Olympic Data Feed

ODF Short Track Data Dictionary
PyeongChang – XXIII Olympic Winter Games

Technology and Information Department

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Table of Contents

1Introduction....6
1.1This document....6
1.2Objective....6
1.3Main Audience....6
1.4Glossary....6
1.5Related Documents....6
2Messages....8
2.1Applicable Messages....8
2.2Messages....10
2.2.1List of participants by discipline / List of participants by discipline update....10
2.2.1.1Description....10
2.2.1.2Header Values....10
2.2.1.3Trigger and Frequency....11
2.2.1.4Message Structure....12
2.2.1.5Message Values....13
2.2.1.6Message Sort....16
2.2.2List of teams / List of teams update....18
2.2.2.1Description....18
2.2.2.2Header Values....18
2.2.2.3Trigger and Frequency....19
2.2.2.4Message Structure....19
2.2.2.5Message Values....20
2.2.2.6Message Sort....22
2.2.3Event Unit Start List and Results....23
2.2.3.1Description....23
2.2.3.2Header Values....23
2.2.3.3Trigger and Frequency....24
2.2.3.4Message Structure....24
2.2.3.5Message Values....27
2.2.3.6Message Sort....34
2.2.4Image....35
2.2.4.1Description....35
2.2.4.2Header Values....35
2.2.4.3Trigger and Frequency....36
2.2.4.4Message Structure....36
2.2.4.5Message Values....37
2.2.4.6Message Sort....38

2.2.5Phase Results....39
2.2.5.1Description....39
2.2.5.2Header Values....39
2.2.5.3Trigger and Frequency....40
2.2.5.4Message Structure....40
2.2.5.5Message Values....42
2.2.5.6Message Sort....45
2.2.6Records....46
2.2.6.1Description....46
2.2.6.2Header Values....46
2.2.6.3Trigger and Frequency....47
2.2.6.4Message Structure....47
2.2.6.5Message Values....49
2.2.6.6Message Sort....52
2.2.7Event Final Ranking....53
2.2.7.1Description....53
2.2.7.2Header Values....53
2.2.7.3Trigger and Frequency....54
2.2.7.4Message Structure....54
2.2.7.5Message Values....56
2.2.7.6Message Sort....62
2.2.8Configuration....63
2.2.8.1Description....63
2.2.8.2Header Values....63
2.2.8.3Trigger and Frequency....64
2.2.8.4Message Structure....64
2.2.8.5Message Values....64
2.2.8.6Message Sort....66
2.2.9Event Unit Weather conditions....67
2.2.9.1Description....67
2.2.9.2Header Values....67
2.2.9.3Trigger and Frequency....68
2.2.9.4Message Structure....68
2.2.9.5Message Values....68
2.2.9.6Message Sort....69
3Message Timeline....70
3.1Preparation Phase....70
3.2Before, During, After 70
3.3At the end of the event....72
4Document Control....73

1 Introduction

1.1 This document

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

1.2 Objective

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

1.3 Main Audience

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

1.4 Glossary

The following abbreviations are used in this document.

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

1.5 Related Documents

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

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

2 Messages

2.1 Applicable Messages

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

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

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

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

2.2 Messages

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

2.2.1.1 Description

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

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

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

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

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

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

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

2.2.1.2 Header Values

The following table describes the message header attributes.

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

2.2.1.3 Trigger and Frequency

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

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

2.2.1.4 Message Structure

The following table defines the structure of the message.

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
Competition (0,1)					
	Participant (1,N)				
		Code			
		Parent			
		Status			
		GivenName			
		FamilyName			
		PrintName			
		PrintInitialName			
		TVName			
		TVInitialName			
		LocalFamilyName			
		LocalGivenName			
		Gender			
		Organisation			
		BirthDate			
		Height			
		Weight			
		PlaceofBirth			
		CountryofBirth			
		PlaceofResidence			
		CountryofResidence			
		Nationality			
		MainFunctionId			
		Current			
		OlympicSolidarity			
		ModificationIndicator			
		Discipline (1,1)			
			Code		

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

2.2.1.5 Message Values

Element: Participant (1,N)			
Attribute	**M/O**	**Value**	**Description**
Code	M	S(20) with no leading zeroes	Participant's ID. It identifies an athlete or an official and the holding participant's valid information for one particular period of time. It is used to link other messages to the participant's information. 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. 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.
Parent	M	S(20) with no leading zeroes	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.

			The participant containing @Code attribute being the same as the @Parent attribute will be the one with the latest information for the participant. The @Parent attribute will only be different from @Code in the case that critial 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".
Status	O	CC @ParticStatus	Participant's accreditation status this atribute is Mandatory in the case of @Current="true" and it is optional in the case that @Current="false". To delete a participant, a specific value of the Status attribute is used.
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)
PrintName	M	S(35)	Print name (family name in upper case + given name in mixed case)
PrintInitialName	M	S(18)	Print Initial name (for the given name it is sent just the initial, without dot)
TVName	M	S(35)	TV name
TVInitialName	M	S(18)	TV initial name
LocalFamilyName	O	S(25)	Family name in the local language in the appropriate case for the local language (usually mixed case)
LocalGivenName	O	S(25)	Given name in the local language in the appropriate case for the local language (usually mixed case)
Gender	M	CC @PersonGender	Participant's gender
Organisation	M	CC @Organisation	Organisation ID
BirthDate	O	YYYY-MM-DD	Date of birth. This information may not be known at the very beginning, but it will be completed for all participants after successive updates
Height	O	S(3)	Height in centimetres. It will be included if this information is available. This information is not needed in the case of officials/referees. "-" may be used where the data is not available.
Weight	O	S(3)	Weight in kilograms. It will be included if this information is available. This information is not needed in the case of officials/referees.

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

Element: Participant /Discipline (1,1)

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

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

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

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

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

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

Send if there are specific athlete's event entries.

Type		Code	Pos	Description
ENTRY		RANK_WLD	N/A	Element Expected: When available
	Attribute	**M/O**	**Value**	**Description**
	Value	O	S(4)	World Rank of the athlete
ENTRY		RANK_ASSIGN	N/A	Element Expected: When available. Only in DT_PARTIC_UPDATE
	Attribute	**M/O**	**Value**	**Description**
	Value	O	S(4)	Rank assigned to the athlete in case of no World Rank exists.

2.2.1.6 Message Sort

The message is sorted by Participant @Code

2.2.2 List of teams / List of teams update

2.2.2.1 Description

The List of teams message contains the list of teams related to the current competition.

A team is a type of competitor, being a group of two or more individual athletes participating together in one event. Pairs (tennis, figure skating, etc.) are also defined as team of two competitors. One team participates in one event of one discipline. When one team participates in multiple events, there will be one team for each event for the same group. Also when the same organisation participates in the same event twice, there will different teams.

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

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

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

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

2.2.2.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC (discipline level)	RSC at the discipline level
DocumentType	DT_PARTIC_TEAMS / DT_PARTIC_TEAMS_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.
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.

2.2.2.3 Trigger and Frequency

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

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

2.2.2.4 Message Structure

The following table defines the structure of the message.

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
Competition (0,1)					
	Team (1,N)				
		Code			
		Organisation			

- Number
- Name
- TVTeamName
- Gender
- Current
- ModificationIndicator
- Composition (0,1)
  - Athlete (0,N)
    - Code
    - Order
- Discipline (0,1)
  - Code
  - IFId
  - RegisteredEvent (0,1)
    - Event
    - EventEntry (0,N)
      - Code
      - Type
      - Pos
      - Value

2.2.2.5 Message Values

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

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

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

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

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

Element: Team /Discipline (0,1)

Each team is assigned just to one discipline. Discipline is expected unless ModificationIndicator="D"			
Attribute	**M/O**	**Value**	**Description**
Code	M	CC @Discipline	Full RSC of the Discipline
IFId	O	S(16)	Federation number for the corresponding discipline (include if the discipline assigns international federation codes to teams)

Element: Team /Discipline /RegisteredEvent (0,1) Each current team is assigned to one event. Historical teams will not be registered to any event.			
Attribute	**M/O**	**Value**	**Description**
Event	M	CC @Event	Full RSC of the Event

Element: Team /Discipline /RegisteredEvent /EventEntry (0,N) Send if there are specific team's event entries.				
Type		**Code**	**Pos**	**Description**
ENTRY		RANK_WLD	N/A	Element Expected: When available
	Attribute	**M/O**	**Value**	**Description**
	Value	O	S(4)	World Rank of the team

2.2.2.6 Message Sort

The message is sorted by Team @Code.

2.2.3 Event Unit Start List and Results

2.2.3.1 Description

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

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

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

2.2.3.2 Header Values

The following table describes the message header attributes.

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

LogicalDate	Date	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.

2.2.3.3 Trigger and Frequency

This message is sent:

* As soon as the start list is available and any changes [inc. IRMs] (START_LIST)
* When the unit starts and after every update (lap) (LIVE)
* After the race is finished
    - UNCONFIRMED: Until the last photofinish time is available
    - UNOFFICIAL: After the last photofinish time is available but results are not approved
    - OFFICIAL: Results are approved
* After any change

2.2.3.4 Message Structure

The following table defines the structure of the message.

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

- SportDescription (0,1)
  - DisciplineName
  - EventName
  - Gender
  - SubEventName
  - UnitNum
- VenueDescription (0,1)
  - Venue
  - VenueName
  - Location
  - LocationName
  - Attendance
- Officials (0,1)
  - Official (1,N)
    - Code
    - Function
    - Order
    - Description (1,1)
      - GivenName
      - FamilyName
      - Gender
      - Organisation
      - IFId
- Result (1,N)
  - Rank
  - RankEqual
  - Result
  - IRM
  - QualificationMark
  - SortOrder
  - StartOrder
  - StartSortOrder

- ResultType
- ExtendedResults (0,1)
  - ExtendedResult (1,N)
    - Type
    - Code
    - Pos
    - Value
    - ValueType
    - Rank
    - RankEqual
    - SortOrder
- RecordIndicators (0,1)
  - RecordIndicator (1,N)
    - Order
    - Code
    - RecordType
    - Equalled
- Competitor (1,1)
  - Code
  - Type
  - Organisation
  - Description (0,1)
    - TeamName
    - IFId
  - Composition (0,1)
    - Athlete (1,N)
      - Code
      - Order
      - Bib
      - Description (1,1)
        - GivenName
        - FamilyName

	Gender Organisation BirthDate IFId

2.2.3.5 Message Values

Element: ExtendedInfos /ExtendedInfo (0,N)				
Type		**Code**	**Pos**	**Description**
UI		LEADER	Numeric #0	Pos Description: Send the intermediate number as defined in @Pos in DT_CONFIG Element Expected: When available for each intermediate
	Attribute	**M/O**	**Value**	**Description**
	Value	O	S(20) with no leading zeroes	Send the ID of the leading competitor at each intermediate.
DISPLAY		LAST_INTERMEDIATE	N/A	Element Expected: When LIVE after the first intermediate
	Attribute	**M/O**	**Value**	**Description**
	Value	O	Numeric #0	Send the intermediate number most recently passed by the leader as defined in @Pos in DT_CONFIG
DISPLAY		LEADER_SPEED	N/A	Element Expected: When available for each intermediate
	Attribute	**M/O**	**Value**	**Description**
	Value	O	Numeric #0.0	Leader speed in the last completed lap in km/h.

Sample (ExtendedInfo)

```
...
<ExtendedInfos>
        <UnitDateTime StartDate="2012-08-07T11:01:00+01:00" />
        <ExtendedInfo Type="UI" Code="LEADER" Pos="1" Value="123456" />
        <ExtendedInfo Type="UI" Code="LEADER" Pos="2" Value="123456" />
        <ExtendedInfo Type="DISPLAY" Code="LEADER_SPEED" Value="43.1" />
...
```

Element: ExtendedInfos /SportDescription (0,1)

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

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

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

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

IFId	O	S(16)	International Federation ID

Element: Result (1,N) **For each Event Unit Results message, there must be at least one competitor with a result element in the event unit.**			
Attribute	**M/O**	**Value**	**Description**
Rank	O	String	Rank of the competitor in the event unit (not cumulative).
RankEqual	O	Y	Identifies if a rank has been equalled. Only send if applicable
Result	O	m:ss.fff	Result for the particular event unit. Send just in the case @ResultType is TIME May be empty in the case of a referee decision to supress time.
IRM	O	SC @IRM	The invalid result mark, in case it is assigned
QualificationMark	O	SC @QualificationMark	Send just in the case the competitor has qualified.
SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank. Prior to the unit the order is the same as StartSortOrder. Updated during the race with the current order,
StartOrder	O	Numeric	The start order of the unit.
StartSortOrder	M	Numeric	Used to sort all start list competitors in an event unit.
ResultType	O	SC @ResultType	Type of the @Result attribute.

Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type		**Code**	**Pos**	**Description**
PROGRESS		INTERMEDIATE	S(2)	Pos Description: Intermediate point where the intermediate time is recorded (1, 2...F). Element Expected: When data is available
	Attribute	**M/O**	**Value**	**Description**
	Value	O	m:ss.fff	Cumulative time at the intermediate point in the current run. Do not send minutes if zero.

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

Element: Result /RecordIndicators /RecordIndicator (1,N)			
Result's record indicator.			
Attribute	**M/O**	**Value**	**Description**

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

Element: Result /Competitor (1,1)

Competitor related to the result of one event unit.

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes or TBD or NOCOMP	Competitor's ID or TBD in case that the competitor is unknown at this time but will be available NOCOMP is sent when there is no competitor (and will not come later)
Type	M	T,A	T for team A for athlete
Organisation	O	CC @Organisation	Competitor's organisation

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

Competitors extended information.

Attribute	M/O	Value	Description
TeamName	M	S(73)	Name of the team.
IFId	O	S(16)	International Federation ID

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

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

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

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

Sample (ExtendedResults)

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

2.2.3.6 Message Sort

Sort by Result @SortOrder

2.2.4 Image

2.2.4.1 Description

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

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

2.2.4.2 Header Values

The following table describes the message header attributes.

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

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

2.2.4.3 Trigger and Frequency

Triggered as soon as image available.

2.2.4.4 Message Structure

The following table defines the structure of the message.

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
Competition (0,1)							
	Image (1,N)						
		Pos					
		Version					
		Revision					
		ImageType					
		Result (0,N)					
			Result				
			Rank				
			StartOrder				
			SortOrder				
			Competitor (1,1)				
				Code			
				Type			
				Organisation			
				Description (0,1)			
					TeamName		
				Composition (0,1)			
					Athlete (1,N)		
						Code	
						Order	

				Bib	
				Description (1,1)	
					GivenName
					FamilyName
		ImageData (1,1)			
			-		

2.2.4.5 Message Values

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

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

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

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

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

Element: Competition /Image /Result /Competitor /Composition /Athlete (1,N) **Only sent in the case of individual events. Team members are not sent in team events.**			
Attribute	**M/O**	**Value**	**Description**
Code	O	S(20) with no leading zeroes	Athlete's ID. If it is possible to send the ID it should be included.
Order	M	Numeric ##0	Order attribute used to sort team members in a team. Send 1 for individuals.
Bib	O	S(4)	Bib number

Element: Competition /Image /Result /Competitor /Composition /Athlete /Description (1,1)			
Attribute	**M/O**	**Value**	**Description**
GivenName	O	S(25)	Given name (Photofinish Name)
FamilyName	M	S(25)	Family name (Photofinish Name)

Element: Competition /Image /ImageData (1,1)			
Attribute	**M/O**	**Value**	**Description**
-	M	Free Text	The ImageData element has a body consisting of one Base64-encoded report (a jpeg or png file)

2.2.4.6 Message Sort

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

2.2.5 Phase Results

2.2.5.1 Description

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

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

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

2.2.5.2 Header Values

The following table describes the message header attributes.

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

		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.

2.2.5.3 Trigger and Frequency

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

2.2.5.4 Message Structure

The following table defines the structure of the message.

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

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

	Athlete (1,N)		
		Code	
		Order	
		Bib	
		Description (1,1)	
			GivenName
			FamilyName
			Gender
			Organisation
			BirthDate
			IFId

2.2.5.5 Message Values

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

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

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

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

Element: Result (1,N) **For any Phase Results message, there should be at least one competitor being awarded a result for the phase.**			
Attribute	**M/O**	**Value**	**Description**
Rank	O	S(2)	Rank of the competitor in the corresponding unit within the phase. This attribute is optional because the competitor could get an invalid rank mark.
RankEqual	O	Y	Identifies if a rank has been equalled. Only send if applicable
ResultType	O	SC @ResultType	Type of the @Result attribute
Result	O	m:ss.ff	Result for the particular phase
IRM	O	SC @IRM	The invalid result mark, in case it is assigned
QualificationMark	O	SC @QualificationMark	The code which gives an indication on the qualification of the competitor for the next round of the competition
SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular phase, if they were to be presented. In principle the sort of unit followed by rank.

Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type		**Code**	**Pos**	**Description**
ER		UNIT_NUM	N/A	Element Expected: Always
	Attribute	**M/O**	**Value**	**Description**
	Value	O	S(2)	Send the heat number/letter
ER		UNIT_STARTORDER	N/A	Element Expected: Always
	Attribute	**M/O**	**Value**	**Description**
	Value	O	Numeric #0	Send the starting order for the competitor in the unit.
ER		RACE_NUM	N/A	Element Expected: Always
	Attribute	**M/O**	**Value**	**Description**

	Value	O	Numeric ##0	Send the race number.

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

Element: Result /Competitor (1,1) **Competitor related to one phase result.**			
Attribute	**M/O**	**Value**	**Description**
Code	M	S(20) with no leading zeroes	Competitor's ID
Type	M	T,A	T for team A for athlete
Organisation	M	CC @Organisation	Competitor's organisation

Element: Result /Competitor /Description (0,1) **Competitors extended information.**			
Attribute	**M/O**	**Value**	**Description**
TeamName	M	S(73)	Name of the team. Only applies for teams / groups. Not usually for pairs (figure skating & beach volleyball are the exceptions).
IFId	O	S(16)	International Federation ID

Element: Result /Competitor /Composition /Athlete (1,N)			
Attribute	**M/O**	**Value**	**Description**
Code	M	S(20) with no leading zeroes	Athlete's ID, corresponding to either a team member or a single athlete

Order	M	Numeric	Order attribute used to sort team members in a team (if Competitor @Type="T") or 1 if Competitor @Type="A".
Bib	O	S(5)	Athlete's helmet number

Element: Result /Competitor /Composition /Athlete /Description (1,1) **Athletes extended information.**			
Attribute	**M/O**	**Value**	**Description**
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)
Gender	M	CC @PersonGender	Gender of the athlete
Organisation	M	CC @Organisation	Athletes' organisation
BirthDate	O	Date	Birth date (example: YYYY-MM-DD). Must include if the data is available
IFId	O	S(16)	International Federation ID

Sample (ExtendeResults)

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

2.2.5.6 Message Sort

Sort by Result @SortOrder. SortOrder is determined by grouping <Result> elements by Event Unit - Heat - and then by Rank within the Heat.

2.2.6 Records

2.2.6.1 Description

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

Special Situations - Not Established Records:
There are some situations where there are no records for a particular event. This can happen,for example, when the sport rules change (different weights or distances) or new events are introduced.
If this occurs then the NotEstablished flag is used to indicate this situation.
If a record is established for this event in the current competition then the NotEstablished flag and description will not be sent when a new record is established.

2.2.6.2 Header Values

The following table describes the message header attributes.

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

		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

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

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

2.2.6.4 Message Structure

The following table defines the structure of the message.

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
Competition (0,1)								
	ExtendedInfos (0,1)							
		SportDescription (0,1)						
			DisciplineName					
	Record (1,N)							
		Code						
		Description (1,1)						
			Name					
		RecordType (1,N)						
			Order					
			RecordType					
			Shared					
			RecordData (0,N)					

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

	BirthDate IFId

2.2.6.5 Message Values

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

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

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

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

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

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

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

Element: Record /RecordType /RecordData /Competitor (0,1)

Competitor to whom the record is assigned.
Athlete's or team's information should be in DT_PARTIC (Historic) if Competitor @Type="A" or DT_PARTIC_TEAMS (Historic) if Competitor @Type="T".

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

Element: Record /RecordType /RecordData /Competitor /Description (0,1)

Competitors extended information.

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

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

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

Element: Record /RecordType /RecordData /Competitor /Composition /Athlete /Description (0,1)

Athletes extended information.

Attribute	M/O	Value	Description

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

Sample (Records)

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

2.2.6.6 Message Sort

The following order applies:
- Record @Code
- RecordType @Order
- RecordData @Order

2.2.7 Event Final Ranking

2.2.7.1 Description

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

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

2.2.7.2 Header Values

The following table describes the message header attributes.

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

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

2.2.7.3 Trigger and Frequency

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

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

2.2.7.4 Message Structure

The following table defines the structure of the message.

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
Competition (0,1)							
	ExtendedInfos (0,1)						
		SportDescription (0,1)					
			DisciplineName				
			EventName				
			Gender				
		VenueDescription (0,1)					
			Venue				
			VenueName				
	Result (1,N)						
		Rank					
		RankEqual					
		ResultType					
		Result					
		IRM					
		SortOrder					
		ExtendedResults (0,1)					
			ExtendedResult (1,N)				

- Type
- Code
- Pos
- Value
- Extension (0,N)
  - Code
  - Pos
  - Value
- Competitor (1,1)
  - Code
  - Type
  - Organisation
  - Bib
  - Description (0,1)
    - TeamName
    - IFId
  - Composition (1,1)
    - Athlete (1,N)
      - Code
      - Order
      - Bib
      - Description (1,1)
        - GivenName
        - FamilyName
        - Gender
        - Organisation
        - BirthDate
        - IFId
      - ExtendedResults (0,1)
        - ExtendedResult (1,N)
          - Type
          - Code

	Pos Value

2.2.7.5 Message Values

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

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

Element: Result (1,N) **For any event final ranking message, there should be at least one competitor being awarded a result for the event.**			
Attribute	**M/O**	**Value**	**Description**
Rank	O	String	Final rank of the competitor in the corresponding event. This attribute is optional because the competitor could get an empty rank in the case of a red card, for example.
RankEqual	O	Y	Identifies if a rank has been equalled. Only send if applicable
ResultType	O	SC @ResultType	Result type, for the corresponding event, mandatory if Result or IRM is included.
Result	O	m:ss.fff	Best time for the competitor regardless of phase. May be empty in the case of a referee decision to supress time.
IRM	O	SC @IRM	The invalid result mark, in case it is assigned

SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.

Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type		**Code**	**Pos**	**Description**
ER		RECORD	N/A	Element Expected: When available
	Attribute	**M/O**	**Value**	**Description**
	Value	O	CC @RecordType	Indicates if the result of the competitor is a record (highest only)
ER		ROUND	Numeric 0	Pos Description: Send the order of the rounds in which this competitor participated, with Final A last (highest value) if applicable. Each round has the same @Pos value for all participants. Element Expected: For each round where the competitor participated.
	Attribute	**M/O**	**Value**	**Description**
	Value	O	SC @ResultPhase	Code of the round
	Sub Element: Result /ExtendedResults /ExtendedResult /Extension **Expected: If the competitor received an IRM in this round**			
	Attribute	**Value**	**Description**	
	Code	IRM		
	Pos	N/A		
	Value	SC @IRM	IRM of the competitor if applicable in this round.	
	Sub Element: Result /ExtendedResults /ExtendedResult /Extension **Expected: If available**			
	Attribute	**Value**	**Description**	
	Code	RANK		
	Pos	N/A		
	Value	S(2)	The rank of the competitor in this round	
UNIT_LAST		PHASE	N/A	Element Expected: Always

	Attribute	M/O	Value	Description
	Value	O	SC @ResultPhase	Last Phase reached by the competitor
UNIT_LAST		RANK	N/A	Element Expected: If available
	Attribute	**M/O**	**Value**	**Description**
	Value	O	S(2)	The rank of the competitor in the last phase reached
UNIT_LAST		IRM	N/A	Element Expected: If the competitor received an IRM in the last race
	Attribute	**M/O**	**Value**	**Description**
	Value	O	SC @IRM	IRM of the competitor if applicable in the last round reached.

Element: Result /Competitor (1,1)

Competitor related to one final event result.

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

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

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

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

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID, corresponding to an individual athlete or a team member. Team members should be participating in the event.

Order	M	Numeric	Order attribute used to sort team members in a team (if Competitor @Type="T") or 1 if Competitor @Type="A".
Bib	O	Defined by Discipline	Athlete Bib

Element: Result /Competitor /Composition /Athlete /Description (1,1)			
Attribute	**M/O**	**Value**	**Description**
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)
Gender	M	CC @PersonGender	Gender of the athlete
Organisation	M	CC @Organisation	Athletes' organisation
BirthDate	O	Date	Birth date (example: YYYY-MM-DD). Must include if the data is available
IFId	O	S(16)	International Federation ID

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (1,N) **Team member's or individual athlete's extended result, depending on whether Competitor @Type="T" or Competitor @Type="A" according to competitors' rules.**				
Type		**Code**	**Pos**	**Description**
PHASE		SC @ResultPhase	N/A	Element Expected: When available
	Attribute	**M/O**	**Value**	**Description**
	Value	O	S(1)	Send 'Y' if the athlete raced in the phase indicated by @Code or 'N' if they did not race.

Sample (Individual)

```
...
<Result SortOrder="1" Rank="1" ResultType="TIME" Result="2:14.480">
	<ExtendedResults>
		<ExtendedResult Type="ER" Code="ROUND" Value="HEAT" >
			<Extension Code="RANK" Value="2" />
		</ExtendedResult>
		<ExtendedResult Type="ER" Code="ROUND" Value="QFNL" >
			<Extension Code="RANK" Value="3" />
		</ExtendedResult>
		<ExtendedResult Type="UNIT_LAST" Code="PHASE" Value="FNL" />
		<ExtendedResult Type="UNIT_LAST" Code="RANK" Value="1" />
	</ExtendedResults>
	<Competitor Type="A" Code="2012272" Organisation="GER" >
		<Composition>
			<Athlete Code="2012272" Order="1">
				<Description	GivenName="John"	FamilyName="Smith"	Gender="M"
Organisation="GER" BirthDate="1994-12-15" />
			</Athlete>
		</Composition>
	</Competitor>
</Result>
...
<Result SortOrder="36">
	<ExtendedResults>
		<ExtendedResult Type="ER" Code="ROUND" Value="HEAT" >
			<Extension Code="RANK" Value="2" />
		</ExtendedResult>
		<ExtendedResult Type="ER" Code="ROUND" Value="QFNL" >
			<Extension Code="RANK" Value="4" />
		</ExtendedResult>
		<ExtendedResult Type="UNIT_LAST" Code="PHASE" Value="HEAT" />
		<ExtendedResult Type="UNIT_LAST" Code="IRM" Value="PEN" />
	</ExtendedResults>
	<Competitor Type="A" Code="2000137" Organisation="SWE" >
		<Composition>
			<Athlete Code="2000137" Order="1" >
				<Description	GivenName="James"	FamilyName="Smith"	Gender="M"
Organisation="SWE" BirthDate="1994-12-14" />
			</Athlete>
		</Composition>
	</Competitor>
</Result>
...
```


Sample (Team)

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

2.2.7.6 Message Sort

Sort by Result @SortOrder

2.2.8 Configuration

2.2.8.1 Description

The Configuration is a message containing general configuration.

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

2.2.8.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC of the Event	Send one message per event and include the all phases within the event message.
DocumentType	DT_CONFIG	Configuration message
Version	1..V	Version number associated to the message's content. Ascendant number
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	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.

2.2.8.3 Trigger and Frequency

The message is sent prior to any ODF Sports message.

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

2.2.8.4 Message Structure

The following table defines the structure of the message.

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

2.2.8.5 Message Values

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

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

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

Sample (Configuration)

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

2.2.8.6 Message Sort

There is no general message sorting rule.

2.2.9 Event Unit Weather conditions

2.2.9.1 Description

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

2.2.9.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC	
DocumentType	DT_WEATHER	Weather conditions in the match message
Version	1..V	Version number associated to the message's content. Ascendant number
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	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.

2.2.9.3 Trigger and Frequency

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

2.2.9.4 Message Structure

The following table defines the structure of the message.

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

2.2.9.5 Message Values

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

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

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

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

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

Sample (Weather Conditions)

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

2.2.9.6 Message Sort

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

3 Message Timeline

3.1 Preparation Phase

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

3.2 Before, During, After …

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

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

3.3 At the end of the event

Trigger	Message	Status	D	E	P	S	U
After last event unit is official	DT_MEDALLIST	OFFICIAL		X			
	DT_RANKING	OFFICIAL		X			
	DT_MEDALLIST_DISCIPLINE		X				
	DT_PDF C74X Distance classification			X			
	DT_PDF C92X Medallist			X			
	DT_PDF C93 Medallists by Event		X				

Legend:

D Discipline **E** Event **P** Phase **S** Session **U** Unit **X** Sent on that level **o** Includes info from that level

4 Document Control

Version history		
Version	**Date**	**Comments**
v1.0	26 Feb 2015	First Version
v1.1	12 Mar 2015	Updated with Omega comments
v1.2	7 Jul 2015	Updated code system
v1.3	9 Sep 2015	Updated
v1.4	4 Jan 2016	Status Change
v1.5	24 Mar 2016	Updated
v1.6	24 Jun 2016	Updated
v1.7	10 Nov 2016	Updated
v1.8	22 Dec 2016	Minor update
v1.9	23 Feb 2017	CR14627
v2.0	2 Mar 2017	First version as a full document
v2.1	20 Apr 2017	CR14725, CR14738

File Reference: ODF/INT425 R-WOG-2018-STK-v2.1 APP

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

v2.1	APP	CR14725: - DT_RANKING: Remove UNIT_ALL ExtendedResult and add ROUND ExtendedResult CR14738: - DT_PARTIC_UPDATE: RANK_ASSIGN@EventUnitEntry added - DT_RESULT: LEADER_SPEED@Display/ExtendedInfo added - DT_RESULT: Triggering: Clarification added on UNCONFIRMED, UNOFFICIAL, OFFICIAL - Timeline: DT_RANKING added at the end of the event - Timeline: marks in Session column removed - DT_PHASE_RESULT: added clarification in Message Sort