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SOG-2020-HOC-2.8 APP

Olympic Data Feed



ODF Hockey Data Dictionary
Tokyo 2020 – Games of the XXXII Olympiad
Technology and Information Department
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SOG-2020-HOC-2.8 APP
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1 Introduction

1.1 This document

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

1.2 Objective

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

1.3 Main Audience

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

1.4 Glossary

The following abbreviations are used in this document.

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

1.5 Related Documents

Document Title	Document Description
ODF Foundation Principles	The document explains the environment & general principles for ODF
ODF General Messages Interface	The document describes the ODF General Messages
Common Codes	The document describes the ODF Common codes
ODF Header Values	The document details the header values which shows which RSCs are used in which messages.
ORIS Sports Document	The document details the sport specific requirements

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 Hockey.

- 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	X
DT_PARTIC DT_PARTIC_UPDATE	/ List of participants by discipline / List of participants by discipline update	X
DT_PARTIC_NAME	Participant Names	
DT_PARTIC_TEAMS DT_PARTIC_TEAMS_UPDATE	/ List of teams / List of teams update	X
DT_MEDALS	Medal standings	
DT_RESULT	Event Unit Start List and Results	X
DT_PLAY_BY_PLAY	Play by Play	X
DT_CURRENT	Current Information	X
DT_IMAGE	Image	X
DT_POOL_STANDING	Pool Standings	X
DT_BRACKETS	Brackets	X
DT_STATS	Statistics	X
DT_RANKING	Event Final Ranking	X
DT_COMMUNICATION	Communication	
DT_WEATHER	Weather conditions	X
DT_MEDALLISTS	Event's Medallists	



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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 Competition schedule / Competition schedule update

2.2.1.1 Description

The Competition schedule is a bulk message provided for one discipline. As a general rule, it contains the complete schedule information for all event units needed to run a competition and excludes event units for activities such as unofficial training and press conferences.

This message contains the competition timetable for a complete discipline as well as status for each competition unit and is updated from OVR via the schedule update message. All event units in codes which have the 'schedule' flag set to 'Y' are included in schedule messages regardless of status (those without status must be sent as UNSCHEDULED if the schedule flag is "Y").

The arrival of the competition schedule message resets all the previous schedule information for one discipline.

The StartList component of the message is only included in the case that the Unit Type is one of HATH, HCOUP, HNOC or HTEAM and at least one of the competitors are known. The Composition component (i.e. listing athletes) is only included in the case that the Unit Type is one of HATH or HCOUP.

For reference the applicable unit types (from common codes) are:

HATH Individual Head to Head units (e.g. ARC, BDM, TEN, SBD etc)
HCOUP Pairs/Couples Head to Head units (e.g. BDM, TEN etc)
HNOC NOC Head to Head units (e.g. ARC, ALP)
HTEAM Teams Head to Head units (e.g. BKB, VBV, HBL, CUR, IHO etc)

Managing when start times are not known.

In some disciplines the start time of each unit is not known and the unit are managed by order rather than time.

In these disciplines only the time of the first unit (or first unit per location) is known and distributed. In this case all units should be sent with the same start time and those following units flagged as HideStartDate (and finish). To be able to correctly order these units then the Order attribute is used (and must be sent from the venue).

To ensure there are no incorrectly ordered units then the start time must not be updated to the actual start time (there is an actual start time field to cater for this). For example:

Start Time To Display Unit HideStartDate Location Order
in message

12:00	12:00	Unit 1	N	Court 2	1
12:00	Match 2	Court 2	Unit 2	Y	Court 2 2
12:00	Match 3	Court 2	Unit 3	Y	Court 2 3



16:30 Not before 16:30 Unit 4 Y Court 2 4

If the discipline requires some text describing the order then StartText is used. Typical uses include "Not before 17:00" or "SUN 29 - 2nd match on CC" or "Follows".

Advice for end users - how to sort event units and use DT_SCHEDULE:

- When displaying the schedule users must use the following sort order to display as intended:

1. By day (or filter by day)
2. By location if applicable (in a small number of sports, when EventOrder = LOC in Discipline codes)
3. By Time (regardless if HideStartDate="Y")
4. By Order

- The Order is sent for all units where HideStartDate="Y" or if special ordering is required else not sent. Start with 1 each new session each day

- End users should display StartText if HideStartDate="Y"

If a StartText value of "Not before hh:mm" is used then it is expected that the StartDate sent is the same hh:mm.

Competition schedule update:

Competition schedule update is an update message. It is not a complete schedule information message, but only the schedule data being modified.

The arrival of this message updates the previous schedule information for one particular event unit(s) or session(s), but does not notify any other change for the rest of the event units/sessions except for those contained in the message.

The key of the information updated is Unit @Code. Therefore, any new unit, deleted unit or updated unit will be identified by all this attribute.

It has to be understood that if one DT_SCHEDULE message arrives, then all previous DT_SCHEDULE_UPDATE messages should be discarded.

When message is sent from Competition Schedule application in advance of the Games the element ExtendedInfos/EntendedInfo will contain following information:

- Type=CS, Code=VERSION, the attribute Value will indicate the version details from the competition schedule application

- Type=CS, Code=STATUS the attribute Value will indicate the status details from the competition schedule application

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)	Full RSC at the discipline level
DocumentType	DT_SCHEDULE /	Competition schedule bulk / update



	DT_SCHEDULE_UPDATE	
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	Refer to the ODF header definition
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 competition schedule will be sent as a bulk message (DocumentType="DT_SCHEDULE") when available before the Games and then sent multiple times until a date to be confirmed after which only update messages will be sent (DocumentType="DT_SCHEDULE_UPDATE") by OVR. There is no automatic triggering and this (DT_SCHEDULE) message must not be sent after the transfer of control to OVR.

The competition schedule update message should be triggered at any time there has been a competition schedule modification for any previously sent competition schedule bulk message or update message including the addition of start list details (H2H).

Generally start list details for H2H units should be sent immediately when officially known which should be as soon as possible after the preceding unit changes to official.



The triggers for status changes are described in each sport data dictionary where differences are needed.

If any text descriptions change in a message (as opposed to the code) then this message is not resent to correct previous messages however the new data is to be used in future messages.

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	Level 7
<u>Competition (0,1)</u>						
	Gen					
	Sport					
	Codes					
	<u>Session (0,N)</u>					
		SessionCode				
		StartDate				
		EndDate				
		Leadin				
		Venue				
		VenueName				
		ModificationIndicator				
		SessionStatus				
		SessionType				
		<u>SessionName (1,N)</u>				
			Language			
			Value			
	<u>Unit (0,N)</u>					
		Code				
		PhaseType				
		UnitNum				
		ScheduleStatus				
		StartDate				
		HideStartDate				
		EndDate				
		HideEndDate				
		ActualStartDate				



ActualEndDate				
Order				
Medal				
Venue				
Location				
MediaAccess				
SessionCode				
ModificationIndicator				
<u>StartText (0,N)</u>				
	Language			
	Value			
<u>ItemName (1,N)</u>				
	Language			
	Value			
<u>ItemDescription (0,N)</u>				
	Language			
	-			
<u>VenueDescription (1,1)</u>				
	VenueName			
	LocationName			
<u>StartList (0,1)</u>				
	<u>Start (1,N)</u>			
		StartOrder		
		SortOrder		
		PreviousWLT		
		PreviousUnit		
		<u>Competitor (1,1)</u>		
			Code	
			Type	
			Organisation	
			<u>Description (0,1)</u>	
				TeamName
				IFId



2.2.1.5 Message Values

Element: Competition (0,1)

Table Note: "Competition schedule" and "Competition schedule update" share the same message structure and message attributes, except for the two ModificationIndicator attributes, which are specific to the "Competition schedule update message".

Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: Competition /Session (0,N)

Attribute	M/O	Value	Description
SessionCode	M	S(10)	Code of the sports competition session which contains this event unit. Usually in the format DDD00. DDD is the discipline and 00 is the session number within the discipline. For example ARC02 for the second session in Archery.
StartDate	M	DateTime	Start date. Example: 2006-02-26T10:00:00+01:00
EndDate	M	DateTime	End date. Example: 2006-02-26T10:00:00+01:00
Leadin	O	m:ss	Amount of time from session start to first scheduled unit.
Venue	M	CC @VenueCode	Venue where the session takes place
VenueName	M	S(25)	Name of venue
ModificationIndicator	O	S(1)	Attribute is mandatory in the DT_SCHEDULE_UPDATE message. N = New or U = Update.
SessionStatus	O	CC @ScheduleStatus	Only use CANCELLED if applicable. All other sessions are assumed to be scheduled. There is no change to running or finished.
SessionType	O	CC @SessionType	Session type of the Session.

Element: Competition /Session /SessionName (1,N)



Attribute	M/O	Value	Description
Language	M	CC @Language	Language of the Session Description
Value	M	S(40)	Name of the sports competition session

Sample (Session)

```
<Session Code="ATH01" StartDate="2016-08-12T10:00:00+01:00" EndDate="2016-08-12T14:00:00+05:00" LeadIn="5:00" Venue="STA" VenueName="Olympic Stadium" >
  <SessionName Language="ENG" Value="Athletics Session 1" />
</Session>
<Session Code="ATH02" StartDate="2016-08-12T18:00:00+01:00" EndDate="2016-08-12T21:00:00+05:00" LeadIn="5:00" Venue="STA" VenueName="Olympic Stadium" >
  <SessionName Language="ENG" Value="Athletics Session 2" />
</Session>
```

Element: Competition /Unit (0,N)			
Attribute	M/O	Value	Description
Code	M	Full RSC for the unit	
PhaseType	M	CC @PhaseType	Phase type for the unit
UnitNum	O	S(15)	Match / Game / Bout / Race Number or similar
ScheduleStatus	M	CC @ScheduleStatus	Unit Status
StartDate	O	DateTime	<p>Start date. This attribute may not be sent when the @ScheduleStatus is UNSCHEDULED. For other statuses the StartDate is expected otherwise ordering is display is incorrert (including CANCELLED and POSTPONED.</p> <p>This is the scheduled Start date and time and will not be updated when an event unit starts (updated only with RESCHEDULED status)</p> <p>Where HideStartDate="Y" then this should be filled with the session start time or the start time of a group of units for all similar units and Order used for sorting. This method is not used in team sports where HideStartDate="Y" is only used temporarily to remove times.</p> <p>Example: 2006-02-26T10:00:00+01:00</p>
HideStartDate	O	S(1)	<p>Send 'Y' if StartDate (scheduled start time) should not be displayed. It may be an estimate or 'fake' time.</p> <p>Do not send if StartDate (scheduled start time) is to be displayed.</p>



			<p>Start times of some units depend on the finalisation of previous event units and therefore there is no fixed start time in these cases this field is set to 'Y'.</p> <p>When the flag is set to 'Y' then the time is used for sorting purposes but should not be displayed.</p>
EndDate	O	DateTime	<p>End date. This attribute may not be sent when the @ScheduleStatus is UNSCHEDULED, POSTPONED or CANCELLED.</p> <p>Example: 2006-02-26T10:00:00+01:00</p>
HideEndDate	O	S(1)	<p>Send 'Y' if EndDate scheduled end time is not to be displayed.</p> <p>Some event units have a scheduled end time well bounded, however, some event units in some circumstances have a scheduled end time not quite variable (example, some press conferences or tennis matches, etc.) in these cases this field is set to 'Y' and should not be displayed.</p>
ActualStartDate	O	DateTime	<p>This attribute is expected once the event unit has started.</p> <p>Example: 2006-02-26T10:03:22+01:00</p>
ActualEndDate	O	DateTime	<p>This attribute is expected once the event unit has finished.</p> <p>Example: 2006-02-26T12:43:51+01:00</p>
Order	O	Numeric ###0	<p>Order of the units when displayed. This field is considered in two situations:</p> <ol style="list-style-type: none"> 1. If HideStartDate = 'Y' then send at least for all Units in an affected session though it is suggested to be sent for all units in a discipline where the concept is used in the discipline. 2. If some units start at the same time and a particular order of the units is expected. <p>It is generally recommended to start at 1 in each session each day though may be ordered independently by location starting at 1 for each location in each session (where the schedule is ordered by location) or using other numbers to</p>



			ensure the order of two using starting at the same time are displayed in the appropriate order.
Medal	O	SC @UnitMedalType	Medal indicator. Do not send if not a medal event unit
Venue	O	CC @VenueCode	Venue where the unit takes place Mandatory unless UNSCHEDULED Can use TBD if the Venue is not known yet (see CC).
Location	O	CC @Location	Location where the unit takes place. Mandatory unless UNSCHEDULED. Can use TBD if the Location is not known yet or a generic code for the discipline (see CC).
MediaAccess	O	S(6)	Only applicable for non-competition. If unit is open to media send "Open", if the unit is closed then send "Closed".
SessionCode	O	S(10)	Code of the sports competition session which contains this event unit. Usually in the format DDD00. DDD is the discipline and 00 is the session number within the discipline. For example ARC02 for the second session in Archery.
ModificationIndicator	O	N, U	Attribute is mandatory in the DT_SCHEDULE_UPDATE message only N-New event unit U-Update event unit If ModificationIndicator='N', then include new event unit. It will be rarely used as most added units were available in "UNSCHEDULED" status. If ModificationIndicator="U", then update the event unit.

Element: Competition /Unit /StartText (0,N)

This element is only used for Competition Schedules when HideStartDate is 'Y'. In this case, English Language is mandatory.

Attribute	M/O	Value	Description
Language	M	CC @Language	Code Language of the @Value
Value	M	S(20) or a code set to be defined discipline by discipline	Text to be displayed in the case that StartDate is not to be displayed (e.g. "After M.1" or "Followed by") Using a code set or fixed text will also be directly



			displayed and allow end user translation.
--	--	--	---

Element: Competition /Unit /ItemName (1,N)			
Attribute	M/O	Value	Description
Language	M	CC @Language	Code Language of the @Value
Value	M	S(40)	Item Name / Unit Description. For competition units show the short unit description from common codes which matches the RSC. As in all messages with a description only the ENG description is expected. For non-competition schedules (where the item description is not in common codes) then add the description.

Element: Competition /Unit /ItemDescription (0,N)			
Attribute	M/O	Value	Description
Language	M	CC @Language	Code Language of the @Value
-	M	Free Text	Item Description for non-competition schedule

Element: Competition /Unit /VenueDescription (1,1)			
Attribute	M/O	Value	Description
VenueName	M	S(25)	Venue name in first language. This is the CC value from unit/venue
LocationName	M	S(30)	Location name in first language. This is the CC value from unit/location.

Element: Competition /Unit /StartList /Start (1,N)			
StartList information is only sent in the case that the Unit type is one of HATH, HCOUP, HNOG or HTEAM and at least one of the competitors are known. (Sent as soon as known for applicable units)			
Attribute	M/O	Value	Description
StartOrder	O	Numeric	Competitor's start order
SortOrder	M	Numeric	Used to sort competitors in an event unit (for example, if there is no StartOrder). It is mainly used for display purposes.
PreviousWLT	O	S(1)	W or L for winner of loser of a particular previous unit plays in this unit. This attribute is only filled if



			the competitors are 100% confirmed as participating at this time and not subject to change depending on TV times etc. Further, the data is removed when the real teams are known.
PreviousUnit	O	S(34)	The full RSC of the unit where this competitor came from. This attribute is only filled if the competitors are 100% confirmed as participating at this time and not subject to change depending on TV times etc. Further, the data is removed when the real teams are known.

Element: Competition /Unit /StartList /Start /Competitor (1,1)

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes, TBD or NOCOMP.	Competitor's ID, TBD in case that the competitor is not known at this time AND the other competitor is known. NOCOMP is sent when there is no competitor (and will not come later)
Type	M	S(1)	T for team
Organisation	O	CC @Organisation	Should be sent when known

Element: Competition /Unit /StartList /Start /Competitor /Description (0,1)

Attribute	M/O	Value	Description
TeamName	M	S(73)	Team Name where known, must send when available
IFId	O	S(16)	Team IF number, send if available

2.2.1.6 Message Sort

Sort by Session @SessionCode.

The message is sorted by Unit@StartDate then by Unit@Order then Unit@Code.
In case of event unit with no Unit@StartDate defined (example, they are in an event unit status such as UNSCHEDULED), they will be listed at the end in Unit@Code order.

2.2.2 List of participants by discipline / List of participants by discipline update

2.2.2.1 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.

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

List of participants by discipline update (DT_PARTIC_UPDATE) is an update message. It is not a complete list of participants' information by discipline message, only the participant data being modified, i.e. if some data of one participant changes, the element Participant for it with all its children and attributes must be sent. The key of the information updated consists of the following attribute: Participant @Code. Therefore, any new or updated Participant Discipline-Event will be identified by all these attributes.

2.2.2.2 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)	Full 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



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

2.2.2.3 Trigger and Frequency

The DT_PARTIC 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.

2.2.2.4 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)					
	Gen				
	Sport				
	Codes				
	Participant (1,N)				
		Code			
		Parent			
		Status			
		GivenName			
		FamilyName			
		PassportGivenName			
		PassportFamilyName			
		PrintName			



PrintInitialName
TVName
TVInitialName
TVFamilyName
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
Status
EventEntry (0,N)
Code
Type
Pos



	Value
--	-------

2.2.2.5 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Sample (Competition)

```
<Competition Gen="SOG-2020-1.10" Sport="SOG-2020-HOC-1.10" Codes="SOG-2020-1.20" >
```

Element: Participant (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	<p>Participant's ID.</p> <p>It identifies an athlete or an official and the holding participant's valid information for one particular period of time.</p> <p>It is used to link other messages to the participant's information.</p> <p>Participant's information (example @Organisation) will not be the latest for the athlete/official, unless the @Code attribute is the same as the @Parent attribute. However, this information could be the one being valid in the particular moment of a start list, event unit results, etc.</p> <p>When the participant is an historical one, then this ID will start with "A" when it is an Athlete, "C" when Coach and "O" when Official.</p>
Parent	M	S(20) with no leading zeroes	<p>Participant's parent ID, which is used to link to the latest valid information for one participant. @Parent attribute should be linked to the latest participant's information, by retrieving that Athlete/Official whose @Code attribute is the same as @Parent.</p>



			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 critical personal information has changed from previous competitions. The typical examples are Organisation (for change of country) or Name (particularly for women changing their name at marriage). Further to be clear, @Parent and @Code can only be different if Current = "false".
Status	O	CC @ParticStatus	Participant's accreditation status this attribute 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)
PassportGivenName	O	S(25)	Passport Given Name (Uppercase).
PassportFamilyName	O	S(25)	Passport Family Name (Uppercase).
PrintName	M	S(35)	Print name (family name in upper case + given name in mixed case)
PrintInitialName	M	S(18)	Print Initial name (for the given name it is sent just the initial, without dot)
TVName	M	S(35)	TV name
TVInitialName	M	S(18)	TV initial name
TVFamilyName	M	S(25)	TV family name
LocalFamilyName	O	S(25)	Family name in the local language in the appropriate case for the local language (usually mixed case)
LocalGivenName	O	S(25)	Given name in the local language in the appropriate case for the local language (usually mixed case)
Gender	M	CC @PersonGender	Participant's gender
Organisation	M	CC @Organisation	Organisation ID
BirthDate	O	YYYY-MM-DD	Date of birth. This information may not be known at the very beginning, but it will be completed for all participants after successive updates



Height	O	S(3)	Height in centimetres. It will be included if this information is available. This information is not needed in the case of officials/referees. "-" may be used where the data is not available.
Weight	O	S(3)	Weight in kilograms. It will be included if this information is available. This information is not needed in the case of officials/referees. Do not send attribute if data not available.
PlaceofBirth	O	S(75)	Place of Birth
CountryofBirth	O	CC @Country	Country ID of Birth
PlaceofResidence	O	S(75)	Place of Residence
CountryofResidence	O	CC @Country	Country ID of Residence
Nationality	O	CC @Country	Participant's nationality. Although this attribute is optional, in very exceptional situations it will not be known, and for this reason not ready to be sent.
MainFunctionId	O	CC @ResultsFunction	Main function In the Case of Current="true" this attribute is Mandatory.
Current	M	boolean	It defines if a participant is participating in the games (true) or is a Historical participant (false).
OlympicSolidarity	O	S(1)	Send Y if the participant is a member of the Solidarity / Scholarship Program else not sent.
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)	IF ID (Competitor's federation number for the corresponding discipline)

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(2)	Shirt number. Although this attribute is optional, it will be updated and informed as soon as this information is known. Example: 8, 10...
Substitute	O	S(1)	Flag that indicates when the competitor is an alternate. Send "Y" if the competitor is an alternate player
Status	O	SC @AthleteStatus	Participant status. As soon as information is known.

Element: Participant /Discipline /RegisteredEvent /EventEntry (0,N)				
Send if there are specific athlete's event entries.				
Type	Code	Pos	Description	
ENTRY	POSITION	N/A	Element Expected: As soon as it is known (this information can be sent in both messages).	
	Attribute	M/O	Value	Description
	Value	M	CC @Position	Position Code in the Team
ENTRY	CLUB_NAME	N/A	Element Expected: As soon as it is known (this information can be sent in both	



				messages).
	Attribute	M/O	Value	Description
	Value	M	S(25)	Club Name
ENTRY		CLUB_CITY	N/A	Element Expected: As soon as it is known (this information can be sent in both messages).
	Attribute	M/O	Value	Description
	Value	M	S(25)	Club City
ENTRY		CLUB_ORG	N/A	Element Expected: As soon as it is known (this information can be sent in both messages).
	Attribute	M/O	Value	Description
	Value	M	CC @Organisation	Club Country Code
ENTRY		INTERNAT_PLAYE D	N/A	Element Expected: As soon as it is known (this information can be sent in both messages).
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0	International games played
ENTRY		INTERNAT_GOALS	N/A	Element Expected: As soon as it is known (this information can be sent in both messages).
	Attribute	M/O	Value	Description
	Value	M	Numeric ###	Goals scored in international matches
ENTRY		CAPTAIN	N/A	Element Expected: As soon as it is known (this information can be sent in both messages).
	Attribute	M/O	Value	Description
	Value	M	S(1)	Send "Y" in case the participant is a captain else do not send.

Sample (Entries)



```
<Discipline Code="HOC-----" IFId="203258" >
  <RegisteredEvent Event="HOCTEAM11-----" >
    <EventEntry Type="ENTRY" Code="POSITION" Value="GK" />
    <EventEntry Type="ENTRY" Code="CLUB_NAME" Value="Sydney Stars" />
    <EventEntry Type="ENTRY" Code="CLUB_CITY" Value="Sydney" />
    <EventEntry Type="ENTRY" Code="INTERNAT_PLAYED" Value="34" />
  </RegisteredEvent>
</Discipline>
```

2.2.2.6 Message Sort

The message is sorted by Participant @Code

2.2.3 List of teams / List of teams update

2.2.3.1 Description

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

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.

2.2.3.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC (discipline level)	Full 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



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

2.2.3.3 Trigger and Frequency

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

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

2.2.3.4 Message Structure

The following table defines the structure of the message.

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
Competition (0,1)	Gen Sport Codes				
	Team (1,N)	Code Organisation Number Name TVTeamName Gender Current ModificationIndicator			
		Composition (0,1)			
			Athlete (0,N)		
				Code Order	



2.2.3.5 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

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



			organisation's team, etc. Required in the case of current teams.
Name	M	S(73)	Team's name.
TVTeamName	M	S(21)	TV Team Name
Gender	M	CC @DisciplineGender	Discipline Gender Code of the Team
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 /TeamOfficials /Official (1,N)

Send if there are specific officials for the team. Does not apply to historical teams.

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Official's ID of the listed team's official. For all team officials.
Function	M	CC @ResultsFunction	Official's function for the team.



Order	O	Numeric #0	Official's order in the team.
-------	---	---------------	-------------------------------

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

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	UNIFORM	Numeric 0	Pos Description: Send 1,2 or 3 to indicate the number of the shirt Element Expected: As soon as it is known (this information can be sent in both messages).
	Attribute	M/O	Value
	Value	M	S(25)
ENTRY	SHORTS	Numeric 0	Pos Description: Send 1,2 or 3 to indicate the number of the shorts/skirts Element Expected: As soon as it is known (this information can be sent in both messages).
	Attribute	M/O	Value
	Value	M	S(25)
ENTRY	SOCKS	Numeric 0	Pos Description: Send 1,2 or 3 to indicate the number of the socks Element Expected: As soon as it is known (this



				information can be sent in both messages).
	Attribute	M/O	Value	Description
	Value	M	S(25)	Socks Colour
ENTRY		UNIFORM_GK	Numeric 0	Pos Description: Send 1,2 or 3 to indicate the number of the shirt Element Expected: As soon as it is known (this information can be sent in both messages).
	Attribute	M/O	Value	Description
	Value	M	S(25)	Goalkeeper's Shirt Colour
ENTRY		SEED	N/A	Element Expected: As soon as it is known (this information can be sent in both messages).
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	The position in which the team is seeded for the competition.
ENTRY		GROUP	N/A	Element Expected: As soon as it is known (this information can be sent in both messages).
	Attribute	M/O	Value	Description
	Value	M	S(1)	Team's Preliminary Group

Sample (General)



```
<Team Code="HOCMTEAM11----CAN01" Organisation="CAN" Number="1" Name="Canada" Gender="M"
Current="true">
  <Composition>
    <Athlete Code="1063192" Order="1"/>
    <Athlete Code="1063249" Order="2"/>
    <Athlete Code="1067349" Order="3"/>
  ....
  </Composition>
  <TeamOfficials>
    <Official Code="7380748" Function="TM_MGR" />
    <Official Code="7380750" Function="COACH" />
    <Official Code="7380751" Function="AST_COA" />
    <Official Code="7380752" Function="SI_MGR" />
    <Official Code="7380753" Function="DOCTOR" />
    <Official Code="7380754" Function="PHYSIO" />
  </TeamOfficials>
  <Discipline Code="HOC-----" >
    <RegisteredEvent Event="HOCMTEAM11-----" >
      <EventEntry Type="ENTRY" Code="UNIFORM" Pos="1" Value="Red" />
      <EventEntry Type="ENTRY" Code="SHORTS" Pos="1" Value="Red" />
      <EventEntry Type="ENTRY" Code="UNIFORM" Pos="2" Value="White" />
    ....
      <EventEntry Type="ENTRY" Code="GROUP" Value="A" />
      <EventEntry Type="ENTRY" Code="SEED" Value="4" />
    </RegisteredEvent>
  </Discipline>
</Team>
```

2.2.3.6 Message Sort

The message is sorted by Team @Code.

2.2.4 Event Unit Start List and Results

2.2.4.1 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. The definition includes as much generic information as possible due to the fact that each discipline and event has its own format for the results information (example: score of a match, time in a race, distance in a throw...).

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

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	Full RSC of the event unit
DocumentSubcode	N/A	N/A
DocumentType	DT_RESULT	Event Unit Start List and Results message
DocumentSubtype	N/A	N/A
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 INTERMEDIATE (After each period) LIVE (used during the competition when nothing else applies). OFFICIAL UNOFFICIAL
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.



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

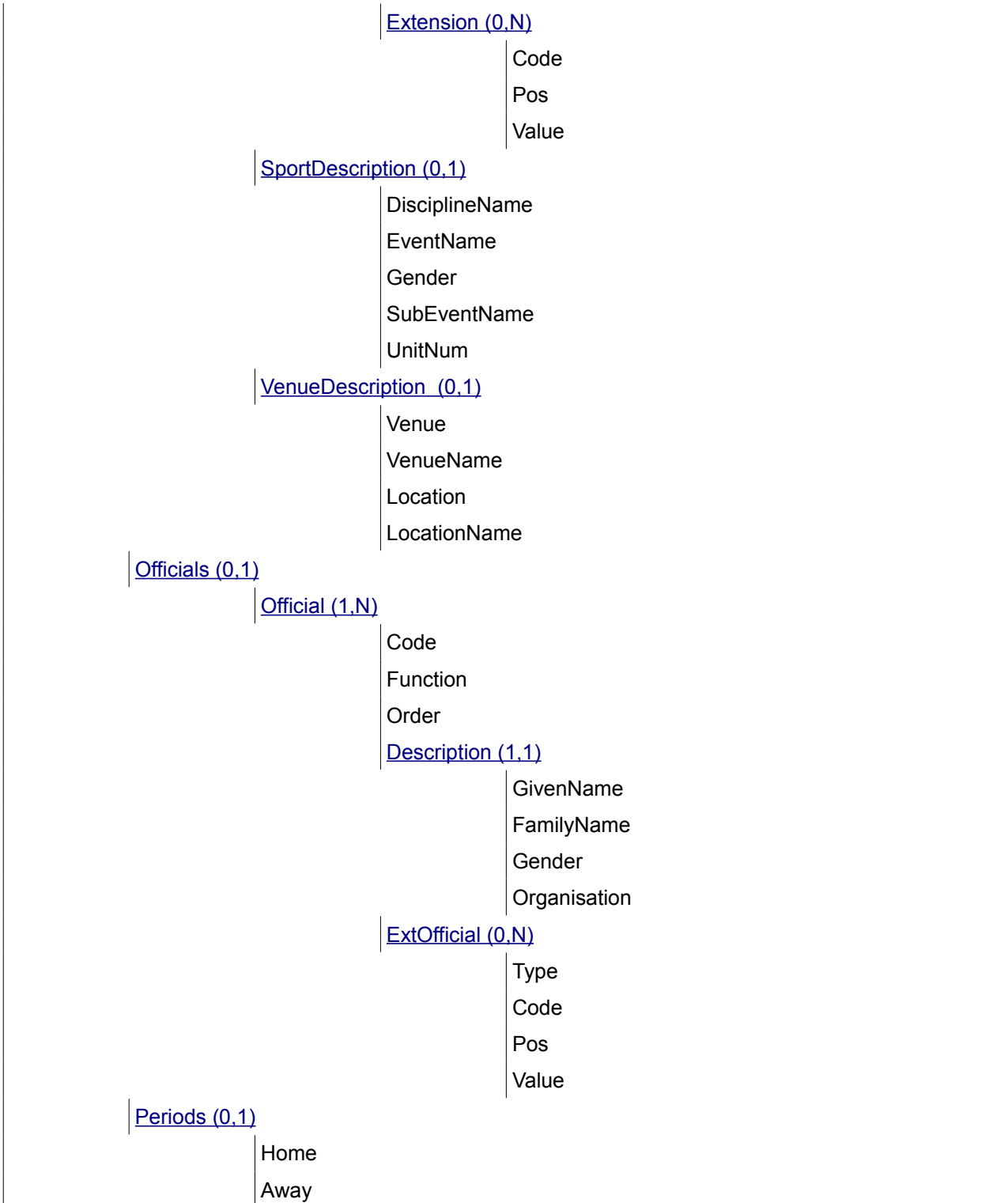
2.2.4.3 Trigger and Frequency

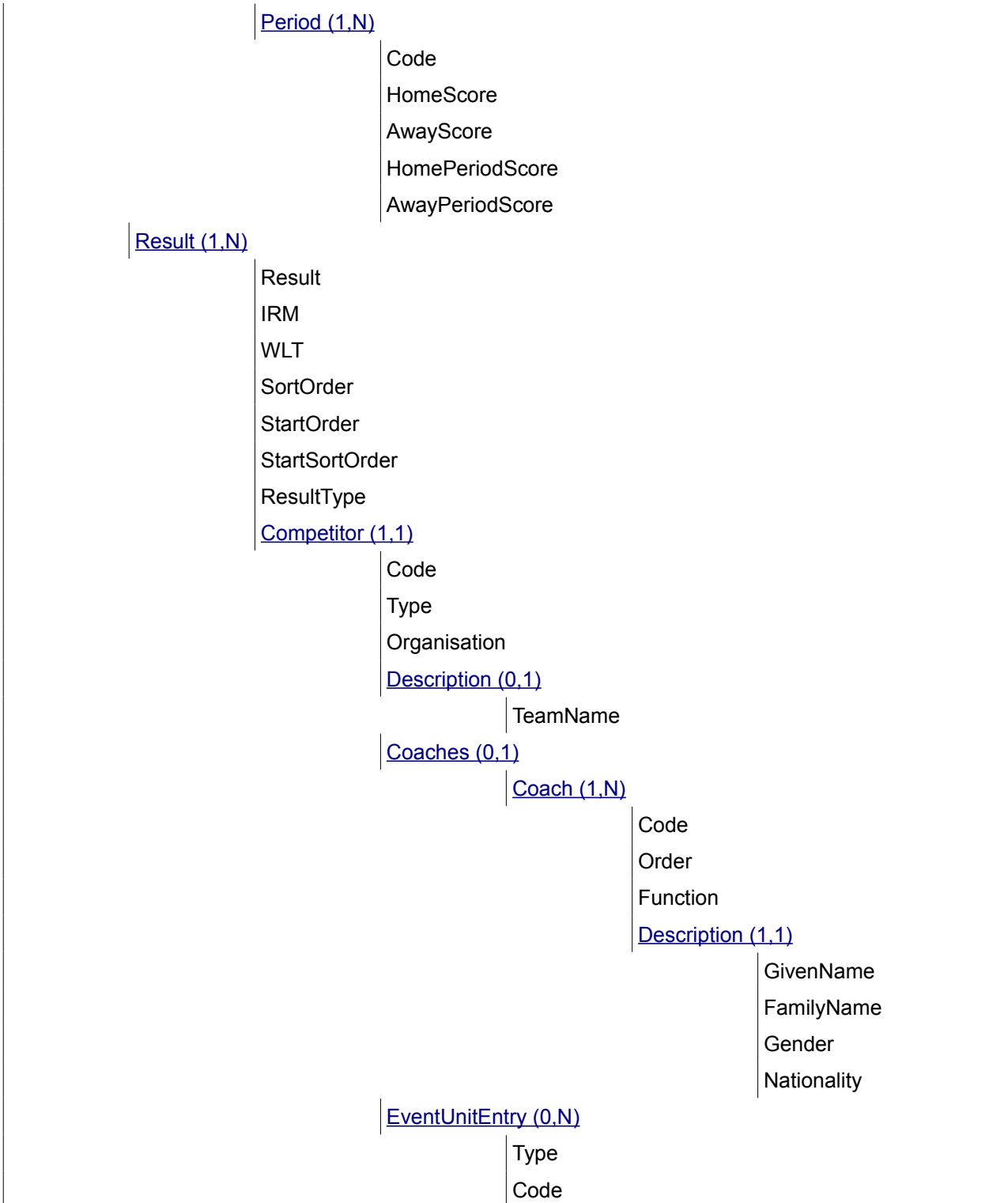
- START LIST: As soon as the team/teams are known.
- START LIST: As soon as any of the line-up and starters are known and any change/addition to these.
- LIVE: At the beginning of each period.
- LIVE: After every change in any data [scores, substitute, DQ etc].
- INTERMEDIATE: After each period (if it is not the last period).
- UNOFFICIAL / OFFICIAL: After the match (unit).

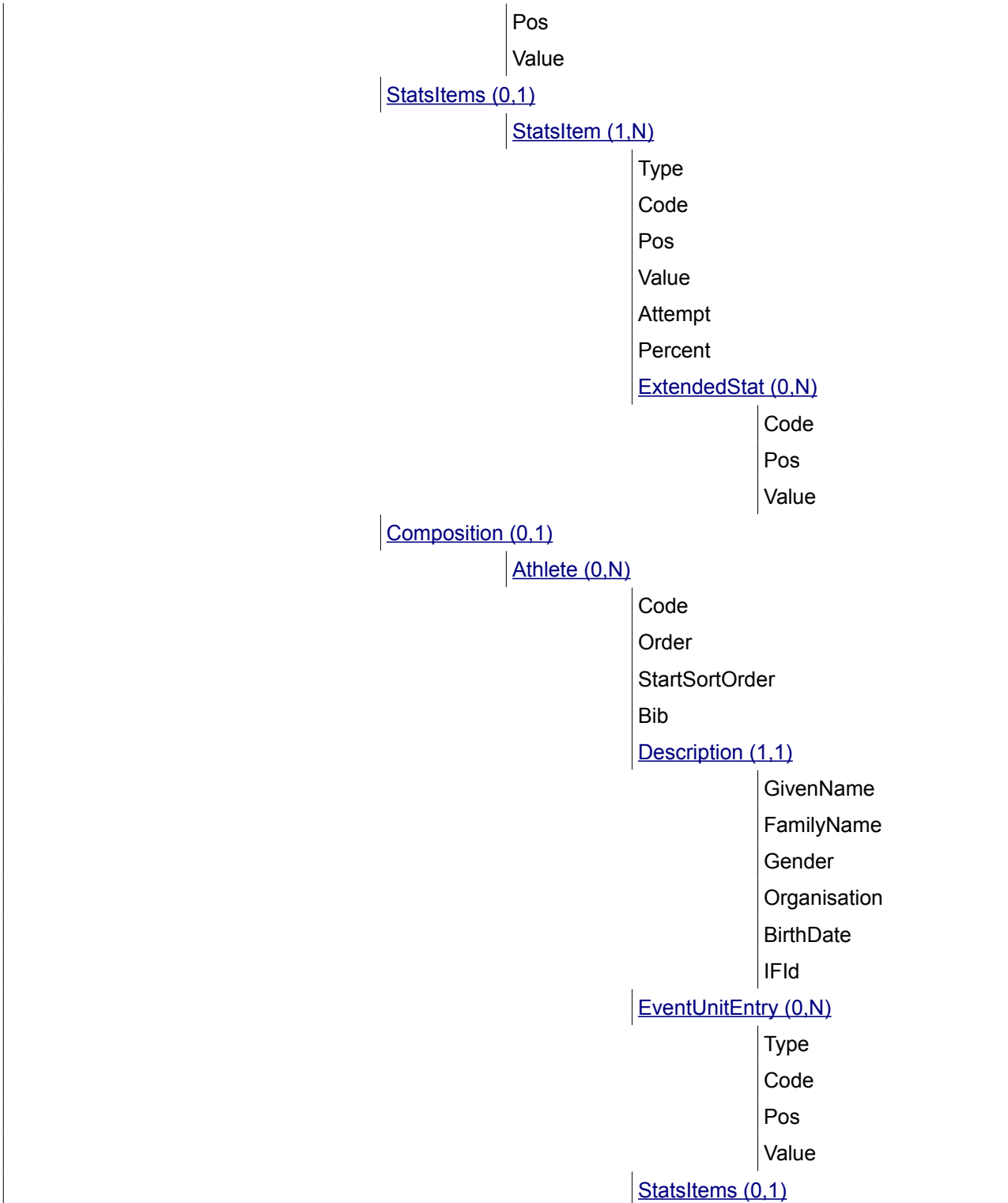
2.2.4.4 Message Structure

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)							
	Gen						
	Sport						
	Codes						
	ExtendedInfos (0,1)						
		UnitDateTime (0,1)					
			StartDate				
		ExtendedInfo (0,N)					
			Type				
			Code				
			Pos				
			Value				









		StatsItem (1.N)
		Type
		Code
		Pos
		Value
		Attempt
		Percent

2.2.4.5 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: ExtendedInfos /UnitDateTime (0,1)			
Actual start date and time / end date and time. (do not include until unit starts)			
Attribute	M/O	Value	Description
StartDate	M	DateTime	Actual start date-time. Do not include until unit starts.

Element: ExtendedInfos /ExtendedInfo (0,N)				
Type	Code	Pos	Description	
UI	PERIOD	N/A	Element Expected: Beginning of each period. Remove when official.	
	Attribute	M/O	Value	Description
	Value	M	SC @Period	Send current period
STATS	ACP	N/A	Element Expected: Always, if the information is available	
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0	Attack Circle Penetration



STATS	VTR	N/A	Element Expected: Always, if the information is available
Attribute	M/O	Value	Description
Value	M	Numeric #0	Total Video Team Referral
Sub Element: ExtendedInfos /ExtendedInfo /Extension Expected:			
Attribute	Value	Description	
Code	R		
Pos	N/A	N/A	
Value	Numeric #0	Refused video referrals	
Sub Element: ExtendedInfos /ExtendedInfo /Extension Expected:			
Attribute	Value	Description	
Code	U		
Pos	N/A	N/A	
Value	Numeric #0	Upheld video referrals	
STATS	SUB	N/A	Element Expected: Always, if the information is available
Attribute	M/O	Value	Description
Value	M	Numeric #0	Number of Substitutions
STATS	PC	N/A	Element Expected: Always, if the information is available
Attribute	M/O	Value	Description
Value	M	Numeric ###0	Penalty Corners
DISPLAY	String	Numeric ##0	Code Description: Send the @Code of the last updated Result /Competitor /StatsItems /StatsItem or Result /Competitor /Composition /Athlete /StatsItems /StatsItem may be: FG, PC, PTY, FG_GK, PC_GK,



				PTY_GK, GC, YC and RC.Pos Description: Unique sequential number for all the statistics to highlight Element Expected: When available and only when the unit is LIVE. Send multiple if applicable.
Attribute	M/O	Value	Description	
Value	M	S(20)	Send the ID of the athlete/team who was updated in the @Code attribute	

Sample (ExtendedInfos)

```
<ExtendedInfos>
  <ExtendedInfo Type="UI" Code="PERIOD" Value="H1" />
  <ExtendedInfo Type="DISPLAY" Code="PC" Pos="1" Value="2518090" />
</ExtendedInfos>
```

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	O	S(15)	Match 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

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	Send the umpires (2 Umpires, 1 Reserve Umpire and 1 Video Umpire) according to the codes
Order	M	Numeric	Send by Order as on official score sheet

Element: Officials /Official /Description (1,1)

Officials extended information.

Attribute	M/O	Value	Description
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)
Gender	M	CC @PersonGender	Gender of the official
Organisation	M	CC @Organisation	Officials' organisation

Element: Officials /Official /ExtOfficial (0,N)

Type	Code	Pos	Description
EO	UNIFORM	N/A	Element Expected: When it is available
	Attribute	M/O	Value
	Value	M	String
			Description
			Shirt Colour of the official

Sample (Officials)

```

...
<Officials>
  <Official Code="1138266" Function="UM" Order="1">
    <Description GivenName="Jane" FamilyName="Smith" Gender="F" Organisation="SUI" />
    <ExtOfficial Type="EO" Code="UNIFORM" Value="Yellow" />
  </Official>
  <Official Code="1105079" Function="UM" Order="2">
    <Description GivenName="Ann" FamilyName="Jones" Gender="F" Organisation="ESP" />
    <ExtOfficial Type="EO" Code="UNIFORM" Value="Yellow" />
  </Official>
  ...
</Officials>
...

```

Element: Periods (0,1)

Attribute	M/O	Value	Description
Home	M	S(20) with no leading zeroes	Home Competitor ID



Away	M	S(20) with no leading zeroes	Away Competitor ID
------	---	------------------------------	--------------------

Element: Periods /Period (1,N)

Period in which the event unit message arrives.

Attribute	M/O	Value	Description
Code	M	SC @Period	Period's code
HomeScore	M	Numeric ##0	Overall score of the first named competitor at the end of the period. Excluding goals scored at SOC
AwayScore	M	Numeric ##0	Overall score of the second named competitor at the end of the period. Excluding goals scored at SOC
HomePeriodScore	O	Numeric #0	Score of the first named competitor just for each period.
AwayPeriodScore	O	Numeric #0	Score of the second named competitor just for each period.

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
Result	O	Numeric ##0	Result of the Team for the particular event unit.
IRM	O	SC @IRM	IRM of the Team for the particular event unit. Send just in the case @ResultType both Points and IRM.
WLT	O	SC @WLT	The code whether a competitor won, lost or tied
SortOrder	M	Numeric	This attribute is a sequential number with the order of the First named (1) and the Visitor (2)
StartOrder	M	Numeric	Send 1 for first named team, send 2 for second named team
StartSortOrder	M	Numeric	Same @StartOrder
ResultType	O	SC @ResultType	Result type, either points or IRM with points for the corresponding event unit

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	S(1)	T for team
Organisation	O	CC @Organisation	Competitor's organisation

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

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

Element: Result /Competitor /Coaches /Coach (1,N)

Competitor's Coach

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Official code.
Order	M	Numeric	Order of the team officials
Function	M	CC @ResultsFunction	Team officials function

Element: Result /Competitor /Coaches /Coach /Description (1,1)

Coach 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
Nationality	M	CC @Country	Coach's nationality

Element: Result /Competitor /EventUnitEntry (0,N)

For team event information

Type	Code	Pos	Description
EUE	HOME_AWAY	N/A	Element Expected: When available
	Attribute	M/O	Value
	Value	M	SC @Home
			Description
			Send Home or Away designator



EUE	UNIFORM	Numeric 0	Pos Description: Value for the uniform matching the Pos value from ENTRY/UNIFORM in DT_PARTIC_TEAMS for this colour. Element Expected: If available	
	Attribute	M/O	Value	Description
	Value	M	String	Shirt colour of the team
EUE	SHORTS	N/A	Element Expected: If it is available	
	Attribute	M/O	Value	Description
	Value	M	String	Shorts/Skirts colour of the team
EUE	SOCKS	N/A	Element Expected: If it is available	
	Attribute	M/O	Value	Description
	Value	M	String	Socks colour
EUE	UNIFORM_GK	N/A	Element Expected: If it is available	
	Attribute	M/O	Value	Description
	Value	M	String	Goalkeeper's Shirt Colour

Sample (Competitor)



```

....
<Competitor Code="HOCWTEAM11----RSA01" Type="T" Organisation="RSA">
  <Description TeamName="South Africa"/>
  <Coaches>
    <Coach Code="1098910" Function="MGR" Order="1">
      <Description      GivenName="Jane"      FamilyName="Smith"      Gender="F"
Nationality="RSA" />
    </Coach>
    <Coach Code="1161886" Function="COACH" Order="2">
      <Description      GivenName="Ann"      FamilyName="Jones"      Gender="F"
Nationality="AUT" />
    </Coach>
    <Coach Code="1104950" Function="AST_COA" Order="3">
      <Description      GivenName="Jack"      FamilyName="Spratt"      Gender="M"
Nationality="USA" />
    </Coach>
  </Coaches>
  <EventUnitEntry Type="EUE" Code="HOME_AWAY" Value="HOME"/>
  <EventUnitEntry Type="EUE" Pos="2" Code="UNIFORM" Value="Red" />
  <EventUnitEntry Type="EUE" Code="SHORTS" Value="White" />
  <EventUnitEntry Type="EUE" Code="SOCKS" Value="Red" />
....

```

Element: Result /Competitor /StatsItems /StatsItem (1,N)				
Type		Code	Pos	Description
ST		TOTAL FG PC PTY	SC@Period	Code Description: TOTAL: Total Goals/ Shots & Conversion Percentage FG: Field goals/shots PC: Penalty corner goals/shots PTY: Penalty stroke goals/shots Pos Description: Send periods Element Expected: Always, if the information is available, shots and goals must always be sent at the same time
	Attribute	M/O	Value	Description
	Value	M	Numeric ###0	Goals
	Attempt	O	Numeric ###0	Shots
	Percent	O	Numeric ##0	Total Conversion percentage Send only for TOTAL



ST	TOTAL_GK FG_GK PC_GK PTY_GK	N/A	Code Description: TOTAL_GK: Total Saves/ Shots & Conversion Percentage FG_GK: Field saves /shots PC_GK: Penalty corner saves /shots PTY_GK: Penalty stroke saves /shots Element Expected: Always, if the information is available, saves and shots must always be sent at the same time	
	Attribute	M/O	Value	Description
	Value	M	Numeric ###0	Saves
	Attempt	O	Numeric ###0	Shots
	Percent	O	Numeric ##0	Total Conversion percentage Send only for TOTAL_GK
ST	GC	SC@Period	Pos Description: Send proposed pos Element Expected: Always, if the information is available	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Green Cards
ST	YC	SC@Period	Pos Description: Send proposed pos Element Expected: Always, if the information is available	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Yellow Cards
ST	RC	SC@Period	Pos Description: Send proposed pos Element Expected: Always, if the information is available	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Red Cards



ST	POSSESS	N/A	Element Expected: Always, if the information is available
	Attribute	M/O	Value
	Value	M	Numeric ##0
ST	ACP	N/A	Element Expected: Always, if the information is available
	Attribute	M/O	Value
	Value	M	Numeric ##0
ST	VTR	N/A	Element Expected: Always, if the information is available
	Attribute	M/O	Value
	Value	M	Numeric #0
Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
	Attribute	Value	Description
	Code	R	
	Pos	N/A	N/A
	Value	Numeric #0	Refused video referrals
Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
	Attribute	Value	Description
	Code	U	
	Pos	N/A	N/A
	Value	Numeric #0	Upheld video referrals
ST	SUB	N/A	Element Expected: Always, if the information is available
	Attribute	M/O	Value
	Value	M	Numeric #0

Sample (Team Statistics)



```
<StatsItems>
  <StatsItem Type="ST" Code="TOTAL" Pos="TOT" Attempt="5" Value="1" Percent="20" />
  <StatsItem Type="ST" Code="FG" Pos="TOT" Attempt="4" Value="0" />
  <StatsItem Type="ST" Code="PTY" Pos="TOT" Attempt="1" Value="1" />
  <StatsItem Type="ST" Code="TOTAL_GK" Attempt="1" Value="1" Percent="100" />
  <StatsItem Type="ST" Code="MINS" Pos="TOT" Value="70" />
  <StatsItem Type="ST" Code="POSSESS" Value="23:35" />
  <StatsItem Type="ST" Code="ACP" Value="22" />
  <StatsItem Type="ST" Code="VTR" Value="2">
    <ExtendedStat Code="U" Value="1" />
    <ExtendedStat Code="R" Value="1" />
  </StatsItem>
  <StatsItem Type="ST" Code="SUB" Value="40" />
  <StatsItem Type="ST" Code="TOTAL" Pos="H1" Attempt="1" Value="0" Percent="0" />
  <StatsItem Type="ST" Code="FG" Pos="H1" Attempt="1" Value="0" />
  <Stat Type="ST" Code="TOTAL_GK" Attempt="1" Value="1" Percent="100" />
  ...
```

Element: Result /Competitor /Composition /Athlete (0,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 ##0	Order attribute used to sort team members in a team. Before the competition this will be the same as the StartSortOrder and is used as the primary sort. During competition any sort order change from the initial start list order for any competitor will be provided in this attribute.
StartSortOrder	M	Numeric	Order the competitor should appear in the Start List. Start with starters, substitutes and then suspended.
Bib	M	S(2)	Shirt number

Element: Result /Competitor /Composition /Athlete /Description (1,1)			
Athletes extended information.			
Attribute	M/O	Value	Description
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)
Gender	M	CC @PersonGender	Gender of the athlete
Organisation	M	CC @Organisation	Athletes' organisation



BirthDate	O	Date	Birth date (example: YYYY-MM-DD). Must include if the data is available
IFId	O	S(16)	International Federation ID

Element: Result /Competitor /Composition /Athlete /EventUnitEntry (0,N)

Individual athletes entry information.

Type	Code	Pos	Description
EUE	STATUS	N/A	Element Expected: Send just for those suspended players
	Attribute	M/O	Value
	Value	M	SC @AthleteStatus Athlete's status in the team. When the athlete has been Suspended
EUE	CAPTAIN	N/A	Element Expected: Send the code just for the captain (when this information is known)
	Attribute	M/O	Value
	Value	M	S(1) Send "Y" only if the player is captain
EUE	STARTER	N/A	Element Expected: Send just for those Starter players
	Attribute	M/O	Value
	Value	M	S(1) Send "Y" if the competitor is a Starter
EUE	POSITION	N/A	Element Expected: As soon as it is known
	Attribute	M/O	Value
	Value	M	CC @Position Position of the player in the team.

Sample (Athlete)

```
<Athlete Code="1125142" Bib="8" Order="4">
  <Description GivenName="Jane" FamilyName="Smith" Gender="F" Organisation="RSA"
  BirthDate="1992-12-15" />
  <EventUnitEntry Type="EUE" Code="POSITION" Value="M" />
  <EventUnitEntry Type="EUE" Code="CAPTAIN" Value="Y" />
  <EventUnitEntry Type="EUE" Code="STARTER" Value="Y" /
```

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

Type	Code	Pos	Description
	TOTAL	N/A	Code Description:



ST		FG PC PTY		TOTAL: Total Goals/ Shots & Conversion Percentage FG: Field goals/shots PC: Penalty corner goals/shots PTY: Penalty stroke goals/shots Element Expected: Always, if the information is available
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Goals
	Attempt	O	Numeric #0	Shots
	Percent	O	Numeric ##0	Conversion percentage (%) Send only for TOTAL
ST		TOTAL_GK FG_GK PC_GK PTY_GK	N/A	Code Description: TOTAL_GK: Total Saves/ Shots & Conversion Percentage FG_GK: Field saves/shots PC_GK: Penalty corner saves/shots PTY_GK: Penalty stroke saves/shots Element Expected: Always, if the information is available
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Saves
	Attempt	O	Numeric #0	Shots
	Percent	O	Numeric ##0	Conversion percentage (%) Send only for TOTAL_GK
ST		GC	N/A	Element Expected: Always, if the information is available
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Green Cards
ST		YC	N/A	Element Expected: Always, if the information is available
	Attribute	M/O	Value	Description



	Value	M	Numeric #0	Yellow Cards
ST		RC	N/A	Element Expected: Always, if the information is available
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Red Cards
ST		MINS	N/A	Element Expected: Always, if the information is available
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Minutes Played

Sample (Player Statistics)

```
<StatsItems>
  <StatsItem Type="ST" Code="TOTAL" Attempt="4" Value="1" Percent="25" />
  <StatsItem Type="ST" Code="FG" Attempt="3" Value="0" />
  <StatsItem Type="ST" Code="PTY" Attempt="1" Value="1" />
  <StatsItem Type="ST" Code="MINS" Value="66" />
</StatsItems>
```

2.2.4.6 Message Sort

Sort by Result @SortOrder

2.2.5 Play by Play

2.2.5.1 Description

The Play by Play is a message containing official raw data from the results provider for each action.

The message contains a generic definition that can be used to provide results data of different nature as well as all of the actions in a unit.

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	
DocumentSubcode	SC@Period or not sent	Period code if sent for one period only. (Q1, Q2, Q3, Q4 and PSO) If message sent without DocumentSubcode then the message includes the full match.
DocumentType	DT_PLAY_BY_PLAY	Play by Play message
DocumentSubtype	S(8)	Send "ACTION"
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	Status of the message. Possible values are: START_LIST (only used if there are actions before the start) LIVE (used during the competition when nothing else applies) INTERMEDIATE UNOFFICIAL OFFICIAL (when results 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.



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

2.2.5.3 Trigger and Frequency

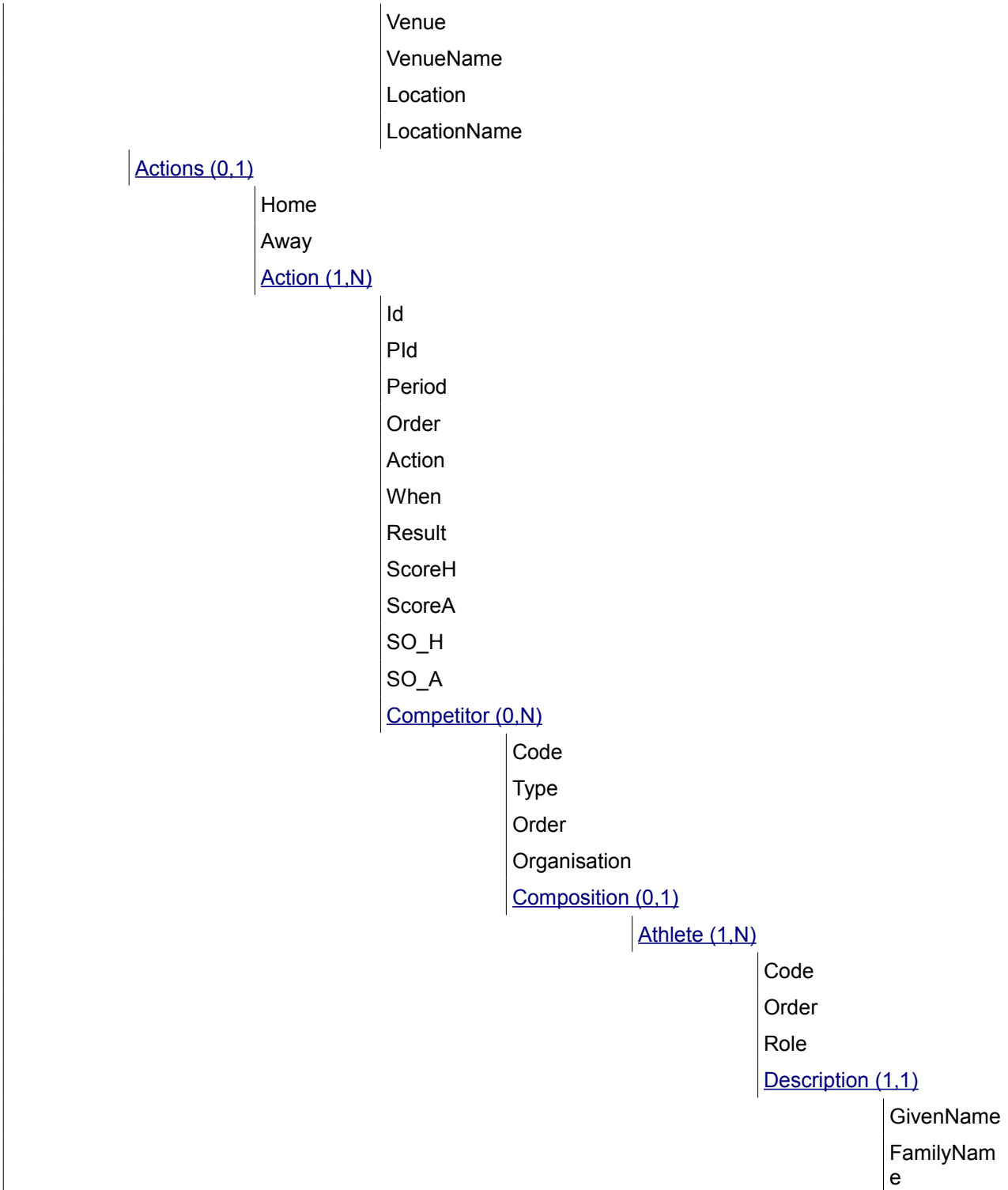
- After every action
- After each period (half).
- After extra time and shoot-out (if any).
- After the match (unit).

The message is sent by period according to the header values and with all periods at the end of the match (OFFICIAL only)

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	Level 8
Competition (0,1)							
	Gen						
	Sport						
	Codes						
	ExtendedInfos (0,1)						
		SportDescription (0,1)					
			DisciplineName				
			EventName				
			SubEventName				
			Gender				
			UnitNum				
		VenueDescription (0,1)					





	Gender
	Organisation
	BirthDate
	IFId

2.2.5.5 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to 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)	EventUnit short name (not code) from Common Codes
Gender	M	CC @DisciplineGender	Gender code for the event unit
UnitNum	O	S(6)	Match 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



Element: Actions (0,1)			
Attribute	M/O	Value	Description
Home	M	S(20) with no leading zeroes	Home Competitor ID
Away	M	S(20) with no leading zeroes	Away Competitor ID

Element: Actions /Action (1,N)			
Attribute	M/O	Value	Description
Id	M	S(36)	Unique identifier for the action within the message
PIId	O	S(36)	If this is a related action then the ID of the original action appears here.
Period	M	SC @Period	Period within the match
Order	M	Numeric	Unique sequential number for all the incidents and actions, from 1 to n. It is used to sort Action
Action	O	SC @Action	Actions in the game, Send one action code The first action of each period should always be 'STARTP'. For Player substituted action (only for goalkeepers) send two Athlete Elements: 1st Player Out (ActionRole=OUT), 2nd Player In (ActionRole=IN).
When	O	mm or mm+	Time in minutes in which the action occurred. Show "+" on time of match for additional time Remove leading zeros. The minutes indicator or + must be included.
Result	O	SC @ResAction	Result of the Action for the player/team
ScoreH	O	Numeric #0	Total Home Score of the game after the action Send if there is a score change for either team
ScoreA	O	Numeric #0	Total Away Score of the game after the action Send if there is a score change for either team
SO_H	O	Numeric #0	Home Score in penalty shootout
SO_A	O	Numeric #0	Away Score in penalty shootout

Element: Actions /Action /Competitor (0,N)			
Competitor participating in the Action. Used when the Action is related to a competitor.			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading	Competitor's ID



		zeroes	
Type	M	T	T for team
Order	O	Numeric	Order in which the competitor should appear for the action, if there is more than one competitor.
Organisation	M	CC @Organisation	Competitors' organisation

Element: Actions /Action /Competitor /Composition /Athlete (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID (individual athlete or team member) related to the action
Order	O	Numeric	Order of the athletes. Used to order the athletes when there are more than one athlete related to the action.
Role	O	SC @ActionRole	Role of the player in the action, according to the available codes. It is specified in the codes section which roles should be used for which actions.

Element: Actions /Action /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 (General)

```
<Action Id="123456" Period="Q1" Order="3" Action="SHOT" When="2:14" Result="GOAL" ScoreH="0"
ScoreA="1" >
  <Competitor Code="HOCWTEAM11----SA01" Type="T" Organisation="RSA" Order="1">
    <Description TeamName="South Africa"/>
    <Composition>
      <Athlete Code="1106655" Order="1" >
        <Description GivenName="Jane" FamilyName="Smith" Gender="F"
Organisation="RSA" BirthDate="1993-05-12" />
      </Athlete>
    </Composition>
  </Competitor>
</Action>
```



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2.2.5.6 Message Sort

Actions /Action @Order.



2.2.6 Current Information

2.2.6.1 Description

The Current message is a message containing the current information in a competition which is live. The message is used to send the latest applicable information and in team with a running clock, also the clock.

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	Full RSC of the unit (match)
DocumentSubcode	Not used	Not used
DocumentType	DT_CURRENT	Current message
DocumentSubtype	Not used	Not used
Version	1..V	Version number associated to the message's content. Ascendant number
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	<p>Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight.</p> <p>If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2).</p> <p>The end of the logical day is defined by default at 03:00 a.m.</p> <p>For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction.</p> <p>Logical Date is expressed in the local time zone where</p>



		the message was produced.
Source	SC @Source	Code indicating the system which generated the message.

2.2.6.3 Trigger and Frequency

- At the start and end of every period (to start/stop clock)
- Immediately after every change in the score including penalty shots.
- Every time the clock starts and stops
- During play i.e. after start and not during breaks in play, every 5 minutes after the last DT_CURRENT message when there is no other activity triggering this message.

2.2.6.4 Message Structure

The following table defines the structure of the message.

Level 1	Level 2	Level 3	Level 4
Competition (0,1)	Gen Sport Codes Clock (0,1)	Period Time Running	
	Result (0,N)	Result SortOrder StartSortOrder ResultType	
		Competitor (1,N)	Code Type Organisation

2.2.6.5 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description



Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: Clock (0,1)

Clock Information

Attribute	M/O	Value	Description
Period	O	SC @Period	Current Period
Time	M	mm:ss	Value of the clock
Running	M	S(1)	Indicates if the clock is currently running. Y to indicate the clock is running, N to indicate the clock is stopped.

Sample (General)

```
<Competition>
  <Clock Period="Q2" Time="1:34" Running="Y" />
```

Element: Result (0,N)

Attribute	M/O	Value	Description
Result	O	Numeric ##0	Score of the team
SortOrder	M	Numeric	This attribute is a sequential number with the order of the First named (1) and the Visitor (2)
StartSortOrder	M	Numeric	Same @SortOrder
ResultType	O	SC @ResultType	Result type, either points or IRM with points for the corresponding event unit.

Element: Result /Competitor (1,N)

Competitor related to the result of one event unit.

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



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2.2.6.6 Message Sort

Sort by Period @Code.

2.2.7 Image

2.2.7.1 Description

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

In hockey it is used to send the images of the team uniforms.

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	Discipline RSC	Full RSC at discipline level
DocumentSubcode	Competitor ID	Competitor ID of the team, for example HOCMTEAM11--CAN01
DocumentType	DT_IMAGE	Image message
DocumentSubtype	S(20)	Send UNIFORM
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.

2.2.7.3 Trigger and Frequency

Trigger when available and after any change.

2.2.7.4 Message Structure

The following table defines the structure of the message.

Level 1	Level 2	Level 3	Level 4
Competition (0,1)	Gen Sport Codes Image (1,N)	Pos Version Revision ImageType ImageData (1,1)	-

2.2.7.5 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: Competition /Image (1,N)



Attribute	M/O	Value	Description
Pos	M	Numeric #0	Used as the differentiator for multiple images in the message. It is used for each uniform included. NOTE: The values used here MUST match the Pos values used in DT_PARTIC_TEAMS Team /Discipline /RegisteredEvent /EventEntry @ENTRY/UNIFORM so the colour description and image are aligned.
Version	M	Numeric #0	Document Version
Revision	M	Numeric #0	Document Revision
ImageType	M	S(3)	Image type extension, use png

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 png file)

Sample (General)

```

<Image Pos="1" Version="1" Revision="0" ImageType="png" >
  <ImageData>/9j/4AAQSkZJRgABAQEAAAAAAAA
  Lj5OXm5+jp6vHy8/T+uit//2Q==</ImageData>
</Image>
<Image Pos="2" Version="1" Revision="0" ImageType="png" >
  <ImageData>/9j/4AAddddRgABAQEAAAAAAAA
  Lj5OXm5+jp6vHy8/T+uit//2Q==</ImageData>
</Image>
....

```

2.2.7.6 Message Sort

Sort by Competition /Image /Pos.

2.2.8 Pool Standings

2.2.8.1 Description

The pool standings message contains the standings of a group in a competition. It is similar to the Phase Results message, except in the frequency and trigger. Here the message is triggered at the start of OVR operations and then after each event unit (game, match, etc.).

This report is sent independently for each of the groups / pools of the competition in a particular phase, and the group / pool can be determined from the message header (DocumentCode).

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 (for the group)	RSC for the pool/group
DocumentSubcode	Not used in HOC	Not used in HOC
DocumentType	DT_POOL_STANDING	Pool Standings message
DocumentSubtype	Not used in HOC	Not used in HOC
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	Status of the message. Expected statuses are: START_LIST (before the start of competition) INTERMEDIATE (during the phase) UNOFFICIAL (if last match is unofficial) OFFICIAL (after all matches official)
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.
LogicalDate	Date	Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight. If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2).



		<p>The end of the logical day is defined by default at 03:00 a.m.</p> <p>For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction.</p> <p>Logical Date is expressed in the local time zone where the message was produced.</p>
Source	SC @Source	Code indicating the system which generated the message.

2.2.8.3 Trigger and Frequency

The general rule is that this message is sent:

- * Before the start of the competition to build in the initial tables. The message has status START_LIST.
- * When an event unit of the corresponding phase finishes (not waiting for official). The message has status INTERMEDIATE.
- * When the phase finishes (there are no more event units/games to compete). The message has status OFFICIAL

Trigger also after any change.

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	Level 6
Competition (0,1)					
	Gen				
	Sport				
	Codes				
	ExtendedInfos (0,1)				
		Progress (0,1)			
			LastUnit		
			UnitsTotal		
			UnitsComplete		
		SportDescription (0,1)			
			DisciplineName		
			EventName		
			SubEventName		



		Gender
Result (1,N)		
	Rank	
	RankEqual	
	ResultType	
	Result	
	IRM	
	SortOrder	
	Won	
	Lost	
	Tied	
	Played	
	For	
	Against	
	Diff	
	Competitor (1,1)	
		Code
		Type
		Organisation
		Description (0,1)
		TeamName
	Opponent (0,N)	
		Code
		Type
		Pos
		Organisation
		Date
		Time
		Result
		Unit
		HomeAway
		Description (0,1)
		TeamName



2.2.8.5 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: ExtendedInfos /Progress (0,1)			
Attribute	M/O	Value	Description
LastUnit	O	CC @Unit	Send the full RSC of the most recently unit made official for the pool included in this message.
UnitsTotal	O	Numeric ##0	Total number of units (games) to be played in the pool included in the message.
UnitsComplete	O	Numeric ##0	Total number of units (games) which are official in the pool included in this 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)	Text short description of the Event Phase, not code
Gender	M	CC @DisciplineGender	Gender code for the event unit

Element: Result (1,N)			
For any message, there should be at least one competitor being awarded a result for the pool.			
Attribute	M/O	Value	Description
Rank	O	Text	Rank at the group. It is optional because the team can be disqualified
RankEqual	O	S(1)	Send "Y" if the Rank is equaled else do not send.
ResultType	M	SC @ResultType	Result type, either points or IRM with points obtained by the competitor at all the games of the group



Result	O	Numeric #0	Send the classification points a team has accrued during the pool stage. Optional as not available before the competition.
IRM	O	SC @IRM	IRM Send just in the case @ResultType is points and IRM.
SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the group, if they were to be presented. It is mostly based on the rank, but it should be used to sort out disqualified teams.
Won	O	Numeric #0	Number of games won by the team in the group. Do not send if the team has not played.
Lost	O	Numeric #0	Number of games lost by the team in the group. Do not send if the team has not played.
Tied	O	Numeric #0	Number of games tied by the team in the group. Do not send if the team has not played.
Played	O	Numeric #0	Number of games played by the team in the group. Send 0 if the team has not played.
For	O	Numeric #0	Total number of goals for. Do not send if the team has not played.
Against	O	Numeric #0	Total number of goals against. Do not send if the team has not played.
Diff	O	Numeric #0 or Numeric -#0	Goals difference, between goals for and goals against. Do not send if the team has not played.

Element: Result /Competitor (1,1)

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Competitor's ID
Type	M	S(1)	T for team
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.



Element: Result /Competitor /Opponent (0,N)				
Details of the opposing competitor in competitions within the pool. (The Opponent of the competitor in the Opponent @Pos column of the Pool)				
Type	Code	Pos	Description	
T for team	S(20) with no leading zeroes	Numeric	Code Description: Competitor ID or TBD if unknown Pos Description: 1 to n. Normally expected to be the same as SortOrder for the same competitor. Element Expected: Always	
Attribute	M/O	Value	Description	
Organisation	M	CC @Organisation	Competitor's organisation (code). Must include if the data is available	
Date	M	Date	Date of match between the competitor and opponent (example: YYYY-MM-DD). Must include if the data is available, send even after the match is complete.	
Time	O	S(5)	Time of match (example HH:MM) Must include if the data is available.	
Unit	O	CC @Unit	Full RSC of the Unit for the Pool Item	
HomeAway	O	S(1)	Home / Away indicator. Send H if the opponent is the home team, send A if the opponent is the away team.	
Result	O	S(50)	Result of the match if match is complete and formatted as in ORIS (separator & order, example 5-2). Must include if the data is available and the match is complete. The order of the result data is relative to the competitor and may be reversed for other competitor or depending on home/away display rules.	

Element: Result /Competitor /Opponent /Description (0,1)				
Competitors extended information.				
Attribute	M/O	Value	Description	
TeamName	M	S(73)	Name of the opposition team.	

Sample (General)



```
<Result Rank="3" ResultType="POINTS" Result="1" SortOrder="3" Played="2" Won="1" Tied="0" Lost="1"
For="3" Against="3" Diff="0">
  <Competitor Code="HOCMTEAM11----EGY01" Type="T" Organisation="EGY">
    <Description TeamName="Egypt"/>
    <Opponent Code="HOCMTEAM11----BRA01" Type="T" Pos="1" Organisation="BRA"
Date="2012-07-27" Time="14:00" Unit="HOCMTEAM11-----GPA-000200--" HomeAway="H"
Result="2:0">
      <Description TeamName="Brazil"/>
    </Opponent>
    <Opponent Code="HOCMTEAM11----BLR01" Type="T" Pos="2" Organisation="BLR"
Date="2012-08-01" Time="09:00" Unit="HOCMTEAM11-----GPA-000400--" HomeAway="A" >
      <Description TeamName="Belarus"/>
    </Opponent>
    <Opponent Code="HOCMTEAM11----NZL01" Type="T" Pos="4" Organisation="NZL"
Date="2012-07-29" Time="09:00" Unit="HOCMTEAM11-----GPA-000500--" HomeAway="A"
Result="1:3">
      <Description TeamName="New Zealand"/>
    </Opponent>
  </Competitor>
</Result>
```

2.2.8.6 Message Sort

The attribute used to sort the results is Result @SortOrder.

2.2.9 Brackets

2.2.9.1 Description

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

2.2.9.2 Header Values

The following table describes the message header attributes.

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



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

2.2.9.3 Trigger and Frequency

- Before the competition (START_LIST).
- After every match in the preliminaries which determines a position in the bracket.
- After every match during final phases.

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	Level 6	Level 7	Level 8
Competition (0,1)							
	Gen						
	Sport						
	Codes						
	ExtendedInfos (0,1)						
		Progress (0,1)					
			LastUnit				
			UnitsTotal				
			UnitsComplete				
		SportDescription (0,1)					
			DisciplineName				
			EventName				
			Gender				
	Bracket (1,N)						
		Code					
		BracketItems (1,N)					
			Code				
			BracketItem (1,N)				
				Code			
				Order			



Position	
Date	
Time	
Unit	
Result	
CompetitorPlace (1,N)	
Pos	
Code	
WLT	
Result	
IRM	
StrikeOut	
PreviousUnit (0,1)	
Unit	
Value	
WLT	
Competitor (0,1)	
Code	
Type	
Organisation	
Description (0,1)	
TeamName	

2.2.9.5 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: ExtendedInfos /Progress (0,1)			
Attribute	M/O	Value	Description



LastUnit	O	CC @Unit	Send the full RSC of the most recently completed unit in the event.
UnitsTotal	O	Numeric ##0	Total number of units to be played in the event
UnitsComplete	O	Numeric ##0	Total number of units which are official of the UnitsTotal.

Element: ExtendedInfos /SportDescription (0,1)

Sport Description in Text

Attribute	M/O	Value	Description
DisciplineName	M	S(40)	Discipline name (not code) from Common Codes
EventName	M	S(40)	Event name (not code) from Common Codes.
Gender	M	CC @DisciplineGender	Gender code for the event unit

Element: Bracket (1,N)

Attribute	M/O	Value	Description
Code	M	SC @Bracket	Bracket code to identify a bracket item. One for each individual bracket as defined in ORIS.

Element: Bracket /BracketItems (1,N)

Attribute	M/O	Value	Description
Code	M	SC @BracketItems	Bracket code to identify a set of bracket items. The quarterfinals, semifinals or finals phases etc.

Element: Bracket /BracketItems /BracketItem (1,N)

Attribute	M/O	Value	Description
Code	O	S(6)	Game number for each bracket item (e.g.: 17, 18, 19, 20...)
Order	M	Numeric	Sequential number inside of BracketItems to indicate the order, always start at 1
Position	M	Numeric #0	Bracket position when drawing the bracket. For example a quarter final has 4 items, with positions 1, 2, 3 and 4 from the top. Use the appropriate number to draw the position.
Date	O	Date	YYYY-MM-DD. Must be filled if known
Time	O	S(5)	HH:MM. Must be filled if known
Unit	O	CC @Unit	Full RSC of the unit for the BracketItem



Result	O	S(50)	Fill when match is complete, filled and formatted in the same format as in ORIS. If the match is cancelled, "Cancelled" should be sent.
--------	---	-------	--

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

- If the competitors are known, this element is used to place the competitors in the bracket.
- If they are not yet known, it contains some information (on the rule to access to this bracket...)

Attribute	M/O	Value	Description
Pos	M	Numeric 0	This attribute is a sequential number to place the different competitors in the bracket (1 or 2).
Code	O	SC @CompetitorPlace	It will be sent when there is no competitor team (BYE) or when it is not known yet (TBD).
WLT	O	SC @WLT	W or L, indicates the winner or loser of the bracket item. Always send when known
Result	O	S(10)	The result (score) of the competitor in the event unit
IRM	O	SC @IRM	The invalid rank mark, if applicable
StrikeOut	O	S(1)	If the competitor should be struck out in this bracket item send Y, usually only used for DQB.

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

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

Attribute	M/O	Value	Description
Unit	O	CC @Unit	Full RSC code of the previous event unit for the CompetitorPlace@Pos competitor of the bracket item. Must send if a winner/loser from a single unit. If from a pool then this is the RSC of the pool.
Value	O	SC @Pool or S(6)	If the competitor in the current unit is unknown due to coming from a pool or previous matches then fill this field with the pool code or the match number as appropriate.
WLT	O	S(1)	Send W or L for winner or loser of previous match (if not Pool) do not send if participant is unknown from a pool.

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

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



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

Element: Bracket /BracketItems /BracketItem /CompetitorPlace /Competitor /Description (0,1)			
Attribute	M/O	Value	Description
TeamName	M	S(73)	Name of the team.

Sample (General)

```
<Bracket Code="FNL">
  <BracketItems Code="SFL">
    <BracketItem Code="33" Order="1" Position="1" Date="2012-08-10" Time="15:00"
Unit="HOCWTEAM11-----SFNL000100--" >
      <CompetitorPlace Pos="1">
        <Competitor Code="HOCWTEAM11----NED01" Type="T"
Organisation="NED">
          <Description TeamName="Netherlands"/>
        </Competitor>
      </CompetitorPlace>
      <CompetitorPlace Pos="2">
        <Competitor Code="HOCWTEAM11----NZL01" Type="T"
Organisation="NZL">
          <Description TeamName="New Zealand"/>
        </Competitor>
      </CompetitorPlace>
    </BracketItem>
```

2.2.9.6 Message Sort

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

2.2.10 Statistics

2.2.10.1 Description

The Statistics message contains a list of statistics for a competitor (could be an individual athlete or a team), that applies at a DocumentCode level, which could be for an event unit, a phase or an event.

There will be a separate message (identified by the header's DocumentSubtype and DocumentSubcode) for every table where multiple statistics apply.

2.2.10.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC	Depending on the statistics is could be at any level though is always full RSC.
DocumentSubcode	S(4)	The DocumentSubcode is the NOC concatenated with the Team Number if needed, e.g. BRA1. Concatenation will happen only when a NOC has more than one team. The DocumentSubcode is used only in case DocumentSubtype is "CUM"
DocumentType	DT_STATS	Statistics message
DocumentSubtype	CUM TOU IND_RANKING	CUM: For cumulative data of individual player statistics and team statistics. There will be one single message for each team. TOU: For Tournament statistics (like Tournaments Total statistics) IND_RANKING: Ranking of individual tournament statistics, for the best athletes.
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	It indicates whether the result is official or intermediate etc). LIVE (used during the competition when nothing else applies) INTERMEDIATE (used after the competition has started and is not finished but not currently live, typically between units) OFFICIAL (after the last unit which effects the statistics 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	<p>Logical Date of events. This is the same as the physical day except when the unit or message transmission extends after midnight.</p> <p>If an event unit continues after midnight (24:00), all messages produced will be considered as happening at the logical date on which the event unit began (e.g. for a session which began at 21:00 on Aug 2 and ended at 1:20 on Aug 3, the message will all be dated Aug 2).</p> <p>The end of the logical day is defined by default at 03:00 a.m.</p> <p>For messages corrections, like invalidating medals or Records, it will be the LogicalDate of the day of the correction.</p> <p>Logical Date is expressed in the local time zone where the message was produced.</p>
Source	SC @Source	Code indicating the system which generated the message.

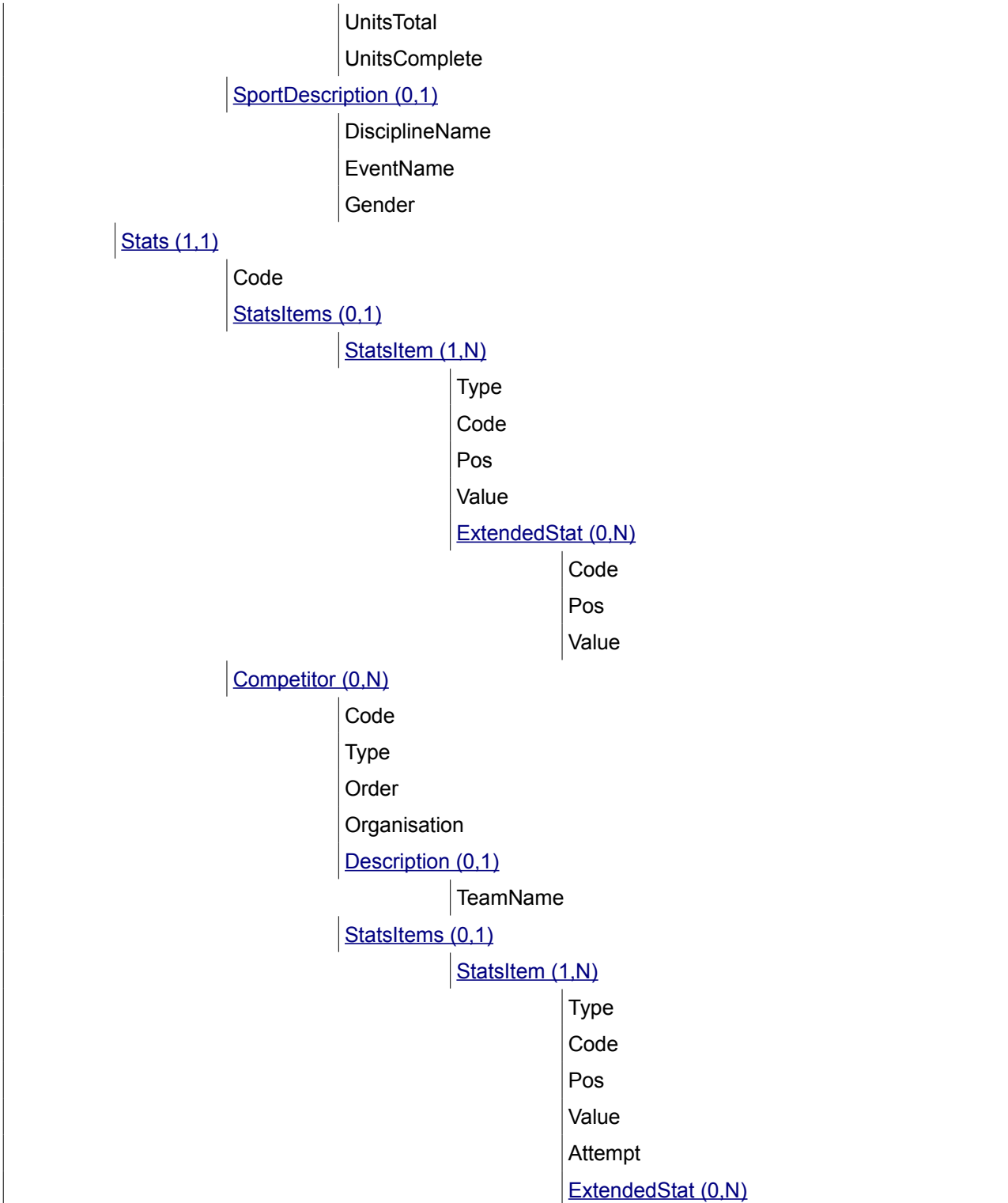
2.2.10.3 Trigger and Frequency

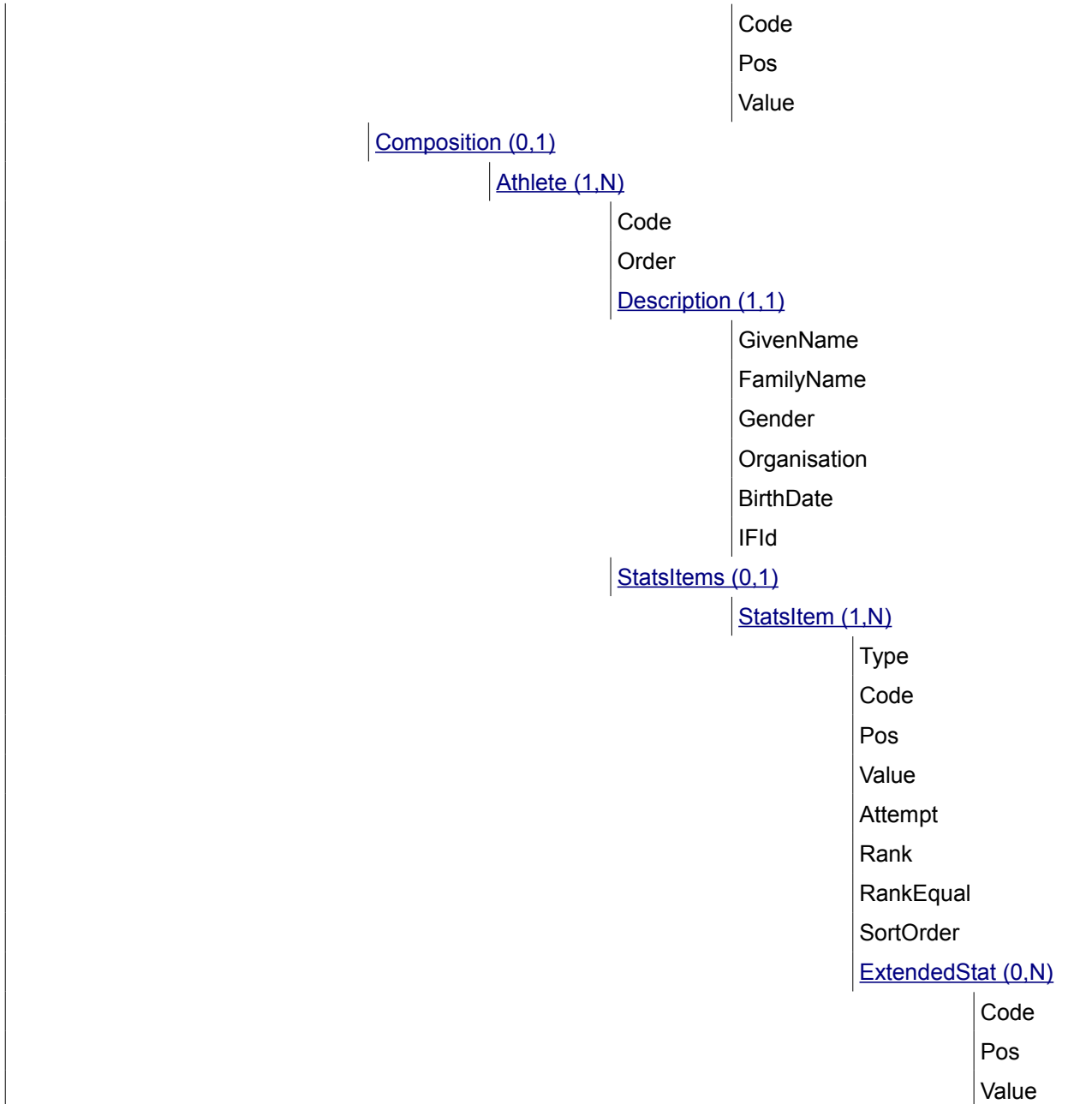
After each match

2.2.10.4 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)								
	Gen							
	Sport							
	Codes							
	ExtendedInfos (0,1)							
		Progress (0,1)						
			LastUnit					





2.2.10.5 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable



			to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: ExtendedInfos /Progress (0,1)

Attribute	M/O	Value	Description
LastUnit	O	CC @Unit	Send the RSC of the most recently unit made official. For CUM which only includes one team then it is the last unit for that team. Send after at least one unit is complete for the CUM and IND_RANKING messages
UnitsTotal	O	Numeric ##0	The total number of units (games) to be played. For CUM which only includes one team then it is the total units for that team. Send in the CUM and IND_RANKING messages
UnitsComplete	O	Numeric ##0	The total number of units (games) which are official. For CUM which only includes one team then it is the total complete units for that team. Send in the CUM and IND_RANKING messages

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	O	S(40)	Event name (not code) from Common Codes.
Gender	O	CC @DisciplineGender	Gender code for the event unit

Element: Stats (1,1)

Attribute	M/O	Value	Description
Code	M	SC @Statistics	A code to identify the statistics being listed.

Element: Stats /StatsItems /StatsItem (1,N)

Statistics for the event unit / phase or event - depending on the headers' DocumentCode.

Type	Code	Pos	Description
ST	TOTAL FG PC PTY	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=TOU



	Attribute	M/O	Value	Description
	Value	M	Numeric ###0	Send the total number of Goals, Field Goals, Penalty Corners (PC), Penalty Strokes (PTY).
ST		GC	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=TOU
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Green Cards
ST		YC	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=TOU
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Yellow Cards
ST		RC	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=TOU
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Red Cards
ST		VTR	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=TOU
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Video Team Referral
Sub Element: Stats /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available for the DocumentSubtype=TOU				
	Attribute	Value	Description	
	Code	R		
	Pos	N/A	N/A	
	Value	Numeric #0	Total Video Team Referral Refused	
Sub Element: Stats /StatsItems /StatsItem /ExtendedStat				



Expected: Always, if the information is available for the DocumentSubtype=TOU			
Attribute	Value	Description	
Code	U		
Pos	N/A	N/A	
Value	Numeric #0	Total Video Team Referral Upheld	
ST	SUB	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=TOU
Attribute	M/O	Value	Description
Value	M	Numeric #0	Number of Substitutions

Sample (General)

```
<Stats Code="TOU">
  <StatsItems>
    <StatsItem Type="ST" Code="TOTAL" Value="185"/>
    <StatsItem Type="ST" Code="FG" Value="109" />
    <StatsItem Type="ST" Code="PC" Value="69" />
    <StatsItem Type="ST" Code="PTY" Value="7" />
    <StatsItem Type="ST" Code="GC" Value="82" />
    <StatsItem Type="ST" Code="YC" Value="26" />
  ...
  </StatsItems>
</Stats>
```

Element: Stats /Competitor (0,N)

Competitor of the statistics.

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Competitor's ID to be assigned a specific type of statistic.
Type	M	S(1)	T for team
Order	M	Numeric ##0	For each team: 1 - Team NOC code; sort disqualified teams to the bottom of the list
Organisation	O	CC @Organisation	Competitor's organisation if known

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

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



Element: Stats /Competitor /StatsItems /StatsItem (1,N)				
Team competitor's stats item, according to competitors' rules.				
Type		Code	Pos	Description
ST		MP	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Matches Played
ST		IRM	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value	Description
	Value	M	SC @IRM	IRM code (Disqualification indicator)
ST		TOTAL FG PC PTY	Numeric #	Pos Description: Send 1 only for Against, do not send for the current team. Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value	Description
	Value	M	Numeric ###0	Send total number of goals, Field Goals (FG), Penalty Corner (PC), Penalty Strokes (PTY).
	Attempt	O	Numeric ###0	Send number of TOTAL shots, Field Goals shots (FG), Penalty Corner shots (PC) and Penalty Strokes shots (PTY).
ST		GC	Numeric #	Pos Description: Send 1 only for Against, do not send for current team. Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Green Cards
		YC	Numeric	Pos Description:



ST			#	Send 1 only for Against, do not send for current team. Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Yellow Cards
ST		RC	Numeric #	Pos Description: Send 1 only for Against, do not send for current team. Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Red Cards
ST		TOTAL_GK FG_GK PC_GK PTY_GK	Numeric #	Pos Description: Send 1 only for Against, do not send for current team. Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value	Description
	Value	M	Numeric ###0	Send number of TOTAL_GK goals, Field Goals (FG_GK), Penalty Corner (PC_GK) and Penalty Strokes (PTY_GK) saved by the Goalkeeper.
	Attempt	O	Numeric ###0	Send number of TOTAL_GK goals, Field Goals (FG_GK), Penalty Corner (PC_GK) and Penalty Strokes (PTY_GK) attempted.
ST		ACP	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0	Total attacking circle penetrations



ST		SUB	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value	Description
	Value	M	Numeric ##0	Substitutions for the competitor
ST		VTR	N/A	Element Expected: Always, if the information is available
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Video Team Referrals for the competitor
Sub Element: Stats /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available				
	Attribute	Value	Description	
	Code	U		
	Pos	N/A	N/A	
	Value	Numeric #0	Upheld video referrals	

Sample (General)

```
<StatsItems>
  <StatsItem Type="ST" Code="MP" Value="7" />
  <StatsItem Type="ST" Code="TOTAL" Attempt="49" Value="20" />
  <StatsItem Type="ST" Code="FG" Attempt="30" Value="15" />
  <StatsItem Type="ST" Code="PTY" Attempt="15" Value="5" />
  <StatsItem Type="ST" Code="TOTAL" Pos="1" Value="14" />
  <StatsItem Type="ST" Code="FG" Pos="1" Value="8" />
  <StatsItem Type="ST" Code="PTY" Pos="1" Value="6" />
  <StatsItem Type="ST" Code="GC" Value="9" />
  <StatsItem Type="ST" Code="GC" Pos="1" Value="3" />
  <StatsItem Type="ST" Code="YC" Pos="1" Value="1" />
  <StatsItem Type="ST" Code="TOTAL_GK" Attempt="49" Value="35" />
  <StatsItem Type="ST" Code="FG_GK" Attempt="35" Value="27" />
  <StatsItem Type="ST" Code="TOTAL_GK" Pos="1" Attempt="67" Value="47" />
  <StatsItem Type="ST" Code="FG_GK" Pos="1" Attempt="54" Value="39" />
</StatsItems>
```

Element: Stats /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	Sort order: Within the team by athlete @Code
-------	---	----------------	--

Element: Stats /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: Stats /Competitor /Composition /Athlete /StatsItems /StatsItem (1,N)			
Team member's stats item			
Type	Code	Pos	Description
ST	OPPONENT	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value
	Value	M	CC @Organisation Send the NOC of the opponent competitor
	Sub Element: Stats /Competitor /Composition /Athlete /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available for the DocumentSubtype=CUM		
	Attribute	Value	Description
	Code	STARTER	
	Pos	N/A	N/A
	Value	SC @StartingCode	Send the proposed Code if the player was a starter
ST	MP	N/A	Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value
	Value	M	Numeric #0 Total Matches Played
ST	STATUS	N/A	Element Expected: Always, if the information is



				available for the DocumentSubtype=CUM
	Attribute	M/O	Value	Description
	Value	M	SC @IRM	IRM code (disqualification code)
ST		TOTAL FG PC PTY	N/A	Code Description: TOTAL: Total goals/shots FG: Field goals/shots PC: Penalty corners goals/shots PTY: Penalty strokes goals/shots Element Expected: Always, if the information is available for the DocumentSubtype=CUM and IND_RANKING
	Attribute	M/O	Value	Description
	Value	M	Numeric ###0	Goals
	Attempt	O	Numeric ###0	Shots (only for CUM)
	Rank	O	Numeric ###0	Rank of the competitor
	RankEqual	O	S(1)	Send Y where Rank is Equaled else not sent.
	SortOrder	O	Numeric ###0	Sort Order for @Rank
ST		TOTAL_GK FG_GK PC_GK PTY_GK	N/A	Code Description: TOTAL_GK: Total GK saves/shots FG_GK: Field goal GK saves/shots PC_GK: Penalty corner GK saves/shots PTY_GK: Penalty stroke GK saves/shots Element Expected: Always, if the information is available for the DocumentSubtype=CUM
	Attribute	M/O	Value	Description
	Value	M	Numeric ###0	Saved
	Attempt	O	Numeric ###0	Shots at goal
ST		CARDS	N/A	Element Expected: Always, if the information is



			available for the DocumentSubtype=CUM
Sub Element: Stats /Competitor /Composition /Athlete /StatsItems /StatsItem /ExtendedStat Expected:			
Attribute	Value	Description	
Code	GC YC RC		
Pos	N/A	N/A	
Value	Numeric #0	Total Green, Yellow and Red Cards	

Sample (Athlete)

```

<Athlete ...>
...
  <StatsItems>
    <StatsItem Type="ST" Code="MP" Value="7"/>
    <StatsItem Type="ST" Code="OPPONENT" Value="HOCMTEAM11----BEL01">
      <ExtendedStat Code="STARTER" Value="X" />
    </StatsItem>
    <StatsItem Type="ST" Code="OPPONENT" Value="HOM400KOR01">
      <ExtendedStat Code="STARTER" Value="X" />
    </StatsItem>
...
    </StatsItem>
    <StatsItem Type="ST" Code="OPPONENT" Value="HOCMTEAM11----NED01">
      <ExtendedStat Code="STARTER" Value="X" />
    </StatsItem>
    <StatsItem Type="ST" Code="TOTAL" Attempt="1" Value="1" />
    <StatsItem Type="ST" Code="PC" Attempt="1" Value="1"/>
    <StatsItem Type="ST" Code="CARDS">
      <ExtendedStat Code="GC" Value="1" />
    </StatsItem>
  </StatsItems>
</Athlete>

```

2.2.10.6 Message Sort

Sort according to the @Order attributes.

2.2.11 Event Final Ranking

2.2.11.1 Description

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

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

2.2.11.2 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	Full (34) RSC of the 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.

2.2.11.3 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.

* After each final position is known.

2.2.11.4 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)						
	Gen					
	Sport					
	Codes					
	ExtendedInfos (0,1)					
		Progress (0,1)				
			LastUnit			
			UnitsTotal			
			UnitsComplete			
		SportDescription (0,1)				
			DisciplineName			
			EventName			
			Gender			
	Result (1,N)					
		Rank				
		RankEqual				
		Played				
		Won				
		Lost				
		Tied				



IRM			
SortOrder			
Competitor (1,1)			
	Code		
	Type		
	Organisation		
	Description (0,1)		
		TeamName	
	Composition (1,1)		
		Athlete (0,N)	
			Code
			Order
			Bib
			Description (1,1)
			GivenName
			FamilyName
			Gender
			Organisation
			BirthDate
			IFId

2.2.11.5 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to the message
Codes	O	S(20)	Version of the Codes applicable to the message

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



UnitsTotal	O	Numeric ##0	Total number of units to be played in the event
UnitsComplete	O	Numeric ##0	Total number of units which are official of the UnitsTotal.

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)	Text short description, not code
Gender	M	CC @DisciplineGender	Gender code for the event unit.

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	Text	Rank of the competitor in the result. It is optional because the team can be disqualified
RankEqual	O	S(1)	Send "Y" if the Rank is equaled else do not send.
Played	O	Numeric #0	Send number of matches played
Won	O	Numeric #0	Send number of matches won
Lost	O	Numeric #0	Send number of matches lost
Tied	O	Numeric #0	Send number of matches tied
IRM	O	SC @IRM	Send just if the team has been disqualified
SortOrder	M	Numeric	This attribute is a sequential number with the order of the competitors at the end of the event, if they were to be presented. It is mostly based on the rank, but it should be used to sort out disqualified teams.

Element: Result /Competitor (1,1)

Competitor related to one final event result.

Attribute	M/O	Value	Description
Code	M	S(20) with no leading	Competitor's ID.



		zeroes, NOC 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	S(1)	T for team
Organisation	O	CC @Organisation	Organisation of the competitor

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

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

Element: Result /Competitor /Composition /Athlete (0,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
Bib	O	S(2)	Shirt number

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

Sample (General)

```
<Result Rank="1" SortOrder="1" Played="8" Won="8" Lost="0" Tied="0" >
  <Competitor Code="HOCMTEAM11----CRO01" Type="T" Organisation="CRO">
    <Description TeamName="Croatia"/>
    <Composition>
      <Athlete Code="1085534" Order="1" Bib="12" >
```

2.2.11.6 Message Sort

Sort by Result @SortOrder



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2.2.12 Weather conditions

2.2.12.1 Description

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

2.2.12.2 Header Values

The following table describes the message header attributes.

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

2.2.12.3 Trigger and Frequency

The message is sent

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

2.2.12.4 Message Structure

The following table defines the structure of the message.

Level 1	Level 2	Level 3	Level 4	Level 5
Competition (0,1)	Gen Sport Codes Weather (1,1)	Date Conditions (1,N)	Code Humidity Wind_Direction Condition (0,3)	Code Value Temperature (0,N) Code Unit Value

2.2.12.5 Message Values

Element: Competition (0,1)			
Attribute	M/O	Value	Description
Gen	O	S(20)	Version of the General Data Dictionary applicable to the message
Sport	O	S(20)	Version of the Sport Data Dictionary applicable to



			the message
Codes	O	S(20)	Version of the Codes applicable to the message

Element: Weather (1,1)

Attribute	M/O	Value	Description
Date	M	DateTime	Date/time of the conditions

Element: Weather /Conditions (1,N)

Attribute	M/O	Value	Description
Code	M	GEN	GEN for general, because this information will only be measured once.
Humidity	O	Numeric ##0	Humidity in %
Wind_Direction	O	CC @WindDirection	Wind direction

Element: Weather /Conditions /Condition (0,3)

Send three times in the case of Winter conditions.

Attribute	M/O	Value	Description
Code	M	SKY	Weather conditions type
Value	M	CC @WeatherConditions	Codes that describe the Weather Condition, they depend on the @Code

Element: Weather /Conditions /Temperature (0,N)

Send with different @Code in the case of winter conditions as needed.

Attribute	M/O	Value	Description
Code	M	AIR	Air
Unit	M	SC @TemperatureUnit	Metric system unit for temperature
Value	M	Numeric #0	Temperature in centigrade degrees (in case of positive temperature, do not send '+')

2.2.12.6 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

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	15 October 2016	First Version	
V1.1	23 November 2016	Updated	
V1.2	9 January 2017	Updated with feedback	
V1.3	2 March 2017	Updated	
V1.4	24 March 2017	Updated	
V1.5	1 August 2017	Updated	
V1.6	25 August 2017	Updated	
V1.7	4 December 2017	Updated	
V1.8	20 February 2018	Updated	
V1.9	22 April 2018	Updated	
V2.0	8 August 2018	Updated	
V2.1	25 October 2018	Updated	
V2.2	24 January 2019	Updated	
V2.3	25 February	Updated	



	2019	
V2.4	18 April 2019	Updated
V2.5	14 August 2019	Updated
V2.6	11 Nov 2019	Updated
V2.7	14 Feb 2020	Updated
V2.8	13 Mar 2020	Updated

File Reference: SOG-2020-HOC-2.8 APP

Change Log		
Version	Status	Changes on version
V1.0	SFR	First version
V1.1	SFR	DT_RESULTS: Remove PreviousResults DT_CURRENT: Remove Results element to remove some redundancy and minimize the message.
V1.2	SFA	DT_STATS: Clarified when the match information is sent in ExtendedInfos
V1.3	APP	DT_RESULT: Remove StartListMod from the header DT_POOL_STANDING: Remove DocumentSubtype from the header
V1.4	APP	DT_POOL_STANDING: Remove ExtendedInfos\VenueDescription DT_BRACKETS: Remove ExtendedInfos\VenueDescription
V1.5	APP	Added Youth OG
V1.6	APP	DT_BRACKETS: Typo correction "Cancelled"
V1.7	APP	DT_STATS: Add goals data in IND_RANKING message.
V1.8	APP	DT_PARTIC: Updated to add Passport names (CR15219) Minor typographical corrections
V1.9	APP	DT_PLAY_BY_PLAY: Add Pid for consistency with other sports.
V2.0	SFA	DT_PLAY_BY_PLAY: Updated to send by Period Removed references to YOG & Commonwealth Games CR 15039: Add DT_PARTIC_NAME to applicable messages. CR 16671: Add TVFamilyName in DT_PARTIC message. CR16537: Add ExtendedInfos/Progress to pool standings and statistics to replace the previous extensions. CR 16628: DT_BRACKETS: Add attributes to remove some extensions. Clarify previous unit.
V2.1	APP	Add DT_IMAGE DT_RESULT: Add Pos for EUE/UNIFORM DT_PARTIC_TEAMS: Add the possibility of three uniform colours. DT_STATS: In Stats /Competitor /StatsItems /StatsItem remove the extension GOALS



		for teams as it is redundant. Editorial improvements without changing the meaning.
V2.2	APP	CR16914: Change DT_WEATHER message to venue level. CR16928: Move extensions to attribute to simplify. DT_RESULT and DT_STATS. Correct error in the header of the DT_IMAGE message Clarifications in stats ordering (aligning with implementation)
V2.3	APP	CR17224: DT_STATS: Add more team level stats, ACP, SUB, VTR
V2.4	APP	CR17283: Add Progress element in DT_RANKING & DT_BRACKETS. CR17384: Add UnitNum @ExtendedInfos/SportDescription in DT_PLAY_BY_PLAY DT_RESULT: Remove MINS from Team Stats DT_STATS: Removed athlete attempts for TOTAL, FG, PC & PTY for IND_RANKING Removed all references to GC_GK, YC_GK, RC_GK
V2.5	APP	CR16640: Add ODF Version @Competition CR17739: Change Name and TVTeamName to mandatory in DT_PARTIC_TEAMS CR17809: Change Participant/OlympicSolidarity to disallow N
V2.6	APP	CR18395: Increase size of SessionCode in DT_SCHEDULE Typographical corrections
V2.7	APP	DT_PLAY_BY_PLAY: Update substitutes at Action @ Actions/Action DT_PLAY_BY_PLAY: Update When value and Description @ Actions/Action CR18559: DT_CURRENT: Add Result element and remove Period element. CR18565 DT_PARTIC: Update the description of Participant/Weight Remove ExtendedInfos /VenueDescription from DT_RANKING Editorial Improvements
V2.8	APP	DT_STATS: DocumentSubcode clarified DT_BRACKETS: Bracket /BracketItems /BracketItem /Code