



INTERNATIONAL
OLYMPIC
COMMITTEE

ODF Para Snowboard Data Dictionary v1.3



**ODF Para Snowboard Data Dictionary
PyeongChang – Paralympic Winter
Games**

**Technology and Information Department
© International Olympic Committee**

**ODF/INT440 R-WPG-2018-SBD v1.3 APP
25 May 2017**



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.



Table of Contents

1 Introduction.....	3
1.1 This document.....	3
1.2 Objective.....	3
1.3 Main Audience.....	3
1.4 Glossary	3
1.5 Related Documents	3
2 Messages	4
2.1 Message Summary.....	4
2.2 Applicable Messages	5
2.2.1 List of Participants by Discipline / Update	6
2.2.2 Event Unit Start List and Results	7
2.2.3 Current Information.....	13
2.2.4 Cumulative Results	16
2.2.5 Brackets	19
2.2.6 Event Final Ranking	21
2.2.7 Weather Conditions	23
2.2.8 Configuration.....	25
3 Document Control	29



1 Introduction

1.1 This document

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

1.2 Objective

The objective of this document is to provide a complete and formal definition of the ODF Para Snowboard Data Dictionary, with the intention that the information message producer and the message consumer can successfully interchange the information as the Para Snowboard competitions are 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
- **RSC** – Results System Codes
- **SBD** – Para Snowboard
- **WNPA** – World News Press Agencies

1.5 Related Documents

Document Reference	Document Title	Document Description
ODF/INT400	ODF General Principles Document	The document explains the environment and general principles for ODF.
ODF/INT401	ODF General Messages Interface Document	This document describes the ODF General messages
ODF/COD404	ODF Common Codes Document	This document describes the ODF codes used across the rest of the ODF documents
ODF/COD405	ODF Sport Codes	This document describes the ODF specific codes used in this sport
ODF/COD406	ODF Header Values	This document details the header values which shows which RSCs are used in which messages.



2 Messages

2.1 Message Summary

The general plan for messages in this discipline is:

Snowboard Cross

- Qualification
 - DT_RESULT for each run
 - DT_CURRENT during each unit
 - DT_CUMULATIVE_RESULT for overall (for consistency, regardless of how many runs)
- Finals
 - DT_RESULT for each pair
 - DT_BRACKETS

Banked Slalom

- Finals:
 - DT_RESULT for each run
 - DT_CURRENT for each run
 - DT_CUMULATIVE_RESULT for the overall



2.2 Applicable Messages

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

Message Type	Message name	Message used in this sport	Message extended in this document
DT_SCHEDULE	Competition schedule	X	
DT_SCHEDULE_UPDATE	Competition schedule update	X	
DT_PARTIC	List of participants by discipline	X	X
DT_PARTIC_UPDATE	List of participants by discipline update	X	X
DT_MEDALS	Medal standings	Global	
DT_MEDALLISTS_DAY	Medallists of the day	Global	
DT_GLOBAL_GM	Global good morning	Global	
DT_GLOBAL_GN	Global good night	Global	
DT_RESULT	Event Unit Start List and Results	X	X
DT_CUMULATIVE_RESULT	Cumulative Results	X	X
DT_RANKING	Event Final ranking	X	X
DT_MEDALLISTS	Medallists of one event	X	
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	X	
DT_COMMUNICATION	Official Communication	X	
DT_BRACKETS	Brackets	X	X
DT_LOCAL_ON	Discipline/venue start transmission	X	
DT_LOCAL_OFF	Discipline/venue stop transmission	X	
DT_CONFIG	Configuration	X	X
DT_WEATHER	Event Unit Weather conditions	X	X
DT_KA	Keep Alive	X	



2.2.1 List of Participants by Discipline / Update

2.2.1.1 Description

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

2.2.1.2 Header Values

As defined in the header values document.

2.2.1.3 Trigger and Frequency

Follow the general definition.

2.2.1.4 Message Structure

Optional elements defined for this message in this sport.

- Participant /Discipline /RegisteredEvent
- Participant /Discipline /RegisteredEvent /EventEntry

2.2.1.5 Message Values

The following table lists the “List of participants by discipline/ update” optional attributes (defined in the ODF General Messages Interface Document) that are used, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Participant /Discipline	IFld	O	S(16)	Competitor's federation number for the corresponding discipline (include if the discipline assigns international federation codes to athletes).
Participant /Discipline /RegisteredEvent	Event	M	CC @Event	
	Bib	O	S(5)	
	Class	M	CC @SportClass	Athlete Class

The following table describes in more detail the Participant /Discipline /RegisteredEvent/ EventEntry element.

Element: Participant /Discipline /RegisteredEvent /EventEntry					
Type	Code	Pos	Value	Description	Expected
ENTRY	RANK_WLD		S(4)	For @Type: Send proposed type For @Code: Send proposed code For @Pos Do not send anything For @Value: IPCSB Rank of the athlete in this event	When available.
	RANK_PTS		S(7)	For @Type: Send proposed type For @Code: Send proposed code For @Pos Do not send anything For @Value: IPCSB points (for this event).	

2.2.1.6 Message sort

Please, follow the general definition.



2.2.2 Event Unit Start List and Results

2.2.2.1 Description

This message is the Event Unit Start List and Results message as described in the ODF General Messages Interface Document.

Note that the message always includes all athletes in the unit.

2.2.2.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the ODF Common Codes document (header values) with one message per unit.

2.2.2.3 Trigger and Frequency

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

- As soon as the start list is available and any changes [inc. IRMs] (START_LIST)
- Send with all updates during the unit (LIVE)
- After the unit is finished (UNCONFIRMED / UNOFFICIAL / OFFICIAL) as applicable.
- After any change (status as appropriate)

2.2.2.4 Message Structure

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

- ExtendedInfos /UnitDateTime (StartDate)
- ExtendedInfos /ExtendedInfo
- ExtendedInfos /ExtendedInfo /Competitor
- ExtendedInfos /SportDescription
- ExtendedInfos /VenueDescription
- Officials /Official
- Result /ExtendedResults /ExtendedResult
- Result /Competitor /Composition /Athlete /EventUnitEntry



2.2.2.5 Message Values

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

Element	Attribute	M/O	Value	Comments
ExtendedInfos /ExtendedInfo /Competitor	Organisation	O	CC @Organisation	Add in the extension FORERUNNER if the extension is applicable. Organisation ID of the forerunner
ExtendedInfos /ExtendedInfo /Competitor	FamilyName	M	S(25)	Family name of the forerunner
	GivenName	O	S(25)	Given name of the forerunner
ExtendedInfos /SportDescription	DisciplineName	M	S(40)	Text description from common codes
	EventName	M	S(40)	Text short description, not code
	SubEventName	M	S(40)	Text short description of the Event Unit, not code
	Gender	M	CC @DisciplineGender	
ExtendedInfos /VenueDescription	Venue	M	CC @VenueCode	Venue Code
	VenueName	M	S(25)	Text short description, not code
	Location	M	CC @Location	Location Code
	LocationName	M	S(30)	Text short description, not code
Officials /Official	Code	M	S(20) with no leading zeroes	Officials code
	Function	M	CC @ResultsFunction	Officials Function
	Order	O	Numeric	Order of officials.
Result	Rank	O	String	Rank of the competitor in the event unit.
	RankEqual	O	S(1)	Send 'Y' if the rank is equalled else do not send.
	ResultType	O	SC @ResultType	Result type. Result type, either TIME or IRM for the corresponding event unit.
	IRM	O	SC @IRM	IRM for the event unit Send only in the case @ResultType is IRM
	Result	O	m:ss.ff	Result for the particular event unit (not cumulative). Send in the case @ResultType is TIME
	Diff	O	+m:ss.ff	Time behind leader in the unit (only for those with a result). 0.00 for the leader. Do not send leading zeros. Only send in the case @ResultType is TIME
	QualificationMark	O	SC @QualificationMark	Qualifying Mark. Only send if applicable and this is the only unit in the phase.
	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. (even if some have IRM) Updated during the race with the current order, which is those with rank followed by those with IRM followed by those who have not started.
	StartOrder	O	Numeric ##0	The start order of the unit.
	StartSortOrder	M	Numeric ##0	
Result /Competitor /Composition /Athlete	Code	M	S(20) with no leading zeroes	Athlete ID
	Order	M	Numeric	
	Bib	O	S(5)	Bib number.
Result /Competitor /Composition /Athlete /Description	Class	O	CC @SportClass	Code to identify the sport class in the case of events with athletes with a disability



The following table describes in more detail the ExtendedInfos /ExtendedInfo element.

Element: ExtendedInfos /ExtendedInfo											
Type	Code	Extension code	Pos	Value	Description	Expected					
UI	FORERUNNER		Numeric #0	S(3)	For @Type: Send proposed type	Always if forerunner.					
					For @Code: Send proposed code						
	For @ Pos: Send the sequential number, 1..., to sort the forerunners										
	For @Value: Forerunners code F1, F2.										
	STARTERS				Numeric ##0	For @Type: Send proposed type	Always after status START_LIST in units where athletes compete one by one				
						For @Code: Send proposed code					
						For @ Pos: Do not send anything					
For @Value: Sent the number of competitors on the start list											
COMPLETE									Numeric ##0	For @Code: Send proposed code	Always after status START_LIST in units where athletes compete one by one
										For @ Pos: Do not send anything	
DNS				Numeric ##0	For @Code: Send proposed code	If applicable in banked slalom					
					For @ Pos: Do not send anything						
DNF				Numeric ##0	For @Code: Send proposed code	If applicable in banked slalom					
					For @ Pos: Do not send anything						
DSQ				Numeric ##0	For @Code: Send proposed code	If applicable in banked slalom					
					For @ Pos: Do not send anything						
DISPLAY	LAST_COMP		S(1)	S(20) without leading zeroes	For @Type: Send proposed type	When available and only when the unit is LIVE					
					For @Code: Send proposed code						
					For @Pos: Send R and B in the case of Parallel. (concurrent competitors) for Red and Blue.						
					For @Value: Send the competitor ID of the last competitor to compete and receive a result.						



Sample

```

.....
<ExtendedInfos>
  <UnitDateTime StartDate="2014-02-10T11:00:00+04:00" />
  <ExtendedInfo Type="UI" Code="FORERUNNER" Pos="1" Value="F1">
    <Competitor Organisation="RUS">
      <Composition>
        <Athlete FamilyName="ZAYTSEV" GivenName="Steve" />
      </Composition>
    </Competitor>
  </ExtendedInfo>
  <ExtendedInfo Type="UI" Code="FORERUNNER" Pos="2" Value="F2">
    <Competitor Organisation="RUS">
      <Composition>
        <Athlete FamilyName="NIKITIN" GivenName="Pedro" />
      </Composition>
    </Competitor>
  </ExtendedInfo>
.....
    
```

The following table describes in more detail the Result /ExtendedResults /ExtendedResult element.

Element: Result /ExtendedResults /ExtendedResult						
Type	Code	Extension Code	Pos	Value	Description	Expected
ER	POT_DSQ			S(1)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send "Y" if the competitor is a potential disqualification in this unit else do not send.	If applicable
	DSQ_DESC			Text	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Text description of the reason for disqualification.	
	RE_RUN			S(1)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send "Y" if the competitor is granted a Re-Run else do not send. Do not send after Re-Run complete	
	PHOTO			S(1)	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything	



Element: Result /ExtendedResults /ExtendedResult						
					<p>For @Value: To know if the competitor's final result was decided by photo. Send Y for Photo evaluated Send P for Pending Status Otherwise do not send If 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,,4... and SortOrder = 1,2,3,4...</p>	
	ADVANCED			S(1)	<p>For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: "Y" to indicate the competitor is advanced to the next phase as a result of a tie-break or judge decision else do not send.</p>	If applicable
PROGRESS	INTERMEDIATE		S(2)	<p>m:ss.ff SC @ResultType s.ff or -s.ff S(2) S(1)</p>	<p>For @Type: Send proposed type For @Code: Send proposed code For @Pos: Intermediate point where the intermediate time is recorded (1, 2...F). For @Value: Time at the intermediate point For @ValueType: Send SC @ResultType (TIME) For @Diff: The difference behind the race leader at this intermediate point. Send as negative if faster than race leader. For @Rank: Send the rank in the unit of the competitor at the intermediate point. Do not consider IRMs. For @RankEqual: Send "Y" if rank is equalled, otherwise do not send.</p>	If there are intermediate s and the data is available
	SECTION		S(2)	s.ff	<p>For @Type: Send proposed type For @Code: Send proposed code For @Pos: Intermediate point at the end of the section where section time is taken (2... F). For example 2 is the section from intermediate 1 to intermediate 2 etc.</p>	If there are intermediate s and the data is available



Element: Result /ExtendedResults /ExtendedResult					
					For @Value: Time for the section ending at the intermediate point @Pos.
				SC @ResultType	For @ValueType: Send SC @ResultType
				S(2)	For @Rank: Send the rank of the competitor in the section not considering IRMs
				S(1)	For @RankEqual: Send "Y" if rank is equalled, otherwise do not send.

Sample

.....
.....

The following table describes in more detail the Result /Competitor /Composition /Athlete /EventUnitEntry element.

Element: Result /Competitor /Composition /Athlete /EventUnitEntry					
Type	Code	Pos	Value	Description	Expected
EUE	SNOWSEED		S(1)	For @Type: Send proposed type For @Code: Send proposed code For @ Pos: Do not send anything For @Value: Send "Y" if the athlete is assigned a Snowseed else do not send.	If applicable
	RANK_PTS		S(7)	For @Type: Send proposed type For @Code: Send proposed code For @Pos Do not send anything For @Value: IPCSB points (for this event).	

2.2.2.6 Message sort

Sort by Result @SortOrder



2.2.3 Current Information

2.2.3.1 Description

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

This message should only be used to build a standalone current table and not used to merge data with the DT_RESULT message.

2.2.3.2 Header Values

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

2.2.3.3 Trigger and Frequency

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

- At any time a competitor starts. (This athlete/pair will be considered current) and there will be a new “next” (unless last athlete).
- Immediately after every addition/change in data during the run.
- Immediately after each competitor completes the course and the data is available.

Each message will only include the athletes currently on the course and the one to follow (“Next”); this is usually not more than two athletes.

2.2.3.4 Message Structure

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

- Result /ExtendedResults /ExtendedResult



2.2.3.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Result	Rank	O	String	Rank of the competitor in the event unit.
	RankEqual	O	S(1)	Send 'Y' if the rank is equalled else do not send. (They are not considered equal for the special case above).
	ResultType	O	SC @ResultType	Result type. Result type, either TIME or IRM for the corresponding event unit. Do not send in judged events
	IRM	O	SC @IRM	IRM for the event unit Send only in the case @ResultType is IRM
	Result	O	m:ss.ff	Result for the particular event unit (not cumulative). Send in the case @ResultType is TIME
	Diff	O	m:ss.ff	Time behind leader in the unit (only for those with a result). 0.00 for the leader. Do not send leading zeros. Only send in the case @ResultType is TIME
	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. (even if some have IRM) Updated during the race with the current order, which is those with rank followed by those with IRM followed by those who have not started.
	StartOrder	O	Numeric ##0	The start order of the unit.
	StartSortOrder	M	Numeric ##0	
Result /Competitor /Composition /Athlete	Code	M	S(20) with no leading zeroes	Athlete ID
Result /Competitor /Composition /Athlete	Code	M	S(20) with no leading zeroes	Athlete ID
	Order	M	Numeric	
	Bib	O	S(5)	Bib number.

The following table describes in more detail the ExtendedInfos /ExtendedInfo element.

Element: ExtendedInfos /ExtendedInfo						
Type	Code	Extension code	Pos	Value	Description	Expected
DISPLAY	CURRENT			S(20) without leading zeroes	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything. For @Value: Send the competitor ID of the current competitor	When available
	NEXT			S(20) without leading zeroes	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything. For @Value: Send the competitor ID of the next competitor	When available



Sample

```
.....
<ExtendedInfos>
  <ExtendedInfo Type="DISPLAY" Code="CURRENT" Value="123456" />
  <ExtendedInfo Type="DISPLAY" Code="NEXT" Value="123555" />
</ExtendedInfos>
.....
```

The following table describes in more detail the Result /ExtendedResults /ExtendedResult element.

Element: Result /ExtendedResults /ExtendedResult						
Type	Code	Extension Code	Pos	Value	Description	Expected
PROGRESS	INTERMEDIATE		S(2)	m:ss.ff	For @Type: Send proposed type	Only in events with split times
					For @Code: Send proposed code	
					For @Pos: Intermediate point where the intermediate time is recorded (1, 2...F).	
					For @Value: Time at the intermediate point	
				SC @ResultType	For @ValueType: Send SC @ResultType (TIME)	
				s.ff or -s.ff	For @Diff: The difference behind the race leader at this intermediate point. Send as negative if faster than race leader.	
		S(2)		For @Rank: Send the rank in the unit of the competitor at the intermediate point. Do not consider IRMs.		
			S(1)		For @RankEqual: Send "Y" if rank is equalled, otherwise do not send.	

Sample

```
.....
<Result Rank="2" ResultType="TIME" Result="1:42.68" Diff="0.04" SortOrder="2"
StartOrder="12" StartSortOrder="12" >
  <ExtendedResults>
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="1" Value="24.34"
ValueType="TIME" Diff="0.05" Rank="2" SortOrder="2" />
  </ExtendedResults>
  <Competitor Code="2024039" Type="A" Organisation="GER" >
    <Composition>
      <Athlete Code="2024039" Order="1" Bib="22" />
    </Composition>
  </Competitor>
</Result>
.....
```

2.2.3.6 Message sort

Sort by Result @StartSortOrder



2.2.4 Cumulative Results

2.2.4.1 Description

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

The Cumulative Results message is used to send the cumulative results of the competition.

It is anticipated that the cumulative message is usually needed as competitors have multiple attempts (runs) depending on the event. However in this sport the number of units in a competition can vary quite dynamically depending on the weather and snow conditions. To avoid changing the types of messages sent depending on the conditions the cumulative will always be sent if it is planned, even if the format changes and there is only one unit. This provides consistency for the end users.

2.2.4.2 Header Values

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

2.2.4.3 Trigger and Frequency

- Send when the start list of the first unit is sent (INTERMEDIATE)
- Send after each competitor completes each run including the first run (LIVE)
- Send after the last unit is complete (UNCONFIRMED / UNOFFICIAL / OFFICIAL as appropriate)

2.2.4.4 Message Structure

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

- ExtendedInfos /SportDescription
- ExtendedInfos /VenueDescription
- ExtendedInfos /ExtendedInfo
- Result /ResultItems /ResultItem

2.2.4.5 Message Values

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

Element	Attribute	M/O	Value	Comments
ExtendedInfos /SportDescription	DisciplineName	M	S(40)	Text description from common codes
	EventName	M	S(40)	Text short description, not code
	Gender	M	CC @DisciplineGender	
ExtendedInfos /VenueDescription	Venue	M	CC @VenueCode	Venue code
	VenueName	M	S(25)	Text short description, not code
	Location	M	CC @Location	Location Code
	LocationName	M	S(30)	Text short description, not code
Result	Rank	O	S(3)	Rank of the competitor in the cumulative result. The events use "best of" so the rank can be filled as soon as a competitor has completed one run. This attribute is optional because the competitor could get an invalid rank mark.
	RankEqual	O	S(1)	Send Y in case of the Rank has been equalled else do not send.
	ResultType	O	SC @ResultType	Result type
	IRM	O	SC @IRM	IRM for the cumulative result Send just in the case @ResultType is IRM
	Result	O	m:ss.ff	Best score/cumulative result. Send in the case @ResultType is TIME
	Diff	O	s.ff	Time behind leader. Only in parallel events and SBX qualification.
	QualificationMark	O	SC @QualificationMark	Qualifying Mark



Element	Attribute	M/O	Value	Comments
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the cumulative result, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank. During second and subsequent units those without rank will be ordered following their start order in the current unit.
Result /ResultItems /ResultItem	Unit	M	CC @Unit	Full RSC of the unit
Result /ResultItems /ResultItem /Result	Rank	O	S(3)	Rank of the competitor in the result for the unit identified by /ResultItems /ResultItem.
	RankEqual	O	S(1)	Send Y in case of the Rank has been equalled else do not send.
	ResultType	O	SC @ResultType	Type of the @Result attribute for the event unit or phase identified by /ResultItems /ResultItem
	Result	O	m:ss.ff	Best score/cumulative result. Send in the case @ResultType is TIME
	IRM	O	SC @IRM	The invalid rank mark, in case it is assigned for the event unit. Send in the case @ResultType is IRM
	SortOrder	M	Numeric #0	Used to sort all results in an event unit identified by /ResultItems /ResultItem
	Dif	O	+s.ff	Time behind leader. Only in parallel events and SBX qualification.
Result /Competitor /Composition /Athlete	Code	M	S(20) with no leading zeroes	Athlete's ID
	Order	M	Numeric	
	Bib	O	S(5)	Athlete's bib number.

The following table describes in more detail the ExtendedInfo element.

Element: ExtendedInfo						
Type	Code	Extension code	Pos	Value	Description	Expected
EI	LAST_QUAL			S(20) with no leading zeroes	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the current last qualifying place competitor ID. In the situation where insufficient competitors have participated to show the last qualifying position then show the current last place	When available in any phase where athletes progress to a subsequent phase
	LAST_UNIT			S(34)	For @Type: Send proposed type For @Code: Send proposed code For @ Pos: Do not send anything For @Value: Full RSC of the first unit (if not started), current (if live) or most recent unit information included in the message	Always

The following table describes in more detail the Result /ResultItems /ResultItem /Result /ExtendedResults /ExtendedResult.

Element: Result /ResultItems /ResultItem /Result /ExtendedResults /ExtendedResult						
Type	Code	Extension Code	Pos	Value	Description	Expected
ER	BEST			S(1)	For @Type: Send proposed type	If applicable



Element: Result /ResultItems /ResultItem /Result /ExtendedResults /ExtendedResult					
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send Y if this run is the current best for the competitor else do not send

Sample (SBX)

```

.....
<Result Rank="2" ResultType="TIME" Result="1:23.43" Diff="2.82" QualificationMark="Q"
SortOrder="2">
  <ResultItems>
    <ResultItem Unit="SBDMSBX-----111-----QUAL000101--">
      <Result Rank="13" ResultType="TIME" Result="1:24.47" SortOrder="13" />
    </ResultItem>
    <ResultItem Unit="SBDMSBX-----111-----QUAL000102--">
      <Result Rank="1" ResultType="TIME" Result="1:23.43" Diff="+2.82" SortOrder="1" />
    </ResultItem>
  </ResultItems>
  <Competitor Code="2019180" Type="A" Bib="8">
    <Composition>
      <Athlete Code="2019180" Order="1" Bib="8" Organisation="GER" >
        <Description GivenName="John" FamilyName="Smith" Gender="M" Organisation="GER"
        BirthDate="1994-12-15" />
      </Athlete>
    </Composition>
  </Competitor>
</Result>
.....

```

2.2.4.6 Message sort

Please, follow the general definition.



2.2.5 Brackets

2.2.5.1 Description

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

2.2.5.2 Header Values

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

2.2.5.3 Trigger and Frequency

Please, follow the general definition

2.2.5.4 Message Structure

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

- ExtendedInfos /SportDescription
- ExtendedInfos /VenueDescription
- ExtendedInfos / ExtendedInfo
- Bracket /BracketItems /BracketItem

2.2.5.5 Message Values

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

Element	Attribute	M/O	Value	Comments
ExtendedInfos /SportDescription	DisciplineName	M	S(40)	Text description from common codes
	EventName	M	S(40)	Text short description, not code
	Gender	M	CC @DisciplineGender	
ExtendedInfos /VenueDescription	Venue	M	CC @VenueCode	Venue code
	VenueName	M	S(25)	Text short description, not code
	Location	M	CC @Location	Location Code
	LocationName	M	S(30)	Text short description, not code
Bracket	Code	M	SC @Bracket	Bracket code to identify a bracket item. Small Final / Bronze is a different bracket.
Bracket / BracketItems	Code	M	SC @BracketItems	Bracket code to identify a set of bracket items.
Bracket /BracketItems /BracketItem	Code	O	Numeric #0	Unique number for all BracketItems in the message 1,...
	Order	M	Numeric #0	Sequential number inside of BracketItems to indicate the order, always start at 1
	Date	O	Date	Date of BracketItem (example: YYYY-MM-DD). Must include if the data is available.
	Time	O	S(5)	Time of the BracketItem (example HH:MM) Must include if the data is available.
	Unit	O	CC @Unit	Full RSC of the unit.
	Result	O	S(50)	Not used in this discipline
	NextUnit	O	CC @Unit	Full RSC of the unit where successful competitors will progress
	NextUnitLoser	O	CC @Unit	Full RSC of the unit where unsuccessful competitors will progress
Bracket /BracketItems /BracketItem /CompetitorPlace	Pos	M	Numeric 0	This attribute is a sequential number to place the different competitors in the bracket (1, 2 ...).
	Code	O	SC @CompetitorPlace	If there is no competitor (BYE) or when it is not known yet (TBD) or when both athletes are disqualified or Withdraw (NCT)
	WLT	O	S(1)	W or L, indicates the winner or loser of the bracket item. Always send when known.
	IRM	O	SC @IRM	IRM code if applicable
Bracket /BracketItems /BracketItem /CompetitorPlace /PreviousUnit	Unit	O	CC @Unit	Full RSC of the unit where the competitor progress from



Element	Attribute	M/O	Value	Comments
Bracket	Code	M	S(20) with no leading zeroes	Competitor ID
/BracketItems				
/BracketItem	Type	M	S(1)	A for Athlete
/CompetitorPlace	Seed	O	S(2)	Rank or the competitor in the qualification
/Competitor	Organisation	O	CC @Organisation	Competitors' organisation if known

Sample

```

.....
<Bracket Code="FNL">
  <BracketItems Code="SFL">
    <BracketItem Code="13" Order="1" Date="2014-02-22" Time="15:22" Unit="SBDMSBX-----
-----SFNL0001-----" NextUnit="SBDMSBX-----FNL-0001-----"
NextUnitLoser="SBDMSBX-----FNL-0002-----" >
      <CompetitorPlace Pos="1" WLT="W" >
        <PreviousUnit Unit="SBDMSBX-----QFNL0001-----" />
        <Competitor Code="2000885" Type="A" Organisation="GER">
          <Composition>
            <Athlete Code="2000885" Order="1" >
              <Description GivenName="John" FamilyName="Smith" Gender="M"
Organisation="GER" BirthDate="1994-12-15" />
            </Athlete>
          </Composition>
        </Competitor>
      </CompetitorPlace>
      <CompetitorPlace Pos="2" WLT="L" >
        <PreviousUnit Unit="SBDMSBX-----QFNL0002-----" />
        <Competitor Code="2023789" Type="A" Organisation="SUI">
          <Composition>
            <Athlete Code="2023789" Order="1" >
              <Description GivenName="John" FamilyName="Black" Gender="M"
Organisation="SUI" BirthDate="1992-12-15" />
            </Athlete>
          </Composition>
        </Competitor>
      </CompetitorPlace>
    </BracketItem>
  </BracketItems>
.....

```

2.2.5.6 Message sort

Please, follow the general definition.



2.2.6 Event Final Ranking

2.2.6.1 Description

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

2.2.6.2 Header Values

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

2.2.6.3 Trigger and Frequency

Please, follow the general definition.

2.2.6.4 Message Structure

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

- ExtendedInfos /SportDescription
- ExtendedInfos /VenueDescription
- Result /ExtendedResults /ExtendedResult

2.2.6.5 Message Values

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

Element	Attribute	M/O	Value	Comments
ExtendedInfos /SportDescription	DisciplineName	M	S(40)	Text description from common codes
	EventName	M	S(40)	Text short description, not code
	Gender	M	CC @DisciplineGender	
ExtendedInfos /VenueDescription	Venue	M	CC @VenueCode	Venue Code
	VenueName	M	S(25)	Text short description, not code
Result	Rank	O	S(3)	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 disqualification.
	RankEqual	O	S(1)	Send Y if the rank is equalled, else do not send
	Result	O	m:ss.hh	Send the competitors qualification time if ResultType is TIME
	ResultType	O	SC @ResultType	Send TIME unless IRM applies
	IRM	O	SC @IRM	Send if the competitor has an IRM
	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					
Type	Code	Pos	Value	Description	Expected
ER	RACE_PTS		Numeric ###0.00	For @Type: Send proposed type For @Code: Send proposed code For @Pos Do not send anything For @Value: Race points	If data exists
	LAST_UNIT		Full RSC	For @Type: Send proposed type For @Code: Send proposed code For @Pos Do not send anything	If applicable



Element: Result /ExtendedResults /ExtendedResult				
				For Value: Send the full RSC of the final phase in which the competitor participated.

Sample

```

.....
<Result Rank="2" ResultType="TIME" Result="1:24.34" SortOrder="2">
  <ExtendedResults>
    <ExtendedResult Type="ER" Code="RACE_PTS" Value="800.00" />
    <ExtendedResult Type="ER" Code="LAST_PHASE" Value="SBDMSBX-----111-----FNL-----" />
  </ExtendedResults>
  <Competitor Code="2000996" Type="A" Organisation="GER" >
    <Composition>
      <Athlete Code="2000996" Order="1">
        <Description GivenName="John" FamilyName="Smith" Gender="M" Class="ABC"
        Organisation="GER" BirthDate="1994-12-15" />
      </Athlete>
    </Composition>
  </Competitor>
</Result>
.....

```

2.2.6.6 Message sort

Please, follow the general definition



2.2.7 Weather Conditions

2.2.7.1 Description

This message is the Event Unit Weather Conditions message as described in the ODF General Messages Interface Document.

2.2.7.2 Header Values

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

2.2.7.3 Trigger and Frequency

Please, follow the general definition.

2.2.7.4 Message Structure

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

- Competition /Weather /Conditions /Condition (following the general rules for this element)

2.2.7.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Conditions	Code	M	SC @WeatherPoint	Weather points, send START and FINISH
	Humidity	O	Numeric ##0	Humidity in %
	Wind_Direction	O	CC @WindDirection	Wind direction
Weather /Conditions /Condition	Code	M	S(4)	Weather condition type, send SKY and SNOW
	Value	M	CC @WeatherCondition CC @SnowConditions	Use CC @WeatherConditions for SKY Use CC @SnowConditions for SNOW
Weather /Conditions /Temperature	Code	M	S(4)	Temperature type, send AIR, SNOW
	Unit	M	SC @TemperatureUnit	Unit for temperature, send both
Weather /Conditions /Temperature	Value	M	Numeric #0.0	Temperature of the @Code. Negative is applicable
	Code	M	S(5)	Wind Speed, send SPEED
Weather /Conditions /Wind	Unit	M	SC @WindUnit	Unit for Wind. Use MS and KMH
	Value	M	Numeric ##0.0	Wind speed in @Unit degrees.

Sample

```

.....
<Weather>
<Conditions Code="START" Humidity="49" Wind_Direction="SE">
  <Condition Code="SKY" Value="pc" />
  <Condition Code="SNOW" Value="hrd" />
  <Temperature Code="AIR" Unit="C" Value="2.8" />
  <Temperature Code="AIR" Unit="F" Value="37.0" />
  <Temperature Code="SNOW" Unit="C" Value="-2.4" />
  <Temperature Code="SNOW" Unit="F" Value="27.7" />
  <Wind Code="SPEED" Unit="KMH" Value="7.2" />
  <Wind Code="SPEED" Unit="MS" Value="2.0" />
</Conditions>
<Conditions Code="FINISH" Humidity="37" Wind_Direction="VR">
  <Condition Code="SKY" Value="pc" />
  <Condition Code="SNOW" Value="hrd" />
  <Temperature Code="AIR" Unit="C" Value="8.8" />
  <Temperature Code="AIR" Unit="F" Value="47.8" />
  <Temperature Code="SNOW" Unit="C" Value="0.3" />
  <Temperature Code="SNOW" Unit="F" Value="32.5" />
  <Wind Code="SPEED" Unit="KMH" Value="0.0" />
  <Wind Code="SPEED" Unit="MS" Value="0.0" />
</Conditions>
</Weather>
.....

```




2.2.7.6 Message sort

Please, follow the general definition.



2.2.8 Configuration

2.2.8.1 Description

This message is the Event unit configuration message as described in the ODF General Messages Interface Document.

2.2.8.2 Header Values

Send one message per phase with the phase level RSC.

2.2.8.3 Trigger and Frequency

Please, follow the general definition.

2.2.8.4 Message Structure

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

- ExtendedConfigItem

2.2.8.5 Message Values

Send the attributes and codes according to the tables described in this section.

The following table lists the Discipline configuration optional attributes (defined in the ODF General Messages Interface Document) that are used, as well as the attributes that have an extended definition.

The following table describes in more detail the Competition ExtendedConfig element.



Element: ExtendedConfig								
Type	Code	ExtendedConfig Item Code	Pos	Value	Description	Expected		
FIS	HOMOLOGATION			String	For @Type: Send proposed type	When available		
					For @Code: Send proposed code			
					For @Pos: Do not send anything			
COURSE	NAME			String	For @Type: Send proposed type	When available		
					For @Code: Send proposed code			
					For @Pos: Do not send anything			
					For @Value: Name of the course in ENG			
	ALTITUDE					For @Type: Send proposed type	When applicable	
						For @Code: Send proposed code		
						For @Pos: Do not send anything		
						For @Value: Do not send anything		
		START				Numeric ###0	For @Code: Send proposed code	
							For @Pos: Do not send anything	
		FINISH				Numeric ###0	For @Code: Send proposed code	
							For @Pos: Do not send anything	
DROP				Numeric ###0	For @Code: Send proposed code			
					For @Pos: Do not send anything			
EC	INTERMEDIATES_NUM			Numeric #0	For @Type: Send proposed type	Always if there are intermediate points.		
					For @Code: Send proposed code			
					For @Pos: Do not send anything			



Element: ExtendedConfig						
					For @Value: Send the total number of intermediate points where the time is recorded including F.	
	INTERMEDIATE		S(2)	String	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Send the value that identifies the intermediate point, S for start then 1 to n for intermediates along the course and F for the finish point. For @Value: Name of the intermediate point in ENG. Not applicable for S or F (blank).	If there are intermediate points where time is recorded.
	RUNS_NUM			Numeric 0	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Do not send anything For @Value: Send the number of runs for that phase.	Send by phase if not = 1.
QUALIFICATION	FROM_RANK		S(2)	Numeric #0	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Send according to the round to progress: Send QF for Quarterfinal Send 8 for 1/8 Final For @Value: Send the qualifying rank to indicate first rank to qualify	When applicable
	TO_RANK		S(2)	Numeric #0	For @Type: Send proposed type For @Code: Send proposed code For @Pos: Send according to the round to progress: Send QF for Quarterfinal Send 8 for 1/8 Final For @Value: Send the qualifying rank to indicate last rank to qualify	When applicable
	QUAL_RULE			String	For @Type: Send proposed type	When applicable



Element: ExtendedConfig					
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the text version of the qualifying rule

2.2.8.6 Sample

```

.....
<Configs>
  <Config Unit="SBDWSBX-----FNL-----" >
    <ExtendedConfig Type="FIS" Code="HOMOLOGATION" Value="10722/11/12" />
    <ExtendedConfig Type="COURSE" Code="NAME" Value="Rosa Style" />
    <ExtendedConfig Type="COURSE" Code="ALTITUDE" >
      <ExtendedConfigItem Code="START" Value="1162" />
      <ExtendedConfigItem Code="FINISH" Value="1015" />
      <ExtendedConfigItem Code="DROP" Value="147" />
    </ExtendedConfig>
  </Config>
.....

```

2.2.8.7 Message sort

Please, follow the general definition.



3 Document Control

Version history		
Version	Date	Comments
R-WPG-2018-SBD V1.0	27 Apr 2015	First Version
R-WPG-2018-SBD V1.1	19 May 2016	First Published Version
R-WPG-2018-SBD V1.2	23 Feb 2016	Status Change
R-WPG-2018-SBD V1.3		

File reference: ODF/INT440 R-WPG-2018-SBD v1.3 APP

Change Log		
Version	Status	Changes on version
R-WPG-2018-SBD V1.0	Draft	First version
R-WPG-2018-SBD V1.1	SFA	Updated from internal comments
R-WPG-2018-SBD V1.2	APP	Status Change The discipline name has been changed to "Para Snowboard".
R-WPG-2018-SBD V1.3	APP	DT_CUMULATIVE_RESULT Result/ResultItems/ResultItem/Result add @Diff with plus sign Plus sign added in Diff@Result DT_RESULT; Plus sign added in Diff@Result



This page has been intentionally left blank