

OLYMPIC DATA FEED

ODF Alpine Skiing Data Dictionary

Lausanne 2020 - Winter Youth Olympic Games

Technology and Information Department

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ODF-WYOG-2020-ALP V0.3 SFR

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1 Introduction

1.1 This document

This document includes the ODF Alpine Skiing Data Dictionary. This Data Dictionary refines the messages described in the ODF General Messages Interface Document specifically for alpine skiing.

1.2 Objective

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

1.3 Main Audience

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

1.4 Glossary

The following abbreviations are used in this document.

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

1.5 Related Documents

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

2 Messages

2.1 Applicable Messages

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

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

Message Type	Message Name	Message extended
DT_SCHEDULE / DT_SCHEDULE_UPDATE	Competition schedule / Competition schedule update	
DT_PARTIC / DT_PARTIC_UPDATE	List of participants by discipline / List of participants by discipline update	X
DT_PARTIC_NAME	Participant Names	
DT_PARTIC_TEAMS / DT_PARTIC_TEAMS_UPDATE	List of teams / update	X
DT_MEDALS *	Medal standings	
DT_RESULT	Event Unit Start List and Results	X
DT_CURRENT	Current Results	X
DT_CUMULATIVE_RESULT	Cumulative Results	X
DT_BRACKETS	Brackets	X
DT_RANKING	Event Final Ranking	X
DT_COMMUNICATION	Official Communication	
DT_WEATHER	Weather	X
DT_FED_RANKING	Federation Ranking	X
DT_CONFIG	Configuration	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	

* Indicates that this message is not relevant for Lausanne 2020 Winter Youth Olympics

2.2 Messages

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

2.2.1.1 Description

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

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

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

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

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

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

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

2.2.1.2 Header Values

The following table describes the message header attributes.

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

2.2.1.3 Trigger and Frequency

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

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

2.2.1.4 Message Values

Element: 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)
PassportGivenName	O	S(25)	Passport Given Name (Uppercase)
PassportFamilyName	O	S(25)	Passport Family Name (Uppercase)
PrintName	M	S(35)	Print name (family name in upper case + given name in mixed case)

Element: Participant (1,N)			
Attribute	M/O	Value	Description
PrintInitialName	M	S(18)	Print Initial name (for the given name it is sent just the initial, without dot)
TVName	M	S(35)	TV name
TVInitialName	M	S(18)	TV initial name
TVFamilyName	M	S(25)	TV family name
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)	Send Y if the participant is a member of the Solidarity / Scholarship Program else not sent.

Element: Participant (1,N)			
Attribute	M/O	Value	Description
ModificationIndicator	M	S(1)	<p>'N' or 'U'</p> <p>Attribute is mandatory in the DT_PARTIC_UPDATE message only</p> <p>N-New participant (in the case that this information comes as a late entry)</p> <p>U-Update participant</p> <p>If ModificationIndicator='N', then include new participant to the previous bulk-loaded list of participants</p> <p>If ModificationIndicator='U', then update the participant to the previous bulk-loaded list of participants</p> <p>To delete a participant, a specific value of the Status attribute is used.</p>

Element: Participant /Discipline (1,1)

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

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

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

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

Attribute	M/O	Value	Description
Event	M	CC @Event	Full RSC of the Event
Bib	O	S(5)	<p>Bib number.</p> <p>Send only in the Case of Current="true".</p>

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

Type	Code	Pos	Description
ENTRY	RANK_WLD	N/A	<p>Element Expected:</p> <p>When available. In _UPDATE message only.</p> <p>(only generic events are collected in sports entries)</p>
	Attribute	M/O	Value
	Value	M	S(4)
			World Rank of the athlete
ENTRY	RANK_PTS	N/A	<p>Element Expected:</p> <p>When available. In _UPDATE message only</p> <p>(only generic events are collected in sports entries)</p>
	Attribute	M/O	Value
	Value	M	S(6)
			<p>FIS points (for this event).</p> <p>Send "-" for the competitors who do not have points.</p> <p>Usually in format ##0.00.</p>



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2.2.1.5 Message Sort

The message is sorted by Participant @Code

2.2.2 List of teams / List of teams update

2.2.2.1 Description

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

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

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

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

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

2.2.2.2 Header Values

The following table describes the message header attributes.

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

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

2.2.2.3 Trigger and Frequency

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

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

2.2.2.4 Message Values

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

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

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

Element: Team /Discipline /RegisteredEvent (0,1)

Each current team is assigned to one event. Historical teams will not be registered to any event.

Attribute	M/O	Value	Description
Event	M	CC @Event	Full RSC of the event
Bib	O	S(5)	Team bib number to be sent in all the team event units

2.2.2.5 Message Sort

The message is sorted by Team @Code.

2.2.3 Event Unit Start List and Results

2.2.3.1 Description

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

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

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 For individual events: - one message per race (unit). For team event: - one message per run in a heat (effectively a race) and - one message for each heat (NOC v NOC)
DocumentType	DT_RESULT	Event Unit Start List and Results message
DocumentSubtype	Not used	Not used
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	It indicates whether the result is official or unofficial (or intermediate etc). Expected statuses are: START_LIST LIVE (used during the competition when nothing else applies) INTERMEDIATE (used after the competition has started and is not finished but not currently live) UNOFFICIAL OFFICIAL
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.

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

2.2.3.3 Trigger and Frequency

This message is sent:

(For Individual events):

- As soon as the start list is available and any changes [inc. IRMs] (START_LIST)
- When the competition starts and after every split for the current athlete(s) (LIVE)
- After the race is finished (UNOFFICIAL / OFFICIAL) as applicable
- After any change

(For Team event):

- As soon as each competitor is known and the match is confirmed to happen and any changes in start list data of each Heat (START_LIST)
- (per Run in a Heat):
 - As soon as each competitor is known and any changes in start list data of Run (START_LIST)
 - When the Run starts and after every change in any data (LIVE)
 - After the Run is over (UNOFFICIAL)
 - After a Run is finished (within the Heat), except for the last one (INTERMEDIATE)
 - After the unit (after the last run in the heat) is over (UNOFFICIAL / OFFICIAL) as applicable.

Note (during a Heat in Team event): When the first Run finishes for example (the status of DT_RESULT for Run is UNOFFICIAL), and the status of DT_RESULT for Heat is still in progress (only INTERMEDIATE messages will be sent after a Run in a Heat), until the Heat finishes (UNOFFICIAL / OFFICIAL).

2.2.3.4 Message Values

Element: ExtendedInfos /UnitDateTime (0,1)				
Attribute		M/O	Value	Description
StartDate		O	DateTime	Actual start date-time. Do not include until unit starts.
Element: ExtendedInfos /ExtendedInfo (0,N)				
Type		Code	Pos	Description
UI		GATES_NUM	N/A	Element Expected: Always
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Send the number of gates.
UI		GATES_TURNING	N/A	Element Expected: Always except downhill
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0	Send the number of turning gates
UI		FORERUNNER	Numeric #0	Pos Description: Send the sequential number, (1..n), to sort the forerunners according to their bib letter Element Expected: Always if forerunner.
	Attribute	M/O	Value	Description
	Value	O	SC @ForerunnerBib	Forerunners bib letter (in upper case) (e.g.: A, B ...)
UI		RULE	Numeric #0	Pos Description: Sequential number (from 1 to n) for each of reasons for disqualification. Used for ordering. Element Expected: If any athletes disqualified with rule reason.
	Attribute	M/O	Value	Description
	Value	O	String	Rule identifier for which the skier was disqualified (e.g.: "629.3"). (Links to ExtendedResults rule)
Sub Element: ExtendedInfos /ExtendedInfo /Extension Expected: If any athletes disqualified with rule reason.				
Attribute		Value	Description	
Code		DESC		
Pos		N/A		
Value		String	Text of the reason for disqualification (in ENG), (e.g.: "Did not pass through a gate correctly (art. 661.4)")	
UI		STARTERS	N/A	Element Expected: Always after status START_LIST
	Attribute	M/O	Value	Description
	Value	O	Numeric ##0	Send the number of competitors on the start list

Element: ExtendedInfos /ExtendedInfo (0,N)				
Type		Code	Pos	Description
Sub Element: ExtendedInfos /ExtendedInfo /Extension Expected: Always after status START_LIST				
	Attribute	Value	Description	
	Code	COMPLETE		
	Pos	N/A		
	Value	Numeric ##0	Send the number of competitors whose event unit is completed (includes IRMs)	
UI		LAST_UNIT	N/A	Element Expected: Always in team overall message after it has started
	Attribute	M/O	Value	Description
	Value	O	S(34)	Full RSC of the first unit (if not started), current (if live) or most recent unit information included in the message
UI		F-FACTOR	N/A	Element Expected: Always after status START_LIST (individual events - N/A for Training)
	Attribute	M/O	Value	Description
	Value	O	Numeric	F-Factor
DISPLAY		LAST_COMP	N/A	Element Expected: When available and only when the unit is LIVE
	Attribute	M/O	Value	Description
	Value	O	S(20) without leading zeroes	Send the competitor ID of the last competitor to compete and receive a result.

Sample (Individual event)

```

...
<ExtendedInfos>
  <UnitDateTime StartDate="2014-02-10T11:00:00+04:00" />
  <ExtendedInfo Type="UI" Code="GATES_NUM" Value="59" />
  <ExtendedInfo Type="UI" Code="GATES_TURNING" Value="58" />
  <ExtendedInfo Type="UI" Code="FORERUNNER" Pos="1" Value="A">
    <Competitor Organisation="RUS" Order="1" >
      <Composition>
        <Athlete FamilyName="ZAYTSEV" GivenName="S." />
      </Composition>
    </Competitor>
  </ExtendedInfo>
  <ExtendedInfo Type="UI" Code="FORERUNNER" Pos="2" Value="B">
    <Competitor Organisation="RUS" Order="2" >
      <Composition>
        <Athlete FamilyName="NIKITIN" GivenName="P." />
      </Composition>
    </Competitor>
  </ExtendedInfo>

```

Element: ExtendedInfos /ExtendedInfo /Competitor (0,N) Used for forerunners and similar who do not participate in the competition. Not usually part of DT_PARTIC.			
Attribute	M/O	Value	Description
Organisation	O	CC @Organisation	Add in the extension FORERUNNER if the extension is applicable. Organisation ID of the forerunner
Order	M	Numeric #0	Order of the forerunner in the unit.

Element: ExtendedInfos /ExtendedInfo /Competitor /Composition /Athlete (1,N) Used when the ExtendedInfo is related to a person or a team member. The FamilyName and GivenName because, in many cases, the person related to the ExtendedInfo is not an athlete.			
Attribute	M/O	Value	Description
FamilyName	M	S(25)	Family name of the forerunner
GivenName	O	S(25)	Given name of the forerunner

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

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: 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
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	S(3)	Rank of the competitor in the event unit (not cumulative) for individual event. Do not send in team event (run or overall)
RankEqual	O	S(1)	Send 'Y' if the rank is equalled, else do not send. Do not send in team event (run or overall)
Result	O	m:ss.ff or S(1)	Time for the event unit (not cumulative) in individual events and runs in team event. Points in the team overall message. Send just in the case @ResultType is TIME or POINTS
IRM	O	SC @IRM	Invalid result mark (IRM) for the event unit Send only in the case @ResultType is IRM
QualificationMark	O	SC @QualificationMark	For team overall only, when the team is qualified by points and it can't change anymore (Q), or when tie breaking rule is applied and is qualified by time (QT), or by bib (QB), or when the team won one of the final and it can't change anymore (W or w)
WLT	O	SC @WLT	Code whether the competitor won, lost or tied the unit in head to head.
SortOrder	M	Numeric ##0	This attribute is a sequential number with the order of the results for the event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank. Prior to the unit the order is the same as StartSortOrder (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. Sort order does not change in head-to-head units.
StartOrder	O	Numeric ##0	The start order of the unit. Do not send for DNS.
StartSortOrder	M	Numeric ##0	Used to sort all start list competitors in an event unit. StartSortOrder remains the same as the initial one in case of DNS competitors.
ResultType	O	SC @ResultType	Type of the @Result attribute.
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

Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type		Code	Pos	Description
ER		DIFF_M	N/A	Element Expected: When available in speed events and athlete sets a valid finish time
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0.00	Distance behind the leader (after run) in meters. Do not send for the leader.
ER		SPEED_AVG	N/A	Element Expected: When available in speed events
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0.00	Average speed in km/h
ER		POT_DSQ	N/A	Element Expected: If applicable
	Attribute	M/O	Value	Description
	Value	M	S(1)	Send "Y" if the competitor is a potential disqualification in this unit, else do not send
ER		RE_RUN	N/A	Element Expected: If applicable
	Attribute	M/O	Value	Description
	Value	M	S(1)	Send "Y" if the competitor is granted a Re-Run else do not send. Do not send after Re-Run complete
ER		DSQ_GATE	N/A	Element Expected: If applicable
	Attribute	M/O	Value	Description
	Value	M	S(3)	Gate number at which the competitor was disqualified
ER		RULE	N/A	Element Expected: If applicable
	Attribute	M/O	Value	Description
	Value	M	String	Rule identifier for which the skier was disqualified (e.g.: "629.3"). (Links to ExtendedInfo description.
PROGRESS		INTERMEDIATE	S(2)	Pos Description: Intermediate point where the intermediate time is recorded (1, 2...F). Element Expected: When data is available (individual events). If the competitor has a valid Time and Rank at the intermediate point, then it must be sent despite the fact that the competitor receives an overall IRM later in the race.
	Attribute	M/O	Value	Description
	Value	M	m:ss.ff	Cumulative time at the intermediate point in the current run (not cumulative over all runs). Do not send minutes if zero. If the competitor has a valid Time at the intermediate point then it must be sent despite the fact that the competitor receives an overall IRM later in the race.

Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type	Code	Pos	Description	
Rank	O	S(2)	Send the rank in the unit of the competitor at the intermediate point. Do not consider IRMs at the intermediate point. If the competitor has a valid Rank at the intermediate point, then it must be sent despite the fact that the competitor receives an overall IRM later in the race.	
RankEqual	O	S(1)	Send "Y" if rank is equalled, otherwise do not send	
SortOrder	O	Numeric #0	Send the order of the competitor at the intermediate point	
Diff	O	+s.ff Or -s.ff	The difference behind the race leader at this intermediate point. Send as negative if faster than race leader. Send 0.00 for race leader. If the competitor has a valid Rank and Time at the intermediate point then Diff must be sent despite the fact that the competitor receives an overall IRM later in the race.	
Sub Element: Result /ExtendedResults /ExtendedResult /Extension Expected: When available (individual events)				
Attribute	Value	Description		
Code	DIFF_FAST			
Pos	N/A			
Value	s.ff	The difference behind the fastest competitor at this intermediate point not considering IRMs. Send 0.0 for the fastest competitor at this intermediate point.		
Sub Element: Result /ExtendedResults /ExtendedResult /Extension Expected: Only if the fastest has an IRM else do not send (individual events). At end of unit.				
Attribute	Value	Description		
Code	DIFF_FAST_IRM			
Pos	N/A			
Value	s.ff	The difference behind the fastest competitor if the fastest did not finish or DQ. Send 0.0 for the leader.		
Sub Element: Result /ExtendedResults /ExtendedResult /Extension Expected: At the end of the unit (individual events)				
Attribute	Value	Description		
Code	ERANK_IRM			
Pos	N/A			
Value	S(1)	Send "Y" if the rank of the competitor at the intermediate point considering those with IRMs is equalled.		
Sub Element: Result /ExtendedResults /ExtendedResult /Extension Expected: At the end of the unit (individual events)				
Attribute	Value	Description		
Code	RANK_IRM			
Pos	N/A			

Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type		Code	Pos	Description
	Value	S(2)	Send the rank of the competitor at the intermediate considering those with IRMs also.	
PROGRESS		SECTION	S(2)	Pos Description: Intermediate point at the end of the section where section time is taken (1, 2...F). For example, the first intermediate (Pos="1") indicates the interval between the start gate and first intermediate, "2" is the section from intermediate 1 to intermediate 2, ... Element Expected: When available (individual events)
	Attribute	M/O	Value	Description
	Value	M	s.ff	Time for the section ending at the intermediate point @Pos.
	Rank	O	S(2)	Send the rank of the competitor in the section not considering IRMs
	RankEqual	O	S(1)	Send "Y" if rank is equalled, otherwise do not send
	SortOrder	O	Numeric #0	Send the order of the competitor in the corresponding section.
	Sub Element: Result /ExtendedResults /ExtendedResult /Extension Expected: At the end of the unit (individual events)			
	Attribute	Value	Description	
	Code	ERANK_IRM		
	Pos	N/A		
	Value	S(1)	Send "Y" if the rank of the competitor in the section considering those with IRMs is equalled.	
	Sub Element: Result /ExtendedResults /ExtendedResult /Extension Expected: At the end of the unit (individual events)			
	Attribute	Value	Description	
	Code	RANK_IRM		
	Pos	N/A		
	Value	S(2)	Send the rank of the competitor in the section considering those with IRMs	
PROGRESS		SPEED	S(2)	Pos Description: Speed trap point as defined in DT_CONFIG, 1..total number of speed positions Element Expected: When available for speed event units (individual events)
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0.00	Speed at this point in km/h
	Rank	O	S(2)	Send the speed rank of the competitor at this point not considering IRMs.

Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type		Code	Pos	Description
	RankEqual	O	S(1)	Send "Y" if rank is equalled, otherwise do not send. Not considering IRMs.
	SortOrder	O	Numeric #0	Send the speed order of the competitor
	Sub Element: Result /ExtendedResults /ExtendedResult /Extension Expected: At the end of the unit (individual events)			
	Attribute	Value	Description	
	Code	ERANK_IRM		
	Pos	N/A		
	Value	S(1)	Send "Y" if the speed rank of the competitor considering those with IRMs is equalled.	
	Sub Element: Result /ExtendedResults /ExtendedResult /Extension Expected: At the end of the unit (individual events)			
	Attribute	Value	Description	
	Code	RANK_IRM		
	Pos	N/A		
	Value	S(2)	Send the speed rank of the competitor considering those with IRMs	
	TIE_BREAK		TIME	N/A
	Attribute	M/O	Value	Description
	Value	M	m:ss.ff	Tie break Time (overall Team Event). Should be the tie-break time of the lowest combined time or the fastest single time depending on the criteria which breaks the tie. (used for the winner of the Tie-Break in case of broken by time)
	Diff	O	s.ff	Tie break Time gap (Team Event). Should be the tie-break time gap of the lowest combined time or the fastest single time depending on the criteria which breaks the tie. (used for the loser of the Tie-Break in case of broken by time). Send 0.0 for the winner.
TIE_BREAK		BIB	N/A	Element Expected: If applicable (Only for overall Team Event) Always sent if Tie-break by bib for both teams
	Attribute	M/O	Value	Description
	Value	M	S(3)	Tie break Bib (overall Team Event). Should be the tie-break team number (bib) with the lowest bib number which breaks the tie (used for the winner of the Tie-Break in case of broken by bib)
CRITERIA		WIN	Numeric 0	Pos Description: Order of the criteria Element Expected: If applicable (Only in the last run of the Team Event)

Element: Result /ExtendedResults /ExtendedResult (1,N)					
	Type	Code	Pos	Description	
	Attribute	M/O	Value	Description	
	Value	M	S(2)	Send "Y" if the criteria is required to win the heat	
	Sub Element: Result /ExtendedResults /ExtendedResult /Extension Expected: If applicable (Only in the last run of the Team Event)				
	Attribute	Value	Description		
	Code	ACHIEVED			
	Pos	N/A			
	Value	S(1)	Send Y or N if the win criteria is met or not (Sent after the 4th run of the heat)		
	CRITERIA		FASTER_THAN	Numeric 0	Pos Description: Order of the criteria Element Expected: If applicable (Only in the last run of the Team Event)
	Attribute	M/O	Value	Description	
	Value	M	m:ss.ff	Time required to win the overall Heat	
	Sub Element: Result /ExtendedResults /ExtendedResult /Extension Expected: If applicable (Only in the last run of the Team Event)				
	Attribute	Value	Description		
	Code	ACHIEVED			
	Pos	N/A			
	Value	S(1)	Send Y or N if the win criteria is met or not (Sent after the 4th run of the heat)		
	CRITERIA		FASTER_BY	Numeric 0	Pos Description: Order of the criteria Element Expected: If applicable (Only in the last run of the Team Event)
	Attribute	M/O	Value	Description	
	Diff	O	s.ff	Send the diff required to win the heat	
	Sub Element: Result /ExtendedResults /ExtendedResult /Extension Expected: If applicable (Only in the last run of the Team Event)				
	Attribute	Value	Description		
Code	ACHIEVED				
Pos	N/A				
Value	S(1)	Send Y or N if the win criteria is met or not (Sent after the 4th run of the heat)			

Sample (individual)

```
...
<Result Rank="2" ResultType="TIME" Result="1:42.68" Diff="+0.04" SortOrder="2" StartOrder="12" StartSortOrder="12" >
  <ExtendedResults>
    <ExtendedResult Type="ER" Code="DIFF_M" Value="2.17" />
    <ExtendedResult Type="ER" Code="SPEED_AVG" Value="95.12" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="1" Value="24.34" Diff="+0.05" Rank="2" SortOrder="2">
      <Extension Code="DIFF_FAST" Value="0.19" />
    </ExtendedResult>
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="2" Value="41.68" Diff="+0.11" Rank="5" RankEqual="Y"
SortOrder="5">
      <Extension Code="DIFF_FAST" Value="0.35" />
    </ExtendedResult>
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="3" Value="56.04" Diff="-0.13" Rank="1" SortOrder="1">
      <Extension Code="DIFF_FAST" Value="0.00" />
    </ExtendedResult>
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="4" Value="1:13.26" Diff="+0.07" Rank="2" SortOrder="2">
      <Extension Code="DIFF_FAST" Value="0.11" />
    </ExtendedResult>
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="F" Value="1:42.68" Diff="+0.04" Rank="2" SortOrder="2">
      <Extension Code="DIFF_FAST" Value="0.31" />
    </ExtendedResult>
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="1" Value="24.34" Rank="2" SortOrder="2" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="2" Value="17.34" Rank="10" SortOrder="10" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="3" Value="14.36" Rank="1" SortOrder="1" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="4" Value="17.22" Rank="3" SortOrder="3" />
    <ExtendedResult Type="PROGRESS" Code="SECTION" Pos="F" Value="29.42" Rank="1" SortOrder="1" />
    <ExtendedResult Type="PROGRESS" Code="SPEED" Pos="1" Value="97.65" Rank="9" SortOrder="9" />
    <ExtendedResult Type="PROGRESS" Code="SPEED" Pos="2" Value="99.11" Rank="5" SortOrder="5" />
  </ExtendedResults>
  <Competitor Code="2024039" Type="A" Organisation="GER" >
    <Composition>
      <Athlete Code="2024039" Order="1" Bib="22">
        <Description GivenName="John" FamilyName="SMITH" Gender="M" Organisation="GER" BirthDate="1994-12-15"
IFId="50753" />
      </Athlete>
    </Composition>
  </Competitor>
</Result>
```



Sample (Run in Team Event)

```
<Result ResultType="TIME" Result="42.68" Diff="+0.04" SortOrder="1" StartOrder="1" StartSortOrder="1" WLT="L">
  <Competitor Code="ALPXPLTEAM4-GER01" Type="T" Organisation="GER" Bib="1" >
    <Description TeamName="Germany" />
    <Composition>
      <Athlete Code="2024039" Order="3" Bib="11">
        <Description GivenName="Johana" FamilyName="SMITH" Gender="F" Organisation="GER" BirthDate="1994-12-15"
        IFid="223231"/>
        <EventUnitEntry Type="EUE" Code="COURSE" Value="R" />
      </Athlete>
    </Composition>
  </Competitor>
</Result>
<Result ResultType="TIME" Result="42.64" Diff="0.00" SortOrder="2" StartOrder="2" StartSortOrder="2" WLT="W">
  <Competitor Code="ALPXPLTEAM4-SUI01" Type="T" Organisation="SUI" Bib="8" >
    <Description TeamName="Switzerland" />
    <Composition>
      <Athlete Code="1106860" Order="1" Bib="81">
        <Description GivenName="Lara" FamilyName="GUT" Gender="F" Organisation="SUI" BirthDate="1994-12-15"
        IFid="223241"/>
        <EventUnitEntry Type="EUE" Code="COURSE" Value="B" />
      </Athlete>
    </Composition>
  </Competitor>
</Result>
```

Sample (Heat in Team Event)

```
<Result ResultType="POINTS" Result="2" SortOrder="1" StartOrder="1" StartSortOrder="1" QualificationMark="Q">
  <ExtendedResults>
    <ExtendedResult Type="TIE_BREAK" Code="TIME" Value="35.38" Diff="0.00" />
  </ExtendedResults>
  <ResultItems>
    <ResultItem Unit="ALPXPLTEAM4-----QFNL00010001" Order="1" >
      <Result Rank="2" ResultType="TIME" Result="17.88" SortOrder="2" Diff="+0.96" WLT="L" />
    </ResultItem>
    <ResultItem Unit="ALPXPLTEAM4-----QFNL00010002" Order="2" >
      <Result Rank="1" RankEqual="Y" ResultType="TIME" Result="18.99" SortOrder="1" Diff="0.00" WLT="W" />
    </ResultItem>
    <ResultItem Unit="ALPXPLTEAM4-----QFNL00010003" Order="3" >
      <Result Rank="1" ResultType="TIME" Result="16.99" SortOrder="1" Diff="0.00" WLT="W" />
    </ResultItem>
    <ResultItem Unit="ALPXPLTEAM4-----QFNL00010004" Order="4" >
      <Result Rank="1" ResultType="TIME" Result="17.99" SortOrder="1" Diff="0.00" WLT="W" />
    </ResultItem>
  </ResultItems>
  <Competitor Code="ALPXPLTEAM4-SUI01" Type="T" Organisation="SUI" Bib="8" >
    <Description TeamName="Switzerland"/>
    <EventUnitEntry Type="EUE" Code="TEAM_LEADER" Value="1109567" />
    <Composition>
      <Athlete Code="1106860" Order="1" Bib="81">
        <Description GivenName="Marie" FamilyName="GUT" Gender="F" Organisation="SUI" BirthDate="1994-12-15"
        IFId="223241"/>
      </Athlete>
      <Athlete Code="1106861" Order="2" Bib="82">
        <Description GivenName="Beat" FamilyName="FEUZ" Gender="M" Organisation="SUI" BirthDate="1994-12-14"
        IFId="223242"/>
      </Athlete>
      <Athlete Code="1106863" Order="3" Bib="88">
        <Description GivenName="Lara" FamilyName="THOMAS" Gender="F" Organisation="SUI" BirthDate="1994-12-13"
        IFId="223222"/>
      </Athlete>
      <Athlete Code="1106864" Order="4" Bib="89">
        <Description GivenName="Jenny" FamilyName="LOW" Gender="M" Organisation="SUI" BirthDate="1994-12-12"
        IFId="223211"/>
      </Athlete>
    </Composition>
  </Competitor>
</Result>
```

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

(only for team overall message)

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

Attribute	M/O	Value	Description
Unit	M	CC @Unit	Full RSC of the unit. Only for Team overall message
Order	M	Numeric 0	Order of the sub-units in chronological order. Only in team overall message.

Element: Result /ResultItems /ResultItem /Result (1,1) (only for team overall message) For any Event Unit Results message, there should be at least one competitor being awarded a result for the event unit.			
Attribute	M/O	Value	Description
Rank	O	S(3)	Rank of the competitor in the result for the event 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 identified by /ResultItems /ResultItem
Result	O	m:ss.ff	The result of the competitor for the event unit identified by /ResultItems /ResultItem. Send when the @ResultType is TIME
IRM	O	SC @IRM	The invalid result mark, in case it is assigned for the event unit identified by /ResultItems /ResultItem. Send in the case @ResultType is IRM
Diff	O	+m:ss.ff	Time behind leader in the referenced unit (only for those with a result). 0.00 for the leader. Do not send leading zeros.
WLT	O	SC @WLT	Code to indicate if the athlete won, lost or tied the result item.
SortOrder	M	Numeric ##0	Used to sort all results in an event unit identified by /ResultItems /ResultItem

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	Competitor's ID
Type	M	S(1)	A for athlete, T for Team
Bib	O	S(3)	Team number (for team event)
Organisation	M	CC @Organisation	Competitor's organisation

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

Element: Result /Competitor /EventUnitEntry (0,N) For Overall team event only			
Type	Code	Pos	Description
EUE	TEAM_LEADER	N/A	Element Expected: Always (for overall Team event - heat)
Attribute	M/O	Value	Description
Value	O	S(20) with no leading zeroes	Team leader ID

Element: Result /Competitor /Composition /Athlete (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID.
Order	M	Numeric 0	1 in individual events (if Competitor @Type="A"), and athlete starting order (1..n) for teams (if Competitor @Type="T").
Bib	O	S(5)	Bib number
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

Element: Result /Competitor /Composition /Athlete /EventUnitEntry (0,N) Individual athlete entry information.			
Type	Code	Pos	Description
EUE	SNOWSEED	N/A	Element Expected: If applicable in individual events
	Attribute	M/O	Value
	Value	M	S(1)
			Send "Y" if the athlete is assigned a Snowseed else do not send.
EUE	COURSE	N/A	Element Expected: Always when available in team event only, for each run of the heat
	Attribute	M/O	Value
	Value	O	SC @Course
			Course color indicator (R,B)

2.2.3.5 Message Sort

Sort by Result @SortOrder

2.2.4 Current Results

2.2.4.1 Description

The Current message is a message containing the current information in a competition which is live.

For Alpine Skiing, in Individual events, the Current message contains in the Result element the athlete(s) who is(are) currently on course (current) as well as the athlete who is the next to start (next). There is one result element for each athlete indicated as current or next in the ExtendedInfos element.

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	
DocumentSubcode	Not used	Not used
DocumentType	DT_CURRENT	Current 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.

2.2.4.3 Trigger and Frequency

This message is sent in Individual Events:

- At any time a competitor starts. (This athlete will be considered current along with any others already on the course) 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 (must be sent so a new leader receives a negative time relative to current leader).

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

2.2.4.4 Message Values

Element: ExtendedInfos /ExtendedInfo (1,N)				
Type		Code	Pos	Description
UI		LEADER_TIME	S(2)	Pos Description: Intermediate point where the intermediate time is recorded (S, 1, 2..F). Include F for finishing time of the leader. Use "S" to send the time of the leader before start of the second run in the case of two Run Events. Element Expected: Always (in individual events)
	Attribute	M/O	Value	Description
	Value	M	m:ss.ff	Cumulative time at the intermediate point (or S,F) in the current run. If this is the second run then this will be the cumulative time of all runs. Do not send minutes if zero.
UI		LEADER	N/A	Element Expected: Always (in individual events)
	Attribute	M/O	Value	Description
	Value	M	S(20) without leading zeroes	Send the competitor ID of race leader, not considering current competitor.
DISPLAY		CURRENT	Numeric 0	Pos Description: Send the order of the athletes currently on the course, 1 for the one nearer the finish line. Element Expected: When available (in individual events)
	Attribute	M/O	Value	Description
	Value	M	S(20) without leading zeroes	Send the competitor ID of the current or about to start competitor.

Element: ExtendedInfos /ExtendedInfo (1,N)				
Type		Code	Pos	Description
DISPLAY		NEXT	N/A	Element Expected: When available (in individual events)
	Attribute	M/O	Value	Description
	Value	M	S(20) without leading zeroes	Send the competitor ID of the next competitor to start.
DISPLAY		STARTED	N/A	Element Expected: Once only (unless a restart) for each competitor (in individual units)
	Attribute	M/O	Value	Description
	Value	M	S(20) without leading zeroes	Send the competitor ID of the competitor most recently started.

Sample (Individual event)

```
<ExtendedInfos>
  <ExtendedInfo Type="UI" Code="LEADER_TIME" Pos="1" Value="58.62" />
  <ExtendedInfo Type="UI" Code="LEADER_TIME" Pos="2" Value="1:07.95" />
  <ExtendedInfo Type="UI" Code="LEADER_TIME" Pos="3" Value="1:24.00" />
  <ExtendedInfo Type="UI" Code="LEADER_TIME" Pos="4" Value="1:41.84" />
  <ExtendedInfo Type="UI" Code="LEADER_TIME" Pos="F" Value="1:58.24" />
  <ExtendedInfo Type="UI" Code="LEADER" Value="1109762" />
</ExtendedInfos>
```

Element: Result (0,N)			
Attribute	M/O	Value	Description
Rank	O	S(3)	Rank of the competitor in the event unit. Send cumulative Rank in case of 2 Runs Event.
RankEqual	O	S(1)	Send 'Y' if the rank is equalled, else do not send
Result	O	m:ss.ff	Result in the event unit. Send cumulative Time in case of 2 Runs Event. Send just in the case @ResultType is TIME
IRM	O	SC @IRM	The invalid result mark (IRM) for the event unit if applicable. Send only in the case @ResultType is IRM
SortOrder	M	Numeric	Order by start order for the competitors in the file (1, 2, 3..). 1=the athlete most advanced on the course etc.
StartOrder	M	Numeric	The start order of the unit
StartSortOrder	M	Numeric	Same as SortOrder
ResultType	O	SC @ResultType	Type of the @Result attribute.
Diff	O	+m:ss.ff	Time behind leader based on the result (only for those with a result). 0.00 for the leader. Do not send leading zeros.

Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type	Code	Pos	Description	
ER	RE_RUN	N/A	Element Expected: If applicable	
	Attribute	M/O	Value	Description
	Value	M	S(1)	Send "Y" if the competitor is a Re-Run athlete else do not send. Do not send after Re-Run complete
PROGRESS	INTERMEDIATE	S(2)	Pos Description: Intermediate point where the intermediate time is recorded (S, 1, 2..F). Always send "S" to indicate the athlete started. In 2-Run events, "S" is the point before the competitor starts 2nd Run. Element Expected: When data is available. For next athlete(s) to start use "S" to indicate the Start Lead time and Diff.	
	Attribute	M/O	Value	Description
	Value	M	m:ss.ff	Cumulative time at the intermediate point in the current run (if this is the second run this is the cumulative time considering the first run also). Do not send minutes if zero.
	Rank	O	S(2)	Send the rank of the competitor at the intermediate point. Do not consider IRMs at the intermediate point. If the competitor has a valid Rank at the intermediate point, then it must be sent despite the fact that the competitor receives an overall IRM later in the race.
	RankEqual	O	S(1)	Send "Y" if rank is equalled, otherwise do not send
	Diff	O	+s.ff Or -s.ff	The difference behind the overall race leader at this intermediate point (considering all runs). Send as negative if faster than race leader. Send 0.00 for the overall race leader. In 2-Run events, when Pos="S" for the 2nd Run, then Diff is the 1st Run time difference between the current competitor and the overall leader time.
PROGRESS	SPEED	S(2)	Pos Description: Speed trap point as defined in DT_CONFIG, 1..n over all speed traps on the course. Element Expected: When available in speed units	
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0.00	Speed at this point in km/h
	Rank	O	S(2)	Send the speed rank of the competitor at this point
	RankEqual	O	S(1)	Send "Y" if rank is equalled, otherwise do not send.
	Diff	O	Numeric +/-#0.00	The difference in speed behind the race leader at this speed trap. Send as negative if faster than race leader.

Sample (Individual events)

```
<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="S" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="1" Value="24.34" Diff="+0.05" Rank="2" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="2" Value="41.68" Diff="+0.11" Rank="5"
RankEqual="Y" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="3" Value="56.04" Diff="-0.13" Rank="1" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="4" Value="1:13.26" Diff="+0.07" Rank="2" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="F" Value="1:42.68" Diff="+0.04" Rank="2" />
    <ExtendedResult Type="PROGRESS" Code="SPEED" Pos="1" Value="97.65" Rank="9" Diff="+0.18" />
    <ExtendedResult Type="PROGRESS" Code="SPEED" Pos="2" Value="99.11" Rank="5" Diff="-0.02" />
  </ExtendedResults>
  <Competitor Code="2024039" Type="A" Organisation="GER" >
    <Composition>
      <Athlete Code="2024039" Order="1" Bib="22">
        <Description GivenName="John" FamilyName="SMITH" Gender="M" Organisation="GER" BirthDate="1994-12-15"
IFId="50753" />
      </Athlete>
    </Composition>
  </Competitor>
</Result>
```

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

Element: Result /Competitor /Composition /Athlete (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID
Order	M	Numeric 0	1 in individual events (if Competitor @Type="A")
Bib	O	S(5)	Bib number

2.2.4.5 Message Sort

Order by StartSortOrder

2.2.5 Cumulative Results

2.2.5.1 Description

The Cumulative Results is a message containing the cumulative results for the competitors in a group of units either in a single phase or over a number of phases. This message is used when the competitor scores accumulate over the different units.

The Cumulative Results message in Alpine Skiing is used to send the cumulative results of the competition for Individual Events (with more than one unit/run).

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). It is only used in Individual events, the cumulative message is for an event in this discipline. Note that this message is not applicable to trainings or trials.
DocumentType	DT_CUMULATIVE_RESULT	Cumulative Results message
DocumentSubtype	Not used	Not used
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	It indicates the status of the results LIVE INTERMEDIATE UNCONFIRMED 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.

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

2.2.5.3 Trigger and Frequency

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

The first version is generally triggered at the same time as the start list of the first unit is triggered.

This message is sent in Individual Events:

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

2.2.5.4 Message Values

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

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

Element: ExtendedInfos /VenueDescription (0,1)

Venue Names in Text. DO NOT INCLUDE unless all at single venue.

Attribute	M/O	Value	Description
Venue	M	CC @VenueCode	Venue Code
VenueName	M	S(25)	Venue short name (not code) from Common Codes

Element: Result (1,N)

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

Attribute	M/O	Value	Description
Rank	O	S(3)	Rank of the competitor in the cumulative result. Do not include the rank during the second and subsequent units until the competitor has completed the unit. This attribute is optional because the competitor could get an invalid result mark.
RankEqual	O	S(1)	Send Y in case of the Rank has been equalled else do not send. Do not include the rank during the second and subsequent units until the competitor has completed the unit. This attribute is optional because the competitor could get an invalid result mark.
ResultType	O	SC @ResultType	Type of the @Result attribute
Result	O	m:ss.ff	The cumulative result of the competitor Send when the @ResultType is TIME
IRM	O	SC @IRM	Invalid result mark (IRM) for the cumulative result, in case it is assigned. Send just in the case @ResultType is IRM
Diff	O	+m:ss.ff	Total time behind leader. 0.00 for the leader. Do not send leading zeros. Do not send if @ResultType = IRM
SortOrder	M	Numeric ##0	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.

Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type	Code	Pos	Description	
PROGRESS	INTERMEDIATE	S(2)	<p>Pos Description: Intermediate point where the intermediate time is recorded (S, 1, 2..F). In 2-Run events, "S" is the point before the competitor starts 2nd Run.</p> <p>Element Expected: When data is available in individual events with more than one run. In 2-Run events, send Start Lead time using "S" in Pos for all athletes including those who haven't started the 2nd Run yet.</p>	
Attribute	M/O	Value	Description	
Value	O	m:ss.ff	Cumulative time (inc. previous runs) at the intermediate point in the second run. Do not send minutes if zero.	
Rank	O	S(2)	Send the rank of the competitor at the intermediate point	
RankEqual	O	S(1)	Send "Y" if rank is equalled, otherwise do not send	
SortOrder	O	Numeric #0	Send the order of the competitor at the intermediate point	
Diff	O	+m:ss.ff or -m:ss.ff	<p>Total time diff (Start Lead) with the current overall event leader at this intermediate point. Send 0.00 for the leader. Do not send leading zeros. Send negative when ahead of overall leader.</p> <p>In 2-Run events, when Pos="S" for the 2nd Run, then Diff is the 1st Run time difference between the current competitor and the overall leader time.</p>	

Element: Result /ResultItems /ResultItem (1,N)			
Identifier of the unit which is included the result summary. ResultItem /Result will be for one previous unit.			
Attribute	M/O	Value	Description
Unit	M	CC @Unit	Full RSC of the unit
Order	M	Numeric 0	Logical order of the sub-units, chronological.

Element: Result /ResultItems /ResultItem /Result (1,1)			
Attribute	M/O	Value	Description
Rank	O	S(3)	Rank of the competitor in the result for the phase identified by @Unit at /ResultItems /ResultItem.
RankEqual	O	S(1)	Identifies if a rank has been equalled. Send Y if applicable.
ResultType	O	SC @ResultType	Type of the @Result attribute for the phase identified by /ResultItems /ResultItem.

Element: Result /ResultItems /ResultItem /Result (1,1)			
Attribute	M/O	Value	Description
Result	O	m:ss.ff	The result of the competitor for the event unit identified by /ResultItems /ResultItem. Send when the @ResultType is TIME
IRM	O	SC @IRM	The invalid result mark, in case it is assigned for the event unit identified by /ResultItems /ResultItem. Send in the case @ResultType is IRM
Diff	O	+m:ss.ff	Time behind leader in the referenced unit (only for those with a result). 0.00 for the leader. Do not send leading zeros.
SortOrder	M	Numeric ##0	Used to sort all results in an event unit identified by /ResultItems /ResultItem

Sample (Individual two run event)

```

<Result Rank="1" ResultType="TIME" Result="2:36.87" SortOrder="1" Diff="0.00" >
  <ExtendedResults>
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="1" Rank="2" SortOrder="2" Value="1:45.65"
    ValueType="TIME" Diff="+0.04" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="2" Rank="1" SortOrder="1" Value="2:04.68"
    ValueType="TIME" Diff="0.00" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="3" Rank="1" SortOrder="1" Value="2:19.81"
    ValueType="TIME" Diff="0.00" />
    <ExtendedResult Type="PROGRESS" Code="INTERMEDIATE" Pos="4" Rank="1" SortOrder="1" Value="2:36.87"
    ValueType="TIME" Diff="0.00" />
  </ExtendedResults>
  <ResultItems>
    <ResultItem Unit="ALPMAC-----FNL-0001DH--" Order="1" >
      <Result Rank="1" ResultType="TIME" Result="1:17.88" SortOrder="1" Diff="0.00" />
    </ResultItem>
    <ResultItem Unit="ALPMAC-----FNL-0001SL--" Order="2">
      <Result Rank="11" ResultType="TIME" Result="1:18.99" SortOrder="11" Diff="+0.35" />
    </ResultItem>
  </ResultItems>
  <Competitor Code="2041843" Type="A" Organisation="GER" >
    <Composition>
      <Athlete Code="2041843" Order="1" Bib="1">
        <Description GivenName="John" FamilyName="SMITH" Gender="M" Organisation="GER" BirthDate="1994-12-15"
        />
      </Athlete>
    </Composition>
  </Competitor>
</Result>

```

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

Element: Result /Competitor /Composition /Athlete (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID
Order	M	Numeric	Send 1 as the competitor is an athlete
Bib	O	S(5)	Bib 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

2.2.5.5 Message Sort

The ResultItems should be ordered in the same order in which they took place, earliest to latest.

Result @SortOrder will be the attribute used to sort the results.

During a unit (particularly units where athletes participate one-by-one). Then the order should be:

- 1) All athletes finished the current unit ordered by overall rank
- 2) All athletes on course (in the order of their result at the intermediate; in case of several intermediates from the one further down the course to the one nearest to the start)
- 3) All athlete still to start in the current unit (start order)
- 4) All athletes not qualified, but having a score from previous units
- 5) All athletes with IRM (sorting according to Discipline/ORIS standard order)

2.2.6 Brackets

2.2.6.1 Description

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

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

2.2.6.3 Trigger and Frequency

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

Send when a match/event unit is completed, including Unofficial and Official status (only resend if there were changes from unofficial to official). The message should be updated including information on each competitor in the different bracket items.

This message is sent in Team event only:

- After the draw is complete (START_LIST)
- After event heat (team vs team, not each run) is complete (INTERMEDIATE)
- After the last final (UNOFFICIAL/OFFICIAL)
- After any change

2.2.6.4 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.
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 (only if only one location is used)
LocationName	M	S(30)	Location short name (not code) from Common Codes

Element: Bracket (1,N)

Attribute	M/O	Value	Description
Code	M	SC @Bracket	Bracket code to identify a bracket item (FNL except BRN for the small final)

Element: Bracket /BracketItems (1,N)

Attribute	M/O	Value	Description
Code	M	SC @BracketItems	Bracket code to identify a set of bracket items. It usually refers to the round in the brackets, for example quarterfinal or semifinal etc.

Element: Bracket /BracketItems /BracketItem (1,N)			
Attribute	M/O	Value	Description
Code	O	Numeric #0	Bracket code to identify a bracket item. Heat or semifinal number within the bracket item
Order	M	Numeric	Sequential number inside of BracketItems to indicate the order, always start at 1
Position	M	Numeric #0	Bracket position when drawing the bracket. For example, a quarter final has 4 items, with positions 1, 2, 3 and 4 from the top. Use the appropriate number to draw the position.
Date	O	Date	YYYY-MM-DD. Must be filled if known
Time	O	S(5)	HH:MM. Must be filled if known
Unit	O	CC @Unit	Full RSC of the unit for the BracketItem

Element: Bracket /BracketItems /BracketItem /CompetitorPlace (1,N)			
- If the competitors are known, this element is used to place the competitors in the bracket.			
- If they are not yet known, it contains some information (on the rule to access to this bracket...)			
Attribute	M/O	Value	Description
Pos	M	Numeric 0	This attribute is a sequential number to place the competitors in the bracket (1 or 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
Result	O	Numeric 0	Team points for the competitor (expected unless IRM)
IRM	O	SC @IRM	The invalid rank mark, if applicable
StrikeOut	O	S(1)	If the competitor should be struck out in this bracket item send Y, usually only used for DQB.

Element: Bracket /BracketItems /BracketItem /CompetitorPlace /ExtCompPlaces /ExtCompPlace (1,N)				
Type	Code	Pos	Description	
ECP	TIME	N/A	Element Expected: When applicable	
	Attribute	M/O	Value	Description
	Value	M	m:ss.ff	Tie break Time. The tie-break time of the combined time or the fastest single time depending on the criteria which breaks the tie (used for the winner of the Tie-Break in case of broken by time)
ECP	DIFF	N/A	Element Expected: When applicable	
	Attribute	M/O	Value	Description
	Value	M	s.ff	Tie break Time gap. The tie-break time gap of the combined time or the fastest single time depending on the criteria which breaks the tie (used for the loser of the Tie-Break in case of broken by time). Send 0.0 for the winner.

Element: Bracket /BracketItems /BracketItem /CompetitorPlace /PreviousUnit (0,1)

Previous event unit related to the CompetitorPlace@Pos competitor of the current bracket item. It is always informed except for the bracket items whose CompetitorPlace@Pos competitor do not have preceding event units in the bracket graph unless coming from a pool.

Attribute	M/O	Value	Description
Unit	O	CC @Unit	Full RSC code of the unit where the competitor progress from. Does not apply in the first phase.
WLT	O	S(1)	If the competitor in the current unit is unknown and coming from an earlier bracketitem then fill this field with the W or L indication winner or loser of the previous unit if the information is known.

Element: Bracket /BracketItems /BracketItem /CompetitorPlace /Competitor (0,1)

CompetitorPlace @Pos competitor related to the bracket item. Only include if the competitor is known .

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

Element: Bracket /BracketItems /BracketItem /CompetitorPlace /Competitor /Description (0,1)

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

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

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID (corresponding to a team member) (Only include athletes after the unit is complete)
Order	M	Numeric 0	Order attribute used to sort team members in a team (if Competitor @Type="T"). After each run it will be the order in which the athletes participated (run order).

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

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

Element: Bracket /BracketItems /BracketItem /CompetitorPlace /Competitor /Composition /Athlete /ExtBracketAths /ExtBracketAth (1,N) CompetitorPlace @Pos team member's extended bracket information (Competitor @Type="T") according to competitors' rules.				
Type	Code	Pos	Description	
EBA	RESULT	Numeric 0	Pos Description: Send the Run number Element Expected: If the competitor won the run, unless IRM	
	Attribute	M/O	Value	Description
	Value	O	m:ss.ff	Send the time for the winning athlete.
EBA	DIFF	Numeric 0	Pos Description: Send the Run number Element Expected: If the competitor lost the run, unless IRM	
	Attribute	M/O	Value	Description
	Value	O	+s.ff	Time behind winner. Send 0.00 for the winner.
EBA	IRM	Numeric 0	Pos Description: Send the Run number Element Expected: If applicable	
	Attribute	M/O	Value	Description
	Value	O	SC @IRM	Send applicable code.

Sample

```
<Bracket Code="FNL">
  <BracketItems Code="QFNL">
    <BracketItem Code="1" Order="1" Time="13:20" Date="2018-02-16" Unit="ALPXPLTEAM4-----QFNL00010000"
NextUnit="ALPXPLTEAM4-----SFNL00010000">
      <CompetitorPlace Pos="1" WLT="W" Result="3" >
        <ExtCompPlaces>
          <ExtCompPlace Type="ECP" Code="TIME" Value="47.59" />
          <ExtCompPlace Type="ECP" Code="DIFF" Value="0.00" />
        </ExtCompPlaces>
        <PreviousUnit Unit="ALPXPLTEAM4-----8FNL00010000" WLT="W" />
        <Competitor Code="ALPXPLTEAM4-SUI01" Type="T" Organisation="SUI">
          <Description TeamName="Switzerland"/>
          <Composition>
            <Athlete Code="2031721" Order="1" >
              <Description GivenName="DJ" FamilyName="BROWN" Gender="M" Organisation="SUI" BirthDate="1992-12-
14" IFId="460060" />
              <ExtBracketAths>
                <ExtBracketAth Type="EBA" Code="RESULT" Value="23.59" Pos="4" />
              </ExtBracketAths>
              </Athlete>
              <Athlete Code="2031624" Order="2" >
                <Description GivenName="Marie" FamilyName="LEE" Gender="F" Organisation="SUI" BirthDate="1994-12-15"
IFId="460071" />
                <ExtBracketAths>
                  <ExtBracketAth Type="EBA" Code="DIFF" Value="+0.88" Pos="2" />
                </ExtBracketAths>
                </Athlete>
                <Athlete Code="2031626" Order="3" >
                  <Description GivenName="Lara" FamilyName="KWAN" Gender="F" Organisation="SUI" BirthDate="1993-12-15"
IFId="465098" />
                  <ExtBracketAths>
                    <ExtBracketAth Type="EBA" Code="RESULT" Value="24.04" Pos="1" />
                  </ExtBracketAths>
                  </Athlete>
                  <Athlete Code="2031721" Order="4" >
                    <Description GivenName="John" FamilyName="KO" Gender="M" Organisation="SUI" BirthDate="1992-12-15"
IFId="465112" />
                    <ExtBracketAths>
                      <ExtBracketAth Type="EBA" Code="DIFF" Value="+0.15" Pos="3" />
                    </ExtBracketAths>
                    </Athlete>
                  </Composition>
                </Competitor>
              </CompetitorPlace>
            ...
          </BracketItem>
```

2.2.6.5 Message Sort

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

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.

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

2.2.7.2 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. One message is sent for each event, and in addition one message for the speed unit in the Alpine Combined (as OFFICIAL also).
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.

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

2.2.7.3 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 or some ranking in that unit are not subject to change.

Usually only sent after the competition with status OFFICIAL in Alpine Skiing.

Trigger also after any change.

2.2.7.4 Message Values

Element: ExtendedInfos /ExtendedInfo (0,N)
(for Individual events)

Type	Code	Pos	Description
FIS_CALC	A	N/A	Element Expected: When available in individual events
	Attribute	M/O	Value
	Value	M	Numeric ##0.00
			Total FIS Points of the best 5 competitors who finished in the top 10 (A) of this race. In case of the first run of event Alpine Combined (e.g.: for ACDH), the "top 10 finish" is considered for the best 5 competitors who have finished both AC runs.
FIS_CALC	B	N/A	Element Expected: When available in individual events
	Attribute	M/O	Value
	Value	M	Numeric ##0.00
			Total FIS Points of the best 5 competitors at Start (B)

Element: ExtendedInfos /ExtendedInfo (0,N) (for Individual events)				
Type		Code	Pos	Description
FIS_CALC		C	N/A	Element Expected: When available in individual events
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0.00	Total FIS Points of corresponding (the best 5) competitors (C) from this race.
FIS_CALC		CALC_ABC	N/A	Element Expected: When available in individual events
	Attribute	M/O	Value	Description
	Value	M	Numeric +/-#0.000	Total calculated penalty (A+B-C)/10 (i.e.: (A plus B minus C) divided by 10)
FIS_CALC		CALC_ABC_ROUND	N/A	Element Expected: When available in individual events
	Attribute	M/O	Value	Description
	Value	M	Numeric +/-#0.00	Total calculated penalty rounded
FIS_CALC		CATEGORY_ADD	N/A	Element Expected: When available in individual events
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0.00	Category adder
FIS_CALC		Z	N/A	Element Expected: When available in individual events
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0.00	Correction value (Z)
FIS_CALC		PTY_CALC	N/A	Element Expected: When available in individual events
	Attribute	M/O	Value	Description
	Value	M	Numeric +/-##0.0	Calculated penalty
FIS_CALC		PTY_APPL	N/A	Element Expected: When available in individual events
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0.00	Penalty applied
FIS_CALC		F_FACTOR	N/A	Element Expected: When available in individual events
	Attribute	M/O	Value	Description
	Value	M	Numeric ###0	F-factor

Element: ExtendedInfos /SportDescription (0,1)

Sport Description in text

Attribute	M/O	Value	Description
DisciplineName	M	S(40)	Discipline name (not code) from Common Codes
EventName	M	S(40)	Event name (not code) from Common Codes. Must be included if it is a single event
Gender	M	CC @DisciplineGender	Gender code for the event unit. Must be included if it is a single gender

Element: ExtendedInfos /VenueDescription (0,1)

Attribute	M/O	Value	Description
Venue	M	CC @VenueCode	Venue code
VenueName	M	S(25)	Venue short name (not code) from Common Codes

Sample (Individual event)

```
<ExtendedInfos>
  <ExtendedInfo Type="FIS_CALC" Code="B" Value="6.64" />
  <ExtendedInfo Type="FIS_CALC" Code="A" Value="8.98" />
  <ExtendedInfo Type="FIS_CALC" Code="C" Value="23.19" />
  <ExtendedInfo Type="FIS_CALC" Code="CALC_ABC" Value="-0.757" />
  <ExtendedInfo Type="FIS_CALC" Code="CALC_ABC_ROUND" Value="-0.76" />
  <ExtendedInfo Type="FIS_CALC" Code="CATEGORY_ADD" Value="0.00" />
  <ExtendedInfo Type="FIS_CALC" Code="Z" Value="0.00" />
  <ExtendedInfo Type="FIS_CALC" Code="PTY_CALC" Value="-0.76" />
  <ExtendedInfo Type="FIS_CALC" Code="PTY_APPL" Value="0.00" />
  <ExtendedInfo Type="FIS_CALC" Code="F_FACTOR" Value="1070" />
  <SportDescription DisciplineName="Alpine Skiing" EventName="Ladies' Alpine Combined" Gender="W" />
  <VenueDescription Venue="JAL" VenueName="Jeongseon Alpine Centre" />
</ExtendedInfos>
```

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	S(3)	Rank of the competitor in the result. Final rank of the competitor in the corresponding event. This attribute is optional because the competitor could get an invalid result mark.
RankEqual	O	S(1)	Identifies if a rank has been equalled. Send Y if applicable
ResultType	O	SC @ResultType	Type of the @Result attribute
Result	O	m:ss:ff	The result of the competitor in the event. Time if ResultType is TIME (only include in individual events).
Diff	O	+m:ss:ff	Time difference behind leader or 0.00 for leader. Do not send leading zero. (in the case @ResultType is TIME). Only applies in individual events.

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
IRM	O	SC @IRM	Send if the competitor has an invalid result mark (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 (1,N) (for Individual events)				
Type	Code	Pos	Description	
ER	RACE_PTS	N/A	Element Expected: Always in individual events	
	Attribute	M/O	Value	Description
	Value	O	Numeric ##0.00	Race points earned for each ranked competitor (in the case @ResultType is TIME)
ER	BEST_START	N/A	Element Expected: Only for the best 5 skiers at start of the event in individual events	
	Attribute	M/O	Value	Description
	Value	O	Numeric 0	Indicator of the best 5 skiers according to their FIS points at the start of the event, 1..5

Sample (Individual event)

```
<Result Rank="2" ResultType="TIME" Result="2:35.02" Diff="+0.40" SortOrder="2" >
  <ExtendedResults>
    <ExtendedResult Type="ER" Code="RACE_PTS" Value="2.77" />
    <ExtendedResult Type="ER" Code="BEST_START" Value="2" />
  </ExtendedResults>
  <Competitor Code="2023550" Type="A" Organisation="GER" >
    <Composition>
      <Athlete Code="2023550" Order="1" >
        <Description GivenName="John" FamilyName="SMITH" Gender="M" Organisation="GER" BirthDate="1994-12-15" IFId="291459" />
      </Athlete>
    </Composition>
  </Competitor>
</Result>
```

Sample (Team event)

```
<Result Rank="2" SortOrder="2">
  <Competitor Code="ALPXLTEAM4-SUI01" Type="T" Organisation="SUI" >
    <Description TeamName="Switzerland"/>
    <Composition>
      <Athlete Code="2023550" Order="1" >
        <Description GivenName="John" FamilyName="SMITH" Gender="M" Organisation="SUI" BirthDate="1994-12-15" IFId="460060" />
      </Athlete>
      <Athlete Code="2031721" Order="1" >
        <Description GivenName="DJ" FamilyName="BROWN" Gender="M" Organisation="SUI" BirthDate="1992-12-14" IFId="465098" />
      </Athlete>
      <Athlete Code="2031624" Order="3" >
        <Description GivenName="Marie" FamilyName="GAGNON" Gender="F" Organisation="SUI" BirthDate="1994-12-15" IFId="460071" />
      </Athlete>
    ...
  </Competitor>
</Result>
```

Element: Result /Competitor (1,1)

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

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

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

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 participating in the event.
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: 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.

2.2.7.5 Message Sort

Sort by Result @SortOrder

2.2.8 Weather

2.2.8.1 Description

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

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	Full RSC at discipline level
DocumentSubcode	CC @Location	Location code (venue level)
DocumentType	DT_WEATHER	Weather conditions in venue
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.

2.2.8.3 Trigger and Frequency

The message is sent

- once per session (approximately 30 minutes before start of session)
- when conditions change significantly during the session

2.2.8.4 Message Values

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

Element: Weather /Conditions (1,N)			
Attribute	M/O	Value	Description
Code	M	SC @WeatherPoint	Weather Points, send START and FINISH
Humidity	O	Numeric ##0	Humidity in %
Wind_Direction	O	CC @WindDirection	Wind direction
Prec_Type	O	SC @PrecType	Precipitation type (if applicable)

Element: Weather /Conditions /Condition (0,3)			
Attribute	M/O	Value	Description
Code	M	S(4)	Weather condition type, send SKY and SNOW
Value	M	CC @WeatherConditions Or CC @SnowConditions	Codes that describe the Weather Condition. Use CC @WeatherConditions for SKY Use CC @SnowConditions for SNOW

Element: Weather /Conditions /Temperature (0,N) If data available			
Attribute	M/O	Value	Description
Code	M	S(4)	Temperature type, send AIR, SNOW
Unit	M	SC @TemperatureUnit	Unit for temperature, send both Celsius and Fahrenheit.
Value	M	Numeric -#0.0 or #0.0	Temperature of the @Code. Negative if applicable

Element: Weather /Conditions /Wind (0,N)			
Attribute	M/O	Value	Description
Code	M	S(5)	Wind Speed, send SPEED
Unit	M	SC @WindUnit	Unit for Wind. Use MS and KMH
Value	M	Numeric ##0.0	Wind speed in @Unit

Sample

```
<Weather Date="2006-02-06T13:00:00+01:00" >
  <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>
```

2.2.8.5 Message Sort

There is no special sort order requirement for this message.

2.2.9 Federation Ranking

2.2.9.1 Description

The Federation Ranking is a message containing the rankings in a discipline. The rankings may be over the whole discipline or divided by event as appropriate for the discipline. One message may contain a single event or multiple events.

Rankings may be based on some points system and updated at fixed points or based on single performances and updated with each new performance.

Rankings may be for a fixed period, for example a calendar year or be taken over a rolling period.

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	Sent according to the ODF Common Codes document (header values). This message is only applicable for individual events. One message for each event with World Cup Standings (DocumentSubtype="WC") One message for each event with World Cup Start List Points (WCSL) (DocumentSubtype="WCSL") One message (at discipline gender level) for the overall World Cup Standings (DocumentSubtype="WC") One message (at discipline gender level) for the overall World Cup Start List Points (DocumentSubtype="WCSL")
DocumentSubcode	N/A	N/A
DocumentType	DT_FED_RANKING	Federation ranking message
DocumentSubtype	S(20)	Federation Ranking type: WC: for "World Cup Standings" WCSL: for "World Cup Start List Points"
Version	1..V	Version number associated to the message's content. Ascendant number
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.

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

2.2.9.3 Trigger and Frequency

This message is sent in Individual events:

- As soon as the venue results system is operational (for DocumentSubtype WC and WCSL)
- After each event is official (for DocumentSubtype WCSL)

2.2.9.4 Message Values

Element: ExtendedInfos /DateTime (1,1)			
Attribute	M/O	Value	Description
Update	M	Date	Date of the Rankings, may be different to the date of the message.

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

Element: Rankings (1,N)			
Attribute	M/O	Value	Description
Code	M	Full RSC	Full RSC of the Discipline Gender or Event as applicable
Description	M	S(40)	Full name applicable to the code (Text short description, not code)

Element: Rankings /ExtendedInfos /ExtendedInfo (0,N)				
Type	Code	Pos	Description	
TOP	CC @Organisation	Numeric ##0	Pos Description: Order of organisations Element Expected: Only for individual event rankings	
	Attribute	M/O	Value	Description
	Value	O	Numeric ##0	Number of athletes from this organisation
TOTAL	COMPETITOR	N/A	Element Expected: Always	
	Attribute	M/O	Value	Description
	Value	O	Numeric ##0	Number of competitors in the list
TOTAL	NOC	N/A	Element Expected: Always	
	Attribute	M/O	Value	Description
	Value	O	Numeric ##0	Number of NOCs in the list

Sample (Event)

```

...
<Rankings Code="ALPMDH-----" Description="Men's Downhill" >
  <ExtendedInfos>
    <ExtendedInfo Type="TOTAL" Code="COMPETITOR" Value="143" />
    <ExtendedInfo Type="TOTAL" Code="NOC" Value="57" />
    <ExtendedInfo Type="TOP" Code="AUT" Pos="1" Value="13" />
    <ExtendedInfo Type="TOP" Code="SUI" Pos="2" Value="11" />
    ...
    <ListComp Date="2013-11-30" Place="Lake Louise" Country="CAN" Pos="1" />
    <ListComp Date="2013-12-06" Place="Beaver Creek" Country="USA" Pos="2" />
    <ListComp Date="2013-12-21" Place="Val Gardena" Country="ITA" Pos="3" />
    <ListComp Date="2013-12-29" Place="Bormio" Country="ITA" Pos="4" />
    <ListComp Date="2014-01-18" Place="Wengen" Country="SUI" Pos="5" />
    <ListComp Date="2014-02-09" Place="Rosa Khutor" Country="RUS" Pos="6" />
  </ExtendedInfos>

```

Sample (Overall)

```

<Rankings Code="ALPW-----" Description="Women's Alpine Skiing" >
  <ExtendedInfos>
    <ExtendedInfo Type="TOTAL" Code="COMPETITOR" Value="143" />
    <ExtendedInfo Type="TOTAL" Code="NOC" Value="57" />
  </ExtendedInfos>

```

Element: Rankings /ExtendedInfos /ListComp (0,N)			
Attribute	M/O	Value	Description
Date	M	Date	Date when the related competition took place (starting date).
Place	O	S(40)	Place when the related competition took place.
Country	O	CC @Country	Country when the related competition took place.
Pos	M	Numeric ##0	Order for the related competitions

Element: Rankings /Ranking (1,N)			
Attribute	M/O	Value	Description
Rank	M	S(4)	Rank of the competitor
RankEqual	O	S(1)	Send 'Y' if the rank is equalled, else do not send
Value	O	S(5)	Points value, '-' for no value
SortOrder	M	Numeric ###0	Order over all rankings considering equals etc.

Element: Rankings /Ranking /ExtRanking /ListComp (0,N)			
Attribute	M/O	Value	Description
Value	M	S(3)	Points value in the related competition (could be '-')
Pos	M	Numeric ##0	Link to the competition Rankings /ExtendedInfos /ListComp @Pos

Element: Rankings /Ranking /ExtRanking /ExtRank (0,N)				
Type		Code	Pos	Description
EFR		BASE	N/A	Element Expected: Only for WCSL (at event level)
EFR	Attribute	M/O	Value	Description
	Value	O	Numeric ###0	Last season World Cup Start list Points, '-' for no value
	Attribute	X	N/A	Element Expected: Only for WCSL (at event level)
EFR	Attribute	M/O	Value	Description
	Value	O	Numeric ###0	X value, (Base/number of planned races in the current season) * (number of completed races in the current season)
	Attribute	Y	N/A	Element Expected: Only for WCSL (at event level)
EFR	Attribute	M/O	Value	Description
	Value	O	Numeric ###0	Y value, (FIS World Cup points won in the current season)
	Attribute			

Element: Rankings /Ranking /ExtRanking /ExtRank (0,N)				
Type	Code	Pos	Description	
EFR	CC @Event	N/A	Code Description: Send proposed code (full event RSC)	
			Element Expected: Only for overall and only if the athlete has points in the event	
	Attribute	M/O	Value	Description
	Value	O	Numeric ###0	World Cup Points in the event
	Rank	O	Numeric ###0	Send World Cup Rank in the event
	RankEqual	O	S(1)	Send 'Y' if the Rank is equalled else do not send
EFR	DIFF	N/A	Element Expected: Except for WCSL (at event level)	
	Attribute	M/O	Value	Description
	Value	O	Numeric ###0	The difference in points to the leader. Do not send for the leader.

Sample (Event WCSL)

```

<Ranking Rank="1" Value="652" SortOrder="1">
  <ExtRanking>
    <ListComp Value="50" Pos="1" />
    <ListComp Value="100" Pos="2" />
    <ListComp Value="50" Pos="3" />
    <ListComp Value="100" Pos="4" />
    <ListComp Value="60" Pos="5" />
    <ListComp Value="80" Pos="6" />
    <ListComp Value="50" Pos="7" />
    <ExtRank Type="EFR" Code="BASE" Value="539" />
    <ExtRank Type="EFR" Code="X" Value="377" />
    <ExtRank Type="EFR" Code="Y" Value="490" />
  </ExtRanking>
  <Competitor Code="2022663" Type="A" Current="N" Organisation="AUT" >
    <Composition>
      <Athlete Code="2022663" Order="1">
        <Description GivenName="Thomas" FamilyName="BOWIE" Gender="M" Organisation="AUT"
        BirthDate="1990-08-27" IFid="421328" />
      </Athlete>
    </Composition>
  </Competitor>
</Ranking>

```

Sample (Overall)

```
<Ranking Rank="1" Value="1593" SortOrder="1" >
  <ExtRanking>
    <ExtRank Type="EFR" Code="ALPWDH-----" Value="123" Rank="24" />
    <ExtRank Type="EFR" Code="ALPWSG-----" Value="73" Rank="67" />
  </ExtRanking>
  <Competitor Code="1130392" Type="A" Current="Y" Organisation="USA">
    <Composition>
      <Athlete Code="1130392" Order="1">
        <Description GivenName="Marie" FamilyName="BOWIE" Gender="F" Organisation="USA" BirthDate="1990-08-27"
        IFId="421060" />
      </Athlete>
    </Composition>
  </Competitor>
</Ranking>
<Ranking Rank="2" Value="1343" SortOrder="2" >
  <ExtRanking>
    <ExtRank Type="EFR" Code="DIFF" Value="250" />
    <ExtRank Type="EFR" Code="ALPWDH-----" Value="136" Rank="26" />
  </ExtRanking>
</Ranking>
```

Element: Rankings /Ranking /Competitor (1,1)

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Competitor's ID Athlete's ID (for Competitor @Type=A)
Type	M	S(1)	A for athlete
Current	M	S(1)	Usually send 'Y' if the competitor is taking part in the current competition or 'N' if not participating.
Organisation	O	CC @Organisation	Competitor's organisation

Element: Rankings /Ranking /Competitor /Composition /Athlete (1,N)

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID
Order	M	Numeric	1 in individual events (if Competitor @Type=A)

Element: Rankings /Ranking /Competitor /Composition /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



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2.2.9.5 Message Sort

Sort by Ranking @SortOrder and @Pos where it exists

2.2.10 Configuration

2.2.10.1 Description

The Configuration is a message containing general configuration.

- Ideally the configuration should be provided before competition. However, it may be that the configuration for one event, phase or event unit is not known in advance. In that case do not send the unknown attributes.
- Intermediate points and Speed measurement points (Speed traps) explanation:
 - Intermediates are defined in /Config /ExtendedConfig (Type=EC, Code=INTERMEDIATE, Pos=sequential number, Value=Intermediate point text description - requirement ref from ORIS output C77B: Int.1=Worker City/Tunnel).
 - Instant speed is measured at different points within the piste with the use of speed traps. Speed measurement points (speed traps) are defined in /Config /ExtendedConfig (Type=EC, Code=SPEED, Pos=sequential number, Value=Speed trap text description).
 - This definition separates each. The INT_ORDER config extension is additional information only and it is nested inside the SPEED element. It says what is the intermediate point closer to the specific speed trap either before or at the same distance as the speed trap
- IND_ORDER explanation: /Config /ExtendedConfig (Type=EC, Code=SPEED, Pos=sequential number, Value=Speed trap text description)/ExtendedConfigItem (Code=INT_ORDER, Value=<the @Pos of the intermediate point at or immediately before this speed trap (there can be more than one speed trap with the same value though @Pos will be different)>).

2.2.10.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC	Full RSC. For Individual events, one message is sent per unit. For the Team event, one message is sent for the event.
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	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

Attribute	Value	Comment
		<p>21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2).</p> <p>The end of the logical day is defined by default at 03:00 a.m.</p> <p>For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction.</p> <p>Logical Date is expressed in the local time zone where the message was produced.</p>
Source	SC @Source	Code indicating the system which generated the message.

2.2.10.3 Trigger and Frequency

The message is sent prior to any ODF results message.

Trigger also after any major change, but considering that, if possible, the configuration for one event, phase or event unit must be provided before the start list. If a DT_CONFIG message is sent after a DT_RESULT in a related unit then the next version of DT_RESULT must be sent immediately.

2.2.10.4 Message Values

Element: Configs /Config (1,N)				
Attribute		M/O	Value	Description
Unit		M	CC @Unit CC @Event	Full RSC of the Unit. Can be at event or unit level (for the team event or individual events, respectively)
Element: Configs /Config /ExtendedConfig (1,N)				
Type		Code	Pos	Description
FIS		CODEX	N/A	Element Expected: When available
	Attribute	M/O	Value	Description
	Value	O	String	FIS Codex
FIS		CODEX_SCDH	N/A	Element Expected: Speed events in AC
	Attribute	M/O	Value	Description
	Value	O	String	FIS Codex for speed part in AC.
FIS		HOMOLOGATION	N/A	Element Expected: When available
	Attribute	M/O	Value	Description
	Value	O	String	FIS Homologation number
COURSE		NAME	N/A	Element Expected: When available
	Attribute	M/O	Value	Description
	Value	O	String	Name of the course in ENG
COURSE		LENGTH	N/A	Element Expected: Always
	Attribute	M/O	Value	Description
	Value	O	Numeric	Send the total length of the course in m.

Element: Configs /Config /ExtendedConfig (1,N)				
Type		Code	Pos	Description
			###0	
COURSE		ALTITUDE	N/A	Element Expected: Always
Sub Element: Configs /Config /ExtendedConfig /ExtendedConfigItem Expected: Always				
Attribute		Value	Description	
Code		DROP		
Pos		N/A		
Value		Numeric ###0	Send the total vertical drop in metres	
Sub Element: Configs /Config /ExtendedConfig /ExtendedConfigItem Expected: Always				
Attribute		Value	Description	
Code		FINISH		
Pos		N/A		
Value		Numeric ###0	Send the altitude at the finish in metres	
Sub Element: Configs /Config /ExtendedConfig /ExtendedConfigItem Expected: Always				
Attribute		Value	Description	
Code		START		
Pos		N/A		
Value		Numeric ###0	Send the altitude at the start point in metres	
COURSE		GRADIENT	N/A	Element Expected: Always
Sub Element: Configs /Config /ExtendedConfig /ExtendedConfigItem Expected: Always				
Attribute		Value	Description	
Code		AVG		
Pos		N/A		
Value		Numeric #0.00	Average gradient	
Sub Element: Configs /Config /ExtendedConfig /ExtendedConfigItem Expected: Always				
Attribute		Value	Description	
Code		MAX		
Pos		N/A		
Value		Numeric #0.00	Maximum gradient	

Element: Configs /Config /ExtendedConfig (1,N)				
Type		Code	Pos	Description
	Sub Element: Configs /Config /ExtendedConfig /ExtendedConfigItem Expected: Always			
	Attribute	Value	Description	
	Code	MIN		
	Pos	N/A		
	Value	Numeric +/-#0.00	Minimum gradient (may have negative value)	
EC		INTERMEDIATE	S(2)	Pos Description: 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. Element Expected: Always (in individual events)
	Attribute	M/O	Value	Description
	Value	O	String	Name of the intermediate point in ENG. Not applicable for 'S' or 'F' (not sent).
EC		INTERMEDIATES_NUM	N/A	Element Expected: Always (in individual events)
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Send the total number of intermediate points where the time is recorded including 'F'.
EC		SPEED	Numeric 0	Pos Description: Send the value that identifies the speed trap. Sequential numbering 1..n over all speed traps on the course. Element Expected: For all Speed traps (in individual events)
	Attribute	M/O	Value	Description
	Value	M	String	Name of the speed trap point in ENG.
	Sub Element: Configs /Config /ExtendedConfig /ExtendedConfigItem Expected: Always			
	Attribute	Value	Description	
	Code	INT_ORDER		
	Pos	N/A		
	Value	S(2)	The @Pos of the intermediate point at or immediately before this speed trap (there can be more than one speed trap with the same value though @Pos will be different)	
EC		SPEED_NUM	N/A	Element Expected: Always if not zero (in individual events)
	Attribute	M/O	Value	Description

Element: Configs /Config /ExtendedConfig (1,N)				
	Type	Code	Pos	Description
	Value	M	Numeric #0	Send the total number of speed traps.
EC		RUN	N/A	Element Expected: Always in individual events with more than one run
	Attribute	M/O	Value	Description
	Value	M	Numeric 0	Send the order number of the run in the overall competition (usually 1 or 2)

Sample (Individual)

```
<Configs>
  <Config Unit="ALPMDH-----FNL-000100--">
    <ExtendedConfig Type="FIS" Code="CODEX" Value="0336" />
    <ExtendedConfig Type="FIS" Code="HOMOLOGATION" Value="8306/10/06" />
    <ExtendedConfig Type="COURSE" Code="LENGTH" Value="3105" />
    <ExtendedConfig Type="COURSE" Code="NAME" Value="Dave Murray" />
    <ExtendedConfig Type="COURSE" Code="ALTITUDE" >
      <ExtendedConfigItem Code="START" Value="1678" />
      <ExtendedConfigItem Code="FINISH" Value="825" />
      <ExtendedConfigItem Code="DROP" Value="853" />
    </ExtendedConfig>
    <ExtendedConfig Type="COURSE" Code="GRADIENT" >
      <ExtendedConfigItem Code="MAX" Value="52.00" />
      <ExtendedConfigItem Code="MIN" Value="-3.00" />
      <ExtendedConfigItem Code="AVG" Value="27.00" />
    </ExtendedConfig>
    <ExtendedConfig Type="EC" Code="INTERMEDIATES_NUM" Value="5" />
    <ExtendedConfig Type="EC" Code="SPEED_NUM" Value="2" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="S" Value="">
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="1" Value="Caddy Flats" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="2" Value="Weasel" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="3" Value="Fallaway Flats" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="4" Value="Powerline" />
    <ExtendedConfig Type="EC" Code="INTERMEDIATE" Pos="F" Value="">
    <ExtendedConfig Type="EC" Code="SPEED" Pos="1" Value="Caddy Flats" />
      <ExtendedConfigItem Code="INT_ORDER" Value="1" />
    </ExtendedConfig>
    <ExtendedConfig Type="EC" Code="SPEED" Pos="2" Value="Around Crone" />
      <ExtendedConfigItem Code="INT_ORDER" Value="3" />
    </ExtendedConfig>
  </Config>
```

Message Sort

There is no message sorting rule.

3 Document Control

Version history		
Version	Date	Comments
V0.1		First version
V0.2	16 Aug 2019	Modifications for Lausanne
V0.3	06 Sept 2019	Update of a number of messages, add table of contents

File Reference: ODF-WYOG-2020-ALP V0.3 SFR

Change Log		
Version	Status	Changes on version
V0.1	SFR	First version
V0.2	SFR	Modifications for Lausanne2020
V0.3	SFR	DT_PARTIC - Element: Participant; Attribute: Olympic Solidarity DT_PARTIC_TEAMS - Element: Team; Attribute: Name DT_PARTIC_TEAMS - Element: Team; Attribute: TVTeamName