

OLYMPIC DATA FEED

ODF Basketball 3x3 Data Dictionary

Tokyo 2020 - Games of the XXXII Olympiad

Technology and Information Department

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1 Introduction

1.1 This document

This document includes the ODF Basketball 3x3 Data Dictionary. This Data Dictionary refines the messages described in the ODF General Messages Interface Document specifically for Basketball 3x3.

1.2 Objective

The objective of this document is to provide a complete and formal definition of the ODF Basketball 3x3 Data Dictionary, with the intention that the information message producer and the message consumer can successfully interchange the information as the Basketball 3x3 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 2018 Youth Olympic Games

This document is to be applied for the 2018 Youth Olympic Games. All included concepts are applied with the exception of:

- DT_STATS is not applicable

1.5 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

1.6 Related Documents

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

2 Messages

2.1 Applicable Messages

The following table is a full list of all ODF messages and describes the list of messages used in basketball 3x3.

- 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 / update	X
DT_PARTIC / DT_PARTIC_UPDATE	List of participants by discipline / update	X
DT_PARTIC_TEAMS / DT_PARTIC_TEAMS_UPDATE	List of teams / update	X
DT_MEDALS	Medal standings	
DT_MEDALLISTS_DAY	Medallists of the day	
DT_GLOBAL_GM	Global good morning	
DT_GLOBAL_GN	Global good night	
DT_RESULT	Event Unit Start List and Results	X
DT_PLAY_BY_PLAY	Play by Play	X
DT_CUMULATIVE_RESULT	Cumulative Results	X
DT_CURRENT	Current Information	X
DT_POOL_STANDING	Pool Standings	X
DT_BRACKETS	Brackets	X
DT_RANKING	Event Final Ranking	X
DT_COMMUNICATION	Official Communication	
DT_MEDALLISTS	Event's Medallists	
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	
DT_LOCAL_OFF	Discipline/venue stop transmission	
DT_LOCAL_ON	Discipline/venue start transmission	
DT_KA	Keep Alive	

2.2 Messages

2.2.1 Competition schedule / Competition schedule update

2.2.1.1 Description

The Competition schedule is a bulk message provided for one particular 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 (and have status UNSCHEDULED or SCHEDULED).

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

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).

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, but does not notify any other change for the rest of the event units 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 this attribute.

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

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

2.2.1.3 Trigger and Frequency

The 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 should be sent immediately when known and usually soon 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 Values

Element: Competition /Session (0,N)			
Attribute	M/O	Value	Description
SessionCode	M	S(5)	Format DDD00 where DDD is the discipline and 00 is the session number.
StartDate	M	DateTime	Start date. Example: 2006-02-26T10:00:00+01:00
EndDate	O	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)	Venue name
ModificationIndicator	O	S(1)	Attribute is mandatory in the DT_SCHEDULE_UPDATE message. N = New or U = Update.
SessionStatus	M	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	O	S(40)	Name of the session. (if no other name then is session code)

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(6)	Match Number
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 incorrect (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>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. 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>

Element: Competition /Unit (0,N)			
Attribute	M/O	Value	Description
HideEndDate	O	S(1)	Send 'Y' if EndDate scheduled end time is not to be displayed. 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.
ActualStartDate	O	DateTime	This attribute is expected once the event unit has started. Example: 2006-02-26T10:03:22+01:00
ActualEndDate	O	DateTime	This attribute is expected once the event unit has finished. Example: 2006-02-26T12:43:51+01:00
Order	O	Numeric ###0	Order of the units when displayed. This field is considered in two situations: 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. 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 ensure the order of two using starting at the same time are displayed in the appropriate order.
Medal	O	SC @UnitMedalType	Gold medal event unit or bronze medal event unit. Do not send if not a medal event unit
Venue	M	CC @VenueCode	Venue where the unit takes place Use TBD if the Venue is not known yet (CC).
Location	M	CC @Location	Location where the unit takes place Use TBD if the Location is not known yet (CC) or a generic code for the discipline.
SessionCode	O	S(5)	Code of the session which contains this event unit.

Element: Competition /Unit (0,N)			
Attribute	M/O	Value	Description
ModificationIndicator	O	N, U	<p>Attribute is mandatory in the DT_SCHEDULE_UPDATE message only</p> <p>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.</p> <p>If ModificationIndicator="U", then update the event unit.</p>

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)	<p>Text to be displayed in the case that StartDate is not to be displayed (e.g. "After M.1" or "Followed by")</p> <p>Using a code set or fixed text will also be directly displayed and allow end user translation.</p>

Element: Competition /Unit /ItemName (1,N)			
Attribute	M/O	Value	Description
Language	M	CC @Language	Code Language of the @Value
Value	M	S(40)	<p>Item Name / Unit Description.</p> <p>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.</p> <p>For non-competition schedules (where the item description is not in common codes) then add the description.</p>

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, HNOC 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	T	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

2.2.1.5 Message Sort

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)	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.

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

2.2.2.3 Trigger and Frequency

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

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

2.2.2.4 Message Values

Element: Participant (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	<p>Participant's ID.</p> <p>It identifies an athlete or an official and the holding participant's valid information for one particular period of time.</p> <p>It is used to link other messages to the participant's information.</p> <p>Participant's information (example @Organisation) will not be the latest for the athlete/official, unless the @Code attribute is the same as the @Parent attribute. However, this information could be the one being valid in the particular moment of a start list, event unit results, etc.</p> <p>When the participant is an historical one, then this ID will start with "A" when it is an Athlete, "C" when Coach and "O" when Official.</p>
Parent	M	S(20) with no leading zeroes	<p>Participant's parent ID, which is used to link to the latest valid information for one participant. @Parent attribute should be linked to the latest participant's information, by retrieving that Athlete/Official whose @Code attribute is the same as @Parent.</p> <p>The participant containing @Code attribute being the same as the @Parent attribute will be the one with the latest information for the participant.</p> <p>The @Parent attribute will only be different from @Code in the case that critical personal information has changed from previous competitions. The typical examples are Organisation (for change of country) or Name (particularly for women changing their name at marriage). Further to be clear, @Parent and @Code can only be different if Current = "false".</p>
Status	O	CC @ParticStatus	<p>Participant's accreditation status this attribute is Mandatory in the case of @Current="true" and it is optional in the case that @Current="false".</p> <p>To delete a participant, a specific value of the Status attribute is used.</p>
GivenName	O	S(25)	Given name in WNPA format (mixed case)
FamilyName	M	S(25)	Family name in WNPA format (mixed case)

Element: Participant (1,N)			
Attribute	M/O	Value	Description
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
Gender	M	CC @PersonGender	Participant's gender
Organisation	M	CC @Organisation	Organisation ID
BirthDate	O	YYYY-MM-DD	Date of birth. This information may not be known at the very beginning, but it will be completed for all participants after successive updates
Height	O	S(3)	Height in centimetres. It will be included if this information is available. This information is not needed in the case of officials/referees. "-" may be used where the data is not available.
Weight	O	S(3)	Weight in kilograms. It will be included if this information is available. This information is not needed in the case of officials/referees. "-" may be used where the data is not available.
PlaceofBirth	O	S(75)	Place of Birth
CountryofBirth	O	CC @Country	Country ID of Birth
PlaceofResidence	O	S(75)	Place of Residence
CountryofResidence	O	CC @Country	Country ID of Residence
Nationality	O	CC @Country	Participant's nationality. Although this attribute is optional, in very exceptional situations it will not be known, and for this reason not ready to be sent.
MainFunctionId	O	CC @ResultsFunction	Main function In the Case of Current="true" this attribute is Mandatory.
Current	M	boolean	It defines if a participant is participating in the games (true) or is a Historical participant (false).

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

Element: Participant /Discipline (1,1)			
All participating athletes will be assigned at least one discipline, it could be more. Each accredited official will be assigned at least one discipline, but it could be more. If an athlete or official is assigned to more than one discipline, it will be included in the participant message of both disciplines.			
Attribute	M/O	Value	Description
Code	M	CC @Discipline	Full RSC of the discipline
IFId	O	S(16)	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. Send if applicable else do not send.
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Element: Participant /OfficialFunction (0,N)			
Send if the official has optional functions. Do not send, otherwise.			
Attribute	M/O	Value	Description
FunctionId	M	CC @ResultsFunction	Additional officials' function code

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

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

2.2.3.3 Trigger and Frequency

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 Values

Element: Team (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Team's ID When the Team is an historical one, then this ID starts with "T".
Organisation	M	CC @Organisation	Team organisation's ID
Number	O	Numeric #0	Team's number. If there is not more than one team for one organisation participating in one event, it is 1. Otherwise, it will be incremental, 1 for the first organisation's team, 2 for the second organisation's team, etc. Required in the case of current teams.
Name	O	S(73)	Team's name.
TVTeamName	O	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)			
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 if applicable
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 for Light uniform and 2 for Dark uniform Element Expected: As soon as this information is known (it can be sent in both messages)
	Attribute	M/O	Value	Description
	Value	O	S(25)	Uniform 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	O	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	O	S(1)	Team's Preliminary Group
ENTRY		RANK_WLD	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(4)	World Ranking

Sample

```
<Team Code=" BK3MTEAM3-----CAN01" Organisation="CAN" Number="1" Name="Canada" Gender="M"
Current="true">
  <Composition>
    <Athlete Code="1063192" Order="1"/>
    <Athlete Code="1063249" Order="2"/>
  ....
</Composition>
<Discipline Code="BK3M-----" >
  <RegisteredEvent Event="BK3MTEAM3-----" >
    <EventEntry Type="ENTRY" Code="UNIFORM" Pos="1" Value="White" />
    <EventEntry Type="ENTRY" Code="UNIFORM" Pos="2" Value="Red" />
  </RegisteredEvent>
</Discipline>
</Team>
```

2.2.3.5 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
DocumentType	DT_RESULT	Event Unit Start List and Results message
DocumentSubtype	Not used in BK3	Not used in BK3
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.

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

2.2.4.3 Trigger and Frequency

This message is sent with ResultStatus 'START_LIST' as soon as the expected information is available and any changes to the information. Possible information is:

- START LIST: As soon as the team/teams are known, before the unit begins.
- START LIST: As soon as any of the line-up and starters are known and any change/addition to these only before the start of the match.

This message is then sent with ResultStatus 'LIVE' as soon as the unit starts and continues to be triggered on all updates.

- LIVE: At the beginning of each period.
- LIVE: After every change in any data (scores, substitute, DQ etc).

This message is also sent when the unit finishes and the results are still unofficial and again when the results become official. The message is sent as 'INTERMEDIATE' during extended breaks.

- INTERMEDIATE: After each period (if it is not the last period).
- UNOFFICIAL / OFFICIAL: After the unit.

Trigger also after any change.

2.2.4.4 Message Values

Element: ExtendedInfos /UnitDateTime (0,1)			
Attribute	M/O	Value	Description
StartDate	O	DateTime	Actual start date-time. Do not include until unit starts.
Duration	O	h:mm	Match duration

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
	Value	O	SC @Period Send current period
STATS	LEAD_CHANGES	N/A	Element Expected: Always, if the information is available
	Attribute	M/O	Value
	Value	O	Numeric #0 Lead changes in the match
STATS	TIED_NUM	N/A	Element Expected: Always, if the information is available
	Attribute	M/O	Value
	Value	O	Numeric #0 Number of times the scores are tied in the match
DISPLAY	CURRENT	Numeric #0	Pos Description: Send a unique number for each competitor on the court. Element Expected: When available when the unit is LIVE and only for those players on the court.
	Attribute	M/O	Value
	Value	M	S(20) without leading zeroes Send the competitor ID of the player.
DISPLAY	String	Numeric 0	Code Description: Send the @Code of the last updated Result /Competitor /StatsItems /Stat or Result /Competitor /Composition /Athlete /StatsItems /StatsItem May be: FG, P1, P2, FT, REB, ASSIST, TO, ST, BLC, UF, FD
	Attribute	M/O	Value

Element: ExtendedInfos /ExtendedInfo (0,N)				
Type	Code	Pos	Description	
			Pos Description: Sequential number within message 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	
Sub Element: ExtendedInfos /ExtendedInfo /Extension				
Expected: When applicable (for REB) and only when the unit is LIVE. Send multiple if applicable				
Attribute	Value	Description		
Code	String	Send the @ExtendedStat Code of the last updated Result /Composition /Athlete /StatsItems /StatsItem. May be: OR or DR. Only applies to REB		
Pos	N/A	N/A		
Value	S(1)	Send "Y"		

Sample (General)

```

<ExtendedInfos>
  <ExtendedInfo Type="STATS" Code="TIED_NUM" Value="5" />
  <ExtendedInfo Type="STATS" Code="LEAD_CHANGES" Value="8" />
  <ExtendedInfo Type= DISPLAY" Code="CURRENT" Pos="1" Value="1102201" />
  <ExtendedInfo Type= DISPLAY" Code="CURRENT" Pos="2" Value="1102199" />
  <ExtendedInfo Type= DISPLAY" Code="CURRENT" Pos="3" Value="1102203" />
  <ExtendedInfo Type= DISPLAY" Code="CURRENT" Pos="4" Value="1102213" />
  <ExtendedInfo Type= DISPLAY" Code="CURRENT" Pos="5" Value="1102198" />
  <ExtendedInfo Type= DISPLAY" Code="CURRENT" Pos="6" Value="1109414" />
  .....
  <ExtendedInfo Type="DISPLAY" Code="P2" Pos="1" Value="2518090" />
  <ExtendedInfo Type="DISPLAY" Code="P2" Pos="2" Value=" BK3MTEAM3---GER01" />
</ExtendedInfos>
  
```

Element: ExtendedInfos /SportDescription (0,1)			
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(6)	Match number

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

Element: Officials /Official (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Official's code
Function	M	CC @ResultsFunction	Official's function. Send according to the codes requirements in the event
Order	M	Numeric	Send by Order as on official score sheet

Element: Officials /Official /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 official
Organisation	M	CC @Organisation	Officials' organisation
IFId	O	S(16)	International Federation ID

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 home competitor at the end of the period.
AwayScore	M	Numeric ##0	Overall score of the away competitor at the end of the period.
HomePeriodScore	O	Numeric ##0	Score of the home competitor for this period.
AwayPeriodScore	O	Numeric ##0	Score of the away competitor for this period

Element: Periods /Period /ExtendedPeriods /ExtendedPeriod (1,N)			
ExtendedPeriod information.			
Type	Code	Pos	Description
STARTER	HOME	Numeric 0	Pos Description: 1 to 3 for the athletes that Start the period. Element Expected: When the information is available for period.
	Attribute	M/O	Value
	Value	M	S(20) with no leading zeroes
STARTER	AWAY	Numeric 0	Pos Description: 1 to 3 for the athletes that Start the period. Element Expected: When the information is available for period.
	Attribute	M/O	Value
	Value	M	S(20) with no leading zeroes

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	String	Result of the competitor for the particular event unit.
IRM	O	SC @IRM	The invalid rank mark, in case it is assigned. IRM of the competitor 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 or lost
SortOrder	M	Numeric	This attribute is a sequential number with the order of the First named (1) and the Visitor (2)
QualificationMark	O	SC @QualificationMark	Indicates whether qualification for next phase is confirmed. Do not send during the final. Only for shoot-out competitions.
StartOrder	M	Numeric	Send 1 for first named team, send 2 for second named team
StartSortOrder	M	Numeric	Same @StartOrder
ResultType	O	SC @ResultType	Type of the @Result attribute. Result type, either points or IRM with points for the corresponding event unit

Element: Result /ExtendedResults /ExtendedResult (1,N)			
Only applicable in dunk and shoot-out competitions.			
Type	Code	Pos	Description
ER	SUB	S(3)	Pos Description: TOT or Judge number (men), Position (women) Element Expected: Always
	Attribute	M/O	Value
	Value	O	String
			Description
			Pos="TOT": Attempts (Men) or Time (Women). Attempts: Send "---" if no successful dunk Send "--+" if third try was successful Send "-+" if second try was successful Send "+" if first try was successful Pos=1..5: Judge Score (Men), Points for position (Women)

Sample (Men)

```
....
<Result Result="28" SortOrder="4" StartSortOrder="4" ResultType="POINTS">
  <ExtendedResults>
    <ExtendedResult Type="ER" Code="SUB" Pos="TOT" Value="--+"/>
    <ExtendedResult Type="ER" Code="SUB" Pos="1" Value="10"/>
    <ExtendedResult Type="ER" Code="SUB" Pos="2" Value="10"/>
    <ExtendedResult Type="ER" Code="SUB" Pos="3" Value="9"/>
    <ExtendedResult Type="ER" Code="SUB" Pos="4" Value="9"/>
    <ExtendedResult Type="ER" Code="SUB" Pos="5" Value="9"/>
  </ExtendedResults>
</Result>
....
```

Sample (women)

```
....
<Result Rank="1" Result="13" SortOrder="1" StartSortOrder="4" ResultType="POINTS" QualificationMark="Q">
  <ExtendedResults>
    <ExtendedResult Type="ER" Code="SUB" Pos="TOT" Value="32.4"/>
    <ExtendedResult Type="ER" Code="SUB" Pos="1" Value="3"/>
    <ExtendedResult Type="ER" Code="SUB" Pos="2" Value="2"/>
    <ExtendedResult Type="ER" Code="SUB" Pos="3" Value="2"/>
    <ExtendedResult Type="ER" Code="SUB" Pos="4" Value="6"/>
  </ExtendedResults>
</Result>
....
```

Sample (IRM)

```
....
<Result SortOrder="44" StartSortOrder="4" ResultType="IRM" IRM="DNS"/>
....
```

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)	A for athlete, T for team
Organisation	O	CC @Organisation	Competitor's organisation

Element: Result /Competitor /Description (0,1)			
Attribute	M/O	Value	Description
TeamName	O	S(73)	Name of the team in teams events
IFId	O	S(16)	International Federation ID

Element: Result /Competitor /EventUnitEntry (0,N) For team events			
Type	Code	Pos	Description
EUE	HOME_AWAY	N/A	Element Expected: When available
	Attribute	M/O	Value
	Value	O	SC @Home
EUE	UNIFORM	N/A	Element Expected: If available
	Attribute	M/O	Value
	Value	M	S(25)
EUE	AGE_AVG	N/A	Element Expected: If available
	Attribute	M/O	Value
	Value	M	Numeric #0.0
EUE	HEIGHT_AVG	N/A	Element Expected: If available
	Attribute	M/O	Value
	Value	M	Numeric 0.00

Sample

```
....
<EventUnitEntry Type="EUE" Code="HOME_AWAY" Value="AWAY" />
<EventUnitEntry Type="EUE" Code="UNIFORM" Value="BLUE" />
<EventUnitEntry Type="EUE" Code="AGE_AVG" Value="28.0" />
<EventUnitEntry Type="EUE" Code="HEIGHT_AVG" Value="1.92" />
....
```

Element: Result /Competitor /StatsItems /StatsItem (1,N)			
Type	Code	Pos	Description
ST	PTS	N/A	Element Expected: Always
Attribute	M/O	Value	Description
Value	M	Numeric ##0	Total Points for the team
Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
Attribute	Value	Description	
Code	2CHANCE		
Pos	N/A	N/A	
Value	Numeric #0	Second Chance Points	
Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
Attribute	Value	Description	
Code	TO		
Pos	N/A	N/A	
Value	Numeric #0	Points from Turnovers	
ST	LEAD_MAX	N/A	Element Expected: Always, if the information is available
Attribute	M/O	Value	Description
Value	M	Numeric #0	Biggest Lead
Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
Attribute	Value	Description	
Code	SCORE		
Pos	N/A	N/A	
Value	String	Current score when biggest lead occurs	
ST	SCORE_RUN_MAX	N/A	Element Expected: Always, if the information is available
Attribute	M/O	Value	Description
Value	M	String	Biggest Scoring Run.

Element: Result /Competitor /StatsItems /StatsItem (1,N)			
Type	Code	Pos	Description
Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
Attribute	Value	Description	
Code	SCORE		
Pos	N/A	N/A	
Value	String	Current score when biggest scoring run occurs	
ST	LEADING	N/A	Element Expected: Always, if the information is available
Attribute	M/O	Value	Description
Value	M	m:ss	Total time leading
ST	FG P1 P2 FT PAINT	N/A	Code Description: Use FG for field goal Use P1 for 1pt Use P2 for 2pt Use FT for Free Throw Use PAINT for Paint Pos Description: Send the period or TOT. Element Expected: Always except PAINT which is only for TOT.
Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
Attribute	Value	Description	
Code	ATT		
Pos	N/A	N/A	
Value	Numeric #0	Attempts	
Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
Attribute	Value	Description	
Code	MADE		
Pos	N/A	N/A	
Value	Numeric #0	Successful attempts	
Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			

Element: Result /Competitor /StatsItems /StatsItem (1,N)				
Type	Code	Pos	Description	
ST	Attribute	Value	Description	
	Code	PERCENT		
	Pos	N/A	N/A	
	Value	Numeric #0	Shooting Percentage	
		REB	N/A	Pos Description: N/A Element Expected: Always, if the information is available
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total rebounds
	Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
	Attribute	Value	Description	
	Code	DR		
Pos	N/A	N/A		
Value	Numeric #0	Defensive Rebounds		
Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available				
Attribute	Value	Description		
Code	OR			
Pos	N/A	N/A		
Value	Numeric #0	Offensive Rebounds		
ST	TREB	N/A	Element Expected: Always, if the information is available	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Team Rebounds
	Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
	Attribute	Value	Description	
	Code	DR		
Pos	N/A	N/A		

Element: Result /Competitor /StatsItems /StatsItem (1,N)				
Type	Code	Pos	Description	
Value	Numeric #0		Team Defensive Rebounds	
Sub Element: Result /Competitor /StatsItems /StatsItem /ExtendedStat				
Expected: Always, if the information is available				
Attribute	Value		Description	
Code	OR			
Pos	N/A	N/A		
Value	Numeric #0		Team Offensive Rebounds	
ST	ASSIST	N/A	Pos Description: N/A	
			Element Expected: Always, if the information is available	
Attribute	M/O	Value	Description	
Value	M	Numeric #0	Assists	
ST	TO	N/A	Pos Description: N/A	
			Element Expected: Always, if the information is available	
Attribute	M/O	Value	Description	
Value	M	Numeric #0	Turnovers	
ST	TTO	N/A	Element Expected: Always, if the information is available	
Attribute	M/O	Value	Description	
Value	M	Numeric #0	Team turnovers	
ST	ST	N/A	Pos Description: N/A	
			Element Expected: Always, if the information is available	
Attribute	M/O	Value	Description	
Value	M	Numeric #0	Steals	

Element: Result /Competitor /StatsItems /StatsItem (1,N)				
Type	Code	Pos	Description	
ST	BLC	N/A	Pos Description: N/A Element Expected: Always, if the information is available	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Blocked Shots
ST	UF	N/A	Pos Description: N/A Element Expected: Always, if the information is available	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Unsportsmanlike Fouls
ST	PF	SC @Period	Pos Description: Send the period or TOT Element Expected: Always, if the information is available	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Fouls
ST	EFF	N/A	Element Expected: Always, if the information is available	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Team efficiency
ST	FD	N/A	Pos Description: N/A Element Expected: Always, if the information is available	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Total Fouls Drawn
ST	PLUS_MINUS	N/A	Element Expected: Always, if the information is available	
	Attribute	M/O	Value	Description

Element: Result /Competitor /StatsItems /StatsItem (1,N)				
Type	Code	Pos	Description	
Value	M	Numeric #0 or -#0	Plus / Minus for the team	

Element: Result /Competitor /Composition /Athlete (1,N)				
Attribute	M/O	Value	Description	
Code	M	S(20) with no leading zeroes	Athlete's ID. Can belong to a team member or an individual athlete.	
Order	M	Numeric #0	Firstly, send order according to Start @Bib, Family Name and Given Name. Next, send suspended players at the period. Order attribute used to sort team members in a team.	
StartSortOrder	M	Numeric #0	Order the players should appear in the Start List. Order attribute used to sort team members in a team on the start list.	
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	STARTER	N/A	Element Expected: Send just for athletes in the starting line-up at the beginning of the game (when available)
	Attribute	M/O	Value
	Value	M	S(1) Send "Y" if the competitor is a Starter
EUE	AGE	N/A	Element Expected: As soon as it is known
	Attribute	M/O	Value
	Value	M	Numeric #0 Age of the player on the day of the game.

Sample

```
<Athlete Code="1125142" Bib="8" Order="4">
  <Description GivenName="Jane" FamilyName="Smith" Gender="F" Organisation="RSA" BirthDate="1992-12-15" />
  <EventUnitEntry Type="EUE" Code="STARTER" Value="Y" />
  <EventUnitEntry Type="EUE" Code="AGE" Value="22" />
</Athlete>
```

Element: Result /Competitor /Composition /Athlete /StatsItems /StatsItem (1,N)			
Type	Code	Pos	Description
ST	FG P1 P2 FT	N/A	Code Description: Use FG for Field goal Use P1 for 1 pt Use P2 for 2 pts Use FT for Free Throw Element Expected: Do not send if not applicable.
Sub Element: Result /Competitor /Composition /Athlete /StatsItems /StatsItem /ExtendedStat			
Expected: Always, if the information is available			
	Attribute	Value	Description
	Code	ATT	

Element: Result /Competitor /Composition /Athlete /StatsItems /StatsItem (1,N)			
Type	Code	Pos	Description
Pos	N/A	N/A	
Value	Numeric #0	Attempts	
Sub Element: Result /Competitor /Composition /Athlete /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
Attribute	Value	Description	
Code	MADE		
Pos	N/A	N/A	
Value	Numeric #0	Successful attempts	
Sub Element: Result /Competitor /Composition /Athlete /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
Attribute	Value	Description	
Code	PERCENT		
Pos	N/A	N/A	
Value	Numeric ##0	Shooting Percentage	
ST	REB	N/A	Element Expected: Do not send if not applicable.
Attribute	M/O	Value	Description
Value	M	Numeric #0	Total rebounds
Sub Element: Result /Competitor /Composition /Athlete /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
Attribute	Value	Description	
Code	DR		
Pos	N/A	N/A	
Value	Numeric #0	Defensive Rebounds	
Sub Element: Result /Competitor /Composition /Athlete /StatsItems /StatsItem /ExtendedStat Expected: Always, if the information is available			
Attribute	Value	Description	
Code	OR		
Pos	N/A	N/A	

Element: Result /Competitor /Composition /Athlete /StatsItems /StatsItem (1,N)				
Type	Code	Pos	Description	
ST	Value	Numeric #0	Offensive Rebounds	
		ASSIST	N/A	Element Expected: Do not send if not applicable.
ST	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Assists
		TO	N/A	Element Expected: Do not send if not applicable.
	Attribute	M/O	Value	Description
ST	Value	M	Numeric #0	Turnovers
		ST	N/A	Element Expected: Do not send if not applicable.
ST	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Steals
ST		BLC	N/A	Element Expected: Do not send if not applicable.
	Attribute	M/O	Value	Description
ST	Value	M	Numeric #0	Blocked Shots
		EFF	N/A	Element Expected: Do not send if not applicable.
ST	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Player efficiency
ST		UF	SC @Period	Pos Description: Only send TOT Element Expected: If applicable
	Attribute	M/O	Value	Description
	Value	M	Numeric #0	Unsportsmanlike Fouls
ST		FD	N/A	Element Expected: Do not send if not applicable.
	Attribute	M/O	Value	Description
ST	Value	M	Numeric #0	Fouls Drawn

Element: Result /Competitor /Composition /Athlete /StatsItems /StatsItem (1,N)			
Type	Code	Pos	Description
ST	PTS	N/A	Element Expected: Do not send if not applicable.
	Attribute	M/O	Value
	Value	M	Numeric ##0
ST	MINS	N/A	Element Expected: Do not send if not applicable.
	Attribute	M/O	Value
	Value	M	m:ss or S(3)
ST	PLUS_MINUS	N/A	Element Expected: Do not send if not applicable.
	Attribute	M/O	Value
	Value	M	Numeric #0 or -#0
			Plus / minus

Sample (General)

```
....  
<StatItems>  
  <StatItems Type="ST" Code="FG">  
    <ExtendedStat Code="MADE" Value="1" />  
    <ExtendedStat Code="ATT" Value="5" />  
    <ExtendedStat Code="PERCENT" Value="20" />  
  </StatItems>  
  <StatItems Type="ST" Code="P2">  
    <ExtendedStat Code="MADE" Value="1" />  
    <ExtendedStat Code="ATT" Value="5" />  
    <ExtendedStat Code="PERCENT" Value="20" />  
  </StatItems>  
  <StatItems Type="ST" Code="FT">  
    <ExtendedStat Code="MADE" Value="7" />  
    <ExtendedStat Code="ATT" Value="8" />  
    <ExtendedStat Code="PERCENT" Value="88" />  
  </StatItems>  
  <StatItems Type="ST" Code="REB" Value="6" >  
    <ExtendedStat Code="OR" Value="2" />  
    <ExtendedStat Code="DR" Value="4" />  
  </StatItems>  
  <StatItems Type="ST" Code="ASSIST" Value="1" />  
  <StatItems Type="ST" Code="TO" Value="1" />  
  <StatItems Type="ST" Code="FD" Value="4" />  
  <StatItems Type="ST" Code="PTS" Value="9" />  
  <StatItems Type="ST" Code="MINS" Value="20:05" />  
</StatItems>  
....
```

2.2.4.5 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	RSC of the unit
DocumentSubcode	Not used	Not used
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.

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

2.2.5.3 Trigger and Frequency

This message is sent:

- LIVE: After every action
- LIVE: At the start of every period/OT
- INTERMEDIATE: After each period (if it is not the last period)
- UNOFFICIAL/OFFICIAL: After the match (unit)

2.2.5.4 Message Values

Element: ExtendedInfos /SportDescription (0,1)			
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 Unit, not code
Gender	M	CC @DisciplineGender	Gender code for the event unit

Element: ExtendedInfos /VenueDescription (0,1)			
Attribute	M/O	Value	Description
Venue	M	CC @VenueCode	Venue Code
VenueName	M	S(25)	Venue short name (not code) from Common Codes
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
PId	O	S(36)	If this is a related action then the ID of the original action appear here.
Period	M	SC @Period	Period of the action within the match
Order	M	Numeric	Unique sequential number for all of the actions from 1 to n. It is used to sort Action
Action	O	SC @Action	Actions in the game, one action code
ActionAdd	O	S(200)	Additional information related to the action
ActionDesc	O	S(200)	Action/Incident description (ENG)
When	O	mm:ss	Time in which the action occurred. Action's time in minutes and seconds Example (02:05)
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
LeadH	O	Numeric #0	Points lead for the Home Team. Send if there is a score change for either team. (may be negative)
LeadA	O	Numeric #0	Points lead for the Away Team. Send if there is a score change for either team. (may be negative)
X	O	S(20)	X coordinate of the action location
Y	O	S(20)	Y coordinate of the action location
TimeStamp	O	DateTime	Time of the action (for alignment to video)

Element: Actions /Action /ExtendedAction (0,N)				
Code		Pos	Description	
FREETHROWS		N/A	Element Expected: When available in case of FT or FOUL	
Attribute	M/O	Value	Description	
Value	O	SC @FreeThrow	For FOUL: Number of Free Throws awarded. For FT: Number of Free Throws total.	
SHOT_FLAG		N/A	Element Expected: When available in case of FT or P1/P2	
Attribute	M/O	Value	Description	
Value	O	SC @ShotFlag	For FT and P1/P2: Shot Flag	
SHOT_POS		N/A	Element Expected: When available in case P1/P2	
Attribute	M/O	Value	Description	
Value	O	SC @Sector	Shot Sector	
SHOT_TYPE		N/A	Element Expected: When available in case of FT or P1/P2	
Attribute	M/O	Value	Description	
Value	O	SC @FreeThrowOf Or SC @Res_Sub	For FT: Number of Shots For P1/P2: Shot Type	

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 zeroes	Competitor's ID	
Type	M	S(1)	A for athlete, 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.
Bib	O	S(2)	Shirt Number
Role	O	SC @ActionRole	Role of the player in the action, according to the available codes.

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

Element: Actions /Action /Competitor /Coaches /Coach (1,N)			
Attribute	M/O	Value	Description
Code	O	S(20) with no leading zeroes	Official code. This code is normally expected though there may be rare exceptions.

Sample

```
<Action Id="123456" Period="OT" Order="3" Action="P20" When="2:14" Result="MISS" ScoreH="0" ScoreA="2" >
  <Competitor Code="BK3WTEAM3-----RSA01" 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>
```

2.2.5.5 Message Sort

Actions /Action @Order followed by @Pos

2.2.6 Cumulative Result

2.2.6.1 Description

The Cumulative Results is a message containing the cumulative results for the competitors in a group of units.

The Cumulative Results message is used for the dunk competition only.

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 phase in dunk.
DocumentType	DT_CUMULATIVE_RESULT	Cumulative Results message
DocumentSubtype	Not used	Not used
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	It indicates the status of the results LIVE INTERMEDIATE UNOFFICIAL OFFICIAL PROTESTED
FeedFlag	"P"-Production "T"-Test	Test message or production message.
Date	Date	Date when the message is generated, expressed in the local time zone where the message was produced.
Time	Time	Time up to milliseconds when the message is generated, expressed in the local time zone where the message was produced.

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

2.2.6.3 Trigger and Frequency

For the dunk competition:

- At the beginning of the phase and after every dunk (LIVE)
- At the end of each unit except last (INTERMEDIATE)
- At the end of the phase (UNOFFICIAL/OFFICIAL)

2.2.6.4 Message Values

Element: ExtendedInfos /ExtendedInfo (0,N)				
Type	Code	Pos	Description	
UI	LAST_UNIT	N/A	Element Expected: After at least one unit is complete.	
	Attribute	M/O	Value	Description
	Value	O	CC @Unit	Send the full RSC of the most recently completed unit or current unit if in progress included in the message.

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

Element: Result (1,N)			
For any cumulative results message, there should be at least one competitor being awarded a cumulative result after one event unit or phase.			
Attribute	M/O	Value	Description
Rank	O	Text	Rank of the competitor in the cumulative result. This attribute is optional because the competitor could get an invalid rank mark.
RankEqual	O	S(1)	Identifies if a rank has been equalled. Only send if applicable, in that case send "Y".
ResultType	O	SC @ResultType	Type of the @Result attribute. Result type, either POINTS or IRM without/with points for the cumulative result
Result	O	Numeric ###0	The cumulative Result of the competitor, i.e. Modern Pentathlon points achieved. Send in the case @ResultType is Points or IRM with points.
IRM	O	SC @IRM	The invalid rank mark for the cumulative result, in case it is assigned. Send Only in the case @ResultType is IRM or both IRM and points.
QualificationMark	O	S(1)	Send Q if qualified for next phase in dunk competition.
SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the cumulative result, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.

Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type	Code	Pos	Description	
ER	TIEBREAK	N/A	Pos Description: N/A Element Expected: If tiebreak applicable	
	Attribute	M/O	Value	Description
	Value	M	Numeric 0	Tiebreak Rank

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

Element: Result /ResultItems /ResultItem /Result (1,1)			
Attribute	M/O	Value	Description
Rank	O	Text	Rank of the competitor in the result for the phase identified by @Unit at /ResultItems /ResultItem.
RankEqual	O	S(1)	Identifies if a rank has been equalled. Send Y if applicable or do not send.
ResultType	O	SC @ResultType	Result type
Result	O	String	Result of the competitor in the particular phase
IRM	O	SC @IRM	The invalid rank mark (IRM) for the particular discipline phase, in case it is assigned. Only send in the case @ResultType is IRM or both IRM and points.
SortOrder	M	Numeric	Used to sort all results in the phase identified by phase identified by @Unit at /ResultItems /ResultItem.

Element: Result /ResultItems /ResultItem /Result /ExtendedResults /ExtendedResult (1,N)			
Type	Code	Pos	Description
ER	SUB	Numeric 0	Pos Description: Judge number Element Expected: Always
	Attribute	M/O	Value
	Value	O	Numeric #0 Judge points

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

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

Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID
Order	M	Numeric	Send 1 if the competitor is an athlete or 1... for 2 a team.
Bib	O	S(4)	Bib number for the corresponding phase of applicable.

Element: Result /Competitor /Composition /Athlete /Description (1,1)
Athletes extended information.

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

2.2.6.5 Message Sort

Sort by Result @SortOrder then Result /ResultItems /ResultItem /Result @SortOrder

2.2.7 Current Information

2.2.7.1 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.

2.2.7.2 Header Values

The following table describes the message header attributes.

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

2.2.7.3 Trigger and Frequency

- At the start and end of every period (to start/stop clock)
- Immediately after every change in the score.
- Every time the clock starts and stops
- During play i.e. after start and not during breaks in play, every 30 seconds after the last DT_CURRENT message when there is no other activity triggering this message.

2.2.7.4 Message Values

Element: Clock (0,1)			
Attribute	M/O	Value	Description
Period	O	SC @Period	Current Period if the information is available automatically from the timing device.
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.

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 code
HomeScore	M	Numeric ##0	Overall score of the home competitor (first named competitor) at the end of the period
AwayScore	M	Numeric ##0	Overall score of the away (second named competitor) competitor at the end of the period
HomePeriodScore	M	Numeric #0	Score of the home competitor (first named competitor) just for this period.
AwayPeriodScore	M	Numeric #0	Score of the away competitor (second named competitor) just for this period.

2.2.7.5 Message Sort

Sort by Period @Code.

2.2.8 Pool Standings

2.2.8.1 Description

The pool standings message contains the standings of a group in a competition. Here the message is triggered at the start of OVR operations and then after each event unit (match).

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
DocumentType	DT_POOL_STANDING	Pool Standings message
Version	1..V	Version number associated to the message's content. Ascendant number
ResultStatus	SC @ResultStatus	Status of the message. Expected statuses are: INTERMEDIATE (before and 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.

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

2.2.8.3 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 INTERMEDIATE.
- 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 Values

Element: ExtendedInfos /ExtendedInfo (0,N)			
Type	Code	Pos	Description
UI	LAST_UNIT	N/A	Element Expected: After at least one unit is complete.
	M/O	Value	Description
	M	CC @Unit	Send the full RSC of the most recently unit made official for the pool included in this message.

Element: ExtendedInfos /ExtendedInfo (0,N)			
Type	Code	Pos	Description
UI	UNITS_TOTAL	N/A	Element Expected: Always
	Attribute	M/O	Value
	Value	M	Numeric ##0
			Total number of units (games) to be played in the pool included in the message.
UI	UNITS_COMPLETE	N/A	Element Expected: Always
	Attribute	M/O	Value
	Value	M	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 equalled else do not send.
ResultType	M	SC @ResultType	Type of the @Result attribute, either points or IRM with points obtained by the competitor at all the games of the group
Result	O	Numeric	Send the classification points a team has accrued during the pool stage. Optional as not available before the competition.
IRM	O	SC @IRM	The invalid rank mark, in case it is assigned.
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.

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
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.
Played	O	Numeric #0	Number of games played by the team in the group Do not send if the team has not played.

Element: Result /ExtendedResults /ExtendedResult (1,N)				
Type	Code	Pos	Description	
ER	AVG	N/A	Pos Description: N/A Element Expected: If available, for not disqualified teams	
	Attribute	M/O	Value	Description
	Value	M	Numeric #0.0	Send the average number of points per game.

Element: Result /Competitor (1,1)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Competitor's ID
Type	M	S(1)	A for athlete, T for team
Organisation	M	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 /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	Competitors' 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 85-82). 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="167" Against="156" Diff="11" Ratio="50">
  <Competitor Code="BK3MTEAM3-----EGY01" Type="T" Organisation="EGY">
    <Description TeamName="Egypt"/>
    <Opponent Code="BK3MTEAM3-----BRA01" Type="T" Pos="1" Organisation="BRA" Date="2012-07-27"
Time="14:00" Unit="BK3MTEAM3-----GPA-000200--" HomeAway="H" Result="82-80">
      <Description TeamName="Brazil"/>
    </Opponent>
    <Opponent Code="BK3MTEAM3-----BLR01" Type="T" Pos="2" Organisation="BLR" Date="2012-08-01"
Time="09:00" Unit="BK3MTEAM3-----GPA-000400--" HomeAway="A" >
      <Description TeamName="Belarus"/>
    </Opponent>
    <Opponent Code="BK3MTEAM3-----NZL01" Type="T" Pos="4" Organisation="NZL" Date="2012-07-29"
Time="09:00" Unit="BK3MTEAM3-----GPA-000500--" HomeAway="A" Result="91-103">
      <Description TeamName="New Zealand"/>
    </Opponent>
  </Competitor>
</Result>
```

2.2.8.5 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: 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.

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

2.2.9.3 Trigger and Frequency

- Before the competition.
- After every match in the preliminaries which determines a position in the bracket.
- After every match during final phases.
- Trigger after any change

2.2.9.4 Message Values

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

Element: 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	Numeric #0	Bracket code to identify a bracket item. Unique identifier for the BracketItem. The 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
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.
NextUnit	O	CC @Unit	Full RSC of the unit where the successful competitor will progress
NextUnitLoser	O	CC @Unit	Full RSC of the unit where the unsuccessful competitor will progress

Element: Bracket /BracketItems /BracketItem /CompetitorPlace (1,N)			
- If the competitors are known, this element is used to place the competitors in the bracket.			
- If they are not yet known, it contains some information (on the rule to access to this bracket...)			
Attribute	M/O	Value	Description
Pos	M	Numeric 0	This attribute is a sequential number to place the competitors in the bracket (1 or 2).
Code	O	SC @CompetitorPlace	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

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	Full RSC at unit level	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. Not sent when from group.
Value	O	SC @Pool	If there is no competitor team (TBD) and coming from Pool then send appropriate code.
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)	A for athlete, 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="SFNL">
    <BracketItem Code="33" Order="1" Date="2012-08-10" Time="15:00" Unit="BK3WTEAM3-----
SFNL000100--" NextUnit=" BK3WTEAM3-----FNL-000100--" NextUnitLoser=" BK3WTEAM3-----FNL-
000200--">
      <CompetitorPlace Pos="1">
        <Competitor Code="BK3WTEAM3-----NED01" Type="T" Organisation="NED">
          <Description TeamName="Netherlands"/>
        </Competitor>
      </CompetitorPlace>
      <CompetitorPlace Pos="2">
        <Competitor Code="BK3WTEAM3-----NZL01" Type="T" Organisation="NZL">
          <Description TeamName="New Zealand"/>
        </Competitor>
      </CompetitorPlace>
    </BracketItem>
```

2.2.9.5 Message Sort

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

2.2.10 Event Final Ranking

2.2.10.1 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.

2.2.10.2 Header Values

The following table describes the message header attributes.

Attribute	Value	Comment
CompetitionCode	CC @Competition	Unique ID for competition
DocumentCode	Full RSC 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.

2.2.10.3 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.

2.2.10.4 Message Values

Element: ExtendedInfos /SportDescription (0,1)			
Sport Description in text			
Attribute	M/O	Value	Description
DisciplineName	M	S(40)	Discipline name (not code) from Common Codes
EventName	M	S(40)	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 competitor can be disqualified
RankEqual	O	S(1)	Send "Y" if the Rank is equalled 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
IRM	O	SC @IRM	Send just if the competitor 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 zeroes	Competitor's ID. "NOCOMP" in the case where there is no competitor in the rank due to IRM.
Type	M	S(1)	A for athlete, 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

Element: Result /Competitor /Composition /Athlete (1,N)			
Attribute	M/O	Value	Description
Code	M	S(20) with no leading zeroes	Athlete's ID, corresponding to an individual athlete or a team member. Team members should be participating in the event.
Order	M	Numeric	Order attribute used to sort team members in a team
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

```
<Result Rank="1" SortOrder="1" Played="8" Won="8" Lost="0" >
  <Competitor Code="BK3MTEAM3-----CRO01" Type="T" Organisation="CRO">
    <Description TeamName="Croatia"/>
    <Composition>
      <Athlete Code="1085534" Order="1" Bib="12" >
```

2.2.10.5 Message Sort

Sort by Result @SortOrder

3 Document Control

Version history		
Version	Date	Comments
v1.0	4 December 2017	First version
V1.1	3 January 2018	Updated
V1.2	20 February 2018	Updated

File Reference: ODF R-SOG-2020-BK3 V1.2 SFA

Change Log		
Version	Status	Changes in version
v1.0	SFR	First Version separated from Basketball
V1.1	SFA	DT_PARTIC: Updated to add Passport names (CR15219)
V1.2	SFA	DT_SCHEDULE: Add PreviousWLT and PreviousUnit @ Competition /Unit /StartList /Start Minor typographical corrections without changing the meaning.