



INTERNATIONAL OLYMPIC COMMITTEE

ODF/INT425 R-WOG-2018-STK-v2.0 APP

Olympic Data Feed



ODF Short Track Data Dictionary
PyeongChang – XXIII Olympic Winter Games
Technology and Information Department
© International Olympic Committee

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Table of Contents

| | |
|---|----|
| 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..... | 8 |
| 2.1 Applicable Messages..... | 8 |
| 2.2 Messages..... | 10 |
| 2.2.1 List of participants by discipline / List of participants by discipline update..... | 10 |
| 2.2.1.1 Description..... | 10 |
| 2.2.1.2 Header Values..... | 10 |
| 2.2.1.3 Trigger and Frequency..... | 11 |
| 2.2.1.4 Message Structure..... | 12 |
| 2.2.1.5 Message Values..... | 13 |
| 2.2.1.6 Message Sort..... | 16 |
| 2.2.2 List of teams / List of teams update..... | 17 |
| 2.2.2.1 Description..... | 17 |
| 2.2.2.2 Header Values..... | 17 |
| 2.2.2.3 Trigger and Frequency..... | 18 |
| 2.2.2.4 Message Structure..... | 18 |
| 2.2.2.5 Message Values..... | 19 |
| 2.2.2.6 Message Sort..... | 21 |
| 2.2.3 Event Unit Start List and Results..... | 22 |
| 2.2.3.1 Description..... | 22 |
| 2.2.3.2 Header Values..... | 22 |
| 2.2.3.3 Trigger and Frequency..... | 23 |
| 2.2.3.4 Message Structure..... | 23 |
| 2.2.3.5 Message Values..... | 26 |
| 2.2.3.6 Message Sort..... | 33 |
| 2.2.4 Image..... | 34 |
| 2.2.4.1 Description..... | 34 |
| 2.2.4.2 Header Values..... | 34 |
| 2.2.4.3 Trigger and Frequency..... | 35 |
| 2.2.4.4 Message Structure..... | 35 |
| 2.2.4.5 Message Values..... | 36 |
| 2.2.4.6 Message Sort..... | 37 |



| | |
|---|-----------|
| 2.2.5Phase Results..... | <u>38</u> |
| 2.2.5.1Description..... | <u>38</u> |
| 2.2.5.2Header Values..... | <u>38</u> |
| 2.2.5.3Trigger and Frequency..... | <u>39</u> |
| 2.2.5.4Message Structure..... | <u>39</u> |
| 2.2.5.5Message Values..... | <u>41</u> |
| 2.2.5.6Message Sort..... | <u>44</u> |
| 2.2.6Records..... | <u>45</u> |
| 2.2.6.1Description..... | <u>45</u> |
| 2.2.6.2Header Values..... | <u>45</u> |
| 2.2.6.3Trigger and Frequency..... | <u>46</u> |
| 2.2.6.4Message Structure..... | <u>46</u> |
| 2.2.6.5Message Values..... | <u>48</u> |
| 2.2.6.6Message Sort..... | <u>51</u> |
| 2.2.7Event Final Ranking..... | <u>52</u> |
| 2.2.7.1Description..... | <u>52</u> |
| 2.2.7.2Header Values..... | <u>52</u> |
| 2.2.7.3Trigger and Frequency..... | <u>53</u> |
| 2.2.7.4Message Structure..... | <u>53</u> |
| 2.2.7.5Message Values..... | <u>54</u> |
| 2.2.7.6Message Sort..... | <u>60</u> |
| 2.2.8Configuration..... | <u>61</u> |
| 2.2.8.1Description..... | <u>61</u> |
| 2.2.8.2Header Values..... | <u>61</u> |
| 2.2.8.3Trigger and Frequency..... | <u>62</u> |
| 2.2.8.4Message Structure..... | <u>62</u> |
| 2.2.8.5Message Values..... | <u>62</u> |
| 2.2.8.6Message Sort..... | <u>64</u> |
| 2.2.9Event Unit Weather conditions..... | <u>65</u> |
| 2.2.9.1Description..... | <u>65</u> |
| 2.2.9.2Header Values..... | <u>65</u> |
| 2.2.9.3Trigger and Frequency..... | <u>66</u> |
| 2.2.9.4Message Structure..... | <u>66</u> |
| 2.2.9.5Message Values..... | <u>66</u> |
| 2.2.9.6Message Sort..... | <u>67</u> |
| 3Message Timeline..... | <u>68</u> |
| 3.1Preparation Phase..... | <u>68</u> |
| 3.2Before, During, After..... | <u>68</u> |
| 3.3At the end of the event..... | <u>70</u> |
| 4Document Control..... | <u>71</u> |



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ODF/INT425 R-WOG-2018-STK-v2.0 APP



1 Introduction

1.1 This document

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

1.2 Objective

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

1.3 Main Audience

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

1.4 Glossary

The following abbreviations are used in this document.

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

1.5 Related Documents

| Document Reference | Document Title | Document Description |
|--------------------|---|--|
| ODF/INT400 | ODF Foundation Principles | The document explains the environment and general principles for ODF |
| ODF/INT401 | ODF General Messages Interface Document | The document describes the ODF General Messages |
| ODF/COD404 | Common Codes | The document describes the ODF Common codes used across all ODF documents. |



| Document Reference | Document Title | Document Description |
|---------------------------|-----------------------|---|
| ODF/COD405 | ODF Sport Codes | This document describes the ODF specific codes used in this sport |
| ODF/COD406 | ODF Header Values | The document details the header values which shows which RSCs are used in which messages. |



2 Messages

2.1 Applicable Messages

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

- The column “Message type“ indicates the DocumentType that identifies a message
- The column “Message name“ is the message name identified by the message type
- The column “Message extended“ indicates whether a particular message has extended definition in regards to those that are general for all sports. If one particular message is not extended, then it should follow the general definition rules.

| Message Type | Message Name | Message extended |
|---|--|-------------------|
| DT_SCHEDULE DT_SCHEDULE_UPDATE | / Competition schedule / Competition schedule update | |
| DT_PARTIC DT_PARTIC_UPDATE | / List of participants by discipline / List of participants by discipline update | X |
| DT_PARTIC_TEAMS DT_PARTIC_TEAMS_UPDATE | / List of teams / List of teams update | X |
| DT_MEDALS | Medal standings | |
| DT_MEDALLISTS_DAY | Medallists of the day | |
| DT_GLOBAL_GM | Global good morning | |
| DT_GLOBAL_GN | Global good night | |
| DT_RESULT | Event Unit Start List and Results | X |
| DT_IMAGE | Image | X |
| DT_PRESSPHOTOFINISH_LK | Press Photofinish | |
| DT_PHASE_RESULT | Phase Results | X |
| DT_RECORD | Records | X |
| DT_RANKING | Event Final Ranking | X |
| DT_COMMUNICATION | Communication | |
| DT_CONFIG | Configuration | X |



| | | |
|--------------------------|-------------------------------------|-------------------|
| DT_WEATHER | Event Unit Weather conditions | X |
| DT_MEDALLISTS | Event's Medallists | |
| DT_MEDALLISTS_DISCIPLINE | Medallists by discipline | |
| DT_LOCAL_OFF | Discipline/venue stop transmission | |
| DT_LOCAL_ON | Discipline/venue start transmission | |
| DT_KA | Keep Alive | |



2.2 Messages

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

2.2.1.1 Description

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

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

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

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

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

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

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

2.2.1.2 Header Values

The following table describes the message header attributes.



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

2.2.1.3 Trigger and Frequency

The DT_PARTIC message is sent as a bulk message 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.

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



2.2.1.4 Message 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) | | | | | |
| | Participant (1,N) | | | | |
| | | Code | | | |
| | | Parent | | | |
| | | Status | | | |
| | | GivenName | | | |
| | | FamilyName | | | |
| | | PrintName | | | |
| | | PrintInitialName | | | |
| | | TVName | | | |
| | | TVInitialName | | | |
| | | LocalFamilyName | | | |
| | | LocalGivenName | | | |
| | | Gender | | | |
| | | Organisation | | | |
| | | BirthDate | | | |
| | | Height | | | |
| | | Weight | | | |
| | | PlaceofBirth | | | |
| | | CountryofBirth | | | |
| | | PlaceofResidence | | | |
| | | CountryofResidence | | | |
| | | Nationality | | | |
| | | MainFunctionId | | | |
| | | Current | | | |
| | | OlympicSolidarity | | | |
| | | ModificationIndicator | | | |
| | | Discipline (1,1) | | | |
| | | | Code | | |



| | |
|--|---|
| | IFId RegisteredEvent (0,N) Event Bib Substitute EventEntry (0,N) Code Type Pos Value |
|--|---|

2.2.1.5 Message Values

| Element: Participant (1,N) | | | |
|----------------------------|-----|------------------------------|--|
| Attribute | M/O | Value | Description |
| Code | M | S(20) with no leading zeroes | <p>Participant's ID.</p> <p>It identifies an athlete or an official and the holding participant's valid information for one particular period of time.</p> <p>It is used to link other messages to the participant's information.</p> <p>Participant's information (example @Organisation) will not be the latest for the athlete/official, unless the @Code attribute is the same as the @Parent attribute. However, this information could be the one being valid in the particular moment of a start list, event unit results, etc.</p> <p>When the participant is an historical one, then this ID will start with "A" when it is an Athlete, "C" when Coach and "O" when Official.</p> |
| Parent | M | S(20) with no leading zeroes | <p>Participant's parent ID, which is used to link to the latest valid information for one participant. @Parent attribute should be linked to the latest participant's information, by retrieving that Athlete/Official whose @Code attribute is the same as @Parent.</p> |



| | | | |
|------------------|---|----------------------------------|---|
| | | | <p>The participant containing @Code attribute being the same as the @Parent attribute will be the one with the latest information for the participant.</p> <p>The @Parent attribute will only be different from @Code in the case that critical personal information has changed from previous competitions. The typical examples are Organisation (for change of country) or Name (particularly for women changing their name at marriage). Further to be clear, @Parent and @Code can only be different if Current = "false".</p> |
| Status | O | CC @ParticStatus | <p>Participant's accreditation status this attribute is Mandatory in the case of @Current="true" and it is optional in the case that @Current="false".</p> <p>To delete a participant, a specific value of the Status attribute is used.</p> |
| GivenName | O | S(25) | Given name in WNPA format (mixed case) |
| FamilyName | M | S(25) | Family name in WNPA format (mixed case) |
| PrintName | M | S(35) | Print name (family name in upper case + given name in mixed case) |
| PrintInitialName | M | S(18) | Print Initial name (for the given name it is sent just the initial, without dot) |
| TVName | M | S(35) | TV name |
| TVInitialName | M | S(18) | TV initial name |
| 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) |
| Gender | M | CC @PersonGender | Participant's gender |
| Organisation | M | CC @Organisation | Organisation ID |
| BirthDate | O | YYYY-MM-DD | Date of birth. This information may not be known at the very beginning, but it will be completed for all participants after successive updates |
| Height | O | S(3) | Height in centimetres. It will be included if this information is available. This information is not needed in the case of officials/referees. "-" may be used where the data is not available. |
| Weight | O | S(3) | Weight in kilograms. It will be included if this information is available. This information is not needed in the case of officials/referees. |



| | | | |
|-----------------------|---|-------------------------------------|---|
| | | | "-" may be used where the data is not available. |
| PlaceofBirth | O | S(75) | Place of Birth |
| CountryofBirth | O | CC @Country | Country ID of Birth |
| PlaceofResidence | O | S(75) | Place of Residence |
| CountryofResidence | O | CC @Country | Country ID of Residence |
| Nationality | O | CC @Country | Participant's nationality. Although this attribute is optional, in very exceptional situations it will not be known, and for this reason not ready to be sent. |
| MainFunctionId | O | CC @ResultsFunction | Main function In the Case of Current="true" this attribute is Mandatory. |
| Current | M | boolean | It defines if a participant is participating in the games (true) or is a Historical participant (false). |
| OlympicSolidarity | O | S(1) | 'Y' or 'N' Flag to indicating if the participant participates in the Olympic Scholarship program. |
| ModificationIndicator | M | S(1) | 'N' or 'U' Attribute is mandatory in the DT_PARTIC_UPDATE message only N-New participant (in the case that this information comes as a late entry) U-Update participant If ModificationIndicator='N', then include new participant to the previous bulk-loaded list of participants If ModificationIndicator='U', then update the participant to the previous bulk-loaded list of participants To delete a participant, a specific value of the Status attribute is used. |

Element: Participant /Discipline (1,1)

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



| Attribute | M/O | Value | Description |
|-----------|-----|--------------------------------|---|
| Code | M | CC @Discipline | Full RSC of the Discipline |
| IFId | O | S(16) | Competitor's federation number for the corresponding discipline (include if the discipline assigns international federation codes to athletes). |

Element: Participant /Discipline /RegisteredEvent (0,N)
 All accredited athletes will be assigned to one or more events. There is one exception: in some sports, substitutes may be accredited without any associated event. Historical athletes are not registered to any event.

| Attribute | M/O | Value | Description |
|------------|-----|---------------------------|--|
| Event | M | CC @Event | Full RSC of the Event |
| Bib | O | S(5) | Bib number. Bib number is in fact a special Event Entry. However, since it is very meaningful in the sports that make use of this attribute, it has been considered as an attribute, although it was part of EventEntry in the previous versions. Send only in the Case of Current="true". |
| Substitute | O | S(1) | Send Y if the athlete is a substitute else do not send. |

Element: Participant /Discipline /RegisteredEvent /EventEntry (0,N)
 Send if there are specific athlete's event entries.

| Type | Code | Pos | Description |
|------------------|------------|--------------|-------------------------------------|
| ENTRY | RANK_WLD | N/A | Element Expected: When available |
| Attribute | M/O | Value | Description |
| Value | O | S(4) | World Rank of the athlete |

2.2.1.6 Message Sort

The message is sorted by Participant @Code



2.2.2 List of teams / List of teams update

2.2.2.1 Description

The List of teams message 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. Pairs (tennis, figure skating, etc.) are also defined as team of two competitors. 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.

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

For equestrian one athlete and one horse are not considered a team, the horse is an attribute of the athlete.

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

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

2.2.2.2 Header Values

The following table describes the message header attributes.

| Attribute | Value | Comment |
|-----------------|---|--|
| CompetitionCode | CC @Competition | Unique ID for competition |
| DocumentCode | Full RSC (discipline level) | RSC at the discipline level |
| DocumentType | DT_PARTIC_TEAMS / DT_PARTIC_TEAMS_UP DATE | List of participant teams message |
| Version | 1..V | Version number associated to the message's content. Ascendant number |



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

2.2.2.3 Trigger and Frequency

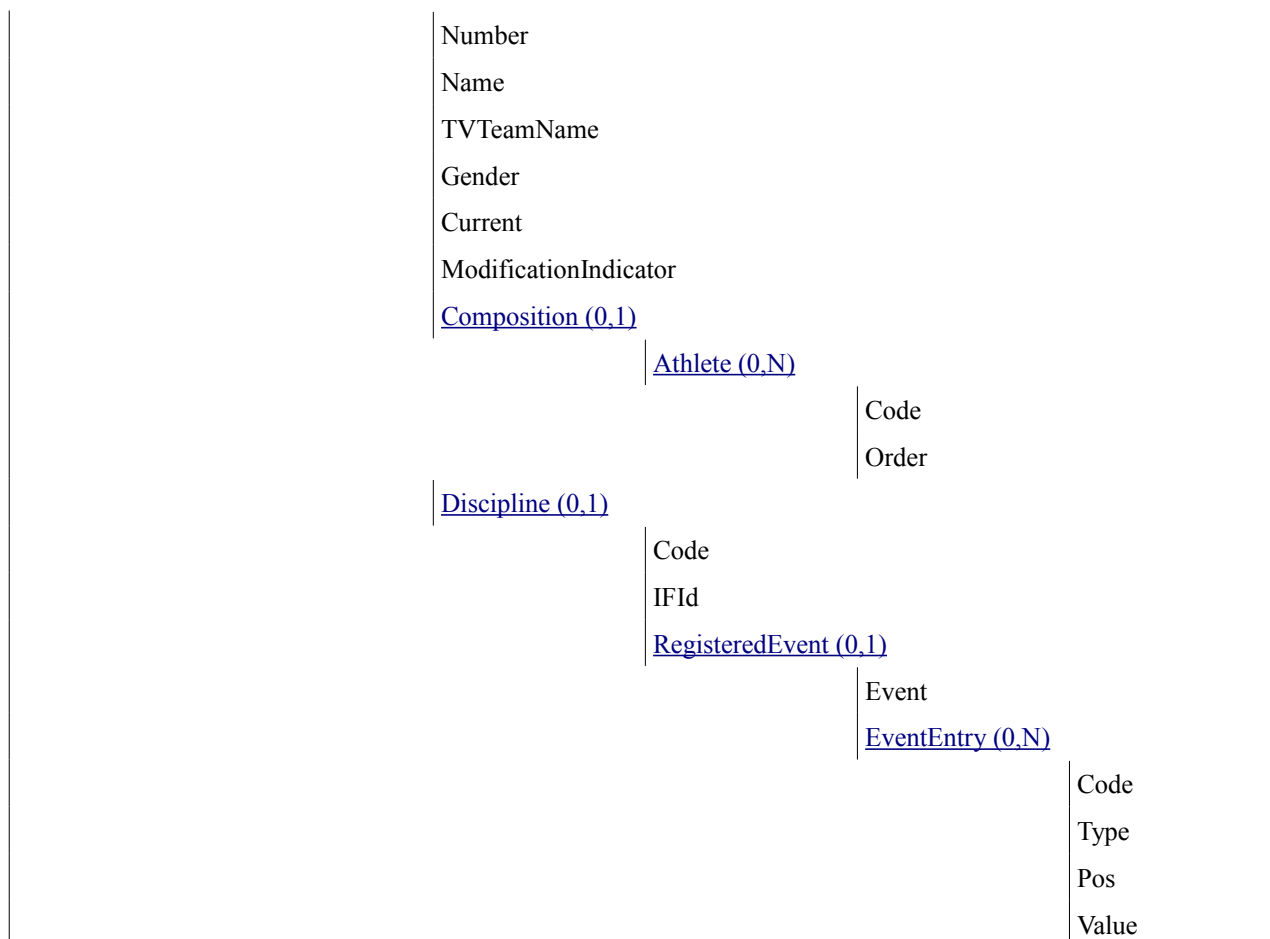
The DT_PARTIC_TEAMS message is sent as a bulk message approximately one month before the Games. It is sent several times up to the date of transfer of control to OVR after which only DT_PARTIC_TEAMS_UPDATE messages are sent.

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

2.2.2.4 Message 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) | | | | | |
| | Team (1,N) | | | | |
| | | Code | | | |
| | | Organisation | | | |



2.2.2.5 Message Values

| Element: Team (1,N) | | | |
|---------------------|-----|----------------------------------|---|
| Attribute | M/O | Value | Description |
| Code | M | S(20) with no leading zeroes | Team's ID (example ATHM4X400M--ESP01, 393553) When the Team is an historical one, then this ID starts with "T". |
| Organisation | M | CC @Organisation | Team organisation's ID |
| Number | O | Numeric #0 | Team's number. If there is not more than one team for one organisation participating in one event, it is 1. Otherwise, it will be incremental, 1 for the first organisation's team, 2 for the second organisation's team, etc. |



| | | | |
|-----------------------|---|--------------------------------------|--|
| | | | Required in the case of current teams. |
| Name | O | S(73) | Team's name. It will apply to some of the disciplines. If there is not any special rule for that discipline, send the Description of the code CC@Organisation. It is Optional in the case of List of Team Update when the @ModificationIndicator=D |
| TVTeamName | O | S(21) | Team's TV Name. In head-to-head pairs competitions this should be in the format SMITH/JONES [max char(10) per name] else it is the organisation name unless special rules apply. |
| Gender | M | CC @DisciplineGender | Discipline Gender Code of the Team |
| Current | M | boolean | It defines if a team is participating in the games (true) or it is a Historical team (false) |
| ModificationIndicator | M | N, U, D | Attribute is mandatory in the DT_PARTIC_TEAMS_UPDATE message only N-New team (in the case that this information comes as a late entry) U-Update team D-Delete team If ModificationIndicator='N', then include new team to the previous bulk-loaded list of teams If ModificationIndicator='U', then update the team to the previous bulk-loaded list of teams If ModificationIndicator='D', then delete the team to the previous bulk-loaded list of teams |

Element: Team /Composition /Athlete (0,N)

In the case of current teams the number of athletes is 2 or more.

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

Element: Team /Discipline (0,1)



Each team is assigned just to one discipline. Discipline is expected unless ModificationIndicator="D"

| Attribute | M/O | Value | Description |
|-----------|-----|--------------------------------|--|
| Code | M | CC @Discipline | Full RSC of the Discipline |
| IFId | O | S(16) | Federation number for the corresponding discipline (include if the discipline assigns international federation codes to teams) |

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

| Attribute | M/O | Value | Description |
|-----------|-----|---------------------------|-----------------------|
| Event | M | CC @Event | Full RSC of the Event |

Element: Team /Discipline /RegisteredEvent /EventEntry (0,N)
Send if there are specific team's event entries.

| Type | Code | Pos | Description |
|-------|------------------|------------|-------------------------------------|
| ENTRY | RANK_WLD | N/A | Element Expected: When available |
| | Attribute | M/O | Value |
| | Value | O | S(4) |
| | | | Description |
| | | | World Rank of the team |

2.2.2.6 Message Sort

The message is sorted by Team @Code.



2.2.3 Event Unit Start List and Results

2.2.3.1 Description

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

The Event Unit Start List and Results is a mandatory message for all sports.

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

2.2.3.2 Header Values

The following table describes the message header attributes.

| Attribute | Value | Comment |
|-----------------|----------------------------------|--|
| CompetitionCode | CC @Competition | Unique ID for competition |
| DocumentCode | Full RSC | Sent according to the ODF Common Codes document (header values) with one message per race. |
| DocumentSubcode | N/A | Not used in STK |
| DocumentType | DT_RESULT | Event Unit Start List and Results message |
| DocumentSubtype | N/A | Not used in STK |
| Version | 1..V | Version number associated to the message's content. Ascendant number |
| ResultStatus | SC @ResultStatus | It indicates whether the result is official or unofficial (or intermediate etc). START_LIST (as soon as the start list is available and any changes [inc. IRMs]) LIVE (when the unit starts and after every update (lap)) UNCONFIRMED (used after the competition is completed and before either UNOFFICIAL or OFFICIAL. It may be sent multiple times if modifications are required and the status has not changed) UNOFFICIAL OFFICIAL PROTESTED |
| FeedFlag | "P"-Production "T"-Test | Test message or production message. |
| Date | Date | Date when the message is generated, expressed in the local time zone where the message was produced. |
| Time | Time | Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced. |



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

2.2.3.3 Trigger and Frequency

This message is sent:

- * As soon as the start list is available and any changes [inc. IRMs] (START_LIST)
- * When the unit starts and after every update (lap) (LIVE)
- * After the race is finished (UNCONFIRMED / UNOFFICIAL / OFFICIAL) as applicable.
- * After any change

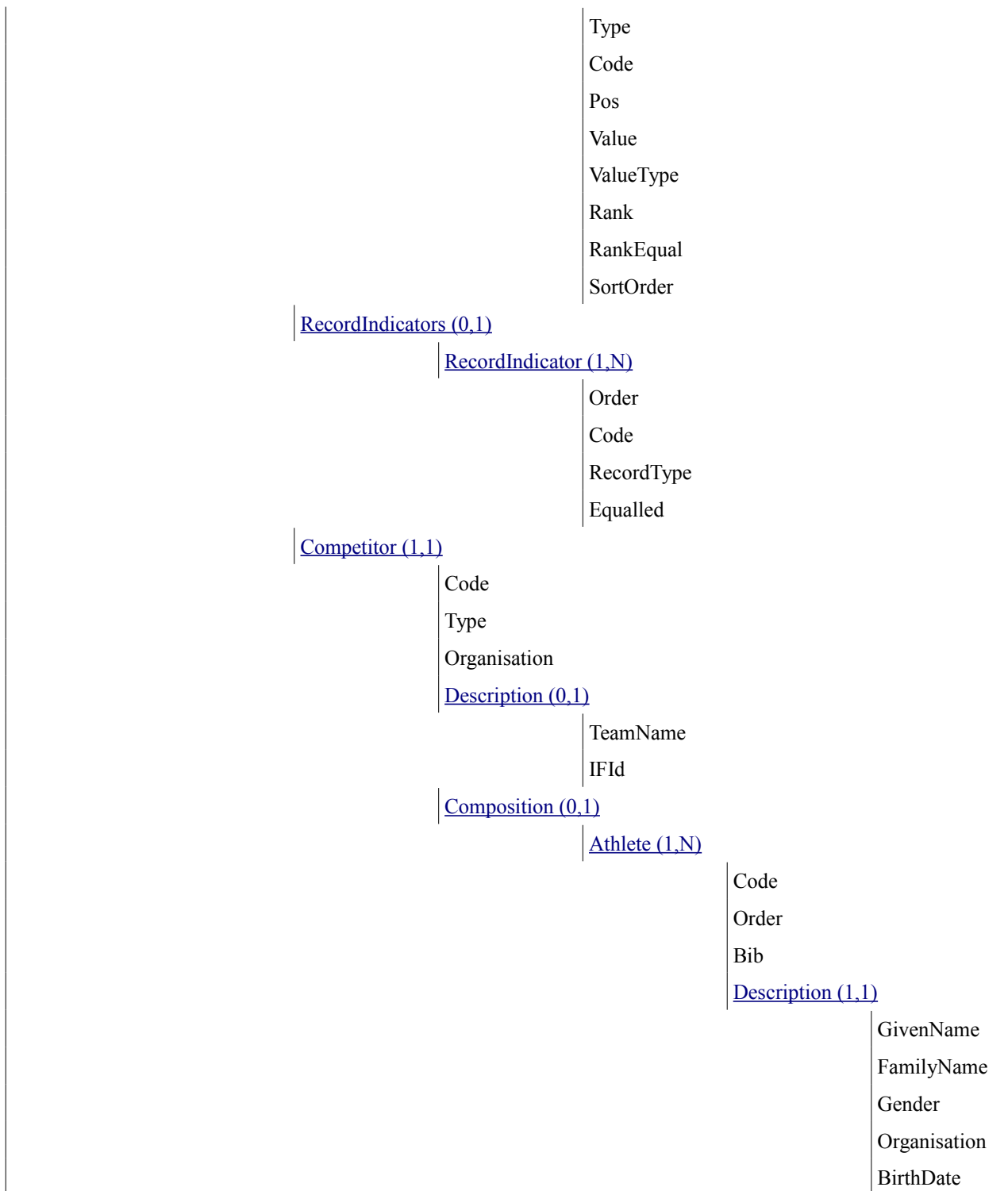
2.2.3.4 Message Structure

The following table defines the structure of the message.

| Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 | Level 7 |
|-----------------------------------|-------------------------------------|--|----------------|---------|---------|---------|
| Competition (0,1) | | | | | | |
| | ExtendedInfos (0,1) | | | | | |
| | | ExtendedInfo (0,N) | | | | |
| | | | Type | | | |
| | | | Code | | | |
| | | | Pos | | | |
| | | | Value | | | |
| | | SportDescription (0,1) | | | | |
| | | | DisciplineName | | | |
| | | | EventName | | | |



| | | | |
|--|------------------------|-------------------------------|------------------------------|
| | | | Gender |
| | | | SubEventName |
| | | | UnitNum |
| | | <u>VenueDescription (0,1)</u> | |
| | | | Venue |
| | | | VenueName |
| | | | Location |
| | | | LocationName |
| | | | Attendance |
| | <u>Officials (0,1)</u> | | |
| | | <u>Official (1,N)</u> | |
| | | | Code |
| | | | Function |
| | | | Order |
| | | | <u>Description (1,1)</u> |
| | | | GivenName |
| | | | FamilyName |
| | | | Gender |
| | | | Organisation |
| | | | IFId |
| | <u>Result (1,N)</u> | | |
| | | | Rank |
| | | | RankEqual |
| | | | Result |
| | | | IRM |
| | | | QualificationMark |
| | | | SortOrder |
| | | | StartOrder |
| | | | StartSortOrder |
| | | | ResultType |
| | | | <u>ExtendedResults (0,1)</u> |
| | | | <u>ExtendedResult (1,N)</u> |





| | |
|--|------|
| | IFId |
|--|------|

2.2.3.5 Message Values

| Element: ExtendedInfos /ExtendedInfo (0,N) | | | | |
|--|-----------|-------------------|------------------------------|---|
| Type | | Code | Pos | Description |
| UI | | LEADER | Numeric #0 | Pos Description: Send the intermediate number as defined in @Pos in DT_CONFIG Element Expected: When available for each intermediate |
| | Attribute | M/O | Value | Description |
| | Value | O | S(20) with no leading zeroes | Send the ID of the leading competitor at each intermediate. |
| DISPLAY | | LAST_INTERMEDIATE | N/A | Element Expected: When LIVE after the first intermediate |
| | Attribute | M/O | Value | Description |
| | Value | O | Numeric #0 | Send the intermediate number most recently passed by the leader as defined in @Pos in DT_CONFIG |

Sample (ExtendedInfo)

```

...
<ExtendedInfos>
  <UnitDateTime StartDate="2012-08-07T11:01:00+01:00" />
  <ExtendedInfo Type="UI" Code="LEADER" Pos="1" Value="123456" />
  <ExtendedInfo Type="UI" Code="LEADER" Pos="2" Value="123456" />
...

```

| Element: ExtendedInfos /SportDescription (0,1) | | | | |
|--|-----|--------------------------------------|---|--|
| Sport Descriptions in Text. | | | | |
| Attribute | M/O | Value | Description | |
| DisciplineName | M | S(40) | Discipline name (not code) from Common Codes | |
| EventName | M | S(40) | Event name (not code) from Common Codes | |
| Gender | M | CC @DisciplineGender | Gender code for the event unit | |
| SubEventName | M | S(40) | EventUnit short name (not code) from Common Codes | |
| UnitNum | M | S(6) | Race number | |



| Element: ExtendedInfos /VenueDescription (0,1) | | | |
|---|------------|-------------------------------|--|
| Venue Names in Text. | | | |
| Attribute | M/O | Value | Description |
| Venue | M | CC @VenueCode | Venue Code |
| VenueName | M | S(25) | Venue short name (not code) from Common Codes |
| Location | M | CC @Location | Location code |
| LocationName | M | S(30) | Location short name (not code) from Common Codes |
| Attendance | O | #####0 | Total attendance (do not send if unknown) |

| Element: Officials /Official (1,N) | | | |
|---|------------|-------------------------------------|--|
| Attribute | M/O | Value | Description |
| Code | M | S(20) with no leading zeroes | Official's code |
| Function | M | CC @ResultsFunction | Official's function (example: referee, etc.). Can be different from the function sent in the DT_PARTIC message. |
| Order | O | Numeric | Order of officials. |

| Element: Officials /Official /Description (1,1) | | | |
|--|------------|----------------------------------|---|
| Officials extended information. | | | |
| Attribute | M/O | Value | Description |
| GivenName | O | S(25) | Given name in WNPA format (mixed case) |
| FamilyName | M | S(25) | Family name in WNPA format (mixed case) |
| Gender | M | CC @PersonGender | Gender of the official |
| Organisation | M | CC @Organisation | Officials' organisation |
| IFId | O | S(16) | International Federation ID |

| Element: Result (1,N) | | | |
|--|------------|--------------|--|
| For each Event Unit Results message, there must be at least one competitor with a result element in the event unit. | | | |
| Attribute | M/O | Value | Description |
| Rank | O | String | Rank of the competitor in the event unit (not cumulative). |
| RankEqual | O | Y | Identifies if a rank has been equalled. Only send if |



| | | | |
|-------------------|---|---------------------------------------|---|
| | | | applicable |
| Result | O | m:ss.fff | Result for the particular event unit. Send just in the case @ResultType is TIME May be empty in the case of a referee decision to suppress time. |
| IRM | O | SC @IRM | The invalid result mark, in case it is assigned |
| QualificationMark | O | SC @QualificationMark | Send just in the case the competitor has qualified. |
| SortOrder | M | Numeric | This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank. Prior to the unit the order is the same as StartSortOrder. Updated during the race with the current order, |
| StartOrder | O | Numeric | The start order of the unit. |
| StartSortOrder | M | Numeric | Used to sort all start list competitors in an event unit. |
| ResultType | O | SC @ResultType | Type of the @Result attribute. |

| Element: Result /ExtendedResults /ExtendedResult (1,N) | | | | |
|--|--------------|--------------|---|--|
| Type | Code | Pos | Description | |
| PROGRESS | INTERMEDIATE | S(2) | Pos Description: Intermediate point where the intermediate time is recorded (1, 2...F). Element Expected: When data is available | |
| | M/O | Value | Description | |
| | Value | O | m:ss.fff | Cumulative time at the intermediate point in the current run. Do not send minutes if zero. |
| | ValueType | O | SC @ResultType | ValueType should be used to describe the type of data @Value |
| | Rank | O | S(2) | Send the rank of the competitor at the intermediate point |
| | RankEqual | O | Y | Send Y where Rank at this specific ExtendResult is equalled else not sent. |
| | SortOrder | O | Numeric #0 | Send the order of the competitor at the intermediate point |
| PROGRESS | SECTION | S(2) | Pos Description: Intermediate point at the end of the | |



| | | | | |
|----------|------------------|------------|---|--|
| | | | section where section time is taken (1, 2...F). For example 1 is the section from the start to 1. Element Expected: When available | |
| | Attribute | M/O | Value | Description |
| | Value | O | s.fff | Time for the section ending at the intermediate point @Pos. |
| PROGRESS | | REMAINING | N/A | Element Expected: Always when LIVE |
| | Attribute | M/O | Value | Description |
| | Value | O | Numeric ##0 | Number of laps remaining for this athlete |
| ER | | PHOTO | N/A | Element Expected: If applicable |
| | Attribute | M/O | Value | Description |
| | Value | O | S(1) | Send the Photo Finish status: Y in case of Evaluated P in case of Pending else do not send If PHOTO is sent as pending then those pending competitors will not have rank but will still be sorted in the correct place (as well as is known). For example: Rank = 1,2,,,5,6,7... and SortOrder = 1,2,3,4,5,6,7 |

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

Result's record indicator.

| Attribute | M/O | Value | Description |
|------------|-----|--------------------------------|---|
| Order | M | Numeric | This will usually always be 1 unless there is both a WR and OR in which case WR=1 and OR=2. |
| Code | M | CC @RecordCode | Code which describes the record broken by the result value. |
| RecordType | M | CC @RecordType | Code which specifies the level at which the record is broken (e.g. "WR" or "OR"). |
| Equalled | O | S(1) | Send "Y" in the case that the record has been equalled else do not send. |



| Element: Result /Competitor (1,1) | | | |
|--|------------|---|--|
| Competitor related to the result of one event unit. | | | |
| Attribute | M/O | Value | Description |
| Code | M | S(20) with no leading zeroes or TBD or NOCOMP | Competitor's ID or TBD in case that the competitor is unknown at this time but will be available NOCOMP is sent when there is no competitor (and will not come later) |
| Type | M | T,A | T for team A for athlete |
| Organisation | O | CC @Organisation | Competitor's organisation |

| Element: Result /Competitor /Description (0,1) | | | |
|---|------------|--------------|-----------------------------|
| Competitors extended information. | | | |
| Attribute | M/O | Value | Description |
| TeamName | M | S(73) | Name of the team. |
| IFId | O | S(16) | International Federation ID |

| Element: Result /Competitor /Composition /Athlete (1,N) | | | |
|--|------------|------------------------------|--|
| Attribute | M/O | Value | Description |
| Code | M | S(20) with no leading zeroes | Athlete's ID. Can belong to a team member or an individual athlete. |
| Order | M | Numeric | Order attribute used to sort team members in a team (if Competitor @Type="T") on the results or 1 if Competitor @Type="A". |
| Bib | O | S(5) | Helmet number. Should always be available |

| Element: Result /Competitor /Composition /Athlete /Description (1,1) | | | |
|---|------------|----------------------------------|---|
| Athletes extended information. | | | |
| Attribute | M/O | Value | Description |
| GivenName | O | S(25) | Given name in WNPA format (mixed case) |
| FamilyName | M | S(25) | Family name in WNPA format (mixed case) |
| Gender | M | CC @PersonGender | Gender of the athlete |
| Organisation | M | CC @Organisation | Athletes' organisation |
| BirthDate | O | Date | Birth date (example: YYYY-MM-DD). Must include if the data is available |



INTERNATIONAL OLYMPIC COMMITTEE

ODF/INT425 R-WOG-2018-STK-v2.0 APP

| | | | |
|------|---|-------|-----------------------------|
| IFId | O | S(16) | International Federation ID |
|------|---|-------|-----------------------------|

Sample (ExtendedResults)



```
...
<Result SortOrder="1" Rank="1" ResultType="TIME" Result="1:24.787" QualificationMark="Q" StartOrder="3"
StartSortOrder="3" >
  <ExtendedResults>
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="1" Value="12.49"
Value Type="TIME" Rank="1" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="2" Value="21.93"
Value Type="TIME" Rank="1" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="3" Value="31.07"
Value Type="TIME" Rank="2" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="4" Value="40.08"
Value Type="TIME" Rank="2" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="5" Value="48.95"
Value Type="TIME" Rank="2" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="6" Value="57.79"
Value Type="TIME" Rank="2" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="7" Value="1:06.64"
Value Type="TIME" Rank="1" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="8" Value="1:15.62"
Value Type="TIME" Rank="1" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="1" Value="12.49"
Value Type="TIME" Rank="1" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="2" Value="9.44"
Value Type="TIME" Rank="1" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="3" Value="9.14"
Value Type="TIME" Rank="2" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="4" Value="9.01"
Value Type="TIME" Rank="2" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="5" Value="8.87"
Value Type="TIME" Rank="2" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="6" Value="8.84"
Value Type="TIME" Rank="3" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="7" Value="8.84"
Value Type="TIME" Rank="1" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="8" Value="8.98"
Value Type="TIME" Rank="1" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="F" Value="9.16"
Value Type="TIME" Rank="2" />
  </ExtendedResults>
  <Competitor Type="A" Code="2012264" Organisation="GER">>
    <Composition>
      <Athlete Code="2012264" Order="1" Bib="203" >
        <Description GivenName="John" FamilyName="Smith" Gender="M"
Organisation="GER" BirthDate="1994-12-15" />
      </Athlete>
    </Composition>
  </Competitor>
</Result>
...
```




INTERNATIONAL OLYMPIC COMMITTEE

ODF/INT425 R-WOG-2018-STK-v2.0 APP

2.2.3.6 Message Sort

Sort by Result @SortOrder



2.2.4 Image

2.2.4.1 Description

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

The message allows for multiple images but it is assumed the images are related (could be different resolutions, different states of a competition or different places in photofinish photos). Unrelated images should be sent separately.

2.2.4.2 Header Values

The following table describes the message header attributes.

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



| | | |
|--------|----------------------------|---|
| | | For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction. Logical Date is expressed in the local time zone where the message was produced. |
| Source | SC @Source | Code indicating the system which generated the message. |

2.2.4.3 Trigger and Frequency

Triggered as soon as image available.

2.2.4.4 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 |
|-----------------------------------|-----------------------------|------------------------------|----------------------------------|-----------------------------------|-------------------------------|---------|---------|
| Competition (0,1) | | | | | | | |
| | Image (1,N) | | | | | | |
| | | Pos | | | | | |
| | | Version | | | | | |
| | | Revision | | | | | |
| | | ImageType | | | | | |
| | | Result (0,N) | | | | | |
| | | | Result | | | | |
| | | | Rank | | | | |
| | | | StartOrder | | | | |
| | | | SortOrder | | | | |
| | | | 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) - | |

2.2.4.5 Message Values

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

| Element: Competition /Image /Result (0,N) | | | |
|---|-----|--------------|--|
| Attribute | M/O | Value | Description |
| Result | O | S(20) | Result of the competitor in the image. Formatted as appropriate in the event. Use IRM code if appropriate. |
| Rank | O | S(10) | Rank of the competitor |
| StartOrder | O | S(4) | Start or lane position |
| SortOrder | M | Numeric ###0 | This attribute is a sequential number with the order of the competitors in the image. |

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

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



| Attribute | M/O | Value | Description |
|-----------|-----|-------|------------------|
| TeamName | O | 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 | O | S(20) with no leading zeroes | Athlete's ID. If it is possible to send the ID it should be included. |
| Order | M | Numeric ##0 | Order attribute used to sort team members in a team. Send 1 for individuals. |
| Bib | O | S(4) | Bib number |

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

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

Element: Competition /Image /ImageData (1,1)

| Attribute | M/O | Value | Description |
|-----------|-----|-----------|---|
| - | M | Free Text | The ImageData element has a body consisting of one Base64-encoded report (a jpeg or png file) |

2.2.4.6 Message Sort

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



2.2.5 Phase Results

2.2.5.1 Description

The Phase Results is a message containing the results for the competitors in a particular phase.

The phase message is used to compare competitors from different units within a phase where the competitors usually participate once in the phase.

The message is used to send an intermediate summary of results (including rank) part way through a phase. In this case, the DocumentSubtype is used to specify the last event unit that contributed results to the message.

2.2.5.2 Header Values

The following table describes the message header attributes.

| Attribute | Value | Comment |
|-----------------|----------------------------------|---|
| CompetitionCode | CC @Competition | Unique ID for competition |
| DocumentCode | Full RSC | Sent according to the ODF Common Codes document (header values) though it is expected in all phases where there is more than one unit. |
| DocumentSubcode | N/A | Not used in STK |
| DocumentType | DT_PHASE_RESULT | Phase Results message |
| DocumentSubtype | N/A | Not used in STK |
| Version | 1..V | Version number associated to the message's content. Ascendant number |
| ResultStatus | SC @ResultStatus | It indicates whether the result is official or unofficial. INTERMEDIATE (used after each unit in the phase) LIVE OFFICIAL UNOFFICIAL PROTESTED |
| FeedFlag | "P"-Production "T"-Test | Test message or production message. |
| Date | Date | Date when the message is generated, expressed in the local time zone where the message was produced. |
| Time | Time | Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced. |
| LogicalDate | Date | Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after |



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

2.2.5.3 Trigger and Frequency

Send as follows:

- * Send after each unit in the phase (INTERMEDIATE). Do not send data for units which have not started.
- * Send as UNCONFIRMED / UNOFFICIAL / OFFICIAL when all units are complete.

2.2.5.4 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 |
|-----------------------------------|-------------------------------------|--|----------------|---------|---------|---------|
| Competition (0,1) | | | | | | |
| | ExtendedInfos (0,1) | | | | | |
| | | ExtendedInfo (0,N) | | | | |
| | | | Type | | | |
| | | | Code | | | |
| | | | Pos | | | |
| | | | Value | | | |
| | | SportDescription (0,1) | | | | |
| | | | DisciplineName | | | |
| | | | EventName | | | |
| | | | SubEventName | | | |
| | | | Gender | | | |
| | | VenueDescription (0,1) | | | | |



| | |
|---------------------|-------------------------------|
| | Venue |
| | VenueName |
| | Location |
| | LocationName |
| <u>Result (1,N)</u> | |
| | Rank |
| | RankEqual |
| | ResultType |
| | Result |
| | IRM |
| | QualificationMark |
| | SortOrder |
| | <u>ExtendedResults (0,1)</u> |
| | <u>ExtendedResult (1,N)</u> |
| | Type |
| | Code |
| | Pos |
| | Value |
| | <u>RecordIndicators (0,1)</u> |
| | <u>RecordIndicator (1,N)</u> |
| | Order |
| | Code |
| | RecordType |
| | Equalled |
| | <u>Competitor (1,1)</u> |
| | Code |
| | Type |
| | Organisation |
| | <u>Description (0,1)</u> |
| | TeamName |
| | IFId |
| | <u>Composition (0,1)</u> |



| | |
|--|---|
| | <p>Athlete (1,N)</p> <p>Code</p> <p>Order</p> <p>Bib</p> <p>Description (1,1)</p> <p>GivenName</p> <p>FamilyName</p> <p>Gender</p> <p>Organisation</p> <p>BirthDate</p> <p>IFId</p> |
|--|---|

2.2.5.5 Message Values

| Element: ExtendedInfos /ExtendedInfo (0,N) | | | | |
|--|-----------|-----|-----------------------------|---|
| Type | Code | Pos | Description | |
| EI | LAST_UNIT | N/A | Element Expected: Always | |
| | Attribute | M/O | Value | Description |
| | Value | O | S(34) | Full RSC of the first unit (if not started) or most recent unit information included in the message |

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

| Element: ExtendedInfos /VenueDescription (0,1) | | | |
|--|-----|-------|-------------|
| Venue Names in Text. | | | |
| Attribute | M/O | Value | Description |



| | | | |
|--------------|---|-------------------------------|--|
| Venue | M | CC @VenueCode | Venue Code |
| VenueName | M | S(25) | Venue short name (not code) from Common Codes |
| Location | M | CC @Location | Location code |
| LocationName | M | S(30) | Location short name (not code) from Common Codes |

Element: Result (1,N)

For any Phase Results message, there should be at least one competitor being awarded a result for the phase.

| Attribute | M/O | Value | Description |
|-------------------|-----|---------------------------------------|---|
| Rank | O | S(2) | Rank of the competitor in the corresponding unit within the phase. This attribute is optional because the competitor could get an invalid rank mark. |
| RankEqual | O | Y | Identifies if a rank has been equalled. Only send if applicable |
| ResultType | O | SC @ResultType | Type of the @Result attribute |
| Result | O | m:ss.ff | Result for the particular phase |
| IRM | O | SC @IRM | The invalid result mark, in case it is assigned |
| QualificationMark | O | SC @QualificationMark | The code which gives an indication on the qualification of the competitor for the next round of the competition |
| SortOrder | M | Numeric | This attribute is a sequential number with the order of the results for the particular phase, if they were to be presented. In principle the sort of unit followed by rank. |

Element: Result /ExtendedResults /ExtendedResult (1,N)

| Type | Code | Pos | Description |
|------|---------------------|------------|---|
| ER | UNIT_NUM | N/A | Element Expected: Always |
| | Attribute | M/O | Value |
| | Value | O | S(2) |
| | Description | | Send the heat number/letter |
| ER | UNIT_STARTORDE R | N/A | Element Expected: Always |
| | Attribute | M/O | Value |
| | Value | O | Numeric #0 |
| | Description | | Send the starting order for the competitor in the unit. |
| ER | RACE_NUM | N/A | Element Expected: Always |
| | Attribute | M/O | Value |
| | Description | | |



| | | | | |
|--|-------|---|----------------|-----------------------|
| | Value | O | Numeric ##0 | Send the race number. |
|--|-------|---|----------------|-----------------------|

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

Phase result's record indicator.

| Attribute | M/O | Value | Description |
|------------|-----|--------------------------------|---|
| Order | M | Numeric | The hierarchy (priority) for types of record from 1 to n. (Can use the Order column from CC @RecordType for reference). |
| Code | M | CC @RecordCode | Code which describes the record broken by the result value. |
| RecordType | M | CC @RecordType | Code which specifies the level at which the record is broken (e.g. "OR"). If more than one then send the highest level |
| Equalled | O | S(1) | Send "Y" in the case that the record has been equalled else do not send. |

Element: Result /Competitor (1,1)

Competitor related to one phase result.

| Attribute | M/O | Value | Description |
|--------------|-----|----------------------------------|-----------------------------|
| Code | M | S(20) with no leading zeroes | Competitor's ID |
| Type | M | T,A | T for team A for athlete |
| Organisation | M | CC @Organisation | Competitor's organisation |

Element: 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 / groups. Not usually for pairs (figure skating & beach volleyball are the exceptions). |
| IFId | O | S(16) | International Federation ID |

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

| Attribute | M/O | Value | Description |
|-----------|-----|------------------------------|---|
| Code | M | S(20) with no leading zeroes | Athlete's ID, corresponding to either a team member or a single athlete |



| | | | |
|-------|---|---------|---|
| Order | M | Numeric | 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's helmet number |

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

Athletes extended information.

| Attribute | M/O | Value | Description |
|--------------|-----|----------------------------------|---|
| GivenName | O | S(25) | Given name in WNPA format (mixed case) |
| FamilyName | M | S(25) | Family name in WNPA format (mixed case) |
| Gender | M | CC @PersonGender | Gender of the athlete |
| Organisation | M | CC @Organisation | Athletes' organisation |
| BirthDate | O | Date | Birth date (example: YYYY-MM-DD). Must include if the data is available |
| IFId | O | S(16) | International Federation ID |

Sample (ExtendeResults)

```

...
<Result SortOrder="1" Rank="1" ResultType="TIME" Result="2:21.483" QualificationMark="QA">
  <ExtendedResults>
    <ExtendedResult Type="ER" Code="UNIT_NUM" Value="1" />
    <ExtendedResult Type="ER" Code="UNIT_STARTORDER" Value="3" />
    <ExtendedResult Type="ER" Code="RACE_NUM" Value="12" />
  </ExtendedResults>
  <Competitor Type=... >
    <Composition>
...

```

2.2.5.6 Message Sort

Sort by Result @SortOrder



2.2.6 Records

2.2.6.1 Description

This message applies for all records depending on the sport.

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

Special Situations - Not Established Records:

There are some situations where there are no records for a particular event. This can happen, for example, when the sport rules change (different weights or distances) or new events are introduced. If this occurs then the NotEstablished flag is used to indicate this situation.

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

2.2.6.2 Header Values

The following table describes the message header attributes.

| Attribute | Value | Comment |
|-----------------|---------------------------------|--|
| CompetitionCode | CC @Competition | Unique ID for competition |
| DocumentCode | Full RSC (discipline level) | RSC of the Discipline |
| DocumentSubcode | CC @RecordCode | If the message is sent as a result of a record being modified (broken, equalled or re-instated) then this attribute will be included and is the Record Event for the modification. |
| DocumentType | DT_RECORD | Records message |
| DocumentSubtype | FULL, PARTIAL | Send "FULL" if all records included. Send "PARTIAL" if only one record code is included. |
| Version | 1..V | Version number associated to the message's content. Ascendant number |
| FeedFlag | "P"-Production "T"-Test | Test message or production message. |
| Date | Date | Date when the message is generated, expressed in the local time zone where the message was produced. |
| Time | Time | Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced. |
| LogicalDate | Date | Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight. If an event unit continues after midnight (24:00), all messages |



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

2.2.6.3 Trigger and Frequency

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

After competition start it will be triggered with each new record set or equalled.

2.2.6.4 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) | | | | | | | | |
| | ExtendedInfos (0,1) | | | | | | | |
| | | SportDescription (0,1) | | | | | | |
| | | | DisciplineName | | | | | |
| | Record (1,N) | | | | | | | |
| | | Code | | | | | | |
| | | Description (1,1) | | | | | | |
| | | | Name | | | | | |
| | | RecordType (1,N) | | | | | | |
| | | | Order | | | | | |
| | | | RecordType | | | | | |
| | | | Shared | | | | | |
| | | | RecordData (0,N) | | | | | |



| |
|--------------------------|
| Order |
| ResultType |
| Result |
| Unit |
| Country |
| Place |
| Date |
| Time |
| Equalled |
| Unconfirmed |
| Competition |
| Historical |
| Current |
| ModificationIndicator |
| <u>Competitor (0,1)</u> |
| Code |
| Type |
| Organisation |
| <u>Description (0,1)</u> |
| TeamName |
| IFId |
| <u>Composition (0,1)</u> |
| <u>Athlete (1,N)</u> |
| Code |
| Order |
| <u>Description (0,1)</u> |
| GivenName |
| FamilyName |
| Gender |
| Organisation |



| | |
|--|-----------|
| | BirthDate |
| | IFId |

2.2.6.5 Message Values

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

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

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

| Element: Record /RecordType (1,N) | | | |
|---|-----|--------------------------------|---|
| It is possible to have more than one element with the same type (as in the case of National Records). | | | |
| Attribute | M/O | Value | Description |
| Order | M | Numeric #0 | The hierarchy (priority) for types of records from 1 to n. (Can use the Order column from CC @RecordType for reference). Short Track does not have a hierarchy as the records are different but this is still required. |
| RecordType | M | CC @RecordType | Record type. |
| Shared | M | S(1) | Y-There is more than one competitor sharing the record N-There is just one competitor holding the record |

| Element: Record /RecordType /RecordData (0,N) | | | |
|---|-----|------------|---|
| RecordData is not sent for NotEstablished Records unless a "standard" applies | | | |
| Attribute | M/O | Value | Description |
| Order | M | Numeric #0 | In the case that a record (RecordType) is provided several times in the message, then Order is the chronological order for the records (1,N). 1 will be |



| | | | |
|-------------|---|--------------------------------|--|
| | | | usually the historical record and for each record broken during the competition a new order value will be provided. Usually first time the record is broken will have Order="2", second time Order="3" etc. Send 1 for records (RecordType) not shared (historical records) |
| ResultType | M | SC @ResultType | TIME |
| Result | O | m:ss:fff | The performance of the competitor for the record. Do not send leading zeros. |
| Unit | O | CC @Unit | Include the event unit in the current competition where the record was broken. It is the full RSC Send always (Mandatory) in the case Historical="N". |
| Country | O | CC @Country | Send always unless the record is not established. Country code where the record was broken |
| Place | O | S(40) | Send always unless the record is not established. Place (town or city) where the record was broken (example: "Salt Lake City"). |
| Date | O | YYYY-MM-DD | Send always unless the record is not established. Date when the record was broken (for the current competition, the date will be assumed to be the date scheduled for the @Unit attribute) |
| Time | O | Time | Time the record was set. Send always (Mandatory) in the case of Historical="N". |
| Equalled | O | S(1) | Send "Y" if the existing record is equalled. Do not send if the record is not equalled. |
| Unconfirmed | O | S(1) | Send only in the case that Historical="Y" and if it is required in the specific discipline, since some historical records / record types may not be confirmed. Send "Y" if the record is Unconfirmed else do not send. The normal situation is do not send. |
| Competition | O | S(40) | Send the text of the competition name where the record was broken (example: "2013 World Championships", "2012 Olympic Games", etc.). |
| Historical | M | S(1) | Send "Y" if the record for competitor was not achieved during the current competition. Send "N" if the record for the competitor was achieved during the current competition. |
| Current | O | S(1) | Send "Y" in the case that this is the current record else |



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

Element: Record /RecordType /RecordData /Competitor (0,1)
Competitor to whom the record is assigned.
 Athlete's or team's information should be in DT_PARTIC (Historic) if Competitor @Type="A" or DT_PARTIC_TEAMS (Historic) if Competitor @Type="T".

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

Element: Record /RecordType /RecordData /Competitor /Description (0,1)
Competitors extended information.

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

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

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

Element: Record /RecordType /RecordData /Competitor /Composition /Athlete /Description (0,1)
Athletes extended information.

| Attribute | M/O | Value | Description |
|-----------|-----|-------|-------------|
|-----------|-----|-------|-------------|



| | | | |
|--------------|---|------------------|---|
| GivenName | O | S(25) | Given name in WNPA format (mixed case) |
| FamilyName | M | S(25) | Family name in WNPA format (mixed case) |
| Gender | M | CC @PersonGender | Gender of the athlete |
| Organisation | M | CC @Organisation | Athletes' organisation |
| BirthDate | O | Date | Birth date (example: YYYY-MM-DD). Must include if the data is available |
| IFId | O | S(16) | International Federation ID |

Sample (Records)

```

...
<Record Code="STKM500M-----">
  <RecordType Order="1" RecordType="WR" Shared="N">
    <RecordData Order="1" ResultType="TIME" Result="40.770" Country="CAN"
Place="Vancouver, BC" Date="2010-02-26" Competition="Olympic Games" Historical="Y" Current="Y" >
      <Competitor Code="1098720" Type="A" Organisation="NZL" >
        <Composition>
          <Athlete Code="1098720" Order="1">
            <Description FamilyName="John" GivenName="Smith"
Gender="M" Organisation="NZL" BirthDate="1989-12-15" />
          </Athlete>
        </Composition>
      </Competitor>
    </RecordData>
  </RecordType>
  <RecordType Order="2" RecordType="OR" Shared="N">
    <RecordData ...
...

```

2.2.6.6 Message Sort

The following order applies:

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



2.2.7 Event Final Ranking

2.2.7.1 Description

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

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

2.2.7.2 Header Values

The following table describes the message header attributes.

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



| | | |
|--------|----------------------------|---|
| | | For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction. Logical Date is expressed in the local time zone where the message was produced. |
| Source | SC @Source | Code indicating the system which generated the message. |

2.2.7.3 Trigger and Frequency

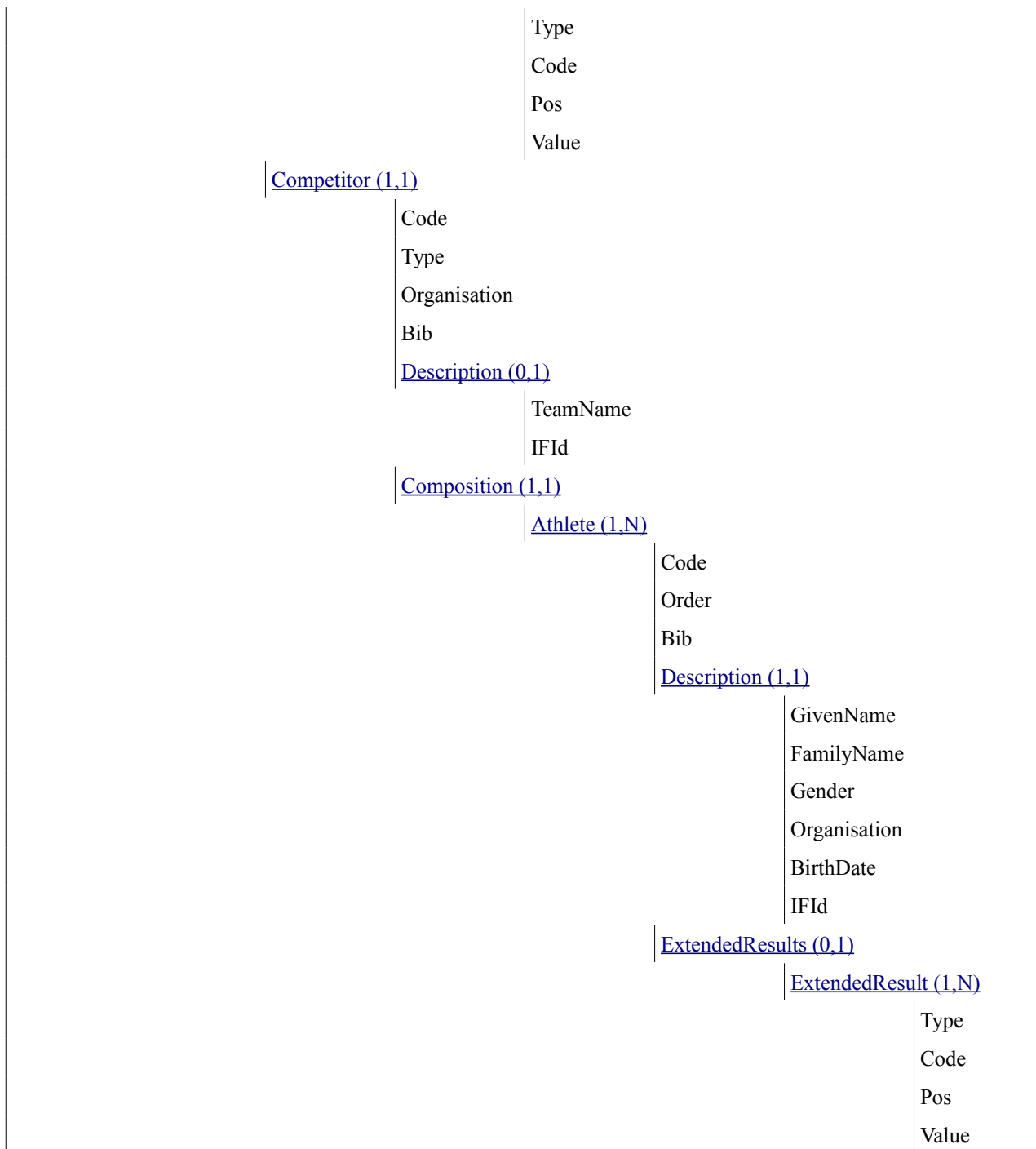
This message is only triggered after a unit which affects the final ranking is official and that particular ranking is not subject to change.

The message is expected at the end of each phase along with each change but only those competitors whose final ranking is official and that particular ranking is not subject to change.

2.2.7.4 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) | | | | | | | |
| | ExtendedInfos (0,1) | | | | | | |
| | | SportDescription (0,1) | | | | | |
| | | | DisciplineName | | | | |
| | | | EventName | | | | |
| | | | Gender | | | | |
| | | VenueDescription (0,1) | | | | | |
| | | | Venue | | | | |
| | | | VenueName | | | | |
| | Result (1,N) | | | | | | |
| | | Rank | | | | | |
| | | RankEqual | | | | | |
| | | ResultType | | | | | |
| | | Result | | | | | |
| | | IRM | | | | | |
| | | SortOrder | | | | | |
| | | ExtendedResults (0,1) | | | | | |
| | | | ExtendedResult (1,N) | | | | |



2.2.7.5 Message Values



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

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

| Element: 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 | String | Final rank of the competitor in the corresponding event. This attribute is optional because the competitor could get an empty rank in the case of a red card, for example. |
| RankEqual | O | Y | Identifies if a rank has been equalled. Only send if applicable |
| ResultType | O | SC @ResultType | Result type, for the corresponding event, mandatory if Result or IRM is included. |
| Result | O | m:ss.fff | Best time for the competitor regardless of phase. May be empty in the case of a referee decision to suppress time. |
| IRM | O | SC @IRM | The invalid result mark, in case it is assigned |
| SortOrder | M | Numeric | This attribute is a sequential number with the order of the results for the particular event, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank. |

| Element: Result /ExtendedResults /ExtendedResult (1,N) | | | |
|---|--|--|--|
|---|--|--|--|



| Type | Code | Pos | Description |
|------------------|------------|---------------------------------|---|
| ER | RECORD | N/A | Element Expected: When available |
| Attribute | M/O | Value | Description |
| Value | O | CC @RecordType | Indicates if the result of the competitor is a record (highest only) |
| UNIT_LAST | PHASE | N/A | Element Expected: Always |
| Attribute | M/O | Value | Description |
| Value | O | SC @ResultPhase | Last Phase reached by the competitor |
| UNIT_LAST | RANK | N/A | Element Expected: If available |
| Attribute | M/O | Value | Description |
| Value | O | S(2) | The rank of the competitor in the last phase reached |
| UNIT_LAST | IRM | N/A | Element Expected: If the competitor received an IRM in the last race |
| Attribute | M/O | Value | Description |
| Value | O | SC @IRM | IRM of the competitor if applicable in the last round reached. |
| UNIT_ALL | RANK | N/A | Element Expected: Only in the case of individual events |
| Attribute | M/O | Value | Description |
| Value | O | S(7) | Rank in all qualification rounds. Separated by -, For example 2-1-1 |

Element: Result /Competitor (1,1)

Competitor related to one final event result.

| Attribute | M/O | Value | Description |
|--------------|-----|--------------------------------------|---|
| Code | M | S(20) with no leading zeroes, NOC ID | Competitor's ID. If NOC or NPC, the value will be NOC ID. "NOCOMP" in the case where there is no competitor in the rank due to IRM. |
| Type | M | T,A | T for team A for athlete |
| Organisation | O | CC @Organisation | Competitor's organisation if known |



| | | | |
|-----|---|-----------------------|----------------|
| Bib | O | Defined by Discipline | Competitor Bib |
|-----|---|-----------------------|----------------|

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

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

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

| Attribute | M/O | Value | Description |
|-----------|-----|------------------------------|--|
| Code | M | S(20) with no leading zeroes | Athlete's ID, corresponding to an individual athlete or a team member. Team members should be participating in the event. |
| Order | M | Numeric | Order attribute used to sort team members in a team (if Competitor @Type="T") or 1 if Competitor @Type="A". |
| Bib | O | Defined by Discipline | Athlete Bib |

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

| Attribute | M/O | Value | Description |
|--------------|-----|----------------------------------|---|
| GivenName | O | S(25) | Given name in WNPA format (mixed case) |
| FamilyName | M | S(25) | Family name in WNPA format (mixed case) |
| Gender | M | CC @PersonGender | Gender of the athlete |
| Organisation | M | CC @Organisation | Athletes' organisation |
| BirthDate | O | Date | Birth date (example: YYYY-MM-DD). Must include if the data is available |
| IFId | O | S(16) | International Federation ID |

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

Team member's or individual athlete's extended result, depending on whether Competitor @Type="T" or Competitor @Type="A" according to competitors' rules.

| Type | Code | Pos | Description |
|-----------|-----------------|-------|--|
| PHASE | SC @ResultPhase | N/A | Element Expected: When available |
| Attribute | M/O | Value | Description |
| Value | O | S(1) | Send 'Y' if the athlete raced in the phase indicated by @Code or 'N' if they did |



| | | | |
|--|--|--|-----------|
| | | | not race. |
|--|--|--|-----------|

Sample (Individual)

```
...
<Result SortOrder="1" Rank="1" ResultType="TIME" Result="2:14.480">
  <ExtendedResults>
    <ExtendedResult Type="UNIT_LAST" Code="PHASE" Value="FNL" />
    <ExtendedResult Type="UNIT_LAST" Code="RANK" Value="1" />
    <ExtendedResult Type="UNIT_ALL" Code="RANK" Value="2-1" />
  </ExtendedResults>
  <Competitor Type="A" Code="2012272" Organisation="GER" >
    <Composition>
      <Athlete Code="2012272" Order="1">
        <Description GivenName="John" FamilyName="Smith" Gender="M"
Organisation="GER" BirthDate="1994-12-15" />
        </Athlete>
      </Composition>
    </Competitor>
  </Result>
...
<Result SortOrder="36">
  <ExtendedResults>
    <ExtendedResult Type="UNIT_LAST" Code="PHASE" Value="HEAT" />
    <ExtendedResult Type="UNIT_LAST" Code="IRM" Value="PEN" />
    <ExtendedResult Type="UNIT_ALL" Code="RANK" Value="0-0" />
  </ExtendedResults>
  <Competitor Type="A" Code="2000137" Organisation="SWE" >
    <Composition>
      <Athlete Code="2000137" Order="1">
        <Description GivenName="James" FamilyName="Smith" Gender="M"
Organisation="SWE" BirthDate="1994-12-14" />
        </Athlete>
      </Composition>
    </Competitor>
  </Result>
...
```

Sample (Team)



```
...
<Result SortOrder="1" Rank="1" ResultType="TIME" Result="6:42.100">
  <ExtendedResults>
    <ExtendedResult Type="ER" Code="RECORD" Value="OR" />
    <ExtendedResult Type="UNIT_LAST" Code="PHASE" Value="FNL" />
    <ExtendedResult Type="UNIT_LAST" Code="RANK" Value="1" />
  </ExtendedResults>
  <Competitor Type="T" Code="STKMTeam4---RUS01" Organisation="RUS" >
    <Description TeamName="Russia" />
    <Composition>
      <Athlete Code="2000940" Order="1" >
        <Description GivenName="John" FamilyName="Smith" Gender="M"
Organisation="RUS" BirthDate="1994-12-15" />
        <ExtendedResults>
          <ExtendedResult Type="PHASE" Code="HEAT" Value="Y" />
          <ExtendedResult Type="PHASE" Code="F" Value="Y" />
        </ExtendedResults>
      </Athlete>
      <Athlete Code="2000943" Order="2" >
        <Description GivenName="John" FamilyName="Brown" Gender="M"
Organisation="RUS" BirthDate="1994-12-14" />
        <ExtendedResults>
          <ExtendedResult Type="PHASE" Code="HEAT" Value="N" />
          <ExtendedResult Type="PHASE" Code="F" Value="Y" />
        </ExtendedResults>
      </Athlete>
      <Athlete Code="2000946" Order="3" >
        <Description GivenName="John" FamilyName="White" Gender="M"
Organisation="RUS" BirthDate="1993-12-13" />
        <ExtendedResults>
          <ExtendedResult Type="PHASE" Code="HEAT" Value="Y" />
          <ExtendedResult Type="PHASE" Code="FNL" Value="Y" />
        </ExtendedResults>
      </Athlete>
      <Athlete Code="2000964" Order="4" >
        <Description GivenName="John" FamilyName="Murphy" Gender="M"
Organisation="RUS" BirthDate="1994-12-12" />
        <ExtendedResults>
          <ExtendedResult Type="PHASE" Code="HEAT" Value="Y" />
          <ExtendedResult Type="PHASE" Code="FNL" Value="N" />
        </ExtendedResults>
      </Athlete>
      <Athlete Code="2000967" Order="5" >
        <Description GivenName="John" FamilyName="Jackson" Gender="M"
Organisation="RUS" BirthDate="1994-12-11" />
        <ExtendedResults>
          <ExtendedResult Type="PHASE" Code="HEAT" Value="Y" />
          <ExtendedResult Type="PHASE" Code="FNL" Value="Y" />
        </ExtendedResults>
      </Athlete>
    </Composition>
  </Competitor>
</Result>
```



INTERNATIONAL OLYMPIC COMMITTEE

ODF/INT425 R-WOG-2018-STK-v2.0 APP

2.2.7.6 Message Sort

Sort by Result @SortOrder



2.2.8 Configuration

2.2.8.1 Description

The Configuration is a message containing general configuration.

Ideally the configuration should be provided before competition. However it may be possible that the configuration for one particular event, phase or event unit is not known in advance. In that case send the unknown attributes blank (Value="").

2.2.8.2 Header Values

The following table describes the message header attributes.

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



| | | |
|--------|----------------------------|---|
| | | message was produced. |
| Source | SC @Source | Code indicating the system which generated the message. |

2.2.8.3 Trigger and Frequency

The message is sent prior to any ODF Sports message.

Trigger also after any major change, but considering that, if possible, the configuration for one particular event, phase or event unit must be provided before the start list.

2.2.8.4 Message Structure

The following table defines the structure of the message.

| Level 1 | Level 2 | Level 3 | Level 4 | Level 5 |
|-----------------------------------|-------------------------------|------------------------------|--|------------------------------|
| Competition (0,1) | Configs (1,1) | Config (1,N) | Unit ExtendedConfig (1,N) | Type Code Pos Value |

2.2.8.5 Message Values

| Element: Configs /Config (1,N) | | | |
|--------------------------------|-----|--------------------------|--------------------------------------|
| Attribute | M/O | Value | Description |
| Unit | O | CC @Unit | Full RSC of the Unit at phase level. |

| Element: Configs /Config /ExtendedConfig (1,N) | | | |
|--|--------------|------|--|
| Type | Code | Pos | Description |
| EC | INTERMEDIATE | S(2) | Pos Description: Send the value that identifies the intermediate point, 1 to n for intermediates along the course and F for the finish point. Do not consider start. Element Expected: |



| | | | | |
|---------------|------------------|-------------------|--------------|--|
| | | | | Always |
| | Attribute | M/O | Value | Description |
| | Value | O | Numeric #0 | Send the number of laps remaining at this point. |
| EC | | INTERMEDIATES_NUM | N/A | Element Expected: Always |
| | Attribute | M/O | Value | Description |
| | Value | O | Numeric #0 | Send the total number of intermediate points where the time is recorded not including F. |
| QUALIFICATION | | FROM_RANK | S(1) | Pos Description: Send A or B if this rule is applying for Final A or Final B. If a single final then do not send. Element Expected: When applicable |
| | Attribute | M/O | Value | Description |
| | Value | O | Numeric #0 | Send the qualifying rank to indicate first rank to qualify |
| QUALIFICATION | | TO_RANK | S(1) | Pos Description: Send A or B if this rule is applying for Final A or Final B. If a single final then do not send. Element Expected: When applicable |
| | Attribute | M/O | Value | Description |
| | Value | O | Numeric #0 | Send the qualifying rank to indicate last rank to qualify |
| QUALIFICATION | | QUAL_BT | N/A | Element Expected: When some competitors qualify by time. |
| | Attribute | M/O | Value | Description |
| | Value | O | Numeric #0 | Send the number of athletes who will qualify by time. |
| QUALIFICATION | | QUAL_RULE | N/A | Element Expected: When applicable pre-finals |
| | Attribute | M/O | Value | Description |
| | Value | O | String | Text description of the qualification rule for next phase. |



Sample (Configuration)

```
...
<Configs>
  <Config Unit="STKM1500M-----SFNL-----">
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="1" Value="13" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="2" Value="12" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="3" Value="11" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="4" Value="10" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="5" Value="9" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="6" Value="8" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="7" Value="7" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="8" Value="6" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="9" Value="5" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="10" Value="4" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="11" Value="3" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="12" Value="2" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="13" Value="1" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="F" Value="0" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATES_NUM" Value="13" />
    <ExtendedConfig Type="QUALIFICATION" Code="QUAL_RULE" Value="The first and second
placed skaters from each race qualify for Final A, the third and fourth placed skaters from each race qualify for Final
B." />
    <ExtendedConfig Type="QUALIFICATION" Code="FROM_RANK" Pos="A" Value="1" />
    <ExtendedConfig Type="QUALIFICATION" Code="TO_RANK" Pos="A" Value="2" />
    <ExtendedConfig Type="QUALIFICATION" Code="FROM_RANK" Pos="B" Value="3" />
    <ExtendedConfig Type="QUALIFICATION" Code="TO_RANK" Pos="B" Value="4" />
  </Config>
...

```

2.2.8.6 Message Sort

There is no general message sorting rule.



2.2.9 Event Unit Weather conditions

2.2.9.1 Description

The Event Unit Weather Conditions is a message containing the weather conditions in the Event Unit.

2.2.9.2 Header Values

The following table describes the message header attributes.

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



2.2.9.3 Trigger and Frequency

Trigger approximately one hour before the start of the session and again if there is a significant change in the conditions.

2.2.9.4 Message Structure

The following table defines the structure of the message.

| Level 1 | Level 2 | Level 3 | Level 4 | Level 5 |
|-----------------------------------|-------------------------------|----------------------------------|-----------------------------------|---------|
| Competition (0,1) | | | | |
| | Weather (1,1) | | | |
| | | Conditions (1,N) | | |
| | | | Code | |
| | | | Humidity | |
| | | | Condition (0,3) | |
| | | | | Code |
| | | | | Value |
| | | | Pressure (0,N) | |
| | | | | Unit |
| | | | | Value |
| | | | Temperature (0,N) | |
| | | | | Code |
| | | | | Unit |
| | | | | Value |

2.2.9.5 Message Values

| Element: Weather /Conditions (1,N) | | | |
|------------------------------------|-----|----------------------------------|-------------------------------|
| Attribute | M/O | Value | Description |
| Code | M | SC @WeatherPoint | Weather points, send GEN only |
| Humidity | O | Numeric ##0 | Humidity in % |

| Element: Weather /Conditions /Condition (0,3) | | | |
|--|-----|-------|-------------|
| Send three times in the case of Winter conditions. | | | |
| Attribute | M/O | Value | Description |



| | | | |
|-------|---|------------------------------------|---------------------------------------|
| Code | M | S(3) | Weather condition type, send ICE only |
| Value | M | CC @SnowConditions | Use CC @SnowConditions for ICE |

| Element: Weather /Conditions /Pressure (0,N) | | | |
|--|-----|-----------------|--|
| Attribute | M/O | Value | Description |
| Unit | M | S(2) | Send "Pa", Metric system unit for Pressure |
| Value | M | Numeric ###0 | Air pressure |

| Element: Weather /Conditions /Temperature (0,N) | | | |
|---|-----|-------------------------------------|--|
| Send with three different @Code in the case of Winter conditions. | | | |
| Attribute | M/O | Value | Description |
| Code | M | S(4) | Temperature type, send AIR, ICE |
| Unit | M | SC @TemperatureUnit | Unit for temperature, send both |
| Value | M | Numeric -##0.0 or ##0.0 | Temperature of the @Code. Negative is applicable |

Sample (Weather Conditions)

```

...
<Weather>
  <Conditions Code="GEN" Humidity="31" >
    <Condition Code="ICE" Value="nor" />
    <Pressure Unit="Pa" Value="1005" />
    <Temperature Code="AIR" Unit="C" Value="15.3" />
    <Temperature Code="AIR" Unit="F" Value="59.5" />
    <Temperature Code="ICE" Unit="C" Value="-5.8" />
    <Temperature Code="ICE" Unit="F" Value="21.6" />
  </Conditions>
</Weather>
...

```

2.2.9.6 Message Sort

There is no special sort order requirement for this message. Usually, Conditions@code is the attribute used to sort the conditions.



3 Message Timeline

3.1 Preparation Phase

| Trigger | Message | Status | D | E | P | S | U |
|--------------------------------|--|--------|---|---|---|---|---|
| OVR gets Initial data | DT_CODES | | X | | | | |
| | DT_SCHEDULE | | X | | | | |
| | DT_PARTIC | | | | | | |
| OVR sends | DT_CONFIG | | | X | | | |
| | DT_PDF C08 Schedule | | X | | | | |
| | | | | | | | |
| After changes of athlete data | DT_PARTIC_UPDATE | | X | | | | |
| After changes of team data | DT_PARTIC_TEAM_UPDATE | | X | | | | |
| | | | | | | | |
| When athlete data is confirmed | DT_PDF C32A, C32E2 Entry List | | | X | | | |
| | DT_PDF C35 Competition Officials | | | X | | | |

3.2 Before, During, After ...

| Trigger | Message | Status | D | E | P | S | U |
|----------------------------------|--|---------------|---|---|---|---|---|
| Start List is known (Day before) | DT_RESULT | START_LIST | | | | | X |
| | DT_PDF C51X Start List | | | | | X | |
| At scheduled start time (0') | DT_SCHEDULE_UPDATE | GETTING_READY | X | | | o | o |
| | DT_RESULT | LIVE | | | | | X |
| | | | | | | | |
| Start | DT_SCHEDULE_UPDATE | RUNNING | X | | | o | o |
| Split time | DT_RESULT | | | | | | X |
| Finish | DT_SCHEDULE_UPDATE | FINISHED | | | | | X |



| Trigger | Message | Status | D | E | P | S | U |
|-------------------------------------|--|------------|---|---|---|---|---|
| | DT_RESULT | UNOFFICIAL | | | | | X |
| | DT_RESULT | OFFICIAL | | | | | X |
| Last heat in a round | DT_PHASE_RESULT | OFFICIAL | | | X | | |
| | DT_PDF C73X Results | | | | X | | |
| | DT_RANKING | | | X | | | |
| Seeding for next round is confirmed | DT_RESULT | START_LIST | | | X | | |
| | DT_PDF C51X Start List | | | | | X | |
| * repeated for each athlete | | | | | | | |
| | | | | | | | |



3.3 At the end of the event

| Trigger | Message | Status | D | E | P | S | U |
|-----------------------------------|-------------------------------------|----------|---|---|---|---|---|
| After last event unit is official | DT_MEDALLIST | OFFICIAL | | X | | | |
| | DT_MEDALLIST_DISCIPLINE | | X | | | | |
| | DT_PDF C74X Distance classification | | | X | | | |
| | DT_PDF C92X Medallist | | | X | | | |
| | | | | | | | |
| DT_PDF C92A Medallist | DT_PDF C93 Medallists by Event | | 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 |
| v1.0 | 26 Feb 2015 | First Version |
| v1.1 | 12 Mar 2015 | Updated with Omega comments |
| v1.2 | 7 Jul 2015 | Updated code system |
| v1.3 | 9 Sep 2015 | Updated |
| v1.4 | 4 Jan 2016 | Status Change |
| v1.5 | 24 Mar 2016 | Updated |
| v1.6 | 24 Jun 2016 | Updated |
| v1.7 | 10 Nov 2016 | Updated |
| v1.8 | 22 Dec 2016 | Minor update |
| v1.9 | 23 Feb 2017 | CR14627 |
| v2.0 | 2 Mar 2017 | First version as a full document |

File Reference: ODF/INT425 R-WOG-2018-STK-v2.0 APP

| Change Log | | |
|------------|--------|---|
| Version | Status | Changes on version |
| v1.0 | Draft | First Version |
| v1.1 | SFR | Omega review |
| v1.2 | SFR | Updated to new codes. Changed @ResultPhase codes to match new RSCs |
| v1.3 | SFR | For consistency, updated to send intermediate point at finish as in speed skating. |
| v1.4 | SFA | Status Change |
| v1.5 | SFA | Corrected sample in DT_CONFIG Add flag for photo in DT_RESULT Add last intermediate passed in DT_RESULT CR8928, DT_PARTIC add 'Substitute' at Discipline/RegisteredEvent and remove extension CR8930 - Change header in phase results message |
| v1.6 | APP | Correct typographical error in DT_RECORD in the sample |
| v1.7 | APP | In message timeline updated DT_RANKING to after each round |
| v1.8 | APP | Added clarification in DT_RANKING Trigger |
| v1.9 | APP | DT_IMAGE: CR14627 - Add Result Element to include competitors in the message |
| v2.0 | APP | First version as a full document |



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