



Olympic Data Feed

ODF Snowboard Data Dictionary

4 November 2011
Technology Department
© International Olympic Committee



License

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

1. You may, on a non-exclusive basis, use the Document only on the condition that you abide by the terms of this license. Subject to this condition and other terms and restrictions contained herein, the Document and the information contained therein may be used (i) to further develop the standards described in the Document for use in relation with the Olympic Games and/or (ii) to develop similar standards for other events than the Olympic Games (both (i) and (ii) are hereinafter designated as the Permitted Use, and works further developing these standards for the Olympic Games or developing similar standards for other events are hereinafter referred to as Derivative Works), and copies of the Document or of Derivative Works may be made and distributed for the purpose of the Permitted Use, PROVIDED THAT the COPYRIGHT and references to the IOC appearing in the Document and the TERMS OF THIS LICENSE are included on ALL such COPIES, and further PROVIDED THAT you do not charge any fee or any other monetary compensation for the distribution of the Document to others. The copyright and other intellectual property rights in the Document remain vested in the IOC and the IOC remains entitled to assert his copyright or other intellectual property rights in the Document against any person or entity who does not comply with the terms of this License.

2. A copy of any Derivative Work shall be provided to the IOC free of charge. Moreover, the IOC is granted a worldwide, perpetual, unrestricted, royalty-free non-exclusive license to use any Derivative Work for the further development of the standards made by or for the IOC in relation to the Olympic Games (these standards and the documents describing them are hereinafter referred to as Further Standards) and to make or have made all kinds of exploitation of the Further Standards, with the right to grant sub-licenses.

3. Except if reproduced in the Document, the use of the name and trademarks of the IOC is strictly prohibited, including, without limitation, for advertising, publicity, or in relation to products or services and their names. Any use of the name or trademarks of the IOC, whether registered or not, shall require the specific written prior permission of the IOC.

4. NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE REGARDING THE ACCURACY, ADEQUACY, COMPLETENESS, RELIABILITY OR USEFULNESS OF ANY INFORMATION CONTAINED IN THE DOCUMENT. The Document and the information contained herein are provided on an "as is" basis. THE IOC DISCLAIMS ALL WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF NON-INFRINGEMENT OF PROPRIETARY RIGHTS, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL THE IOC BE LIABLE TO ANYONE FOR DAMAGES OF ANY KIND ARISING FROM OR RELATING TO YOUR ACQUISITION, USE, DUPLICATION, DISTRIBUTION, OR EXPLOITATION OF THE DOCUMENT OR ANY PORTION THEREOF, INCLUDING BUT NOT LIMITED TO, COMPENSATORY DAMAGES, LOST PROFITS, LOST DATA OR ANY FORM OF SPECIAL, INCIDENTAL, DIRECT, INDIRECT, CONSEQUENTIAL OR PUNITIVE DAMAGES, WHETHER BASED ON BREACH OF CONTRACT OR WARRANTY, TORT OR OTHERWISE. THE IOC FURTHER DISCLAIMS ANY LIABILITY FOR ANY DAMAGE CAUSED WHEN THE DOCUMENT IS USED IN A DERIVATIVE WORK. The IOC further disclaims any liability regarding the existence or inexistence of any intellectual property or other rights that might be claimed by third parties with respect to the implementation or use of the technology or information described in the Document.

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

5. This License is perpetual subject to your conformance to its terms and conditions. The IOC may terminate this License immediately upon your breach of any of its terms and, upon such termination you will cease all use, duplication, distribution, and/or exploitation in any manner of the Document.

6. This License is governed by the laws of Switzerland. You agree that any disputes arising from or relating to this License will be resolved in the courts of Lausanne, Switzerland.

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



DOCUMENT CONTROL

Version history

| Version | Date | Comments |
|---------|-----------------|---|
| 1.0 | 01 July 2011 | Submitted for review version |
| 1.1 | 15 July 2011 | SFA Version |
| 1.2 | 29 July 2011 | Reviewer comments and APP version |
| 1.3 | 11 August 2011 | Additional reviewer comments |
| 1.4 | 4 November 2011 | References to DTX_SCHEDULE, DTX_COMMUNICATION, DTX_PARTIC_ATHLETES and DTX_PARTIC_TEAMS removed |

File reference: ODF/INT111-R1-v1.3 APP

Change Log

| Version | Status | Changes on version |
|---------|--------|--|
| 1.0 | SFR | <ul style="list-style-type: none">• First version |
| 1.1 | SFA | <ul style="list-style-type: none">• SFA Version |
| 1.2 | APP | <ul style="list-style-type: none">• Section 3: Removed QUARTERFINALS from CC@Group• Section 5.3.5 CC@Functions reviewed• Section 5.4.5: Value for ER_SB/SB_JUDGE redefined• Section 5.6.5: Value for ER_SB/SB_RCE_PTS redefined |
| 1.3 | APP | <ul style="list-style-type: none">• Section 3: Removed SEMI_FINALS from CC@Group• Section 3: Removed SFL from CC@QualificationMark• Section 5.3.5 JDG6 CC@Functions added• Section 5.3.5 PI_QUALIFICATION_RULE reviewed• Section 5.4.5 Result Value changed to N(3).N(1) 990.0• Section 5.4.5 ER_SB – SB_JUDGE Value changed to N(3) 990• Section 5.4.5 ER_SB-SB_JUDGES Value changed to N(3).N(1) 990.0• Section 5.5.5 Result value changed to N(3).N(1) 990.0 |
| 1.4 | APP | <ul style="list-style-type: none">• References to DTX_SCHEDULE, DTX_COMMUNICATION, DTX_PARTIC_ATHLETES and DTX_PARTIC_TEAMS removed |



TABLE OF CONTENT

| | |
|--|-----------|
| License | 2 |
| DOCUMENT CONTROL | 3 |
| TABLE OF CONTENT | 4 |
| 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. Overall Perspective | 8 |
| 2.1. Objective | 8 |
| 2.2. End to End data flow | 8 |
| 3. Codes | 9 |
| 4. Applicable Messages | 10 |
| 5. Snowboard Data Extension | 11 |
| 5.1. General Issues | 11 |
| 5.1.1. ODF header | 11 |
| 5.1.2. Attributes Definition | 11 |
| 5.2. Start List | 12 |
| 5.2.1. Description | 12 |
| 5.2.2. Header Values | 12 |
| 5.2.3. Trigger and Frequency..... | 12 |
| 5.2.4. Message Structure | 12 |
| 5.2.5. Message Values..... | 12 |
| 5.2.6. Message sort..... | 15 |
| 5.3. Event Unit Results..... | 16 |
| 5.3.1. Description | 16 |
| 5.3.2. Header Values | 16 |
| 5.3.3. Trigger and Frequency..... | 16 |
| 5.3.4. Message Structure | 16 |
| 5.3.5. Message Values..... | 16 |
| 5.3.6. Message sort..... | 18 |
| 5.4. Cumulative Results | 19 |
| 5.4.1. Description | 19 |
| 5.4.2. Header Values | 19 |
| 5.4.3. Trigger and Frequency..... | 19 |
| 5.4.4. Message Structure | 19 |
| 5.4.5. Message Values..... | 19 |
| 5.4.6. Message sort..... | 20 |
| 5.5. Event Final Ranking | 21 |



| | | |
|--------|--|-----------|
| 5.5.1. | Description | 21 |
| 5.5.2. | Header Values | 21 |
| 5.5.3. | Trigger and Frequency..... | 21 |
| 5.5.4. | Message Structure | 21 |
| 5.5.5. | Message Values..... | 21 |
| 5.5.6. | Message sort..... | 22 |
| | <i>This page has been intentionally left blank</i> | <i>23</i> |



1. Introduction

1.1. This document

This document includes the ODF Snowboard Data Dictionary. This Data Dictionary refines the messages described in the ODF Light Messages Interface Document specifically for Snowboard, as well as defines the codes used in these messages.

1.2. Objective

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

1.3. Main Audience

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

1.4. Glossary

The following abbreviations are used in this document

- **IF** – International Federation
- **IOC** – International Olympic Committee
- **NOC** – National Olympic Committee
- **ODF** – Olympic Data Feed
- **ODF-RT** – Olympic Data Feed Real Time
- **RSC** – Results System Codes
- **SB** – Snowboard
- **WNPA** – World News Press Agencies

1.5. Related Documents

| Document Reference | Document Title | Document Description |
|--------------------|---------------------------|---|
| ODF/COD101 | ODF Common Codes Document | This document describes the ODF codes used across the rest of the ODF documents |
| ODF/INT100 | ODF Light Messages | This document describes the |



| | | |
|--|--------------------|--------------------|
| | Interface Document | ODF Light messages |
|--|--------------------|--------------------|



2. Overall Perspective

2.1. Objective

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

2.2. End to End data flow

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

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

Any ODF Snowboard message should follow all the previous definitions in order to be considered as an ODF compliant message



3. Codes

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

CC @CodeEntity

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

The following table describes the codes entities used in document sorted by name, indicating whether the set of values can be found in the ODF Common Codes Document, or listed in the table itself, otherwise.

| Code Entity | Code Entity Set of Values | |
|--|---|--------------------------------|
| CC @Group | Code | Description |
| | FINAL | Final |
| | QUALIFICATION | Did not qualify for the finals |
| CC @IRM (The codes order provided is according to the sport rules. In case of several DSQ, DNF or DNS, sort by bib number). | Code | Description |
| | DSQ | Disqualified |
| | DNF | Did not finish |
| | DNS | Did not start |
| CC @QualificationMark | Code | Description |
| | FNL | Qualified for final |
| | Q | Qualified |
| CC @ResultType | Code | Description |
| | RT_POINTS | Points |
| | RT_INVALID_RESULT | Invalid Result Mark |
| CC @WeatherConditions | Defined in ODF Common Codes Document See entity Weather Conditions <ul style="list-style-type: none">The entity's attribute to be used is Code | |



4. Applicable Messages

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

- The column “Message type” indicates the DocumentType that identifies a message
- The column “Message name” is the message name identified by the message type
- The column “Message documented” indicates the document where you should go to have the general definition for a particular Message type
- The column “Message used in this sport” indicates whether a message is used in particular for this sport or not. If it is not ticked (X), then the message should not be used for this sport.

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

| Message Type | Message name | Message used in this sport | Message extended in this document |
|-----------------------|-------------------------|----------------------------|-----------------------------------|
| DTX_START_LIST | Start List | X | X |
| DTX_RESULT | Event Unit Results | X | X |
| DTX_CUMULATIVE_RESULT | Cumulative Results | X | X |
| DTX_RANKING | Event Final ranking | X | X |
| DTX_MEDALLISTS | Medallists of one event | X | |



5. Snowboard Data Extension

5.1. General Issues

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

5.1.1. ODF header

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

- ODF Header:

5.1.2. Attributes Definition

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



5.2. Start List

5.2.1. Description

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

5.2.2. Header Values

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

5.2.3. Trigger and Frequency

Please, follow the general definition.

5.2.4. Message Structure

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

- PhaseInfo
- UnitInfo
- UnitDateTime (following the general rules for this element)
- Officials/Official

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

5.2.5. Message Values

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

| Element | Attribute | M/O | Value | Comments |
|---|------------|-----|---------|--|
| Start | StartOrder | O | Numeric | Start order of the competitor in the start list. It could be that the same start order is for two different competitors in some event units. |
| | SortOrder | M | Numeric | In most cases, same as @StartOrder. |
| Start /Competitor /Composition /Athlete | Bib | M | Numeric | Athlete's bib number |



| Element | Attribute | M/O | Value | Comments |
|----------|-----------|-----|---------------------|---|
| Official | Function | M | CC @Func ions | Send the function code: CHF_CMP=Chief of Competition, CHF_HP=Chief of Half Pipe HP_BUI=Half Pipe Builder CHF_SBS =Chief of Slope style SBS_BUI = Slope style Builder FIS_RCED=FIS Race Director, HED_JDG=Head Judge, AST_HJDG=Assistant Head Judge, JDG1 = Judge 1, JDG2 = Judge 2, JDG3 = Judge 3, JDG4 = Judge 4, JDG5 = Judge 5, JDG6 = Judge 6, FIS_EVE_DLG=FIS Event Delegate |
| | Order | O | Numeric | According to the Sport Rules |

In this discipline the Rules of qualification depend on the Phase or the Unit, then two different elements will use for it, see the description below.

The following table describes in more detail the PhaseInfo element):

| Element: PhaseInfo | | | | |
|-----------------------|----------------------------|---------|--------------|---|
| Type | Code | Pos | Value | Description |
| PI_QUALIFICATION_RULE | QR_RANK_QUALIFY_NEXT_ROUND | Numeric | N(4) 9990 | For @Type: Send proposed type |
| | | | | For @Code: Send proposed code for the qualification rule. QR_RANK_QUALIFY_NEXT_ROUND is the code that indicates the qualification for next round based on rank. |
| | | | | For @Pos: Send 1 to indicate first rank included in the @Code rule Send 2 to indicate last rank included in the @Code rule |
| | | | | For @Value: Send the rank according to @Code rule and @Pos |
| | | | | |

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

| Type /Code | Description | Expected |
|---|--|---|
| PI_QUALIFICATION_RULE /QR_RANK_QUALIFY_NEXT_ROUND | Qualification for next round based on rank | Always if the rule applies to the competition |
| PI_QUALIFICATION_RULE /QR_RANK_QUALIFY_SEMIFINAL | Qualification for semifinal based on rank | Always if the rule applies to the competition |
| PI_QUALIFICATION_RULE | Qualification for final based on | Always if the rule applies to the |



| | | |
|------------------------|------|-------------|
| /QR_RANK_QUALIFY_FINAL | rank | competition |
|------------------------|------|-------------|

The following table describes in more detail the others UnitInfo elements.

| Element: UnitInfo | | | |
|-------------------|------------------|----------------------|--|
| Type | Code | Value | Description |
| UI_SB | SB_LENGTH | N(4) 9990 | For @Type: Send proposed type |
| | | | For @Code: Send proposed code |
| | | | For @Value: Length of course in meters |
| | SB_WIDTH | N(4).N(2) 9990.99 | For @Type: Send proposed type |
| | | | For @Code: Send proposed code |
| | | | For @Pos: Do not send anything |
| | | | For @Value: Width of the course in meters |
| | SB_INCLINATION | N(2).N(1) 90.0 | For @Type: Send proposed type |
| | | | For @Code: Send proposed code |
| | | | For @Pos: Do not send anything |
| | | | For @Value: Inclination in degrees |
| | SB_ALTITUDE_DROP | N(4).N(2) 9990.99 | For @Type: Send proposed type |
| | | | For @Code: Send proposed code |
| | | | For @Pos: Do not send anything |
| | | | For @Value: Vertical drop in meters |
| | SB_HEIGHT_WALL | N(2).N(1) 90.0 | For @Type: Send proposed type |
| | | | For @Code: Send proposed code |
| | | | For @Pos: Do not send anything |
| | | | For @Value: Inner Height Wall |
| | SB_ROD_WIDTH | N(2).N(1) 90.0 | For @Type: Send proposed type |
| | | | For @Code: Send proposed code |
| | | | For @Pos: Do not send anything |
| | | | For @Value: Roll Out Deck Width |



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

| Type /Code | Description | Expected |
|-------------------------|-------------------------------|----------|
| UI_SB /SB_LENGTH | Length of course in meters | Always |
| UI_SB /SB_WIDTH | Width of the course in meters | Always |
| UI_SB /SB_INCLINATION | Inclination in degrees | Always |
| UI_SB /SB_ALTITUDE_DROP | Vertical drop in meters | Always |
| UI_SB /SB_HEIGHT_WALL | Inner Height Wall | Always |
| UI_SB /SB_ROD_WIDTH | Roll Out Deck Width | Always |

5.2.6. Message sort

Please, follow the general definition.



5.3. Event Unit Results

5.3.1. Description

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

5.3.2. Header Values

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

5.3.3. Trigger and Frequency

Please, follow the general definition.

5.3.4. Message Structure

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

- PhaseInfo
- UnitDateTime (following the general rules for this element, however being @EndDate mandatory)
- UnitInfo
- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (For snowboard cross, is only applicable to the Qualification phase)

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

5.3.5. Message Values

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

| Element | Attribute | M/O | Value | Comments |
|---------|------------|-----|--------------------|--|
| Result | Rank | O | Numeric | Rank of the competitor in the corresponding event unit. This attribute is optional because the athlete could get an invalid rank mark. |
| | ResultType | M | CC @ResultType | Result type, either points or IRM for the corresponding event unit. |
| | IRM | O | CC @IRM | IRM for the particular event unit Send just in the case @ResultType is IRM (see codes section) |
| | Result | O | N(3).N(1) 990.0 | Result for the particular event unit. |



| Element | Attribute | M/O | Value | Comments |
|---------|-------------------|-----|--------------------------|---|
| | QualificationMark | O | CC @QualificationMark | Send just in the case the competitor 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. |

For the PhaseInfo element, please, send the same information as in the start list.

Send UnitDateTime including also the @EndDate attribute

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

| Element: UnitInfo | | | |
|-----------------------|---------------------------|-------------------------|---|
| Type | Code | Value | Description |
| UI_RACE_CONDITIONS | RC_AIR_TEMPERATURE_START | (-)N(2).N(1) (-)90.0 | For @Type: Send proposed type For @Code: Send proposed code For @Value: Start line: Temperature in centigrade degrees (in case of positive temperature, do not send '+'). |
| | RC_AIR_TEMPERATURE_FINISH | (-)N(2).N(1) (-)90.0 | For @Type: Send proposed type For @Code: Send proposed code For @Value: Finish line: Temperature in centigrade degrees (in case of positive temperature, do not send '+'). |
| | RC_SNOW_TEMPERATURE | (-)N(2).N(1) (-)90.0 | For @Type: Send proposed type For @Code: Send proposed code For @Value: Show temperature in centigrade degrees (in case of positive temperature, do not send '+'). |
| UI_WEATHER_CONDITIONS | CC @WeatherConditions | | For @Type: Send proposed type For @Code: Send one of the codes regarding to the weather conditions For @Value: Do not send anything |

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

| Type /Code | Description | Expected |
|---|---|----------|
| UI_RACE_CONDITIONS /RC_AIR_TEMPERATURE_START | Start line: temperature in centigrade degrees | Always |
| UI_RACE_CONDITIONS | Finish line: temperature in centigrade | Always |



| | | |
|--|---|--------|
| /RC_AIR_TEMPERATURE_FINISH | degrees | |
| UI_RACE_CONDITIONS /RC_SNOW_TEMPERATURE_FINISH | Temperature in centigrade degrees | Always |
| UI_WEATHER_CONDITIONS /CC @WeatherConditions | Weather conditions in the @Code attribute | Always |

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

| Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult | | | | |
|--|-----------|---------|-------------|--|
| Type | Code | Pos | Value | Description |
| ER_SB | SB_JUDGE | Numeric | N(3) 990 | For @Type: Send proposed type |
| | SB_JUDGES | | | N(3).N(1) 990.0 |
| | | | | For @Code: Send proposed code |
| | | | | For @Pos: Send judge number, from 1 to 5 |
| | | | | For @Value: Send points from the judge identified by @Pos, with one decimal digit |
| | | | | For @Code: Send proposed code |
| | | | | For @Pos: Do not send anything |
| | | | | For @Value: Send total points from judges, with one decimal digit |

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

| Type /Code | Description | Expected |
|------------------|--------------------------------|----------|
| ER_SB /SB_JUDGE | Points from a particular judge | Always |
| ER_SB /SB_JUDGES | Total points from judges | Always |

5.3.6. Message sort

Please, follow the general definition.



5.4. Cumulative Results

5.4.1. Description

This message is the Cumulative Results message as described in the ODF Light Messages Interface Document.

5.4.2. Header Values

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

This cumulative results message is after event unit (Subtype and DocumentSubtype header attributes should be at event unit level).

5.4.3. Trigger and Frequency

Please, follow the general definition for event unit situation.

5.4.4. Message Structure

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

- N/A

Please, remember to send the finished event units (basic results) in the ResultItems /ResultItem /Result elements as they are finished, according to the general definition of the Cumulative results message, as it is described in the ODF Light Messages Interface Description Document.

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

5.4.5. Message Values

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

| Element | Attribute | M/O | Value | Comments |
|------------------|------------|-----|----------------|--|
| CumulativeResult | Rank | O | Numeric | Cumulative rank of the competitor after the finalisation of the current event unit, so it takes into account the previous event units. This rank indicates a progress of the competition. This attribute is optional because the athlete may have got an invalid rank mark. |
| | ResultType | M | CC @ResultType | Result type, either points or IRM for the corresponding cumulative results |



| Element | Attribute | M/O | Value | Comments |
|---------|-----------|-----|--------------------|---|
| | IRM | O | CC @IRM | IRM after the finalisation of the current event unit. It will depend on the results of all the event units up to the moment of the message sending. Send just in the case @ResultType is IRM (see codes section) |
| | Result | O | N(3).N(1) 990.0 | Best result of the two runs, after the finalisation of the current event unit. |
| | SortOrder | M | Numeric | This attribute is a sequential number with the order of the results after the finalisation of the current event unit, if they were to be presented. It is mostly based on the rank, but it could be used to sort out rank ties as well as results without rank. |

5.4.6. Message sort

Please, follow the general definition.



5.5. Event Final Ranking

5.5.1. Description

This message is the Event Final Ranking message as described in the ODF Light Messages Interface Document.

5.5.2. Header Values

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

5.5.3. Trigger and Frequency

Please, follow the general definition.

5.5.4. Message Structure

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

- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

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

5.5.5. Message Values

The following table lists the Event Final Ranking optional attributes (defined in the ODF Light Messages Interface Document) that are used in the case of Snowboard, as well as the attributes that have an extended definition.

| Element | Attribute | M/O | Value | Comments |
|---------|------------|-----|----------------|---|
| Result | Rank | O | Numeric | Final rank of the competitor in the corresponding event. This attribute is optional because the skier may have got an invalid rank mark. |
| | ResultType | M | CC @ResultType | Result type, either RT_CODE or IRM for the corresponding event. |
| | IRM | O | CC @IRM | IRM for the particular event. Send just in the case @ResultType is IRM (see codes section) |
| | Result | O | CC @Group | Phase to which the competitor arrived |
| | 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 based on the sport Rules. |

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

| Type | Code | Value | Description |
|-------|------------|-------|-------------|
| ER_SB | SB_RCE_PTS | | For @Type: |



| | | | |
|--|--|----------------------|----------------------------------|
| | | N(4).N(2) 9990.00 | Send proposed type |
| | | | For @Code: Send proposed code |
| | | | For @Value: Race points |

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

| Type /Code | Description | Expected |
|-------------------|-------------|----------|
| ER_SB /SB_RCE_PTS | Race points | Always |

5.5.6. Message sort

Please, follow the general definition.



This page has been intentionally left blank