Olympic Data Feed

ODF Powerlifting Data Dictionary for the XX Commonwealth Games

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1 Introduction

1.1 This document

This document is a Derivative Work (as defined in the License hereto) prepared by Glasgow 2014 Limited for the purpose of the XX Commonwealth Games.

1.2 Objective

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

1.3 Main Audience

The main audience of this document is the IPC as the ODF promoter, Glasgow 2014, ODF users such as the World News Press Agencies, Rights Holding Broadcasters and International Sports Federations.

1.4 Glossary

The following abbreviations are used in this document

Acronym	Description
IF or International Federation	The international governing body of an Olympic Sport as recognized by the IOC
IOC	International Olympic Committee
IPC	International Paralympic Committee
CGA	Commonwealth Games Associations
ODF	Olympic Data Feed
ODF-PiT	Olympic Data Feed Point in Time, messages that are generated at certain point during competition
ODF-RT	Olympic Data Feed Real Time, messages that are generated when available
RSC	Results System Codes, determine uniquely one unit of the competition, specifying the discipline, gender, event, phase and unit.
Sport	is administered by an international federation and can be composed of one or more disciplines
WNPA	World News Press Agencies

1.5 Related Documents

Document Reference	Document Title	Document Description
ODF/INT001	ODF Message Transmission Document	This document describes the technical standards to be used to transfer ODF messages between the message generators and the final ODF users
ODF/COD001	ODF Common Codes Document	This document describes the ODF codes used across the rest of the ODF documents
ODF/INT142	ODF General Messages Interface Document	This document describes the ODF general messages for the XX Commonwealth Games

2 Overall Perspective

2.1 Objective

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

2.2 End to End data flow

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

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

3 Codes

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

CC @CodeEntity

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

The following table describes the codes entities used in document sorted by name, indicating whether the set of values can be found in the ODF Common Codes Document, or listed in the table itself, otherwise. Please refer to ODF General Messages Interface Document to know the format of these codes.

Code Entity	**Code Entity Set of Values**	
CC @Group	**Code**	
	A	
	B	
	C	
CC @IRM	**Code**	**Description**
	DSQ	Disqualified
	DNS	Did not start
	DNF	Did not finish
CC @ResultsFunction	Defined in ODF Common Codes - Results Functions by Sport Document. • The attribute to be used is ID	
CC @ResultType	**Code**	**Description**
	WEIGHT	Weight
	IRM	Invalid Result Mark
CC @SportClass	Defined in ODF Common Codes Document See entity Sports Class - Paralympic. The code to be used is found in the Class column.	

4 Point in Time

4.1 Point in Time Applicable Messages

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

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

Message Type	Message name	Message used in this sport	Message extended in this document
DT_SCHEDULE	Competition schedule	X	
DT_SCHEDULE_UPDATE	Competition schedule update	X	
DT_PARTIC	List of participants by discipline	X	X
DT_PARTIC_UPDATE	List of participants by discipline update	X	X
DT_PARTIC_TEAMS	List of teams		
DT_PARTIC_TEAMS_UPDATE	List of teams update		
DT_MEDALS	Medal standings	Global	
DT_MEDALLISTS_DAY	Medallists of the day	Global	
DT_HISTORIC_RECORD	Historical records		
DT_GLOBAL_GM	Global good morning	Global	
DT_GLOBAL_GN	Global good night	Global	
DT_START_LIST	Start List	X	X
DT_RESULT	Event Unit Results	X	X
DT_PHASE_RESULT	Phase Results		
DT_CUMULATIVE_RESULT	Cumulative Results		
DT_POOL_STANDING	Pool Standings		
DT_RANKING	Event Final ranking	X	
DT_STATS	Statistics table		

DT_MEDALLISTS	Medallists of one event	X	X
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	X	
DT_RECORD	Records		
DT_COMMUNICATION	Official Communication	X	X
DT_BRACKETS	Brackets		
DT_GM	Discipline/venue good morning	X	
DT_GN	Discipline/venue good night	X	
DT_FED_RANKING	Federation Ranking		
DT_CONFIG	Discipline configuration	X	X
DT_WEATHER	Event Unit Weather conditions		
DT_SERIAL	List of Current PiT Serial	X	

4.1.1 List of participants by discipline/ List of participants by discipline update

4.1.1.1 Description

This message is the List of participants by discipline/ List of participants by discipline update message as described in the ODF General Messages Interface Document.

4.1.1.2 Header Values

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

4.1.1.3 Trigger and Frequency

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

4.1.1.4 Message Structure

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

- EventEntry

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

4.1.1.5 Message Values

The following table lists the "List of participants by discipline/ update" optional attributes (defined in the ODF General Messages Interface Document) that are used in the case Powerlifting, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Competition /Participant	Height	O	N(3) 999	It will be included if this information is available.
	BirthDate	O	YYYYMMDD	Date of birth for the athlete
Competition /Participant /Discipline	International FederationId	O	S(16)	International Federation ID
Competition /Participant /Discipline /RegisteredEvent	Bib	O	String	Shirt number. Although this attribute is optional, it will be updated and informed as soon as this information is known. Example: 8, 10 …

Element	Attribute	M/O	Value	Comments
RegisteredEvent	Class	M	CC @SportClass	Code to identify the Sport class

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

Element: Competition /Participant /Discipline /RegisteredEvent /EventEntry			
Type	**Code**	**Value**	**Description**
E_ENTRY	E_ENTRY_TOT	N(3).N(1) 900.9	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Send proposed Value

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

Type /Code	Description	Expected
E_ENTRY /E_ENTRY TOT	Entry Total	Always

4.1.1.6 Message sort

Please, follow the general definition.

4.1.2 Start List

4.1.2.1 Description

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

4.1.2.2 Header Values

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

4.1.2.3 Trigger and Frequency

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

4.1.2.4 Message Structure

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

- Competition /UnitInfos and its child element UnitInfo
- Officials and its child element Official
- Start /Competitor /Composition /Athlete /EventUnitEntry

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

4.1.2.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Officials /Official	Function	M	CC @ResultsFunction	Send according to the codes, the referee, the umpires and the commissioner
	Order	M	Numeric	Send by Order as on official score sheet
Start	StartOrder	M	Numeric	Number based in the first attempt
	SortOrder	M	Numeric	Same @StartOrder
Start /Competitor /Composition /Athlete	Bib	M	String	Shirt number
	Order	M	N(3) 990	Send order according to Start number

The following table describes in more detail the Competition /UnitInfos /UnitInfo element in the case of Powerlifting.

Element: Competition /UnitInfos /UnitInfo				
Type	**Code**	**Pos**	**Value**	**Description**
UI_PO	PO_WEIGH-IN		Date	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Value: Weigh-in Start Time

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

Type /Code	Description	Expected
UI_PO/ PO_WEIGH_IN	Weigh-in Start Time	Always

The following table describes in more detail the Competitor /Composition /Athlete /EventUnitEntry element in the case of Powerlifting.

Element: Competitor /Composition /Athlete /EventUnitEntry			
Type	**Code**	**Value**	**Description**
EUE_PO	PO_LOT	N(3) 990	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Lot No
	PO_GROUP	CC @Group	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Group
	PO_BODYWEIGHT	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Bodyweight value
	PO_RACKHEIGHT	N(2) 90	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Rack height value
	PO_ATTEMPT	N(3) 900	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: First attempt declared
	PO_IRM	CC @IRM	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Indicator as supplied by OVR for DNS or other possible results before the race.

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

Type /Code	Description	Expected
EUE_PO /PO_LOT	Lot Number	Always
EUE_PO /PO_GROUP	Group	Always
EUE_PO / PO_BODYWEIGHT	Bodyweight	Always
EUE_PO / PO_RACKHEIGHT	Rack height	Always
EUE_PO / PO_ATTEMPT	First attempt declared	Always
EUE_PO /PO_IRM	Invalid result mark supplied by OVR before the race.	When applies

4.1.2.6 Message sort

Please, follow the general definition.

4.1.3 Event Unit Results

4.1.3.1 Description

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

4.1.3.2 Header Values

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

4.1.3.3 Trigger and Frequency

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

- After each athlete
    - ResultStatus in the headers will have the value “INTERIM”
- After last group
    - ResultStatus in the headers will have the value “OFFICIAL” or “UNOFFICIAL”

4.1.3.4 Message Structure

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

- UnitDateTime (following the general rules for this element)
- UnitInfo
- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

4.1.3.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Numeric	Rank of the competitor in the corresponding event. This attribute is optional.
	RankEqual	O	Y/N	It must be sent always that the Rank attribute is sent in order to indentify if the Rank is equalled.
	ResultType	M	CC @ResultType	Result type.
	IRM	O	CC @IRM	IRM for the event. Send just in the case @ResultType is IRM (see codes section)

Element	Attribute	M/O	Value	Comments
	Result	O	N(3).N(1) 990.9 or '-'	Result for the particular event.
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the overall rank, but it should be used to sort out rank ties as well as results without rank (because there is an IRM or it is an intermediate result).

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

Type	Code	Pos	Value	Description
UI_RESULTS	PO_AFTER		CC @Group	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything.
				For @Value: Send the proposed code
	PO_GROUP		CC @Group	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything.
				For @Value: Send the proposed code

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

Type /Code	Description	Expected
UI_RESULTS /PO_AFTER	Code that indicates the finished group	When a Group is finished.
UI_RESULTS /PO_GROUP	Code that indicates the current group	Always

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

Type	Code	Extension Code	Pos	Value	Description
ER_PO	PO_ATTEMPT	PO_ATTEMPT_1		N(3).N(1) 900.9 Or '-'	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Result of attempt 1
		PO_ATTEMPT_2		N(3).N(1) 900.9	For @Type: Send proposed type

Type	Code	Extension Code	Pos	Value	Description
				Or '-'	For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Result of attempt 2
		PO_ATTEMPT_3		N(3).N(1) 900.9 Or '-'	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Result of attempt 3
		PO_ATTEMPT_4		N(3).N(1) 900.9 Or '-'	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Result of attempt 4
		PO_ATTEMPT_1_INVALID		S(1) Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the attempt 1 is invalid.
		PO_ATTEMPT_2_INVALID		S(1) Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the attempt 2 is invalid.
		PO_ATTEMPT_3_INVALID		S(1) Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the attempt 3 is invalid.
		PO_ATTEMPT_4_INVALID		S(1) Y/N	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything.
					For @Value: Send 'Y' if the attempt 4 is invalid.

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

Type /Code	Description	Expected
ER_PO/PO_ATTEMPT	Lifting results	When available
Extension Code	**Description**	**Expected**
PO_ATTEMPT_1	Result obtained after attempt 1. Don't send anything if attempt is pending to do.	When available
PO_ATTEMPT_2	Result obtained after attempt 2. Don't send anything if attempt is pending to do.	When available
PO_ATTEMPT_3	Result obtained after attempt 3. Don't send anything if attempt is pending to do.	When available
PO_ATTEMPT_4	Result obtained after attempt 4. Don't send anything if attempt is pending to do.	When available
PO_ATTEMPT_1_INVALID	Send 'Y' if the attempt 1 is invalid. Otherwise send 'N'.	When available
PO_ATTEMPT_2_INVALID	Send 'Y' if the attempt 2 is invalid. Otherwise send 'N'.	When available
PO_ATTEMPT_3_INVALID	Send 'Y' if the attempt 3 is invalid. Otherwise send 'N'.	When available
PO_ATTEMPT_4_INVALID	Send 'Y' if the attempt 4 is invalid. Otherwise send 'N'.	When available

4.1.3.6 Message sort

Please, follow the general definition.

4.1.4 Records

4.1.4.1 Description

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

4.1.4.2 Header Values

Please, follow the general definition.

4.1.4.3 Trigger and Frequency

Please, follow the general definition.

4.1.4.4 Message Structure

Please, follow the general definition.

4.1.4.5 Message Values

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

Element	Attribute	M/O	Value	Comments
RecordEntry /RecordData	ResultType	M	CC @ResultType	It will be a result categorization, to indicate whether the result that is for the record is a distance, a time, etc.
	Result	M	N(3).N(1) 900.9	The result of the competitor for the record
/Competitor /Composition/ Athlete/ RecordData	Historical	M	Y, N	Send 'Y' if the record for competitor being listed in the message was not achieved during the current competition. Send 'N' if the record for the competitor being listed in the message was achieved during the current competition.
	RSC	O	Concatenation of the following: CC @Discipline CC @DisciplineGender CC @Event CC @Phase CC @Unit	Send always (Mandatory) in the case Historical='N'. It should include the event unit in the current competition where the record was broken (as the event unit code is being sent in ODF header).
	Country	M	CC @Country	Country code where the record was broken
	Place	M	S(40)	The place (town or city) where the record was broken
	Date	M	YYYYMMDD	The date where the record was broken.
	Time	M	MillisTime	Time when was broken the record. Mandatory for the current records.
	Event	M	S(40)	Send in the case Historical='Y'. Send the text of the event name where the record was broken (example: "World Championships", "Olympic Games", etc.).

4.1.4.6 Message sort

Please, follow the general definition.

4.1.5 Event Final Ranking

4.1.5.1 Description

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

In the case of Weightlifting, the message has to be sent for all the competition events, as listed in the header values section.

4.1.5.2 Header Values

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

4.1.5.3 Trigger and Frequency

Please, follow the general definition.

4.1.5.4 Message Structure

Please, follow the general definition.

4.1.5.5 Message Values

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

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Text	Rank of the competitor in the result. It is optional because the participant can be disqualified
	RankEqual	O	S(1)	Send 'Y' if the Rank is equalled.
	IRM	O	CC @IRM	Send just if the participant 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 participants.

4.1.5.6 Message sort

Please, follow the general definition.

4.1.6 Event's Medallists

4.1.6.1 Description

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

In the case of Powerlifting, the message has to be sent for all the competition events, as listed in the header values section.

4.1.6.2 Header Values

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

4.1.6.3 Trigger and Frequency

Please, follow the general definition.

4.1.6.4 Message Structure

Please, follow the general definition.

4.1.6.5 Message Values

The following table lists the Event's Medallists optional attributes (defined in the ODF General Messages Interface Document) that are used in the case of Powerlifting, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Competitor	Order	M	Numeric	Competitor order Order attribute needs to be incremented each time a tied medal occurs, so if athlete A chieves the Gold first he will get Order=1, athlete B archeives it second he will get Order=2 and so on.

4.1.6.6 Message sort

Please, follow the general definition.

4.1.7 Discipline configuration

4.1.7.1 Description

This message is the Discipline configuration message as described in the ODF General Messages Interface Document.

4.1.7.2 Header Values

Please, follow the general definition.

4.1.7.3 Trigger and Frequency

Please, follow the general definition.

4.1.7.4 Message Structure

Please, follow the general definition.

4.1.7.5 Message Values

Send the attributes and codes according to the tables described in this section.

The following table describes in more detail the Competition /Configs /Config element.

Type	Code	Pos	Value	Description
CFG_PO	PO_GROUP		CC @Group	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Send the proposed code

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

Type /Code	Description	Expected
CFG_PO/PO_GROUP	Group	Always

4.1.7.6 Message sort

Please, follow the general definition.

5 PDF feed

Please refer to the same section of the ODF General Messages Interface Document.

DOCUMENT CONTROL

Version history

Version	Date	Comments
R1 v1.0	14 June 2013	Submitted for review version
R1 v1.1	08 July 2013	Submitted for approval version
R1 v1.2	16 July 2013	Approved version
R1 v1.3	14 October 2013	New version (CR0136)
R1 v1.4	14 November 2013	New version after Pre-integration
R1 v1.5	16 January 2014	Updated version

File reference: ODF/INT140 R1 v1.4 APP (PO)

Change Log

Version	Status	Changes on version
R1 v1.0	SFR	• First version
R1 v1.1	SFA	• Submitted for approval version
R1 v1.2	APP	• Approved version
R1 v1.3	APP	• Updated version with DT_RECORD (CR0136)
R1 v1.4	APP	• Updated DT_RESULT . Result & Attempts fields format updated according PRIS format. • PO_RACKHEIGHT format updated.
R1 v1.5	APP	• External delivery • General description of DT_POOL_STANDING updated

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