INTERNATIONAL
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ODF/INT005-R1 v8.1 APP

Olympic Data Feed

ODF Alpine Skiing Data Dictionary

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Technology Department

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Version history

Version	Date	Comments
1.0	18 April 2008	Submitted for review version
1.1	15 May 2008	Changes applied according to comments gathered in DRF to version 1.0 SFR Status changed to SFA
R1 V1.0	29 May 2008	Document reformatted according to changes log Status changed to APP
R1 V2.0	17 June 2008	Corrected wrong updated table of content
R1 V3.0	14 July 2008	Corrected error as explained in the changes log
R1 V4.0	17 October 2008	Changes after the WNPA meeting held on October 1-2. Some minor corrections according to the sport rules
R1 V5.0	3 December 2008	Full ORIS-PiT and RT adaptation Add a Value for the Potential DSQ codes
R1 V6.0	10 February 2009	Changes in the documentation after connectivity
R1 V6.1	3 April 2009	Apply the CR189
R1 V6.2	28 May 2009	Some minors changes according to the Vancouver integration team review.
R1 v7.0	8 July 2009	CR821 from UAT for Alpine Skiing, CR721 to add messages of Updates for Athletes, officials, teams and added the copyright.
R1 V7.1	24 July 2009	Some minors changes
R1 V8.0	18 September 2009	Apply the CR1006 that are some changes in ODF documents after Homologation Test.
R1 V8.1	6 October 2009	Some minors changes

File reference: ODF/INT005-R1 v8.1 APP

Change Log

Version	Status	Changes on version
1.0	SFR	• First version
1.1	SFA	• Chapter 4 Applicable Messages: DT_MEDALLISTS_SPORT changed to DT_MEDALLISTS_DISCIPLINE. Message documented now as “Sports” • Better described the meaning of the table in chapter 4. • Chapter 4: DT_STANDING renamed to DT_POOL_STANDING. Besides, for the title of the report DT_MEDALLISTS, it has been removed the word ‘podium’. Added new “Brackets” message, although this message is not applicable to AS • Sections 5.4.5, 5.5.5 and 5.6.5. @Time attribute (and also extended results including time) changed to MM:SS.hh, where hh is hundredth of second, not tenth of second. Moreover, time format changed from 99:99.99 to 99:9**0.00**, since zeroes should be included at least in the case of seconds. • Chapters 5.x.2: Removed tables with messages’ applicable RSC. These RSC codes will be referenced in the ODF common codes • Chapter 5.3 Start list: Removed bib number as EventUnitEntry code and upgraded to start list message’s attribute. Start list UnitDateTime optional element should be used in the case of this sport. • Chapter 5.4 Event unit results: UnitDateTime optional element should be used in the case of this sport, however making @EndDate also mandatory. Element Competitor /Composition /Athlete /ExtendedResults /ExtendedResult: added new codes for AS_SPEED_AVG and SPEED, just for speed event units). Send PhaseInfo with the same information as in the start list. • Chapter 5.4.5: Added clarification for snot temperature and snow conditions in the case of event unit result • Substituted the use of the message Phase Result by Cumulative Result. • Chapter 5.6 Event Final Ranking: Added Competitor /Composition /Athlete /ExtendedResults optional element to include AS_DIFF code in the case of event final ranking. • Reviewed the use of single athlete vs. team in competitors elements according to global changes through all the document • Overall: For all messages with extended information, added table with explanation about when this extended information is expected.
R1 V1.0	APP	• Versioning changed to Rr Vv1.v2, where r is release, and constant number for the documentation until the end of the Olympic Games, v1 refers to the part 1 of the document and v2 refers to the part 2 of the document • The document has been split in two parts. Part I refers to the Olympic Games competition, while part II refers to other competition exceptions. Added comment about this new format in chapter 1.1. • Updated chapter I.1.6.3 (part I) about trigger and frequency for the Event Unit Results message in order to allow interim results • Minor changes in some attribute formats
R1 V2.0	APP	• The table of content was indicating all pages were “3”. Corrected
R1 V3.0	APP	• Chapter I.1.6.4. Corrected error. For event unit results, it was saying to send in PhaseInfo the same information as in the start list, but it was not being sent anything in the start list for PhaseInfo • Chapter I.1.7.5. Corrected error. The name of the element being defined in the table is CumulativeResult, as it can be seen in the ODF Sport Messages Interface Document.
R1 V4.0	APP	• Please, review changes in the messages’ generic structure in the ODF Central Messages and ODF Sport Messages Interface documents as well as ODF header redefinition. • Removed part II for other competitions, and renumbered all chapters according to this circumstance. • Added new messages DT_HISTORIC_RECORD, DT_GLOBAL_GM, DT_GLOBAL_GN, DT_GM and DT_GN in table of chapter 4 Applicable

Change Log

Version	Status	Changes on version
		Messages. Extended DT_GM and DT_GN messages to redefine ODF header DocumentCode attribute. • The attribute RSC in the ODF header has been renamed as DocumentCode according to the new ODF header definition. • Add three new messages for update Athletes, Officials and Teams data. Other changes • Chapter 5.4.: Added code AS_SPEED_RANK for event unit results message • Triggering for cumulative results message (chapter 5.5) updated to be the same as for the event unit results message. • Add the copyright.

Change Log

Version	Status	Changes on version
R1 V5.0	APP	• Chapter 3 Codes. Added new codes used afterwards in the chapters of the messages definition (speed unit, temperature unit, forerunner bib. • Chapter 4 applicable messages. Added in table new messages for event unit configuration and federation ranking. Federation ranking applies to Alpine Skiing • Chapter 5.3 Start List: Added a set of new information and codes to fulfill ORIS-PiT: officials, forerunners, course name and homologation number, number of gates and number of turning gates • Chapter 5.4 Event Unit Results: Added several codes to fulfill ORIS-PiT: some new weather information, including data in Fahrenheit and Celsius, potential DSQ, disqualification gate an rule (also text for rule), sector information, speed trap and interval position names. • Chapter 5.5 Cumulative Results: Added codes for cumulative information in intermediate points, and also potential DSQ, to fulfill ORIS-PiT • Chapter 5.6 Event Final Ranking: Added codes in ExtendedResults and new element EventInfo to include information about penalty calculation. Information about penalty calculation also for SuperCombined Downhil (or SG). All these actions are to fulfill full ORIS-PiT • Added new message in chapter 5.10 (Federation ranking) for fulfill ORIS-PiT • Added full chapter 6 for ODF-real time transmission • Overall: Added sorting information for all ranking codes • Add Extension Element in Chapters 5.4.5, 5.5.5, 6.3.5, 6.4.5 • Add the code RC_SNOW_TEMP in the UI_RACE_CONDITIONS type(Chapter 5.4.5) • Add a Value Y in the case of the Code AS_POT_DSQ for all messages • Add the attribute DocumentSubtype for the Federation Ranking Message in the Chapter 5.10.2
R1 V6.0	APP	• In Chapter 5.3.5 add the Organisation attribute in the UnitInfo/Competitor/ for the forerunner. • In Chapter 5.3.5 add the element EventUnitEntry for the case of DNS in the second Event of the Super Combined. • In Chapter 5.4.5 delete the Value for the weather conditions in the UnitInfo element and add a new code for the F-Factor, because it is not related with the weather. • In Chapter 5.4.5 clarify the Pos from the AS_INTERMEDIATE ExtendedResult. • In the Chapter 5.4.5 update the description for the value of AS_DIFF because it should send including the rank 1. • In the Chapter 5.4.5 clarify the description for the pos of AS_SECTOR • In Chapter 6.3.5 for the UnitInfo add codes for the Number of Disqualification, Number of Did Not Finish, and Number of Did Not Start. • In Chapter 6.3.5 add as a Race Conditions the Wind Start, Wind Finish and Snow Temperature
R1 V6.1	APP	• In DT_RT_RESULT, delete the Traffic light codes
R1 V6.2	APP	• In Start List message add the event SC for the function Assistant Referee. • Correct the value description for the codes RC_WIND_SPEED_START and RC_WIND_SPEED_FINISH in the Event Unit Result message. • Update the Expected column for the code ER_AS/AS_BEST_START in the Event Final Ranking message.
R1 V7.0	APP	• Delete the ranks codes for AS_INTERMEDIATE and AS_SECTOR in result real time. • Delete the ranks codes for AS_INTERMEDIATE in cumulative real time. Add the AS_RUN_STATUS for the different athletes.

Change Log

Version	Status	Changes on version
		• Add three new messages for update Athletes, Officials and Teams data.
R1 V7.1	APP	• Change the format in the Code E_RANK_POINTS for List of accredited athlete's message.
R1 8.0	APP	• Add a horizontal line to separate Unit/Competitor to UnitInfo /Competitor /Composition /Athlete. • Clarify the description of the attribute Type for the elements ExtendedResult in Result and Cumulative result messages. • Clarify the Header Value in the Cumulative Results message. • Clarify when the Code AS_INTERMEDIATE can be sent. • Update the Value for codes AS_BASE and AS_Y in the Fed. Ranking message.
R1 8.1	APP	• Add another code NEXT for the CC @RTRunStatus in DT_RT_RESULT and DT_RT_CUMULATIVE_RESULT. • Add another code AS_RR for Competitor /Composition /Athlete /ExtendedResults /ExtendedResult for identify the athlete that has re-run in DT_RT_RESULT and DT_RT_CUMULATIVE_RESULT.

TABLE OF CONTENT

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 Central Messages Interface Document and ODF Sport Messages Interface Document specifically for Alpine Skiing, as well as defines the codes used in these messages.

1.2. Objective

The objective of this document is to provide a complete and formal definition of the ODF 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

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

1.5. Related Documents

Document Reference	Document Title	Document Description
ODF/INT001	ODF Message Transmission Document	This document describes the technical standards to be used to transfer ODF messages between the message generators and the final ODF

		users
ODF/INT00	IDS-Global Interface Description Document	This document describes the outmost tag of all documents flowing through IDS. Any message being described in this document will have to follow the general definitions of the IDS-Global Interface Description Document. However, some restrictions to the outmost tag (message header) may be done in this specific interface document.
ODF/COD001	ODF Common Codes Document	This document describes the ODF codes used across the rest of the ODF documents
ODF/INT003	ODF Central Messages Interface Document	This document describes the ODF central messages
ODF/INT004	ODF Sport Messages Interface Document	This document describes the ODF sport messages, generated independently by each sport

2. Overall Perspective

2.1. Objective

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

2.2. End to End data flow

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

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

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

3. Codes

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

CC @CodeEntity

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

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

Code Entity	**Code Entity Set of Values**	
CC @ForerunnerBib (the codes order is according to how they should be sorted)	**Code**	**Description**
	A	A
	B	B
	C	C
	D	D
	E	E
	F	F
CC @Function	Defined in ODF Common Codes Document See entity Function • The entity's attribute to be used is Code	
CC @IRM (The codes order provided is according to the sport rules. In case of several DQS, DNF or DNS, sort by bib number).	**Code**	**Description**
	DNS	Did not start
	DNF	Did not finish
	DSQ	Disqualified
CC @ResultType	**Code**	**Description**
	RT_TIME	Time
	RT_INVALID_RESULT	Invalid Result Mark
CC @SnowConditions	Defined in ODF Common Codes Document See entity Snow Conditions • The entity's attribute to be used is Code	
CC @SpeedUnit	**Code**	**Description**
	kmh	Km/h
	ms	m/s
CC @TemperatureUnit	**Code**	**Description**
	C	Celsiut
	F	Fahrenheit
CC @WeatherConditions	Defined in ODF Common Codes Document See entity Weather Conditions • The entity's attribute to be used is Code	

CC @WindDirection	Defined in ODF Common Codes Document See entity Weather Conditions • The entity's attribute to be used is Code

4. Applicable Messages

The following table is a full list of all ODF messages and describes the list of messages used in Alpine Skiing, as well as the category of each message, which identifies if the message structure definition can be found either in the ODF Sport Messages Interface Document or ODF Central Messages Interface Document.

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

Message Type	Message name	Message documented	Message used in this sport	Message extended in this document
DT_SCHEDULE	Competition schedule	Central	X	
DT_SCHEDULE_UPDATE	Competition schedule update	Central	X	
DT_ORGANISATIONS	Organisations	Central	Global	
DT_PARTIC_ATHLETES	List of athletes by discipline	Central	X	X
DT_PARTIC_ATH_UPDATE	List of athletes by discipline update	Central	X	X
DT_PARTIC_OFFICIALS	List of officials	Central	X	
DT_PARTIC_OFF_UPDATE	List of officials update	Central	X	
DT_PARTIC_TEAMS	List of teams	Central		
DT_PARTIC_TEA_UPDATE	List of teams update	Central		
DT_PARTIC_HISTORIC	List of historical athletes	Central		
DT_TEAM_HISTORIC	List of historical teams	Central		
DT_PARTIC_HORSES	List of equestrian horses	Central		
DT_MEDALS	Medal standings	Central	Global	
DT_MEDALLISTS_DAY	Medallists of the day	Central	Global	
DT_HISTORIC_RECORD	Historical records	Central		

DT_GLOBAL_GM	Global good morning	Central	Global	
DT_GLOBAL_GN	Global good night	Central	Global	
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	Sports	X	
DT_START_LIST	Start List	Sports	X	X
DT_RESULT	Event Unit Results	Sports	X	X
DT_PHASE_RESULT	Phase Results	Sports		
DT_CUMULATIVE_RESULT	Cumulative Results	Sports	X	X
DT_POOL_STANDING	Pool Standings of group in a team competition	Sports		
DT_RANKING	Event Final ranking	Sports	X	X
DT_STATS	Statistics table	Sports		
DT_MEDALLISTS	Medallists of one event	Sports	X	X
DT_RECORD	Records	Sports		
DT_COMMUNICATION	Official Communication	Sports	X	
DT_BRACKETS	Brackets	Sports		
DT_GM	Discipline/venue good morning	Sports	X	X
DT_GN	Discipline/venue good night	Sports	X	X
DT_FED_RANKING	Federation Ranking	Sports	X	X
DT_UNITCONFIG	Event Unit Configuration	Sports		

5. Alpine Skiing Data Extension

5.1. General Issues

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

5.1.1. IDS and ODF header

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

- IDS Header: RSC

  The RSC attribute usually has the DDGEEEPUU format, where DD is the Discipline attribute, G is the Gender attribute, EEE is the Event attribute, P is the Phase attribute and UU is the Unit attribute in the IDS header. The concatenation of these attributes –Discipline, Gender, Event, Phase and Unit- will be implicitly defined when defining the RSC attribute in each case. However, just the RSC attribute will be defined in order to avoid redundant definition.

- ODF Header: DocumentCode.

5.1.2. Attributes Definition

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

5.2. List of accredited athletes by discipline/ List of accredited athletes by discipline update

5.2.1. Description

This message is the List of accredited athletes by discipline/update as described in the ODF Central Messages Interface Document.

5.2.2. Header Values

The definition in the ODF Central Messages Interface Document is valid.

5.2.3. Trigger and Frequency

The definition in the ODF Central Messages Interface Document is valid.

5.2.4. Message Structure

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

- EventEntry

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

5.2.5. Message Values

The following table describes in more detail the EventEntry element in the case of Alpine Skiing.

Element: EventEntry			
Type	**Code**	**Value**	**Description**
E_ENTRY	E_RANK	Numeric	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: FIS Rank
	E_RANK_POINTS	N(4).N(2) 9990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: FIS points

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

Type /Code	**Description**	**Expected**
E_ENTRY /E_RANK	FIS rank	Always, as soon as this information is known and this athlete has FIS rank
E_ENTRY /E_RANK_POINTS	FIS points	Always, as soon as this information is known and this athlete has FIS points

5.2.6. Message sort

Please, follow the general definition.

5.3. Start List

5.3.1. Description

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

5.3.2. Header Values

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

5.3.3. Trigger and Frequency

Please, follow the general definition.

5.3.4. Message Structure

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

- UnitInfo
- UnitInfo /Competitor (just for UnitInfo forerunners), including Composition /Athlete
- UnitDateTime (following the general rules for this element)
- Officials /Official
- Start/Composition/Athlete/EventUnitEntry

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

5.3.5. Message Values

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

Element	Attribute	M/O	Value	Comments
UnitInfo /Competitor /Composition /Athlete	FamilyName	M	S(25)	Family name of the forerunner associated to the UnitInfo /Competitor forerunner unit information
	GivenName	M	S(25)	Given name of the forerunner associated to the UnitInfo /Competitor forerunner unit information
UnitInfo /Competitor should be informed just in the case of UnitInfo forerunners	Organisation	M	CC @Organisation	Organisation ID of the forerunner associated to the UnitInfo /Competitor forerunner unit information

Element	Attribute	M/O	Value	Comments
Officials /Official	Code	M	S(20) with no leading zeroes	Official ID
	Function	M	CC @Function	Send according to the codes: - TD_FIS - Referee - Assistant Referee (only for DH, SG and SC) - Chief of Race - Start Referee - Finish Referee - Course setter
	Order	M	Numeric	Send sequential number starting by 1 according to the official's function.
Start	StartOrder	M	Numeric	Start order of the competitor in the start list
	SortOrder	M	Numeric	Same as @StartOrder
Start /Competitor /Composition /Athlete	Bib	M	Numeric	Athlete's bib number

The following table describes in more detail the UnitInfo element.

Element: UnitInfo				
Type	**Code**	**Pos**	**Value**	**Description**
UI_AS	AS_ALTITUDE_START		N(4) 9990	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Start altitude in meters
	AS_ALTITUDE_FINISH		N(4) 9990	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Finish altitude in meters
	AS_ALTITUDE_DROP		N(4) 9990	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Vertical drop in meters
	AS_LENGTH		N(4) 9990	For @Type: Send proposed type
				For @Code:

				Send proposed code
				For @Pos: Do not send anything
				For @Value: Length of course in meters
	AS_GRADIENT_MAX		N(2).N(2) 90.00	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Maximum gradient
	AS_GRADIENT_MIN		N(2).N(2) 90.00	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Minimum gradient
	AS_GRADIENT_AVG		N(2).N(2) 90.00	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Average gradient
	AS_COURSE_NAME		String	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Course name (language English)
	AS_HOM_NUMBER		String	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Homologation number (e.g.: “4368/46/95”)
	AS_NUMBER_GATES		N(3) 990	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value:

				Number of gates
	AS_TURNING_GATES		N(3) 990	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Number of turning gates
	AS_FORERUNNER	N(3) 990	CC @ForerunnerBib	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Send sequential number starting by 1 to sort the forerunners according to their bib letter
				For @Value: Bib letter

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

Type /Code	Description	Expected
UI_AS /AS_ALTITUDE_START	Start altitude in meters	Always
UI_AS /AS_ALTITUDE_FINISH	Finish altitude in meters	Always
UI_AS /AS_ALTITUDE_DROP	Vertical drop in meters	Always
UI_AS /AS_LENGTH	Length of course in meters	Always, except for Giant Slalom and Slalom
UI_AS /AS_GRADIENT_MAX	Maximum gradient	Always
UI_AS /AS_GRADIENT_MIN	Minimum gradient	Always
UI_AS /AS_GRADIENT_AVG	Average gradient	Always
UI_AS /AS_COURSE_NAME	Course name	Always
UI_AS /AS_HOM_NUMBER	Homologation number (e.g.: “4368/46/95”)	Always
UI_AS /AS_NUMBER_GATES	Number of gates	Always
UI_AS /AS_TURNING_GATES	Number of turning gates	Always, except for Downhill
UI_AS /AS_FORERUNNER	Forerunners and their bib letters	Always

The following table describes in more detail the EventUnitEntry element.

Element: Start/Competitor/Composition/Athlete/EventUnitEntry				
Type	**Code**	**Pos**	**Value**	**Description**
EU_AS	AS_IRM_2RUN		DNS	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Status at the beginning of the second

				event, only for Super Combined Events in the second event.

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

Type /Code	Description	Expected
EU_AS / AS_IRM_2RUN	DNS if the athlete does not start the second Event.	Send only in the case of Super Combined for the second Event for the athletes DNS

5.3.6. Message sort

Please, follow the general definition.

5.4. Event Unit Results

5.4.1. Description

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

5.4.2. Header Values

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

5.4.3. Trigger and Frequency

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

- Once the first competitors arrive (depending on the event, and for the last run), the message will be sent with interim results:
    - It will be sent as interim after 15th and 30th competitor for slalom and giant slalom.
    - It will be sent as interim after 30th and 45th competitor for downhill and super-G
    - It will be sent as interim after 15th competitor for Super Combined.
    - ResultStatus in the headers will have the value “INTERIM”
    - Then proceed with unofficial and official results, as expected.

5.4.4. Message Structure

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

- UnitDateTime (following the general rules for this element, however being @EndDate mandatory)
- UnitInfo
- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

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

5.4.5. Message Values

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

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Numeric	Rank of the competitor in the corresponding event unit. This attribute is optional because the skier could get an invalid rank mark.

Element	Attribute	M/O	Value	Comments
	ResultType	M	CC @ResultType	Result type, either time or IRM (see potential DSQ extended result: in this case result type would be time) for the corresponding event unit
	IRM	O	CC @IRM	IRM for the particular event unit Send just in the case @ResultType is IRM (see codes section)
	Result	O	MM:SS.hh 99:90.00	Result for the particular event unit. Send just in the case @ResultType is Time (see codes section) MM is minutes, SS is seconds, hh is hundredth of second
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.

Send UnitDateTime including also the @EndDate attribute

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

Element: UnitInfo				
Type	**Code**	**Pos**	**Value**	**Description**
UI_RACE_CONDITIONS	RC_AIR_TEMPERATURE_START	CC @TemperatureUnit	(-)N(3).N(1) (-)990.0	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Send both codes to indicate either Celsius or Fahrenheit
				For @Value: Start line: Temperature in @Pos degrees (in case of positive temperature, do not send '+').
	RC_AIR_TEMPERATURE_FINISH	CC @TemperatureUnit	(-)N(3).N(1) (-)990.0	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Send both codes to indicate either Celsius or Fahrenheit
				For @Value: Finish line: Temperature in @Pos degrees (in case of positive

				temperature, do not send '+').
	RC_WIND_SPEED_START	CC @SpeedUnit	N(3).N(1) 990.0	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Send both codes to indicate either Km/h or m/s
				For @Value: Start line: Wind speed in @Pos Unit
	RC_WIND_SPEED_FINISH	CC @SpeedUnit	N(3).N(1) 990.0	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Send both codes to indicate either Km/h or m/s
				For @Value: Finish line: Wind speed in @Pos Unit
	UI_WIND_START		CC @WindDirection	For @Type: Send proposed type
				For @Code: Send one of the codes regarding to the wind direction at the start
				For @Pos: Do not send anything
				For @Value: For @Value: Start line, wind direction
	UI_WIND_FINISH		CC @WindDirection	For @Type: Send proposed type
				For @Code: Send one of the codes regarding to the wind direction at the finish
				For @Pos: Do not send anything
				For @Value: Finish line, wind direction
	RC_SNOW_TEMP	CC @TemperatureUnit	(-)N(3).N(1) (-)990.0	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Send both codes to indicate either Celsius or Fahrenheit for the

				snow temperature sent in @Value
				For @Value: Snow temperature in @Pos degrees. It is optional and will be informed just if known. In this case, the snow condition will arrive in the @Code attribute, while the Snow temperature in the @Value attribute
	AS_FFACTOR		Numeric	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anyting
				For @Value: Send F-factor
UI_WEATHER_CONDITIONS	CC @WeatherConditions			For @Type: Send proposed type
				For @Code: Send one of the codes regarding to the weather conditions
				For @Pos: Do not send anyting
				For @Value: Do not send anyting
UI_SNOW_CONDITIONS	CC @SnowConditions			For @Type: Send proposed type
				For @Code: Send one of the codes regarding to the weather conditions
				For @Pos: Do not send anything
				For @Value: Do not send anything
UI_AS	AS_NUMBER_DSQ		Numeric	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send number of disqualified athletes
	AS_NUMBER_DNF		Numeric	For @Type:

				Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send number of did not finish athletes
	AS_NUMBER_DNS		Numeric	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send number of did not start athletes
	AS_INT_POS	N(2) 90	String	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Sequential number from 1 to 99 for each of the intermediate positions
				For @Value: Intermediate @Pos position name (language English) E.g.: “Worker City / Tunnel”
	AS_SPEED_POS	N(2) 90	String	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Sequential number from 1 to 99 for each of the speed traps
				For @Value: @Pos Speed trap name (language English) E.g.: “End JP Flats”
UI_AS_LEGEND	AS_LEGEND	N(2) 90	String	For @Type: Send proposed type
				For @Code:

				Send proposed code. In this case, each of the legends (@Pos=1, 2, …) will be each one of the disqualification rules used in the message, appearing just once, and sorted by its rule identification.
				For @Pos: Sequential number from 1 to 99 for each of the legends
				For @Value: Text of the legend (language English) E.g.: "630.1.6 Failed to cross the gate lines between the poles of the gates with both ski tips and both feet."

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

Type /Code	Description	Expected
UI_RACE_CONDITIONS /RC_AIR_TEMPERATURE_START	Start line: temperature in @Pos degrees	Always
UI_RACE_CONDITIONS /RC_AIR_TEMPERATURE_FINISH	Finish line: temperature in @Pos degrees	Always
UI_RACE_CONDITIONS /RC_WIND_SPEED_START	Start line: Wind speed in @Pos unit	Always
UI_RACE_CONDITIONS /RC_WIND_SPEED_FINISH	Finish line: Wind speed in @Pos unit	Always
UI_WIND_START /CC@WindDirection	Start line: Wind direction (CC @WindDirection)	Always
UI_WIND_FINISH /CC@WindDirection	Finish line: Wind direction (CC @WindDirection)	Always
UI_RACE_CONDITIONS/ RC_SNOW_TEMP	Snow temperature @Pos degrees	Always, if available
UI_RACE_CONDITIONS/ AS_FFACTOR	F-factor in the @Value attribute	F-factor could not be informed in the case of training
UI_WEATHER_CONDITIONS /CC @WeatherConditions	Weather conditions in the @Code attribute	Always.
UI_SNOW_CONDITIONS /CC @SnowConditions	Snow conditions in the @Code attribute	Always, if available
UI_AS /AS_NUMBER_DSQ	Number of disqualified athletes	Send just in the case there are

		disqualified athletes
UI_AS /AS_NUMBER_DNF	Number of did not finish athletes	Send just in the case there are did not finish athletes
UI_AS /AS_NUMBER_DNS	Number of did not start athletes	Send just in the case there are did not start athletes
UI_AS /AS_INT_POS	Intermediate position name. *@Pos* is a sequential number from 1 to 99 for each of the intermediate positions	Send always
UI_AS /AS_SPEED_POS	Speed trap name. *@Pos* is a sequential number from 1 to 99 for each of the speed traps	Send always
UI_AS_LEGEND /AS_LEGEND	Text of the legend. (@Pos for each one of the disqualification rules used in the message, appearing just once, and sorted by its rule identification).	Send just in the case there are disqualified athletes.

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

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
ER_AS	AS_DIFF			MM:SS.hh 99:90.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Time difference (do not send for Result @Rank=1) MM=minutes SS=seconds hh=hundredth of second
	AS_DIST_DIFF			N(4).N(2) 9990.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Distance behind (in meters) the leading competitor
	AS_POT_DSQ			Y	For @Type: Send proposed type
					For @Code: Send proposed code in

					case of potential DSQ
					For @Pos: Do not send anything
					For @Value: Send Y when it is a Potential DSQ
	AS_INTERMEDIATE		N(2) 90		For @Type: Send proposed type
					For @Code: Send proposed code
					For @ Pos: The number that identifies the intermediate result point, from 1 to the total number of intermediate result points (including the finish point of the Run as the last Intermediate)
					For @Value: Do not send anything
		AS_RANK		N(2) 90	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Rank at the *Pos* intermediate result point
		AS_SORT		N(2) 90	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Sort according to the rank
		AS_TIME		MM:SS.hh 99:90.00	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)

					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Time at the *Pos* intermediate result point MM=minutes SS=seconds hh=hundredth of second
		AS_DIFF		MM:SS.hh 99:90.00	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Time difference at the *Pos* intermediate result point MM=minutes SS=seconds hh=hundredth of second
	AS_SECTOR		N(2) 90		For @Type: Send proposed type
					For @Code: Send proposed code
					For @ Pos: The number that identifies the sector, from 1 to the total number of sectors. Sector 1 would be from the start line to the intermediate result point 1, sector 2 would be from intermediate result point 1 to intermediate result point 2, etc, to the finish line.
					For @Value: Do not send anything
		AS_RANK		N(2) 90	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult

					element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Rank at the *Pos* sector according to the AS_SECTOR_TIME
		AS_SORT		N(2) 90	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Sort according to the rank
		AS_TIME		MM:SS.hh 99:90.00	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Time at the *Pos* sector (not cumulative) MM=minutes SS=seconds hh=hundredth of second
		AS_DIFF		MM:SS.hh 99:90.00	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Time difference at the

					Pos sector (do not send if the intermediate result rank at that point is 1) in regards to AS_SECTOR_TIME being ranked as 1 MM=minutes SS=seconds hh=hundredth of second
	AS_SPEED		N(2) 90	N(3).N(2) 990.00	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code (only for speed events)
					For @ Pos: The number that identifies the speed trap, from 1 to the total number of speed traps
					For @Value: Speed (km/h) at the @Pos intermediate point (speed trap)
		AS_RANK		N(2) 90	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code (only for speed events)
					For @ Pos: Do not send anything
					For @Value: Rank according to AS_SPEED
		AS_SORT		N(2) 90	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value:

					Sort according to the rank
	AS_SPEED_AVG			N(3).N(2) 990.00	For @Type: Send proposed type
					For @Code: Send proposed extension code (only for speed events)
					For @Pos: Do not send anything
					For @Value: Average speed (km/h)
	AS_DSQ	AS_GATE		N(3) 990	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: DSQ gate
		AS_RULE		String	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Rule identifier for which the skier was disqualified (e.g.: “630.1.6”)

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

Type /Code	Description	Expected
ER_AS /AS_DIFF	Time difference	Always, except for rank=1
ER_AS /AS_DIST_DIFF	Distance behind (in meters) the leading competitor	Always, except for slalom and super combined units
ER_AS /AS_POT_DSQ	Potential DSQ	Send for any athletes if potential DSQ
ER_AS /AS_INTERMEDIATE/AS_RANK	Rank at the intermediate result point	Always

ER_AS /AS_INTERMEDIATE/AS_SORT	Sort according to the rank	Always
ER_AS /AS_INTERMEDIATE/AS_TIME	Result at the intermediate result point	Always
ER_AS /AS_INTERMEDIATE/AS_DIFF	Time difference at intermediate result point	Always, except for rank=1 at intermediate result point
ER_AS /AS_SECTOR/AS_RANK	Rank at the *Pos* sector according to the AS_SECTOR_TIME	Always
ER_AS /AS_SECTOR/AS_SORT	Sector sort according to the rank	Always
ER_AS /AS_SECTOR/AS_TIME	Time at the *Pos* sector (not cumulative)	Always
ER_AS /AS_SECTOR/AS_DIFF	Time difference at the *Pos* sector in regards to AS_SECTOR_TIME being ranked as 1	Always, except for rank=1 at the corresponding sector
ER_AS /AS_SPEED	Speed (km/h) at the @Pos speed trap	Only for speed events
ER_AS /AS_SPEED/AS_RANK	Rank according to AS_SPEED at the @Pos speed trap	Only for speed events
ER_AS /AS_SPEED/AS_SORT	Speed sort according to the rank	Only for speed events
ER_AS /AS_SPEED_AVG	Average speed (km/h)	Only for speed events
ER_AS /AS_DSQ/AS_GATE	DSQ gate	Send just in the case the skier got a disqualification IRM
ER_AS /AS_DSQ/AS_RULE	Rule identifier for which the skier was disqualified	Send just in the case the skier got a disqualification IRM

5.4.6. Message sort

Please, follow the general definition.

5.5. Cumulative Results

5.5.1. Description

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

5.5.2. Header Values

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

Cumulative results only apply where there is more than one event unit in the phase (Slalom, GS, Super Combined and Downhill in alternate scenario). Therefore, this cumulative results message is after each event unit (Subtype and DocumentSubtype header attributes should be at event unit level).

5.5.3. Trigger and Frequency

Please, follow the same definition as for event unit results:

Follow the general definition, taking also into account the following:

- Once the first competitors arrive (depending on the event, and for the last run), the message will be sent with interim results:
    - It will be sent as interim after 15th and 30th competitor for slalom and giant slalom.
    - It will be sent as interim after 30th and 45th competitor for downhill and super-G
    - It will be sent as interim after 15th competitor for Super Combined.
    - ResultStatus in the headers will have the value “INTERIM”
    - Then proceed with unofficial and official results, as expected.

5.5.4. Message Structure

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

- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

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

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

5.5.5. Message Values

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

Element	Attribute	M/O	Value	Comments
CumulativeResult	Rank	O	Numeric	Cumulative rank of the competitor after the finalisation of the current event unit, so it takes into account the previous event units. This rank indicates a progress of the competition. This attribute is optional because the skier may have got an invalid rank mark.
	ResultType	M	CC @ResultType	Result type, either time or IRM (see potential DSQ extended result: in this case result type would be time) for the corresponding cumulative results
	IRM	O	CC @IRM	IRM after the finalisation of the current event unit. It will depend on the results of all the event units up to the moment of the message sending. Send just in the case @ResultType is IRM (see codes section)
	Result	O	MM:SS.hh 99:90.00	Cumulative result after the finalisation of the current event unit (considering also the previous event units). It will depend on the results of all the event units up to the moment of the message sending. Send just in the case @ResultType is Time (see codes section) MM is minutes, SS is seconds, hh is hundredth of second
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results after the finalisation of the current event unit, if they were to be presented. It is mostly based on the rank, but it could be used to sort out rank ties as well as results without rank.

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

Type	Code	Extension Code	Pos	Value	Description
ER_AS	AS_DIFF			MM:SS.hh 99:90.00 MM=minutes SS=seconds hh=hundredth of second	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Cumulative time difference (do not send

					for Result @Rank=1)
	AS_POT_DSQ			Y	For @Type: Send proposed type
					For @Code: Send proposed code in case of potential DSQ
					For @Pos: Do not send anything
					For @Value: Send Y when it is a Potential DSQ
	AS_INTERMEDIATE		N(2) 90		For @Type: Send proposed type
					For @Code: Send proposed extension code
					For @ Pos: The number that identifies the intermediate result point, from 1 to the total number of intermediate result points
					For @Value: Do not send anything
		AS_RANK		N(2) 90	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Cumulative rank (considering all races up to this moment) at the *Pos* intermediate result point
		AS_SORT		N(2) 90	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Sorting according to the rank
		AS_TIME		MM:SS.hh 99:90.00	For @Type: Send proposed type (that

					is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Cumulative time (considering all races up to this moment) at the *Pos* intermediate result point MM=minutes SS=seconds hh=hundredth of second
		AS_DIFF		MM:SS.hh 99:90.00	For @Type: Send proposed type (that is, the same @Code as the parent ExtendedResult element)
					For @Code: Send proposed extension code
					For @ Pos: Do not send anything
					For @Value: Cumulative time difference (considering all races up to this moment) at the *Pos* intermediate result point (do not send if the intermediate result rank at that point is 1) MM=minutes SS=seconds hh=hundredth of second

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

Type /Code	Description	Expected
ER_AS /AS_DIFF	Cumulative time difference	Always, except for rank=1
ER_AS /AS_POT_DSQ	Potential DSQ	Send for any athletes if potential DSQ
ER_AS /AS_INTERMEDIATE/AS_RANK	Cumulative rank at the intermediate result point (considering all races up to this moment)	Always, if there is Time at the intermediate Point in the second Run.
ER_AS /AS_INTERMEDIATE/AS_SORT	Cumulative rank sort order	Always, if there is Time at the intermediate Point in the second Run.
ER_AS /AS_INTERMEDIATE/AS_TIME	Cumulative result at the intermediate result point (considering all races up to this moment)	Always, if there is Time at the intermediate Point in the second Run.

ER_AS /AS_INTERMEDIATE/AS_DIFF	Cumulative time difference at intermediate result point (considering all races up to this moment)	Always, if there is Time at the intermediate Point in the second Run (except for rank=1 at intermediate result point),

5.5.6. Message sort

Please, follow the general definition.

5.6. Event Final Ranking

5.6.1. Description

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

5.6.2. Header Values

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

Careful! Just for SCDH (or SCGS), this message should be sent at phase level, to be able to send the penalty calculation

5.6.3. Trigger and Frequency

Please, follow the general definition.

5.6.4. Message Structure

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

- EventInfo
- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

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

5.6.5. Message Values

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

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Numeric	Final rank of the competitor in the corresponding event. This attribute is optional because the skier may have got an invalid rank mark.
	ResultType	M	CC @ResultType	Result type, either time or IRM for the corresponding event.
	IRM	O	CC @IRM	IRM for the particular event. Send just in the case @ResultType is IRM (see codes section)

Element	Attribute	M/O	Value	Comments
	Result	O	MM:SS.hh 99:90.00	Final result for the particular event. Send just in the case @ResultType is Time (see codes section) MM is minutes, SS is seconds, hh is hundredth of second
	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 could be used to sort out rank ties as well as results without rank.

The following table describes in more detail the EventInfo element.

Element: EventInfo			
Type	**Code**	**Value**	**Description**
EI_AS	AS_B	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: FIS Points of Best 5 at Start (B)
	AS_A	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: FIS Points of Best at Finish in Top 10 (A)
	AS_C	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Race Points of Corresponding Competitors (C)
	AS_CALC_PTY_A_B_C	(-)N(2).N(3) (-)90.000	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Calculated Penalty (A+B-C):10
	AS_ROUNDED	(-)N(2).N(2) (-)90.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Rounded
	AS_CATEGORY_ADDER	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code:

			Send proposed code
			For @Value: Category adder
	AS_Z	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Correction value (Z)
	AS_CALC_PTY	(-)N(3).N(2) (-)990.0	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Calculated penalty
	AS_PTY_APPL	(-)N(3).N(2) (-)990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Penalty applied

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

Type /Code	Description	Expected
EI_AS /AS_B	FIS Points of Best 5 at Start (B)	Always
EI_AS /AS_A	FIS Points of Best at Finish in Top 10 (A)	Always
EI_AS /AS_C	Race Points of Corresponding Competitors (C)	Always
EI_AS / AS_CALC_PTY_A_B_C	Calculated Penalty (A+B-C):10	Always
EI_AS /AS_ROUNDED	Rounded	Always
EI_AS /AS_CATEGORY_ADDER	Category adder	Always
EI_AS /AS_Z	Correction value (Z)	Always
EI_AS /AS_CALC_PTY	Calculated penalty	Always
EI_AS /AS_PTY_APPL	Penalty applied	Always

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

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult			
Type	**Code**	**Value**	**Description**
ER_AS	AS_DIFF	MM:SS.hh 99:90.00 MM=minutes SS=seconds hh=hundredth of second	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Time difference (do not send for Result @Rank=1)
	AS_RACE_POINTS	N(4).N(2) 9990.00	For @Type: Send proposed type

			For @Code: Send proposed code
			For @Value: Race points
	AS_BEST_START	N(3) 990	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Numeric to sort the best skiers according to their FIS points at the start of the event

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

Type /Code	Description	Expected
ER_AS /AS_DIFF	Time difference	Always, except for rank=1
ER_AS /AS_RACE_POINTS	Race points	Always
ER_AS /AS_BEST_START	Best skiers according to their FIS points at the start of the even	Always, for the top 5 skiers

5.6.6. Message sort

Please, follow the general definition.

5.7. Event's Medallists

5.7.1. Description

This message is the Event's Medallists message as described in the ODF Sport Messages Interface Document.

5.7.2. Header Values

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

5.7.3. Trigger and Frequency

Please, follow the general definition.

5.7.4. Message Structure

Please, follow the general definition.

5.7.5. Message Values

Please, follow the general definition.

5.7.6. Message sort

Please, follow the general definition.

5.8. Discipline/venue good morning

5.8.1. Description

This message is the Discipline/venue good morning message as described in the ODF Sport Messages Interface Document.

5.8.2. Header Values

The RSC attribute in the IDS header and the DocumentCode attribute in the ODF header will be sent according to the discipline/venue pairs as described in the ODF Common Codes document.

5.8.3. Trigger and Frequency

Please, follow the general definition.

5.8.4. Message Structure

Please, follow the general definition.

5.8.5. Message Values

Please, follow the general definition.

5.8.6. Message sort

Please, follow the general definition.

5.9. Discipline/venue good night

5.9.1. Description

This message is the Discipline/venue good night message as described in the ODF Sport Messages Interface Document.

5.9.2. Header Values

The RSC attribute in the IDS header and the DocumentCode attribute in the ODF header will be sent according to the discipline/venue pairs as described in the ODF Common Codes document.

5.9.3. Trigger and Frequency

Please, follow the general definition.

5.9.4. Message Structure

Please, follow the general definition.

5.9.5. Message Values

Please, follow the general definition.

5.9.6. Message sort

Please, follow the general definition.

5.10. Federation Ranking

5.10.1. Description

This message is the Federation Ranking message as described in the ODF Sport Messages Interface Document.

5.10.2. Header Values

The RSC attribute in the IDS header and the ODF header will be sent according to the ODF Common Codes document.

Subtype and DocumentSubtype header attributes should be the Federation Type of Ranking (in this case WC for World Cup).

5.10.3. Trigger and Frequency

Please, follow the general definition.

5.10.4. Message Structure

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

- FedRanking /Event /OtherCompetitions (following the general rules for this element)
- Competitor /Composition /Athlete /Event
- Competitor /Composition /Athlete /Event /OtherCompetitions
- Competitor /Composition /Athlete /Event /ExtFedRankings

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

5.10.5. Message Values

The following table lists the Federation Ranking optional attributes (defined in the ODF Sport Messages Interface Document) that are used in the case of Alpine Skiing, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Ranking	Rank	M	Numeric	Athlete's WCSL rank
	Points	M	N(4) 9990	Athlete's WCSL points

Now, it is redefined the attributes of the optional elements in the generic message that are necessary in the case of Alpine skiing (FedRanking /OtherCompetitions would follow the general rules).

Element	Attribute	M/O	Value	Comments

Element	Attribute	M/O	Value	Comments
Competitor /Composition /Athlete /Event	Points	M	N(4) 9990 Or “-“	Athlete’s points for a specific event. Nevertheless, send “-“ if the athlete did not get any points in this particular event
Competitor /Composition /Athlete /Event /OtherCompetitions /OtherCompetition	Points	M	N(4) 9990 Or “-“	Athlete’s points for a specific event in the Competitor /Composition /Athlete /Event /OtherCompetitions /OtherCompetition @Order competition. Nevertheless, send “-“ if the athlete did not get any points in this particular event/competition

The following table describes in more detail the Competitor /Composition /Athlete /Event /ExtFedRankings /ExtFedRanking element.

Element: Competitor /Composition /Athlete /Event /ExtFedRankings /ExtFedRanking			
Type	**Code**	**Value**	**Description**
EFR_AS	AS_BASE	N(4) 9990 Or “-”	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Last season FIS World Cup Start List points for the referred event Use “–“ for Athletes with zero points
	AS_X	N(4) 9990	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: (Base/number of planned races in the current season) *(number of completed races in the current season) for the referred event
	AS_Y	N(4) 9990 Or “-”	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: FIS World Cup points won in the current season for the referred event Use “–“ for Athletes with zero points

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

Type /Code	Description	Expected
EFR_AS /AS_BASE	Last season FIS World Cup Start List points for the referred event	Always
EFR_AS /AS_X	(Base/number of planned races in the current season) *(number of completed races in the current season) for the referred event	Always
EFR_AS /AS_Y	FIS World Cup points won in the current season for the referred event	Always

5.10.6. Message sort

Please, follow the general definition.

6. Real time

The following chapter describes the ODF-RT part of Alpine Skiing.

6.1. Real Time Codes

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

Code Entity	Code Entity Set of Values	
CC @RTRunStatus	**Code**	**Description**
	STARTED	Started skier, for those athletes on course (first skier with status STARTED finishing, will become LAST_FINISHED)
	LAST_FINISHED	Last finished skier (there should be at most one LAST_FINISHED skier. When the skier is not LAST_FINISHED any more, the new status will become FINISHED)
	FINISHED	Finished skier, not being the last one with LAST_FINISHED status. Once one skier finishes, remains in this status
	STARTER	Starter (this skier will be the next to become STARTED)
	NEXT	Next athlete (this skier will be the next to become STARTER)

6.2. Real Time Applicable Messages

The next table is a full list of all ODF-RT messages and describes the list of messages used in Alpine Skiing the same way as it is done in the table of chapter I.1.2.

Message Type	Message name	Message documented	Message used in this sport	Message extended in this document
DT_RT_GM	RT Discipline/Venue good morning	Sports	X	
DT_RT_GN	RT Discipline/venue good night	Sports	X	
DT_RT_KA	RT Discipline/venue keep alive	Sports	X	
DT_RT_RESULT	RT Event Unit Results	Sports	X	X
DT_RT_CUMULATIVE_RESULT	RT Cumulative Results	Sports	X	X

6.3. RT Event Unit Results

6.3.1. Description

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

6.3.2. Header Values

The RSC attribute in the IDS header and the ODF header will be sent according to the ODF Common Codes document. Attribute @ResultStatus should always be either “LIVE_UPDATE” or “LIVE_FULL”.

6.3.3. Trigger and Frequency

The following is the trigger for this message in ODF-RT:

- ResultStatus=”LIVE_UPDATE”
    - T1: Trigger when the interface is open before the competition, updated every hour. During competition, updated every 15 minutes.
    - T2: Trigger when the traffic light changes, a competitor enters the starter position, starts of finishes
    - T3: Trigger when a competitor passes through an intermediate point.
    - T4: Trigger when a competitor passes through the finish line
- ResultStatus=”LIVE_FULL”
    - Suggested to test frequency values around the average time used by the skiers to complete their participation in the course.

6.3.4. Message Structure

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

- UnitInfo
- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Please, follow the general considerations for both LIVE_UPDATE and LIVE_FULL messages, taking into account that: Result information for one skier is known in the finish line (time and rank).

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

6.3.5. Message Values

In the case of ResultStatus=”LIVE_FULL”, send all attributes and codes according to the tables described in this section.

In the case of ResultStatus=”LIVE_UPDATE”, send just the updated attributes and codes according to the tables described in this section.

Those codes with an asterisk (*) are ODF-RT specific data items. The rest of codes without an asterisk are part of standard ODF messages.

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
Result	Rank	O	Numeric	Rank of the competitor in the corresponding event unit. This attribute is optional because the skier could get an invalid rank mark.	T4 (Include attributes just if T4, do not include attributes otherwise)
	ResultType	O	CC @ResultType	Result type, either time or IRM (see potential DSQ extended result: in this case result type would be time) for the corresponding event unit.	
	IRM	O	CC @IRM	IRM for the particular event unit Send just in the case @ResultType is IRM (see codes section)	
	Result	O	MM:SS.hh 99:90.00	Result for the particular event unit. Send just in the case @ResultType is Time (see codes section) MM is minutes, SS is seconds, hh is hundredth of second	
	SortOrder	O	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.	

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

Element: UnitInfo				
Type	**Code**	**Pos**	**Value**	**Description**
UI_AS	AS_NUMBER_DSQ	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message		
	AS_NUMBER_DNF	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message		
	AS_NUMBER_DNS	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message		

UI_RACE_CONDITIONS	RC_AIR_TEMPERATURE_START	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message
	RC_AIR_TEMPERATURE_FINISH	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message
	RC_WIND_SPEED_START	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message
	RC_WIND_SPEED_FINISH	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message
	UI_WIND_START	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message
	UI_WIND_FINISH	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message
	RC_SNOW_TEMP	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message
UI_WEATHER_CONDITIONS	CC @WeatherConditions	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message
UI_SNOW_CONDITIONS	CC @SnowConditions	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message

For the table above, we have the following additional/summary information (send all updated codes, including all competitors with some updated information):

Type /Code	**Description**	**LIVE_UPDATE RT trigger expected**
UI_AS/ AS_NUMBER_DSQ	Number of Disqualified	T4
UI_AS/ AS_NUMBER_DNS	Number of Did not Start	T2
UI_AS/ AS_NUMBER_DNF	Number of Did not Finished	T3
UI_RACE_CONDITIONS /RC_AIR_TEMPERATURE_START	Start line: temperature in @Pos degrees	T1
UI_RACE_CONDITIONS /RC_AIR_TEMPERATURE_FINISH	Finish line: temperature in @Pos degrees	T1
UI_RACE_CONDITIONS /RC_WIND_SPEED_START	Start line: Wind speed in @Pos unit	T1
UI_RACE_CONDITIONS /RC_WIND_SPEED_FINISH	Finish line: Wind speed in @Pos unit	T1
UI_RACE_CONDITIONS /UI_WIND_START	Start line: Wind direction (CC @WindDirection)	T1
UI_RACE_CONDITIONS / UI_WIND_FINISH	Finish line: Wind direction (CC @WindDirection)	T1

UI_RACE_CONDITIONS /RC_SNOW_TEMP	Snow Temperature in ºC and F	T1
UI_WEATHER_CONDITIONS /CC@WeatherConditions	Weather conditions in the @Code attribute	T1
UI_SNOW_CONDITIONS /CC@SnowConditions	Snow conditions in the @Code attribute, while snow temperature in @Pos degrees in the @Value attribute	T1

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

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	**Code**	**Extension Code**	**Pos**	**Value**	**Description**
ER_ AS	AS_RUN_STATUS (*)			CC @RTRunStatus	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the code according to the skier run status
	AS_INTERMEDIATE		N(2) 90	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message	
		AS_SORT	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message		
		AS_TIME	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message		
		AS_DIFF	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message		
	AS_SECTOR		N(2) 90	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message	
		AS_SORT	For @Type, @Code: Send proposed type and		

			code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message	
		AS_TIME	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message	
		AS_DIFF	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message	
	AS_SPEED		N(2) 90	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message
		AS_RANK	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message	
		AS_SORT	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message	
	AS_DIFF		For @Type, @Code: Send proposed type and code For @Value: Send as it is explained in the ODF DT_RESULT message	
	AS_POT_DSQ		For @Type, @Code: Send proposed type and code For @Value: Send as it is explained in the ODF DT_RESULT message	
	AS_RR		S(1)	For @Type, @Code: Send proposed type and code For @Value: Send Y when it is a Re-Run

For the table above, we have the following additional/summary information (send all updated codes, including all competitors with some updated information):

Type /Code	Description	LIVE_UPDATE RT trigger expected
ER_AS /AS_RUN_STATUS (*)	Skier run status	T2
ER_AS /AS_INTERMEDIATE/AS_SORT	Same as in ODF DT_RESULT message	T3

ER_AS /AS_INTERMEDIATE/AS_TIME	Same as in ODF DT_RESULT message	T3
ER_AS /AS_INTERMEDIATE/AS_DIFF	Same as in ODF DT_RESULT message	T3
ER_AS /AS_SECTOR/AS_SORT	Same as in ODF DT_RESULT message	T3
ER_AS /AS_SECTOR/AS_TIME	Same as in ODF DT_RESULT message	T3
ER_AS /AS_SECTOR/AS_DIFF	Same as in ODF DT_RESULT message	T3
ER_AS /AS_SPEED	Same as in ODF DT_RESULT message	T3
ER_AS /AS_SPEED/AS_RANK	Same as in ODF DT_RESULT message	T3
ER_AS /AS_SPEED/AS_SORT	Same as in ODF DT_RESULT message	T3
ER_AS /AS_DIFF	Time difference	T4
ER_AS /AS_POT_DSQ	Potential DSQ	T4
ER_AS /AS_RR	Re-Run Athlete	T4

6.3.6. Message sort

Please, follow the general definition.

6.4. RT Cumulative Results

6.4.1. Description

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

6.4.2. Header Values

The RSC attribute in the IDS header and the ODF header will be sent according to the ODF Common Codes document. Attribute @ResultStatus should always be either “LIVE_UPDATE” or “LIVE_FULL”.

6.4.3. Trigger and Frequency

The following is the trigger for this message in ODF-RT:

- ResultStatus=”LIVE_UPDATE”
    - T3: Trigger when a competitor passes through an intermediate point.
    - T4: Trigger when a competitor passes through the finish line
- ResultStatus=”LIVE_FULL”
    - Suggested to test frequency values around the average time used by the skiers to complete their participation in the course.

6.4.4. Message Structure

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

- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Please, follow the general considerations for both LIVE_UPDATE and LIVE_FULL messages, taking into account that: Result information for one skier is known in the finish line (cumulative time and cumulative rank).

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

6.4.5. Message Values

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
CumulativeResult	Rank	O	Numeric	Cumulative rank of the competitor after the finalisation of the current event unit, so it takes into account the previous event units. This rank indicates a progress of the competition. This attribute is optional because the skier may have got an invalid rank mark.	T4 (Include attributes just if T4, do not include attributes otherwise)
	ResultType	M	CC @ResultType	Result type, either time or IRM (see potential DSQ extended result: in this case result type would be time) for the corresponding cumulative results	
	IRM	O	CC @IRM	IRM after the finalisation of the current event unit. It will depend on the results of all the event units up to the moment of the message sending. Send just in the case @ResultType is IRM (see codes section)	
	Result	O	MM:SS.hh 99:90.00	Cumulative result after the finalisation of the current event unit (considering also the previous event units). It will depend on the results of all the event units up to the moment of the message sending. Send just in the case @ResultType is Time (see codes section) MM is minutes, SS is seconds, hh is hundredth of second	
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results after the finalisation of the current event unit, if they were to be presented. It is mostly based on the rank, but it could be used to sort out rank ties as well as results without rank.	

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

Type	Code	Extension Code	Pos	Value	Description
ER_AS	AS_DIFF		For @Type, @Code: Send proposed type and code For @Value: Send as it is explained in the ODF DT_RESULT message		
	AS_RUN_STATUS (*)			CC @RTRunStatus	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Send the code according to the skier run status
	AS_POT_DSQ		For @Type, @Code: Send proposed type and code For @Value: Send as it is explained in the ODF DT_RESULT message		
	AS_INTERMEDIATE	AS_SORT	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message		
		AS_TIME	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message		
		AS_DIFF	For @Type, @Code: Send proposed type and code For @Pos, @Value: Send as it is explained in the ODF DT_RESULT message		
	AS_RR		S(1)		For @Type, @Code: Send proposed type and code For @Value: Send Y when it is a Re-Run

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

Type /Code	Description	LIVE_UPDATE RT trigger expected
ER_AS /AS_DIFF	Cumulative time difference	T4
ER_AS /AS_RUN_STATUS (*)	Skier run status	T2
ER_AS /AS_POT_DSQ	Potential DSQ	
ER_AS /AS_INTERMEDIATE/AS_SORT	Cumulative rank at the intermediate result point (considering all races up to this moment)	T3
ER_AS /AS_INTERMEDIATE/AS_TIME	Cumulative result at the intermediate result point (considering all races up to this	T3

	moment)	
ER_AS /AS_INTERMEDIATE/AS_DIFF	Cumulative time difference at intermediate result point (considering all races up to this moment)	T3
ER_AS/AS_RR	Re-Run athlete	T4

6.4.6. Message sort

Please, follow the general definition.

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