Defined in the @Pos within this time in the shooting range) |
| <b>Sub Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension Expected only in relay</b>  |                  |   |
| <b>Attribute</b>  | <b>Value</b>     | <b>Description</b>  |
| Code  | SPARE            |   |
| Pos   | N/A              |   |
| Value   | ##0              | Total spare rounds used in this shoot.  |
| <b>Sub Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension Expected only in relay</b>  |                  |   |
| <b>Attribute</b>  | <b>Value</b>     | <b>Description</b>  |
| Code  | SPARE_CUM        |   |
| Pos   | N/A              |   |
| Value   | ##0              | Total spare rounds used by the team up to this point.   |
| <b>Sub Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension Expected only in relay.</b> |                  |   |
| <b>Attribute</b>  | <b>Value</b>     | <b>Description</b>  |
| Code  | SPARE_TOT        |   |



|    |  |                      |   |  |
|----|--|----------------------|---|--|
|    | Pos  | N/A                  |   |  |
|    | Value  | ##0                  | Total spare rounds used up to this point.   |  |
| ER | SHOOT_TOT  | N/A                  | Element Expected: if applicable in relay.   |  |
|    | <b>Attribute</b>   | <b>M/O</b>           | <b>Value</b>  | <b>Description</b>   |
|    | Value  | O                    | m:sS.F  | Total time shooting.   |
|    | IRM  | O                    | SC@IRM Code   | Appropriate IRM code if applicable.  |
|    | Rank   | O                    | Positive Integer  | Rank based on @Value.  |
|    | RankEqual  | O                    | Y   | 'Y' if the rank is equaled, else is not expected.  |
|    | SortOrder  | <b>M</b><br><b>O</b> | Positive Integer  | Index based on the Rank to sort considering equals and IRMs.<br><b>Optional in the case of LAP or IRM</b><br><b>Only included for those who are ranked</b> |
|    | Diff   | O                    | +m:sS.F   | Shooting time behind the leader. 0.0 for the leader.   |
|    | Pty  | O                    | ##0   | Total penalties in shooting for the athlete.   |
|    | <b>Sub Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension Expected If applicable</b> |                      |   |  |
|    | <b>Attribute</b>   | <b>Value</b>         | <b>Description</b>  |  |
|    | Code   | PENALTY_TIME         |   |  |
|    | Pos  | N/A                  |   |  |
|    | Value  | m:sS.F               | Total shooting penalty time.  |  |
|    | <b>Sub Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension Expected only in relay</b> |                      |   |  |
|    | <b>Attribute</b>   | <b>Value</b>         | <b>Description</b>  |  |
|    | Code   | SPARE                |   |  |
|    | Pos  | N/A                  |   |  |
|    | Value  | ##0                  | Total used spare rounds.  |  |
| ER | TIME_ADJUST  | N/A                  | Element Expected: if applicable in relay <b>for the Athlete.</b>  |  |
|    | <b>Attribute</b>   | <b>M/O</b>           | <b>Value</b>  | <b>Description</b>   |
|    | Value  | M                    | +/-m:sS.F   | TOTAL time adjustment (- or +) <b>assigned to the athlete.</b>   |
| ER | JURY_DECISION  | Positive Integer     | Pos Description:<br>1, N for each jury decision for this competitor. Order chronologically<br>Element Expected:<br>When there is a description available for a jury decision. |  |
|    | <b>Attribute</b>   | <b>M/O</b>           | <b>Value</b>  | <b>Description</b>   |
|    | Value  | M                    | SC@Infringement Code<br>or<br>S(25)   | Code of Infringement/Offence   |
|    | Value2   | M                    | SC@Infringement<br>ENG Description<br>or<br>S(255)  | Text to describe a jury decision. Some examples are<br>"Behaviour that may intentionally hinder"<br>"False start "<br>'Ranked as last - Obstruction'       |
|    | Pty  | O                    | +/-m:sS.F   | Time adjustment (- or +). In relay it is the cumulative time adjustment for the team.  |
|    | IRM  | O                    | SC@IRM Code   | Invalid result mark (IRM) because of the offence/infringement  |



#### **2.3.4.6 Message Sort**

Sort by Result @SortOrder



## 2.3.5 Results Analysis

### 2.3.5.1 Description

The Results Analysis is a message containing additional information for the start list and/or results. In biathlon it provides additional analytical information.

### 2.3.5.2 Header Values

The following table describes the message header attributes.

| Attribute       | Value                     | Comment   |
|-----------------|---------------------------|---|
| CompetitionCode | CC@COMPETITION_CODE<br>Id | Competition ID  |
| DocumentCode    | CC@EVENT_UNIT<br>Code     | Event Unit RSC at unit level                                  |
| DocumentSubcode | N/A                       | N/A   |
| DocumentType    | DT_RESULT_ANALYSIS        | Event Unit Result Analysis message                            |
| DocumentSubtype | N/A                       | N/A   |
| Version         | Positive Integer          | Version number (ascending) associated to the message content. |
| ResultStatus    | CC@RESULTSTATUS<br>Code   | Refer to DT_RESULT  |
| FeedFlag        | P, T                      | P – Production / T - Test                                     |
| Date            | Date                      | Refer to ODF header definition                                |
| Time            | Time                      | Refer to ODF header definition                                |
| LogicalDate     | Date                      | Refer to ODF header definition                                |
| Source          | SCGEN@Source<br>Code      | Code indicating the system which generated the message.       |

### 2.3.5.3 Trigger and Frequency

This message is sent no more frequently than every 15 seconds:

- LIVE when the unit starts and after every update (intermediates etc.)
- After the race is finished the same ResultStatus of DT\_RESULT is applied.

### 2.3.5.4 Message Structure

The following table defines the structure of the message.

| Level 1           | Level 2             | Level 3                | Level 4        | Level 5 | Level 6 | Level 7 | Level 8 |
|-------------------|---------------------|------------------------|----------------|---------|---------|---------|---------|
| Competition (0,1) |                     |                        |                |         |         |         |         |
|                   | Gen                 |                        |                |         |         |         |         |
|                   | Sport               |                        |                |         |         |         |         |
|                   | Codes               |                        |                |         |         |         |         |
|                   | ExtendedInfos (0,1) |                        |                |         |         |         |         |
|                   |                     | SportDescription (0,1) |                |         |         |         |         |
|                   |                     |                        | DisciplineName |         |         |         |         |
|                   |                     |                        | EventName      |         |         |         |         |
|                   |                     |                        | Gender         |         |         |         |         |



|                        |                       |                   |
|------------------------|-----------------------|-------------------|
|                        |                       | SubEventName      |
| VenueDescription (0,1) |                       |                   |
|                        |                       | Venue             |
|                        |                       | VenueName         |
|                        |                       | Location          |
|                        |                       | LocationName      |
| Result (1,N)           |                       |                   |
|                        | Rank                  |                   |
|                        | RankEqual             |                   |
|                        | Result                |                   |
|                        | IRM                   |                   |
|                        | SortOrder             |                   |
|                        | StartOrder            |                   |
|                        | StartSortOrder        |                   |
|                        | ResultType            |                   |
|                        | Diff                  |                   |
|                        | PhotoFinish           |                   |
|                        | ExtendedResults (0,1) |                   |
| ExtendedResult (1,N)   |                       |                   |
|                        |                       | Type              |
|                        |                       | Code              |
|                        |                       | Pos               |
|                        |                       | Value             |
|                        |                       | IRM               |
|                        |                       | Rank              |
|                        |                       | RankEqual         |
|                        |                       | SortOrder         |
|                        |                       | Diff              |
| Competitor (1,1)       |                       |                   |
|                        | Code                  |                   |
|                        | Type                  |                   |
|                        | Bib                   |                   |
|                        | Organisation          |                   |
|                        | Description (0,1)     |                   |
|                        |                       | TeamName          |
| Composition (0,1)      |                       |                   |
|                        |                       | Athlete (0,N)     |
|                        |                       | Code              |
|                        |                       | Order             |
|                        |                       | Bib               |
|                        |                       | Description (1,1) |





|  |                       |
|--|-----------------------|
|  | GivenName             |
|  | FamilyName            |
|  | Gender                |
|  | Organisation          |
|  | BirthDate             |
|  | IFId                  |
|  | Class                 |
|  | Guide(0,N)            |
|  | GuideID               |
|  | Order                 |
|  | GuideFamilyName       |
|  | GuideGivenName        |
|  | ExtendedResults (0,1) |
|  | ExtendedResult (1,N)  |
|  | Type                  |
|  | Code                  |
|  | Pos                   |
|  | Value                 |
|  | IRM                   |
|  | Rank                  |
|  | RankEqual             |
|  | SortOrder             |
|  | Diff                  |

### 2.3.5.5 Message Values

| Element: Competition (0,1) |     |       |  |
|----------------------------|-----|-------|--|
| Attribute                  | M/O | Value | Description  |
| Gen                        | M   | S(20) | Version of the General Data Dictionary applicable to the message |
| Sport                      | M   | S(35) | Version of the Sport Data Dictionary applicable to the message   |
| Codes                      | M   | S(20) | Version of the Codes applicable to the message                   |

| Element: Competition /ExtendedInfos /SportDescription (0,1) |     |                                       |                                 |
|---|-----|---------------------------------------|---------------------------------|
| Attribute   | M/O | Value                                 | Description                     |
| DisciplineName  | M   | CC@DISCIPLINE<br>ENG Description      | Discipline ENG Description      |
| EventName   | M   | CC@EVENT<br>ENG Description           | Event ENG Description .         |
| Gender  | M   | CC@DISCIPLINE_GENDER<br>Gender        | Gender code for the event unit  |
| SubEventName  | M   | CC@EVENT_UNIT<br>ENG ShortDescription | EventUnit ENG Short Description |

| Element: Competition /ExtendedInfos /VenueDescription (0,1) |  |  |  |
|---|--|--|--|
|---|--|--|--|



| Attribute    | M/O | Value                          | Description              |
|--------------|-----|--------------------------------|--------------------------|
| Venue        | M   | CC@VENUE<br>Id                 | Venue Code               |
| VenueName    | M   | CC@VENUE<br>ENG Description    | Venue ENG Description    |
| Location     | M   | CC@LOCATION<br>Id              | Location code            |
| LocationName | M   | CC@LOCATION<br>ENG Description | Location ENG Description |

| Element: Competition /Result (1,N) |     |                                    |   |
|------------------------------------|-----|------------------------------------|---|
| Attribute                          | M/O | Value                              | Description   |
| Rank                               | O   | Positive Integer                   | Rank of the competitor<br>Not expected while PhotoFinish pending  |
| RankEqual                          | O   | Y                                  | 'Y' if the rank is equaled, else is not expected.<br>Not expected while PhotoFinish pending   |
| Result                             | O   | h:mm:sS.F<br>SC@ResultMark<br>Code | Time for the competitor or LAP in relay events.<br><br>In relay events, LAP is an RM and is sent @Result if @ResultType is TIME.<br>In individual events, LAP is an IRM and is sent @IRM if @ResultType is IRM.<br>Not expected while PhotoFinish pending   |
| IRM                                | O   | SC@IRM<br>Code                     | Invalid result mark (IRM) for the event unit if @ResultType is IRM  |
| SortOrder                          | M   | Positive Integer                   | This attribute is a sequential number with the order of the results for the event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank. Prior to the unit the order is the same as StartSortOrder. Updated during the race with the current order. |
| StartOrder                         | O   | Positive Integer                   | Start order   |
| StartSortOrder                     | M   | Positive Integer                   | Unique number for sorting the start list.   |
| ResultType                         | O   | SC@ResultType<br>Code              | Result type   |
| Diff                               | O   | +h:mm:sS.F                         | Time behind the leader. 0.0 for the leader.<br>Not expected while PhotoFinish pending   |
| PhotoFinish                        | O   | E, P                               | In case the competitor result is decided by photo finish:<br>E: Photofinish evaluated.<br>P: Photofinish evaluation pending<br>While pending, the competitors involved will be sorted according to the theoretical rank before the evaluation. Attributes related to the not confirmed result are not expected.                               |

| Element: Competition /Result /ExtendedResults /ExtendedResult (1,N) |         |       |  |
|---|---------|-------|--|
| Type  | Code    | Pos   | Description  |
| PROGRESS  | SECTION | S(2)  | Pos Description: intermediate point where the section time is recorded (1, 2...F).<br>Element Expected: when data is available except for @Pos F while @PhotoFinish is P in Result element |
| Attribute   | M/O     | Value | Description  |



|          |                  |            |                  |  |
|----------|------------------|------------|------------------|--|
|          | Value            | M          | mm:sS.F          | Time for the section ending at the intermediate point @Pos.  |
|          | Rank             | O          | Positive Integer | Rank of the competitor in the section  |
|          | RankEqual        | O          | Y                | 'Y' if the rank is equaled, else is not expected.  |
|          | SortOrder        | M          | Positive Integer | Index based on the Rank to sort the competitor considering equals.   |
|          | Diff             | O          | +mm:sS.F         | Time behind the leader in the section. 0.0 for the leader.   |
| PROGRESS |                  | RANGE      | Positive Integer | Pos Description: 1, N shooting bout<br>Element Expected: only in individual events.  |
|          | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>     | <b>Description</b>   |
|          | Value            | M          | mm:sS.F          | Range time for this shooting bout.   |
|          | Rank             | O          | Positive Integer | Rank of the competitor based on @Value.  |
|          | RankEqual        | O          | Y                | 'Y' if the rank is equaled, else is not expected.  |
|          | SortOrder        | M          | Positive Integer | Index based on the Rank to sort the competitor considering equals.   |
|          | Diff             | O          | +mm:sS.F         | Time behind the leader. 0.0 for the leader.  |
| PROGRESS |                  | LOOP       | Positive Integer | Pos Description: loop (1, 2...n).<br>Element Expected: Only in individual events except for last loop while @PhotoFinish is P in Result element      |
|          | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>     | <b>Description</b>   |
|          | Value            | M          | mm:sS.F          | Time for this loop.  |
|          | Rank             | O          | Positive Integer | Rank of the competitor based on @Value.  |
|          | RankEqual        | O          | Y                | 'Y' if the rank is equaled, else is not expected.  |
|          | SortOrder        | M          | Positive Integer | Index based on the Rank to sort the competitor considering equals.   |
|          | Diff             | O          | +mm:sS.F         | Time behind the leader for this loop.  |
| PROGRESS |                  | COURSE     | Positive Integer | Pos Description: loop (1, 2...n).<br>Element Expected: only in individual events, except for the last loop while @PhotoFinish is P in Result element |
|          | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>     | <b>Description</b>   |
|          | Value            | M          | mm:sS.F          | Course time for this loop.   |
|          | Rank             | O          | Positive Integer | Rank of the competitor based on @Value.  |
|          | RankEqual        | O          | Y                | 'Y' if the rank is equaled, else is not expected.  |
|          | SortOrder        | M          | Positive Integer | Index based on the Rank to sort the competitor considering equals.   |
|          | Diff             | O          | +mm:sS.F         | Time behind the leader. 0.0 for the leader.  |
| PROGRESS |                  | SKI        | Positive Integer | Pos Description: loop (1, 2...n).<br>Element Expected: only in individual competition (20km M, 15km W).  |
|          | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>     | <b>Description</b>   |
|          | Value            | M          | mm:sS.F          | Ski time (regardless of penalties) for this loop.  |
|          | Rank             | O          | Positive Integer | Rank of the competitor based on @Value.  |
|          | RankEqual        | O          | Y                | 'Y' if the rank is equaled, else is not expected.  |



|    |                  |            |                                  |   |
|----|------------------|------------|----------------------------------|---|
|    | SortOrder        | M          | Positive Integer                 | Index based on the Rank to sort the competitor considering equals.          |
|    | Diff             | O          | +mm:sS.F                         | Time behind the leader. 0.0 for the leader.                                 |
| ER |                  | COURSE_TOT | N/A                              | Element Expected: always except while @PhotoFinish is P in Result element   |
|    | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>                     | <b>Description</b>  |
|    | Value            | O          | h:mm:sS.F<br>Or<br>SC@ResultMark | Total course time In case of Relay the Result Mark can be used              |
|    | IRM              | O          | SC@IRM<br>Code                   | Appropriate IRM code if applicable.   |
|    | Rank             | O          | Positive Integer                 | Rank of the competitor based on @Value.                                     |
|    | RankEqual        | O          | Y                                | 'Y' if the rank is equaled, else is not expected.                           |
|    | SortOrder        | M          | Positive Integer                 | Index based on the Rank to sort the competitor considering equals and IRMs. |
|    | Diff             | O          | +mm:sS.F                         | Time behind the leader. 0.0 for the leader.                                 |
| ER |                  | RANGE_TOT  | N/A                              | Element Expected: always  |
|    | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>                     | <b>Description</b>  |
|    | Value            | O          | mm:sS.F<br>SC@ResultMark         | Total range time In case of Relay the Result Mark can be used               |
|    | IRM              | O          | SC@IRM<br>Code                   | Appropriate IRM code if applicable.   |
|    | Rank             | O          | Positive Integer                 | Rank of the competitor based on @Value.                                     |
|    | RankEqual        | O          | Y                                | 'Y' if the rank is equaled, else is not expected.                           |
|    | SortOrder        | M          | Positive Integer                 | Index based on the Rank to sort the competitor considering equals and IRMs. |
|    | Diff             | O          | +mm:sS.F                         | Time behind the leader. 0.0 for the leader.                                 |

**Element: Competition /Result /Competitor (1,1)**

Competitor related to the result of one event unit.

| Attribute    | M/O | Value                       | Description               |
|--------------|-----|-----------------------------|---------------------------|
| Code         | M   | S(20) without leading zeros | Competitor's ID.          |
| Type         | M   | A, T                        | A for athlete, T for team |
| Bib          | O   | S(5)                        | Bib number for the team   |
| Organisation | M   | CC@ORGANISATION<br>Id       | Competitor's organisation |

**Element: Competition /Result /Competitor /Description (0,1)**

Competitors extended information.

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

**Element: Competition /Result /Competitor /Composition /Athlete (0,N)**

| Attribute | M/O | Value                       | Description  |
|-----------|-----|-----------------------------|--------------|
| Code      | M   | S(20) without leading zeros | Athletes ID. |



|       |   |                  |  |
|-------|---|------------------|--|
| Order | M | Positive Integer | 1 in individual events (if Competitor @Type="A"), and athlete starting order (1..n) for teams (if Competitor @Type="T"). |
| Bib   | O | S(5)             | Bib number<br>Numeric for individuals.<br>##0-0 for team members.  |

| Element: Competition /Result /Competitor /Composition /Athlete /Description (1,1) |     |                              |   |
|---|-----|------------------------------|---|
| Attribute   | M/O | Value                        | Description   |
| GivenName   | O   | S(25)                        | Preferred Given Name  |
| FamilyName  | M   | S(25)                        | Preferred Family Name   |
| Gender  | M   | CC@PERSON_GENDER<br>Id       | Gender of the athlete   |
| Organisation  | M   | CC@ORGANISATION<br>Id        | Athletes' organisation  |
| BirthDate   | O   | YYYY-MM-DD                   | Date of Birth, must be included if the data is available  |
| IFId  | O   | S(16)                        | International Federation ID   |
| Class   | O   | CC@DISCIPLINE_CLASS<br>Class | Code to identify the sport class in the case of events with athletes with a disability (e.g: Paralympic Games). |

| Element: Competition /Result /Competitor /Composition /Athlete /Guide (0,N) |     |                             |   |
|---|-----|-----------------------------|---|
| Attribute   | M/O | Value                       | Description                                   |
| GuideID   | M   | S(20) without leading zeros | ID of the athlete's guide.                    |
| Order   | M   | Positive Integer            | Order used to sort the athlete's guide.       |
| GuideFamilyName   | O   | S(25)                       | Preferred Family Name of the athlete's guide. |
| GuideGivenName  | M   | S(25)                       | Preferred Given Name of the athlete's guide.  |

| Element: Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (1,N) |                  |                  |   |
|---|------------------|------------------|---|
| Team member extended result.  |                  |                  |   |
| Type  | Code             | Pos              | Description   |
| PROGRESS  | RANGE            | Positive Integer | Pos Description: 1, N shooting bout<br>Element Expected: only in relay.   |
|   | <b>Attribute</b> | <b>M/O</b>       | <b>Value</b>  |
|   | Value            | O                | mm:sS.F<br>Or<br>SC@ResultMark  |
|   | IRM              | O                | SC@IRM<br>Code  |
|   | Rank             | O                | Positive Integer  |
|   | RankEqual        | O                | Y   |
|   | SortOrder        | M                | Positive Integer  |
|   | Diff             | O                | +mm:sS.F  |
| PROGRESS  | LOOP             | Positive Integer | Pos Description: loop (1, 2, ...n).<br>Element Expected: only in relay except for the last loop while @PhotoFinish is P in Result element |
|   | <b>Attribute</b> | <b>M/O</b>       | <b>Value</b>  |
|   | Value            | O                | mm:sS.F   |



|          |                  |            |                                  |   |
|----------|------------------|------------|----------------------------------|---|
|          |                  |            | Or<br>SC@ResultMark              |   |
|          | IRM              | O          | SC@IRM<br>Code                   | IRM at the intermediate if applicable.  |
|          | Rank             | O          | Positive Integer                 | Rank based on @Value.   |
|          | RankEqual        | O          | Y                                | 'Y' if the rank is equaled, else is not expected.   |
|          | SortOrder        | M          | Positive Integer                 | Index based on the Rank to sort the athlete considering equals and IRMs.  |
|          | Diff             | O          | +mm:sS.F                         | Time behind the leader. 0.0 for the leader.   |
| PROGRESS |                  | COURSE     | Positive Integer                 | Pos Description: loop (1, 2, ...n).<br>Element Expected: only in relay, except for the last loop while @PhotoFinish is P in Result element  |
|          | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>                     | <b>Description</b>  |
|          | Value            | O          | mm:sS.F<br>Or<br>SC@ResultMark   | Course time for this loop or Result Mark  |
|          | IRM              | O          | SC@IRM<br>Code                   | IRM at the intermediate if applicable.  |
|          | Rank             | O          | Positive Integer                 | Rank of the athlete based on @Value.  |
|          | RankEqual        | O          | Y                                | 'Y' if the rank is equaled, else is not expected.   |
|          | SortOrder        | M          | Positive Integer                 | Index based on the Rank to sort the athlete considering equals and IRMs.  |
|          | Diff             | O          | +mm:sS.F                         | Time behind the leader. 0.0 for the leader.   |
| PROGRESS |                  | SECTION    | S(2)                             | Pos Description: intermediate point where the section time is recorded (1, 2...n). This is the overall intermediate, not per leg.<br>Element Expected:<br>when data is available in relays. except for @Pos F while @PhotoFinish is P in Result element |
|          | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>                     | <b>Description</b>  |
|          | Value            | O          | mm:sS.F<br>Or<br>SC@ResultMark   | Time for the section ending at the intermediate point @Pos or Result Mark   |
|          | IRM              | O          | SC@IRM<br>Code                   | IRM at the intermediate if applicable.  |
|          | Rank             | O          | Positive Integer                 | Rank of the athlete in the section  |
|          | RankEqual        | O          | Y                                | 'Y' if the rank is equaled, else is not expected.   |
|          | SortOrder        | M          | Positive Integer                 | Index based on the Rank to sort the athletes considering equals and IRMs.   |
|          | Diff             | O          | +mm:sS.F                         | Time behind the leader. 0.0 for the leader.   |
| ER       |                  | COURSE_TOT | N/A                              | Element Expected: only in relay except while @PhotoFinish is P in Result element  |
|          | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>                     | <b>Description</b>  |
|          | Value            | O          | h:mm:sS.F<br>Or<br>SC@ResultMark | Total course time or Result Mark  |
|          | IRM              | O          | SC@IRM<br>Code                   | IRM at the intermediate if applicable.  |
|          | Rank             | O          | Positive Integer                 | Rank based on @Value.   |



|    |                  |            |                                |  |
|----|------------------|------------|--------------------------------|--|
|    | RankEqual        | O          | Y                              | 'Y' if the rank is equaled, else is not expected.            |
|    | SortOrder        | M          | Positive Integer               | Index based on the Rank to sort considering equals and IRMs. |
|    | Diff             | O          | +h:mm:s.F                      | Time behind the leader. 0.0 for the leader.                  |
| ER |                  | RANGE_TOT  | N/A                            | Element Expected: only in relay                              |
|    | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>                   | <b>Description</b>   |
|    | Value            | O          | mm:sS.F<br>Or<br>SC@ResultMark | Total range time or Result Mark                              |
|    | IRM              | O          | SC@IRM<br>Code                 | Appropriate IRM code if applicable.                          |
|    | Rank             | O          | Positive Integer               | Rank of the athlete based on @Value.                         |
|    | RankEqual        | O          | Y                              | 'Y' if the rank is equaled, else is not expected.            |
|    | SortOrder        | M          | Positive Integer               | Index based on the Rank to sort considering equals and IRMs. |
|    | Diff             | O          | +mm:sS.F                       | Time behind the leader. 0.0 for the leader.                  |

### 2.3.5.6 Message Sort

Sort by Result @SortOrder



## 2.3.6 Current Information

### 2.3.6.1 Description

The message contains latest applicable information when the competition is live.

### 2.3.6.2 Header Values

The following table describes the message header attributes.

| Attribute       | Value                     | Comment   |
|-----------------|---------------------------|---|
| CompetitionCode | CC@COMPETITION_CODE<br>Id | Competition ID  |
| DocumentCode    | CC@EVENT_UNIT<br>Code     | Event Unit RSC  |
| DocumentSubcode | N/A                       | N/A   |
| DocumentType    | DT_CURRENT                | Current message   |
| DocumentSubtype | N/A                       | N/A   |
| Version         | Positive Integer          | Version number (ascending) associated to the message content. |
| ResultStatus    | N/A                       | N/A   |
| FeedFlag        | P, T                      | P – Production / T - Test                                     |
| Date            | Date                      | Refer to ODF header definition                                |
| Time            | Time                      | Refer to ODF header definition                                |
| LogicalDate     | Date                      | Refer to ODF header definition                                |
| Source          | SCGEN@Source<br>Code      | Code indicating the system which generated the message.       |

### 2.3.6.3 Trigger and Frequency

As soon as any competitor enters or leaves the shooting range. In case there are no athletes in the shooting range the message can be sent empty to remove the latest athlete's presence.

### 2.3.6.4 Message Structure

The following table defines the structure of the message.

| Level 1           | Level 2             | Level 3            | Level 4         |
|-------------------|---------------------|--------------------|-----------------|
| Competition (0,1) |                     |                    |                 |
|                   | Gen                 |                    |                 |
|                   | Sport               |                    |                 |
|                   | Codes               |                    |                 |
|                   | ExtendedInfos (0,1) |                    |                 |
|                   |                     | ExtendedInfo (1,N) |                 |
|                   |                     |                    | Type            |
|                   |                     |                    | Code            |
|                   |                     |                    | Pos             |
|                   |                     |                    | Value           |
|                   |                     |                    | Extension (0,N) |
|                   |                     |                    | Code            |





|  |       |
|--|-------|
|  | Pos   |
|  | Value |

### 2.3.6.5 Message Values

| Element: Competition (0,1) |     |       |  |
|----------------------------|-----|-------|--|
| Attribute                  | M/O | Value | Description  |
| Gen                        | M   | S(20) | Version of the General Data Dictionary applicable to the message |
| Sport                      | M   | S(35) | Version of the Sport Data Dictionary applicable to the message   |
| Codes                      | M   | S(20) | Version of the Codes applicable to the message                   |

| Element: Competition /ExtendedInfos /ExtendedInfo (1,N) |   |                  |  |
|---|---|------------------|--|
| Type  | Code  | Pos              | Description  |
| DISPLAY   | CURR_SHOOT  | Positive Integer | Pos Description: shooting bout. In the case of relay, it is the overall bout for the team.<br>Element Expected: for each athlete in the range. |
|   | <b>Attribute</b>  | <b>M/O</b>       | <b>Value</b>   |
|   | Value   | M                | S(20) without leading zeros  |
|   | <b>Sub Element: Competition /ExtendedInfos /ExtendedInfo /Extension</b> |                  |  |
|   | <b>Attribute</b>  | <b>Value</b>     | <b>Description</b>   |
|   | Code  | LANE             |  |
|   | Pos   | N/A              |  |
|   | Value   | Positive Integer | Shooting Range Lane  |

#### Sample (Biathlon)

```
<ExtendedInfos>
  <ExtendedInfo Type="DISPLAY" Code="CURR_SHOOT" Pos="1" Value="1234562" >
    <Extension Code="LANE" Value="12" />
  </ExtendedInfo>
  <ExtendedInfo Type="DISPLAY" Code="CURR_SHOOT" Pos="1" Value="1234563" >
    <Extension Code="LANE" Value="5" />
  </ExtendedInfo>
  <ExtendedInfo Type="DISPLAY" Code="CURR_SHOOT" Pos="1" Value="1234564" >
    <Extension Code="LANE" Value="2" />
  </ExtendedInfo>
</ExtendedInfos>
```

### 2.3.6.6 Message Sort

Not applicable.



## 2.3.7 Image

### 2.3.7.1 Description

The message contains an image in jpg or png format encapsulated in an XML message.

The message can contain the Course Map image or any available photofinish image. Each message contains only one photofinish picture.

Multiple messages may be sent for the same DocumentCode (Event Unit RSC) when more than one photofinish cases/photo occur in the same race depending on the circumstances of the unit/race.

### 2.3.7.2 Header Values

The following table describes the message header attributes.

| Attribute       | Value                                     | Comment   |
|-----------------|---|---|
| CompetitionCode | CC@COMPETITION_CODE<br>Id                 | Competition ID  |
| DocumentCode    | CC@EVENT_UNIT<br>Code<br>CC@EVENT<br>Code | Event Unit RSC in the case of PHOTOFINISH<br>Event RSC in the case of COURSEMAP   |
| DocumentSubcode | Positive Integer<br>N/A                   | Picture number<br>If there is only one image related to the DocumentCode then the value 1 is sent.<br>2, 3 etc. are used if additional images (ranks to be resolved) are sent for the same DocumentCode.<br>Not applicable for DocumentSubtype COURSEMAP. |
| DocumentType    | DT_IMAGE                                  | Image message   |
| DocumentSubtype | PHOTOFINISH<br>COURSEMAP                  | Document Subtype  |
| Version         | Positive Integer                          | Version number (ascending) associated to the message content.   |
| ResultStatus    | CC@RESULTSTATUS<br>Code<br>N/A            | Expected status is:<br>OFFICIAL<br>Not applicable for DocumentSubtype COURSEMAP.  |
| FeedFlag        | P, T                                      | P – Production / T - Test   |
| Date            | Date                                      | Refer to ODF header definition  |
| Time            | Time                                      | Refer to ODF header definition  |
| LogicalDate     | Date                                      | Refer to ODF header definition  |
| Source          | SCGEN@Source<br>Code                      | Code indicating the system which generated the message.   |

### 2.3.7.3 Trigger and Frequency

Trigger when image available and after any change.

### 2.3.7.4 Message Structure

The following table defines the structure of the message.

| Level 1           | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 | Level 7 | Level 8 |
|-------------------|---------|---------|---------|---------|---------|---------|---------|
| Competition (0,1) |         |         |         |         |         |         |         |
|                   | Gen     |         |         |         |         |         |         |
|                   | Sport   |         |         |         |         |         |         |
|                   | Codes   |         |         |         |         |         |         |



|                   |  |
|-------------------|--|
| Image (1,N)       |  |
| Pos               |  |
| Version           |  |
| Revision          |  |
| ImageType         |  |
| Result (0,N)      |  |
| Result            |  |
| Rank              |  |
| StartOrder        |  |
| SortOrder         |  |
| ResultType        |  |
| IRM               |  |
| Competitor (1,1)  |  |
| Code              |  |
| Type              |  |
| Organisation      |  |
| Description (0,1) |  |
| TeamName          |  |
| Composition (0,1) |  |
| Athlete (1,N)     |  |
| Code              |  |
| Order             |  |
| Bib               |  |
| Description (1,1) |  |
| GivenName         |  |
| FamilyName        |  |
| ImageData (1,1)   |  |
| -                 |  |

### 2.3.7.5 Message Values

| Element: Competition (0,1) |     |       |  |
|----------------------------|-----|-------|--|
| Attribute                  | M/O | Value | Description  |
| Gen                        | M   | S(20) | Version of the General Data Dictionary applicable to the message |
| Sport                      | M   | S(35) | Version of the Sport Data Dictionary applicable to the message   |
| Codes                      | M   | S(20) | Version of the Codes applicable to the message                   |

| Element: Competition /Image (1,N) |     |                  |                  |
|-----------------------------------|-----|------------------|------------------|
| Always only one image per message |     |                  |                  |
| Attribute                         | M/O | Value            | Description      |
| Pos                               | M   | 1                | Always 1         |
| Version                           | M   | Positive Integer | Document Version |



|           |   |          |                      |
|-----------|---|----------|----------------------|
| Revision  | M | #0       | Document Revision    |
| ImageType | M | jpg, png | Image type extension |

**Element: Competition /Image /Result (0,N)**

Expected only if DocumentSubtype is PHOTOFINISH, only include the information of those competitors in the image

| Attribute  | M/O | Value                              | Description   |
|------------|-----|------------------------------------|---|
| Result     | O   | h:mm:ss.F<br>SC@ResultMark<br>Code | Result of the competitor  |
| Rank       | O   | Positive Integer                   | Rank of the competitor  |
| StartOrder | O   | Positive Integer                   | Start or lane position<br>This value is expected if it is included in DT_RESULT       |
| SortOrder  | M   | Positive Integer                   | This attribute is a sequential number with the order of the competitors in the image. |
| ResultType | O   | SC@ResultType<br>Code              | Result Type as appropriate  |
| IRM        | O   | SC@IRM<br>Code                     | IRM in case @ResultType is IRM  |

**Element: Competition /Image /Result /Competitor (1,1)**

| Attribute    | M/O | Value                       | Description                          |
|--------------|-----|-----------------------------|--------------------------------------|
| Code         | M   | S(20) without leading zeros | Competitor's ID (Team or individual) |
| Type         | M   | A, T                        | A for athlete or T for team.         |
| Organisation | M   | CC@ORGANISATION<br>Id       | 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 (1,N)**

Only sent in the case of individual events. Team members are not sent in team events.

| Attribute | M/O | Value                       | Description   |
|-----------|-----|-----------------------------|---------------|
| Code      | M   | S(20) without leading zeros | Athlete's ID. |
| Order     | M   | 1                           | Value is 1    |
| Bib       | M   | S(5)                        | Bib           |

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

| Attribute  | M/O | Value | Description           |
|------------|-----|-------|-----------------------|
| GivenName  | O   | S(25) | Preferred Given name  |
| FamilyName | M   | S(25) | Preferred Family 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. |

### Sample (Photofinish)

```
<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>
```

### 2.3.7.6 Message Sort

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



## 2.3.8 Event Final Ranking

### 2.3.8.1 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.

Depending on the sport rules include all competitors in the competition as all can be ranked (as in Marathon) or only include those with a final ranking as other are unranked (as in tennis).

### 2.3.8.2 Header Values

The following table describes the message header attributes.

| Attribute       | Value                     | Comment   |
|-----------------|---------------------------|---|
| CompetitionCode | CC@COMPETITION_CODE<br>Id | Competition ID  |
| DocumentCode    | CC@EVENT<br>Code          | Event RSC   |
| DocumentSubcode | N/A                       | N/A   |
| DocumentType    | DT_RANKING                | Event Final ranking message                                   |
| DocumentSubtype | N/A                       | N/A   |
| Version         | Positive Integer          | Version number (ascending) associated to the message content. |
| ResultStatus    | CC@RESULTSTATUS<br>Code   | Expected statuses are:<br>OFFICIAL<br>PROVISIONAL             |
| FeedFlag        | P, T                      | P – Production / T - Test                                     |
| Date            | Date                      | Refer to ODF header definition                                |
| Time            | Time                      | Refer to ODF header definition                                |
| LogicalDate     | Date                      | Refer to ODF header definition                                |
| Source          | SCGEN@Source<br>Code      | Code indicating the system which generated the message.       |

### 2.3.8.3 Trigger and Frequency

The message is expected only at the end of the event with ResultStatus OFFICIAL and in case of any change. ResultStatus PROVISIONAL is expected if there is pending decision by IOC, CAS, IF.

### 2.3.8.4 Message Structure

The following table defines the structure of the message.

| Level 1           | Level 2             | Level 3 | Level 4 | Level 5 | Level 6 | Level 7 |
|-------------------|---------------------|---------|---------|---------|---------|---------|
| Competition (0,1) |                     |         |         |         |         |         |
|                   | Gen                 |         |         |         |         |         |
|                   | Sport               |         |         |         |         |         |
|                   | Codes               |         |         |         |         |         |
|                   | ExtendedInfos (0,1) |         |         |         |         |         |



|              |  |                        |  |
|--------------|--|------------------------|--|
|              |  | SportDescription (0,1) |  |
|              |  | DisciplineName         |  |
|              |  | EventName              |  |
|              |  | Gender                 |  |
| Result (1,N) |  |                        |  |
|              |  | Rank                   |  |
|              |  | RankEqual              |  |
|              |  | ResultType             |  |
|              |  | Result                 |  |
|              |  | Diff                   |  |
|              |  | IRM                    |  |
|              |  | SortOrder              |  |
|              |  | Competitor (1,1)       |  |
|              |  | Code                   |  |
|              |  | Type                   |  |
|              |  | Organisation           |  |
|              |  | Bib                    |  |
|              |  | Description (0,1)      |  |
|              |  | TeamName               |  |
|              |  | Composition (1,1)      |  |
|              |  | Athlete (0,N)          |  |
|              |  | Code                   |  |
|              |  | Order                  |  |
|              |  | Bib                    |  |
|              |  | Description (1,1)      |  |
|              |  | GivenName              |  |
|              |  | FamilyName             |  |
|              |  | Gender                 |  |
|              |  | Organisation           |  |
|              |  | BirthDate              |  |
|              |  | IFId                   |  |
|              |  | Class                  |  |
|              |  | Guide(0,N)             |  |
|              |  | GuideID                |  |
|              |  | Order                  |  |
|              |  | GuideFamilyName        |  |
|              |  | GuideGivenName         |  |

### 2.3.8.5 Message Values

Element: Competition (0,1)



| Attribute | M/O | Value | Description  |
|-----------|-----|-------|--|
| Gen       | M   | S(20) | Version of the General Data Dictionary applicable to the message |
| Sport     | M   | S(35) | Version of the Sport Data Dictionary applicable to the message   |
| Codes     | M   | S(20) | Version of the Codes applicable to the message                   |

| Element: Competition /ExtendedInfos /SportDescription (0,1) |     |                                  |                                 |
|---|-----|----------------------------------|---------------------------------|
| Attribute   | M/O | Value                            | Description                     |
| DisciplineName  | M   | CC@DISCIPLINE<br>ENG Description | Discipline ENG Description      |
| EventName   | M   | CC@EVENT<br>ENG Description      | Event ENG Description           |
| Gender  | M   | CC@DISCIPLINE_GENDER<br>Gender   | Gender code for the event unit. |

| Element: Competition /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   | Positive Integer                   | Final rank of the competitor in the corresponding event.  |
| RankEqual  | O   | Y                                  | Y in case of the Rank has been equaled  |
| ResultType   | M   | SC@ResultType<br>Code              | Result type, for the corresponding event, mandatory if Result or IRM is included.   |
| Result   | O   | h:mm:sS.F<br>SC@ResultMark<br>Code | Result of the competitor<br><br>In relay events, LAP is an RM and is sent @Result if @ResultType is TIME.<br>In individual events, LAP is an IRM and is sent @IRM if @ResultType is IRM.                                      |
| Diff   | O   | +h:mm:sS:F                         | Time behind the leader when available in relay and individual events.<br>0.0 for the leader.  |
| IRM  | O   | SC@IRM<br>Code                     | Invalid result mark, if applicable.   |
| SortOrder  | M   | Positive Integer                   | This attribute is a sequential number with the order of the results for the 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: Competition /Result /Competitor (1,1) |     |   |  |
|--|-----|---|--|
| Attribute                                      | M/O | Value   | Description  |
| Code   | M   | S(20) without leading zeros<br>SC@CompetitorPlace<br>Code | Participant's ID.<br>"NO_AWARD" in the case where there is no competitor in the rank due to IRM. |
| Type   | M   | A, T  | A for athlete, T for team  |
| Organisation                                   | O   | CC@ORGANISATION<br>Id                                     | Competitor's organisation if known   |
| Bib  | O   | S(5)  | Team bib number  |

| Element: Competition /Result /Competitor /Description (0,1) |  |  |  |
|---|--|--|--|
|---|--|--|--|





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

| Element: Competition /Result /Competitor /Composition /Athlete (0,N) |     |                             |   |
|--|-----|-----------------------------|---|
| Attribute  | M/O | Value                       | Description   |
| Code   | M   | S(20) without leading zeros | Athlete's ID, corresponding to an individual athlete or a team member.                                      |
| Order  | M   | Positive Integer            | Order attribute used to sort team members in a team (if Competitor @Type="T") or 1 if Competitor @Type="A". |
| Bib  | O   | S(5)                        | Athlete Bib   |

| Element: Competition /Result /Competitor /Composition /Athlete /Description (1,1) |     |                              |   |
|---|-----|------------------------------|---|
| Attribute   | M/O | Value                        | Description   |
| GivenName   | O   | S(25)                        | Preferred Given Name  |
| FamilyName  | M   | S(25)                        | Preferred Family Name   |
| Gender  | M   | CC@PERSON_GENDER<br>Id       | Gender of the athlete   |
| Organisation  | M   | CC@ORGANISATION<br>Id        | Athletes' organisation  |
| BirthDate   | O   | YYYY-MM-DD                   | Date of Birth, must be included if the data is available  |
| IFId  | O   | S(16)                        | International Federation ID   |
| Class   | O   | CC@DISCIPLINE_CLASS<br>Class | Code to identify the sport class in the case of events with athletes with a disability (e.g: Paralympic Games). |

| Element: Competition /Result /Competitor /Composition /Athlete /Guide (0,N) |     |                             |   |
|---|-----|-----------------------------|---|
| Attribute   | M/O | Value                       | Description                                   |
| GuideID   | M   | S(20) without leading zeros | ID of the athlete's guide.                    |
| Order   | M   | Positive Integer            | Order used to sort the athlete's guide.       |
| GuideFamilyName   | O   | S(25)                       | Preferred Family Name of the athlete's guide. |
| GuideGivenName  | M   | S(25)                       | Preferred Given Name of the athlete's guide.  |

### Sample (Final Ranking)



```
<Result Rank="1" SortOrder="1" StartOrder="1" Diff="0.0" Result="1:13:33.6" ResultType="TIME">
  <Competitor Code="BTHM4X7.5KMFRA01" Type="T" Bib="1" Organisation="FRA">
    <Description TeamName="France"/>
    <Composition>
      <Athlete Code="7520351" Order="1" Bib="1-1">
        <Description GivenName="Fabien" FamilyName="CLAUDE" Gender="M" BirthDate="1994-12-
21" IFId="BTFRA12212199401" Organisation="FRA"/>
      </Athlete>
      <Athlete Code="7520352" Order="2" Bib="1-2">
        <Description GivenName="Quentin" FamilyName="FILLON MAILLET" Gender="M" BirthDate="1992-08-
16" IFId="BTFRA11608199201" Organisation="FRA"/>
      </Athlete>
      <Athlete Code="7520355" Order="3" Bib="1-3">
        <Description GivenName="Eric" FamilyName="PERROT" Gender="M" BirthDate="2001-06-
28" IFId="BTFRA12906200101" Organisation="FRA"/>
      </Athlete>
      <Athlete Code="7520354" Order="4" Bib="1-4">
        <Description GivenName="Emilien" FamilyName="JACQUELIN" Gender="M" BirthDate="1995-07-
10" IFId="BTFRA11107199501" Organisation="FRA"/>
      </Athlete>
    </Composition>
  </Competitor>
```

### 2.3.8.6 Message Sort

Sort by Result @SortOrder



## 2.3.9 Configuration

### 2.3.9.1 Description

The configuration is a message containing general parameters.

### 2.3.9.2 Header Values

The following table describes the message header attributes.

| Attribute       | Value                     | Comment   |
|-----------------|---------------------------|---|
| CompetitionCode | CC@COMPETITION_CODE<br>Id | Competition ID  |
| DocumentCode    | CC@EVENT_UNIT<br>Code     | Event Unit RSC  |
| DocumentSubcode | N/A                       | N/A   |
| DocumentType    | DT_CONFIG                 | Configuration message   |
| DocumentSubtype | N/A                       | N/A   |
| Version         | Positive Integer          | Version number (ascending) associated to the message content. |
| ResultStatus    | N/A                       | N/A   |
| FeedFlag        | P, T                      | P – Production / T - Test                                     |
| Date            | Date                      | Refer to ODF header definition                                |
| Time            | Time                      | Refer to ODF header definition                                |
| LogicalDate     | Date                      | Refer to ODF header definition                                |
| Source          | SCGEN@Source<br>Code      | Code indicating the system which generated the message.       |

### 2.3.9.3 Trigger and Frequency

The message is sent prior to any ODF results message and in case of any change. Generally the configuration must be provided before the start list of the event unit. If a DT\_CONFIG message is sent after a DT\_RESULT then a new version of DT\_RESULT must be sent immediately.

### 2.3.9.4 Message Structure

The following table defines the structure of the message.

| Level 1                  | Level 2       | Level 3      | Level 4              | Level 5 | Level 6 |
|--------------------------|---------------|--------------|----------------------|---------|---------|
| <u>Competition (0,1)</u> |               |              |                      |         |         |
|                          | Gen           |              |                      |         |         |
|                          | Sport         |              |                      |         |         |
|                          | Codes         |              |                      |         |         |
|                          | Configs (1,1) |              |                      |         |         |
|                          |               | Config (1,N) |                      |         |         |
|                          |               |              | Unit                 |         |         |
|                          |               |              | ExtendedConfig (1,N) |         |         |
|                          |               |              |                      | Type    |         |
|                          |               |              |                      | Code    |         |
|                          |               |              |                      | Pos     |         |
|                          |               |              |                      | Value   |         |



|  |  |                          |
|--|--|--------------------------|
|  |  | ExtendedConfigItem (0,N) |
|  |  | Code                     |
|  |  | Pos                      |
|  |  | Value                    |

### 2.3.9.5 Message Values

| Element: Competition (0,1) |     |       |  |
|----------------------------|-----|-------|--|
| Attribute                  | M/O | Value | Description  |
| Gen                        | M   | S(20) | Version of the General Data Dictionary applicable to the message |
| Sport                      | M   | S(35) | Version of the Sport Data Dictionary applicable to the message   |
| Codes                      | M   | S(20) | Version of the Codes applicable to the message                   |

| Element: Competition /Configs /Config (1,N) |     |                       |                |
|---|-----|-----------------------|----------------|
| Attribute                                   | M/O | Value                 | Description    |
| Unit  | M   | CC@EVENT_UNIT<br>Code | Event Unit RSC |

| Element: Competition /Configs /Config /ExtendedConfig (1,N) |                  |            |  |   |
|---|------------------|------------|--|---|
| Type  | Code             | Pos        | Description  |   |
| COURSE  | NAME             | 1, 2, N/A  | Pos Description: @Pos is expected only in case of multiple courses. If there is more than one course in the race send 1 for the first course and 2 for the second.<br>Element Expected: if available |   |
|   | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>   | <b>Description</b>  |
|   | Value            | M          | S(25)  | Name of the course in English   |
| COURSE  | ALTITUDE         | N/A        | Element Expected: always   |   |
|   | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>   | <b>Description</b>  |
|   | Value            | M          | ###0   | Altitude of the stadium (start/finish) in meters  |
| COURSE  | HEIGHT_DIFF      | 1, 2, N/A  | Pos Description: @Pos is expected only in case of multiple courses. If there is more than one course in the race send 1 for the first course and 2 for the second.<br>Element Expected: always       |   |
|   | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>   | <b>Description</b>  |
|   | Value            | M          | ##0  | Total height difference between the lowest and the highest point of the course in meters. |
| COURSE  | LENGTH           | 1, 2, N/A  | Pos Description: @Pos is expected only in case of multiple courses. If there is more than one course in the race send 1 for the first course and 2 for the second.<br>Element Expected: always.      |   |
|   | <b>Attribute</b> | <b>M/O</b> | <b>Value</b>   | <b>Description</b>  |
|   | Value            | M          | #####0   | Total length of the course in meters.   |
| COURSE  | CLIMB            | 1, 2, N/A  | Pos Description: @Pos is expected only in case of multiple courses. If there is more than one course in the race send 1 for the first course and 2 for the second.                                   |   |



|   |                   |  |   | Element Expected: always |
|---|-------------------|--|---|--------------------------|
| Attribute   | M/O               | Value  | Description   |                          |
| Value   | M                 | ###0   | Total Climb of the course in meters.  |                          |
| <b>Sub Element: Competition /Configs /Config /ExtendedConfig /ExtendedConfigItem Expected Always</b>          |                   |  |   |                          |
| Attribute   | Value             | Description  |   |                          |
| Code  | MAX               |  |   |                          |
| Pos   | N/A               |  |   |                          |
| Value   | ###0              | Maximum Climb of the course in meters.   |   |                          |
| EC  | SHOOT_LANE        | N/A  | Element Expected: always  |                          |
| Attribute   | M/O               | Value  | Description   |                          |
| Value   | M                 | Positive Integer   | Number of shooting lanes in the range   |                          |
| EC  | SHOOT             | Positive Integer   | Pos Description: shooting bout number<br>Element Expected: always   |                          |
| Attribute   | M/O               | Value  | Description   |                          |
| Value   | M                 | SC@ShootType Code  | Shoot type (P=Prone, S=Standing for Olympic Events and S1, S2, S3 and S4 for Paralympic Events).  |                          |
| EC  | INTERMEDIATES_NUM | N/A  | Element Expected: always  |                          |
| Attribute   | M/O               | Value  | Description   |                          |
| Value   | M                 | Positive Integer   | Total number of intermediate points where the time is recorded including F.   |                          |
| EC  | INTERMEDIATE      | S(2)   | Pos Description: intermediate point ID: S for start, 1, N for intermediates along the course, F for finish point.<br>Element Expected: for each ITP |                          |
| Attribute   | M/O               | Value  | Description   |                          |
| Value   | M                 | #0.0   | Distance of the intermediate from the start in km.  |                          |
| <b>Sub Element: Competition /Configs /Config /ExtendedConfig /ExtendedConfigItem Expected for relays only</b> |                   |  |   |                          |
| Attribute   | Value             | Description  |   |                          |
| Code  | LEG               |  |   |                          |
| Pos   | SC@Leg Code       | Leg number   |   |                          |
| Value   | S(2)              | Intermediate points within the leg 1, F.<br>If Pos = 2 and Value=F then it is the start point for leg 3 and the end point for leg 2. |   |                          |
| <b>Sub Element: Competition /Configs /Config /ExtendedConfig /ExtendedConfigItem Expected If applicable</b>   |                   |  |   |                          |
| Attribute   | Value             | Description  |   |                          |
| Code  | LOOP              |  |   |                          |
| Pos   | N/A               |  |   |                          |
| Value   | Positive Integer  | Loop number  |   |                          |
| <b>Sub Element: Competition /Configs /Config /ExtendedConfig /ExtendedConfigItem Expected always</b>          |                   |  |   |                          |
| Attribute   | Value             | Description  |   |                          |
| Code  | SHOOT_COMP        |  |   |                          |



|  |                  |                       |   |  |
|--|------------------|-----------------------|---|--|
|  | Pos              | N/A                   |   |  |
|  | Value            | #0                    | 0,N number of shooting bouts completed at this intermediate point.  |  |
| <b>Sub Element: Competition /Configs /Config /ExtendedConfig /ExtendedConfigItem</b>   |                  |                       |   |  |
|  | <b>Attribute</b> | <b>Value</b>          | <b>Description</b>  |  |
|  | Code             | SHOOT_START           |   |  |
|  | Pos              | N/A                   |   |  |
|  | Value            | SC@ShootStart<br>Code | Shooting bout number, only if this intermediate point is immediately before the shooting range.                         |  |
| <b>Sub Element: Competition /Configs /Config /ExtendedConfig /ExtendedConfigItem</b>   |                  |                       |   |  |
|  | <b>Attribute</b> | <b>Value</b>          | <b>Description</b>  |  |
|  | Code             | SHOOT_END             |   |  |
|  | Pos              | N/A                   |   |  |
|  | Value            | SC@ShootEnd<br>Code   | Shooting bout number, only if this intermediate point is immediately after the shooting range (after the penalty loop). |  |
| EC   |                  | LOOP                  | Positive Integer  | Pos Description: loop number<br>Element Expected: always       |
|  | <b>Attribute</b> | <b>M/O</b>            | <b>Value</b>  | <b>Description</b>   |
|  | Value            | M                     | ###0  | Length of the loop in meters.                                  |
| <b>Sub Element: Competition /Configs /Config /ExtendedConfig /ExtendedConfigItem<br/>Expected for Olympics only, not applicable to Paralympics</b> |                  |                       |   |  |
|  | <b>Attribute</b> | <b>Value</b>          | <b>Description</b>  |  |
|  | Code             | COLOUR                |   |  |
|  | Pos              | N/A                   |   |  |
|  | Value            | SC@Colour<br>Code     | Colour label of the loop.   |  |
| <b>Sub Element: Competition /Configs /Config /ExtendedConfig /ExtendedConfigItem<br/>Expected If applicable</b>                                    |                  |                       |   |  |
|  | <b>Attribute</b> | <b>Value</b>          | <b>Description</b>  |  |
|  | Code             | SHOOT                 |   |  |
|  | Pos              | N/A                   |   |  |
|  | Value            | Positive Integer      | Shoot bout for this loop.   |  |
| EC   |                  | LEG                   | Positive Integer  | Pos Description: leg number.<br>Element Expected: relays only. |
|  | <b>Attribute</b> | <b>M/O</b>            | <b>Value</b>  | <b>Description</b>   |
|  | Value            | M                     | #0.0  | Distance from the start in km to the end of the leg.           |
| <b>Sub Element: Competition /Configs /Config /ExtendedConfig /ExtendedConfigItem<br/>Expected relay events</b>                                     |                  |                       |   |  |
|  | <b>Attribute</b> | <b>Value</b>          | <b>Description</b>  |  |
|  | Code             | INTERMEDIATE          |   |  |
|  | Pos              | S(2)                  | Intermediate point ID in each leg, 1, F.  |  |
|  | Value            | #0.0                  | Distance from the start of the leg in km for the intermediate.  |  |
| EC   |                  | LEGS_NUM              | N/A   | Element Expected: relay events                                 |
|  | <b>Attribute</b> | <b>M/O</b>            | <b>Value</b>  | <b>Description</b>   |
|  | Value            | M                     | Positive Integer  | Total number legs  |



### Sample (Individual)

```
<Config Unit="BTHM10KMSP-----FNL-0001----">
  <ExtendedConfig Type="COURSE" Code="NAME" Value="blue 3388m + blue 3388m + blue 3388m" />
  <ExtendedConfig Type="COURSE" Code="ALTITUDE" Value="127" />
  <ExtendedConfig Type="COURSE" Code="HEIGHT_DIFF" Value="57" />
  <ExtendedConfig Type="COURSE" Code="LENGTH" Value="10164" />
  <ExtendedConfig Type="COURSE" Code="CLIMB" Value="284" >
    <ExtendedConfigItem Code="MAX" Value="56" />
  </ExtendedConfig>
  <ExtendedConfig Type="EC" Code="SHOOTING" Pos="1" Value="P" />
  <ExtendedConfig Type="EC" Code="SHOOTING" Pos="2" Value="S" />
  <ExtendedConfig Type="EC" Code="INTERMEDIATES_NUM" Value="8" />
  <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="1" Value="1.8" >
    <ExtendedConfigItem Code="SHOOT_COMP" Value="0" />
    <ExtendedConfigItem Code="LOOP" Value="1" />
  </ExtendedConfig>
  <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="2" Value="3.3" >
    <ExtendedConfigItem Code="SHOOT_START" Value="1" />
    <ExtendedConfigItem Code="SHOOT_COMP" Value="0" />
    <ExtendedConfigItem Code="LOOP" Value="1" />
  </ExtendedConfig>
  <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="3" Value="3.4" >
    <ExtendedConfigItem Code="SHOOT_END" Value="1" />
    <ExtendedConfigItem Code="SHOOT_COMP" Value="1" />
    <ExtendedConfigItem Code="LOOP" Value="1" />
  </ExtendedConfig>
  <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="F" Value="10.0" >
    <ExtendedConfigItem Code="SHOOT_COMP" Value="2" />
    <ExtendedConfigItem Code="LOOP" Value="3" />
  </ExtendedConfig>
</Config>
```

#### 2.3.9.6 Message Sort

There is no general message sorting rule.



## 2.3.10 Weather conditions

### 2.3.10.1 Description

The Weather Conditions is a message containing the current weather conditions in the venue.

### 2.3.10.2 Header Values

The following table describes the message header attributes.

| Attribute       | Value                     | Comment   |
|-----------------|---------------------------|---|
| CompetitionCode | CC@COMPETITION_CODE<br>Id | Competition ID  |
| DocumentCode    | CC@DISCIPLINE<br>Code     | Discipline RSC  |
| DocumentSubcode | CC@LOCATION<br>Id         | Location ID   |
| DocumentType    | DT_WEATHER                | Weather conditions in the venue or location                   |
| DocumentSubtype | N/A                       | N/A   |
| Version         | Positive Integer          | Version number (ascending) associated to the message content. |
| ResultStatus    | N/A                       | N/A   |
| FeedFlag        | P, T                      | P – Production / T - Test                                     |
| Date            | Date                      | Refer to ODF header definition                                |
| Time            | Time                      | Refer to ODF header definition                                |
| LogicalDate     | Date                      | Refer to ODF header definition                                |
| Source          | SCGEN@Source<br>Code      | Code indicating the system which generated the message.       |

### 2.3.10.3 Trigger and Frequency

The message is sent for each session: 60 minutes before the start of the session and then every 30 minutes until the end of the session.

### 2.3.10.4 Message Structure

The following table defines the structure of the message.

| Level 1           | Level 2       | Level 3          | Level 4        | Level 5 |
|-------------------|---------------|------------------|----------------|---------|
| Competition (0,1) |               |                  |                |         |
|                   | Gen           |                  |                |         |
|                   | Sport         |                  |                |         |
|                   | Codes         |                  |                |         |
|                   | Weather (1,1) |                  |                |         |
|                   |               | Date             |                |         |
|                   |               | Conditions (1,N) |                |         |
|                   |               |                  | Code           |         |
|                   |               |                  | Humidity       |         |
|                   |               |                  | Wind_Direction |         |
|                   |               |                  | Prec_Type      |         |





|  |                   |       |
|--|-------------------|-------|
|  | Condition (0,3)   |       |
|  |                   | Code  |
|  |                   | Value |
|  | Temperature (0,N) |       |
|  |                   | Code  |
|  |                   | Unit  |
|  |                   | Value |
|  | Wind (0,N)        |       |
|  |                   | Code  |
|  |                   | Unit  |
|  |                   | Value |
|  |                   | Type  |

### 2.3.10.5 Message Values

| Element: Competition (0,1) |     |       |  |
|----------------------------|-----|-------|--|
| Attribute                  | M/O | Value | Description  |
| Gen                        | M   | S(20) | Version of the General Data Dictionary applicable to the message |
| Sport                      | M   | S(35) | Version of the Sport Data Dictionary applicable to the message   |
| Codes                      | M   | S(20) | Version of the Codes applicable to the message                   |

| Element: Competition /Weather (1,1) |     |          |                             |
|-------------------------------------|-----|----------|-----------------------------|
| Attribute                           | M/O | Value    | Description                 |
| Date                                | M   | DateTime | Date/time of the conditions |

| Element: Competition /Weather /Conditions (1,N) |     |                      |   |
|---|-----|----------------------|---|
| Attribute                                       | M/O | Value                | Description                                 |
| Code  | M   | SC@WeatherPoint Code | Weather point. <b>send STADIUM, COLDEST</b> |
| Humidity  | O   | ##0                  | Humidity in %                               |
| Wind_Direction                                  | O   | CC@WIND_DIRECTION Id | Wind direction                              |
| Prec_Type                                       | O   | SCGEN@PrecType Code  | Precipitation type (if applicable)          |

| Element: Competition /Weather /Conditions /Condition (0,3) |     |   |  |
|--|-----|---|--|
| Attribute  | M/O | Value   | Description  |
| Code   | M   | SKY, SNOW                                     | Weather condition type   |
| Value  | M   | CC@WEATHER_COND_SNOW Id<br>CC@WEATHER_COND Id | Use CC @WEATHER_COND_SNOW for SNOW<br>Use CC @WEATHER_COND for SKY |

| Element: Competition /Weather /Conditions /Temperature (0,N) |  |  |  |
|--|--|--|--|
|--|--|--|--|



| Attribute | M/O | Value                         | Description                                 |
|-----------|-----|-------------------------------|---|
| Code      | M   | AIR, SNOW                     | Temperature type                            |
| Unit      | M   | SCGEN@TemperatureUnit<br>Code | Unit for temperature Celsius and Fahrenheit |
| Value     | M   | [-]#0.0                       | Temperature of the @Code.                   |

| Element: Competition /Weather /Conditions /Wind (0,N) |     |                             |   |
|---|-----|-----------------------------|---|
| Attribute   | M/O | Value                       | Description   |
| Code  | M   | SPEED                       | Wind Speed  |
| Unit  | M   | SCGEN@WindUnit<br>Code      | Unit for Wind. <b>Use MS</b>  |
| Value   | M   | ##0<br>##0.0                | Wind speed in @Unit<br>##0 in KMH and MPH<br>##0.0 in MS              |
| Type  | O   | SCGEN@WindSpeedType<br>Code | Average, Maximum and Min wind speed to calculate the wind speed range |

### Sample (Weather)

```
<Weather Date="2006-02-06T13:00:00+01:00" >
  <Conditions Code="GEN" Humidity="37" Wind_Direction="VR">
    <Condition Code="SKY" Value="pc" />
    <Condition Code="SNOW" Value="hrd" />
    <Temperature Code="AIR" Unit="C" Value="8.8" />
    <Temperature Code="AIR" Unit="F" Value="47.8" />
    <Temperature Code="SNOW" Unit="C" Value="0.3" />
    <Temperature Code="SNOW" Unit="F" Value="32.5" />
    <Wind Code="SPEED" Unit="KMH" Value="50" />
    <Wind Code="SPEED" Unit="MPH" Value="20" />
    <Wind Code="SPEED" Unit="MS" Value="0.7" />
  </Conditions>
</Weather>
```

### 2.3.10.6 Message Sort

There is no special sort order requirement for this message.



### 3 Message Timeline

#### 3.1 Preparation Phase

| Trigger                                      | Message     | Status | D | E | P | S | U |
|--|-------------|--------|---|---|---|---|---|
| As soon as ODF operations start              | DT_CODES    |        | o | o | o |   | o |
| Periodically as soon as ODF operations start | DT_PARTIC   |        | x |   |   |   |   |
|  | DT_SCHEDULE |        | x |   |   |   | o |

#### 3.2 Before competition

| Trigger   | Message                             | Status     | D | E | P | S | U |
|---|-------------------------------------|------------|---|---|---|---|---|
| After Initial Download - as soon as Participant verification process finishes (C38/C39 process) or after any other change in participant's data | DT_PARTIC_UPDATE                    |            | x |   |   |   |   |
| If there are changes in officials data  | DT_PDF C35 Competition Officials    |            | x |   |   |   |   |
| After Initial Download - when OVR becomes owner of data   | DT_PDF C32A Entry List by NOC       |            | x |   |   |   |   |
|   | DT_PDF C30 Number of Entries by NOC |            | x |   |   |   |   |
| After Initial Download - after any competition schedule change  | DT_SCHEDULE_UPDATE                  |            | x |   |   |   | o |
| After Initial Download - when OVR becomes owner of data   | DT_IMAGE (Course Map)               |            |   | x |   |   |   |
|   | DT_PARTIC_UPDATE                    |            | x |   |   |   |   |
| After the Draw/Team Captain's Meeting   | DT_PARTIC_TEAM_UPDATE               |            | x |   |   |   |   |
|   | DT_ENTRIES                          |            |   | x |   |   |   |
|   | DT_PDF C45CX                        |            |   |   |   |   | x |
|   | DT_CONFIG                           |            |   |   |   |   | x |
|   | DT_RESULT                           | START_LIST |   |   |   |   | x |
|   | DT_PDF C51X Start List              |            |   |   |   |   | x |
|   | DT_PDF C52X Start List Summary      |            |   |   |   |   | x |

#### 3.3 During competition

| Trigger   | Message            | Status        | D | E | P | S | U |
|---|--------------------|---------------|---|---|---|---|---|
| At scheduled start time (0')                      | DT_SCHEDULE_UPDATE | GETTING_READY | x |   |   |   | o |
| When competition starts                           | DT_SCHEDULE_UPDATE | RUNNING       | x |   |   |   | o |
| When the unit starts and after every update (lap) | DT_RESULT          | LIVE          |   |   |   |   | x |
|   | DT_RESULT_ANALYSIS | LIVE          |   |   |   |   | x |
|   | DT_CURRENT         |               |   |   |   |   | x |



### 3.4 After competition

| Trigger   | Message  | Status      | D | E | P | S | U |
|---|--|-------------|---|---|---|---|---|
| When competition finishes (last athlete passes the finish line) | DT_SCHEDULE_UPDATE                                 | FINISHED    | x |   |   |   | o |
| (Optional - Only if Jury has issues)                            | DT_RESULT  | UNCONFIRMED |   |   |   |   | x |
| (Optional - Only if Jury has issues)                            | DT_RESULT_ANALYSIS                                 | UNCONFIRMED |   |   |   |   | x |
|   | DT_RESULT  | UNOFFICIAL  |   |   |   |   | x |
|   | DT_RESULT_ANALYSIS                                 | UNOFFICIAL  |   |   |   |   | x |
| When image is available and after any change                    | DT_IMAGE   | OFFICIAL    |   |   |   |   | x |
| When Results are approved                                       | DT_RESULT  | OFFICIAL    |   |   |   |   | x |
|   | DT_RESULT_ANALYSIS                                 | OFFICIAL    |   |   |   |   | x |
|   | DT_PDF C73X Results                                | OFFICIAL    |   |   |   |   | x |
|   | DT_PDF C76 Participation Summary by NOC            |             | x |   |   |   |   |
|   | DT_PDF C77X Competition Analysis                   | OFFICIAL    |   |   |   |   | x |
|   | DT_PDF C82 Final Results - Competition Day Summary | OFFICIAL    |   |   |   |   | x |
|   | DT_RANKING   | OFFICIAL    |   | x |   |   |   |
| Before Victory/Venue Ceremony                                   | DT_MEDALLISTS                                      | UNOFFICIAL  |   | x |   |   |   |
| When Victory/Venue Ceremony and results are official            | DT_MEDALLISTS                                      | OFFICIAL    |   | x |   |   |   |
|   | DT_MEDALLISTS_DISCIPLINE                           |             | x |   |   |   |   |
|   | DT_MEDALS  |             | x |   |   |   |   |
|   | DT_PDF C92X Medallists                             | OFFICIAL    |   | x |   |   |   |
|   | DT_PDF C93 Medallists by Event                     |             | x |   |   |   |   |
|   | DT_PDF C95 Medal Standings                         |             | x |   |   |   |   |

Legend:

**D** Discipline; **E** Event; **P** Phase; **S** Session; **U** Unit  
**x** Sent on that level; **o** Includes info from that level



## 4 Document Control

| Version history |                 |   |
|-----------------|-----------------|---|
| Version         | Date            | Comments  |
| V0.1            | 25 Oct 2023     | First Version   |
| V0.2            | 6 Nov 2023      | Updated after the ODF review meeting                                  |
| V0.3            | 28 Nov 2023     | Applying global changes and editorial updates                         |
| V0.4            | 07 Feb 2024     | Minor updates   |
| V0.5            | 18 Apr 2024     | Corrections and cross sport alignments                                |
| V0.6            | 29 July 2024    | Corrections and cross sport alignments, updates as per PT1findings    |
| V1.0            | 18 October 2024 | Corrections   |
| V1.1            | 17 March 2024   | After TEV and after CHG0032405, CHG0034175, CHG0034182 and CHG0034203 |

### File Reference: OWG2026-BTH-1.1, APP

| Change Log |        |  |
|------------|--------|--|
| Version    | Status | Changes on version   |
| V0.1       | SFR    | First version  |
| V0.2       | SFR    | <p>DT_ENTRIES and DT_ENTRIES_TEAMS introduced.</p> <p>PROVISIONAL Results Status introduced across the applicable messages. References to Team Sprint removed.</p> <p>DT_PARTIC/DT_PARTIC_TEAMS:<br/>Description of the messages adjusted.</p> <p>DocumentSubtype values updated to include SYNC.</p> <p>PSCB name variations included.</p> <p>Structure of the messages updated removing event entry specific data.</p> <p>DT_ENTRIES_TEAM: Competition/TeamEntry :Bib was removed</p> <p>DT_RESULT:<br/>Trigger and Frequency: Trigger description updated. Message structure updated correctly.</p> <p>Competition /Result: Results Attribute values updated to include ResultCode sport code (LAP) and description updated.</p> <p>Competition /Result /ExtendedResults /ExtendedResult /ER: STATUS: Description updated.</p> <p>Competition /Result /ExtendedResults /ExtendedResult /PROGRESS /SHOOT /SHOT_TIME added.</p> <p>Competition /Result /ExtendedResults /ExtendedResult /ER/SKI_TOT description updated.</p> <p>Competition /Result /ExtendedResults /ExtendedResult /ER /JURY_DECISION Added.</p> <p>Competition /Result /ExtendedResults /ExtendedResult /ER /TIME_ADJUST: Pos and Description updated.</p> <p>Competition /Result /ExtendedResults /ExtendedResult /ER /IRM_RULE and IRM_RULE_TEXT removed.</p> <p>Competition /Result /Competitor /Composition /Athlete /EventUnitEntry /QUAL_GROUP, RANK_WLD, OG_PTS:<br/>Description updated</p> <p>Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension /SHOT_TIME added.</p> <p>Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /ER /TIME_ADJUST: Pos and Description updated.</p> <p>Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /ER/JURY_DECISION Added.</p> <p>Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult / ER /IRM_RULE and IRM_RULE_TEXT removed.</p> <p>DT_RESULT_ANALYSIS:<br/>Element: Competition /Result /ExtendedResults /ExtendedResult /PROGRESS/COURSE Description updated.</p> <p>DT_IMAGE: DocumentSubtype updated to include COURSEMAP</p> <p>DT_CONFIG:<br/>Message structure updated correctly.</p> <p>Competition /Configs /Config /ExtendedConfig /LOOP /COLOUR: Value and Description updated</p> <p>DT_WEATHER:<br/>Competition /Weather /Conditions /Code: Attribute description updated.</p> <p>Competition /Weather /Conditions /Wind: Attribute Type introduced.</p> <p>Message timeline section updated.</p> <p>Pending Items:</p> |



|      |     |  |
|------|-----|--|
|      |     | <p>DT_PARTIC/DT_PARTIC_TEAMS/DT_ENTRIES/DT_ENTRIES_TEAMS:<br/>         Competition /Participant /Discipline and Competition /Team /Discipline /Code: Pending to be discussed as a Global Cross Sport change if Reference to the discipline in Code should be removed.<br/>         Competition /Entry /Bib: To be discussed if BIB should remain in event level or should be removed across Disciplines<br/>         Competition /Entry /Class: This is a discipline level extension for Paralympics that currently is under the event level. To be discussed and finalize the extension level across Disciplines<br/>         Competition /Entry /ExtendedEntry /RANK_PTS and RANK_WLD: To be discussed if these will remain in event level or should be removed across Disciplines</p>   |
| V0.3 | SFR | <p>Editorial changes. Removing red highlighted content<br/>         DT_Partac and DT_Partac_Team: applied latest definition (remove Current and Team Number)<br/>         DT_Entries and DT_Entries_Teams: applied latest definition and cross discipline changes (remove Bib, Add IFPoints and IFRank)</p>  |
| V0.4 | SFR | <p>For all messages for the element Competition the attributes Gen, Sport, Codes are set to M<br/>         DT_PARTIC Status attribute set to M and MainFunctionId attribute set to O.<br/>         DT_ENTRIES ExtendedEntry cardinality changed from 0,1 to 0,N. GivenName attribute set to O.<br/>         DT_ENTRIES_TEAMS GivenName attribute set to O.<br/>         DT_RESULT: Message Structure and Message Values: Competition /Result /ExtendedResults /ExtendedResult added<br/>         CURRENT<br/>         Competition /Result /ExtendedResults /ExtendedResult /Extension removed.<br/>         Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extension removed.<br/>         Message Values: Competition /ExtendedInfos /ExtendedInfo /Extension /Passed: Description (applicable to all events) and Value description (exclude IRMs) updated.</p>  |
| V0.5 | SFR | <p>Editing updates and new values patterns applied.<br/>         Sport attribute in element Competition has been changed to S(35)<br/>         TVFamilyName changed to S(18)</p>   |
| V0.6 | SFA | <p>Overview updated for Paralympics.<br/>         Guide Element: introduced across all applicable message types, removing the Guide information in extensions and in Athlete /Description element.<br/>         SubEventName attribute: Changed reference to the ShortDescription in Common Codes.<br/>         Diff attribute: Updated so zeros are included for the leader, consistently across the definition.<br/>         DT_ENTRIES: New structure applied<br/>         DT_RESULT:<br/>         ResultsStatus INTREMEDIAE removed<br/>         Competition /Result PhotoFinish attribute added<br/>         Competition /ExtendedInfos /ExtendedInfo /Extension IN_RACE attribute added.<br/>         Competition /Result /ExtendedResults /ExtendedResult PHOTO deleted<br/>         Updates in the description of attributes.<br/>         DT_RESULT_ANALYSIS: Competition /Result PhotoFinish attribute added<br/>         DT_CURRENT: Clarification in the Trigger and Frequency.<br/>         DT_IMAGE: Competition /Image /Result ResultType and IRM added<br/>         DT_CONFIG:<br/>         Competition /Configs /Config /ExtendedConfig /EC /INTERMEDIATE /SHOOT_COMP Value updated to accept zeros.<br/>         Competition /Configs /Config /ExtendedConfig /EC /LOOP Value updated to meters.<br/>         DT_AUDIO, DT_ACHIEVEMENT added in applicable messages.</p> |
| V1.0 | APP | <p>Overview: DT_IMAGE removed from the Paralympic non-applicable messages. DT_IMAGE is expected for Paralympics.<br/>         DT_WEATHER: Adjustments</p>  |
| V1.1 | APP | <p>DT_PARTIC: Competition /Participant Attribute BirthDate description updated<br/>         DT_ENTRIES:<br/>         Competition /Entry Attributes: Code, Type, Organisation and SortOrder updated to optional to support the individual generic events.<br/>         Competition /Entry /Composition /Athlete /ExtendedEntry IFPOINTS Value format correction<br/>         DT_RESULT:<br/>         Competition /Result /ExtendedInfos /ExtendedInfo DISPLAY updated to INT_* for consistency - editorial.<br/>         Competition /Result /ExtendedResults /ExtendedResult PROGRESS INTERMEDIATE IRM attribute added, Value updated to Optional (CHG0032405)<br/>         Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult PROGRESS INTERMEDIATE IRM attribute added, Value mandatory changed to Optional (CHG0032405)<br/>         Competition /Result /ExtendedResults /ExtendedResult PROGRESS SHOOT Value and SortOrder set to optional. (DDM-1)<br/>         Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult PROGRESS SHOOT Value and SortOrder set to optional. (DDM-1)</p>   |



|  |   |
|--|---|
|  | <p>Competition /Result /ExtendedResults /ExtendedResult TIME_ADJUST description updated for relay and individual events (CHG0034203)</p> <p>Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult TIME_ADJUST description updated to clarify the expected value in relay (CHG0034203)</p> <p>Competition /Result /Competitor /Composition /Athlete /EventUnitEntry EUE START_GROUP Value updated to support alternate draw (CHG0034203)</p> <p>Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult Added ResultMark as valid value (CHG0034203) and to match current implementation at PROGRESS INTERMEDIATE and PROGRESS LEG_SPLIT</p> <p>Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult PROGRESS SHOOT SortOrder and Value changed from mandatory to optional to match current implementation and (CHG0034203)</p> <p>Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult ER SHOOT_TOT SortOrder updated to Optional to match current implementation.</p> <p>DT_RESULT_ANALYSIS:</p> <p>Competition /Result /ExtendedResults /ExtendedResult ER RANGE_TOT and ER COURSE_TOT Added Result Mark as valid value. (CHG0034203) and to match current implementation</p> <p>Competition /Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult all ExtendedResult attribute Value added Result Mark as a valid value. Match current implementation and (CHG0034203)</p> <p>DT_CONFIG:</p> <p>Competition /Configs /Config /ExtendedConfig EC INTERMEDIATE Remove reference to "S" as Start Point. (DDM-2)</p> <p>Competition /Configs /Config /ExtendedConfig COURSE LENGTH Add Extra digit placeholder in (DDM-6)</p> <p>Competition /Configs / Config /ExtendedConfig Type="EC" and Code="SHOOT" updated description (CHG0034182)</p> <p>DT_WEATHER:</p> <p>Competition /Weather /Conditions /Temperature /Value updated valid format (CHG0034175)</p> |
|--|---|