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Olympic Data Feed

ODF Figure Skating Data Dictionary

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DOCUMENT CONTROL

Version history

Version	Date	Comments
1.0	20 May 2011	Submitted for review version
1.1	1 July 2011	SFA Version
1.2	29 July 2011	APP Version
1.3	4 November 2011	References to DTX_SCHEDULE, DTX_COMMUNICATION, DTX_PARTIC_ATHLETES and DTX_PARTIC_TEAMS removed
1.4	19 December 2011	Remove order for the team (couples)composition in the DTX_START_LIST, DTX_RESULTS and DTX_CUMULATIVE_RESULTS messages

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Change Log

Version	Status	Changes on version
1.0	SFR	<ul style="list-style-type: none">First version
1.1	SFA	<ul style="list-style-type: none">SFA Version
1.2	APP	<ul style="list-style-type: none">APP VersionOrder attribute for Team Compositions defined
1.3	APP	<ul style="list-style-type: none">References to DTX_SCHEDULE, DTX_COMMUNICATION, DTX_PARTIC_ATHLETES and DTX_PARTIC_TEAMS removed
1.4	APP	<ul style="list-style-type: none">Remove order for the team (couples)composition in the DTX_START_LIST, DTX_RESULTS and DTX_CUMULATIVE_RESULTS messages

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1. Introduction

1.1. This document

This document includes the ODF Figure Skating Data Dictionary. This Data Dictionary refines the messages described in the ODF Light Messages Interface Document specifically for Figure Skating, as well as defines the codes used in these messages.

1.2. Objective

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

1.3. Main Audience

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

1.4. Glossary

The following abbreviations are used in this document

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

1.5. Related Documents

Document Reference	Document Title	Document Description
ODF/TBD	ODF Common Codes Document	This document describes the ODF codes used across the rest of the ODF documents
ODF/INT100	ODF Light Messages	This document describes the



	Interface Document	ODF Light messages
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2. Overall Perspective

2.1. Objective

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

2.2. End to End data flow

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

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

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



3. Codes

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

CC @CodeEntity

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

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

Code Entity	Code Entity Set of Values	
CC @IRM (The codes order provided is according to the sport rules. In case of several WD or DSQ sort by Organisation and Name).	Code	Description
	WD	Withdrawn
	DSQ	Disqualified
CC @QualificationMark	Code	Description
	Q	Qualified for Free Skating
CC @ResultType	Code	Description
	RT_POINTS	Points
	RT_INVALID_RESULT	Invalid Result Mark



4. Applicable Messages

The following table is a full list of all ODF messages and describes the list of messages used in Figure Skating,

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

Message type	Message name	Message used in this sport	Message extended in this document
DTX_START_LIST	Start List	X	X
DTX_RESULT	Event Unit Results	X	X
DTX_CUMULATIVE_RESULT	Cumulative Results	X	X
DTX_RANKING	Event Final ranking	X	X
DTX_MEDALLISTS	Medallists of one event	X	X



5. Figure Skating Data Extension

5.1. General Issues

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

5.1.1. IDS and ODF header

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

- ODF Header: DocumentCode.

5.1.2. Attributes Definition

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



5.2. Start List

5.2.1. Description

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

Mixed NOC Team event:

If the message is provided at segment level, it contains a Competitor/Composition element for each team including the team members that participate in the current segment.

If the message is provided at event level, it contains a Competitor/Composition element for each segment (a total of four) including the team members that participate in the segment.

5.2.2. Header Values

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

5.2.3. Trigger and Frequency

Please, follow the general definition.

5.2.4. Message Structure

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

- PhaseInfo
- UnitDateTime (following the general rules for this element)
- Competitor /EventUnitEntry (for team event units)
- Competitor /Composition /Athlete /EventUnitEntry (for single athlete event units)

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

5.2.5. Message Values

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

Element	Attribute	M/O	Value	Comments
Start	StartOrder	M/O	Numeric	Start order of the competitor in the start list for Individual, Pairs and Ice Dance events
	SortOrder	M	Numeric	Same as @StartOrder



The following table describes in more detail the PhaseInfo element in the case of Figure Skating.

Element: PhaseInfo				
Type	Code	Pos	Value	Description
PI_QUALIFICATION_RULE	QR_RANK_QUALIFY_NEXT_ROUND	Numeric	Numeric	For @Type: Send proposed type For @Code: Send the proposed code for the qualification rule. QR_RANK_QUALIFY_NEXT_ROUND is the code that indicates the qualification for next round based on rank. For @Pos: Send 1 to indicate first rank included in the @Code rule Send 2 to indicate last rank included in the @Code rule For @Value: Send the rank according to @Code rule and @Pos

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

Type /Code	Description	Expected
PI_QUALIFICATION_RULE / QR_RANK_QUALIFY_NEXT_ROUND	Qualification for next round based on round rank	Always, if this rule applies to the competition

The following table describes in more detail the Competitor /EventUnitEntry element, which should be used in the case of pairs' event units, or Competitor /Composition /Athlete /EventUnitEntry in the case of singles.

Element: Competitor /EventUnitEntry in the case of pairs and mixed NOC teams Competitor /Composition /Athlete /EventUnitEntry in the case of singles				
Type	Code	Value	Description	
EU_ENTRY	E_WARM_UP	N(4) 9990	For @Type: Send proposed type For @Code: Send proposed code For @Value: Send the Warm-Up Group No. for the competitor as a team	

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

Type /Code	Description	Expected
EU_ENTRY /E_WARM_UP	Warm-up group no.	Always, if there are warm-up groups

5.2.6. Message sort

Please, follow the general definition.



5.3. Event Unit Results

5.3.1. Description

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

For the Mixed NOC Team event the message will be provided for each segment.

5.3.2. Header Values

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

5.3.3. Trigger and Frequency

Please, follow the general definition.

5.3.4. Message Structure

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

- PhaseInfo
- UnitDateTime (following the general rules for this element, however being @EndDate mandatory)
- Competitor /ExtendedResults (in the case of pairs)
- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (in the case of singles)

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

5.3.5. Message Values

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

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Numeric	Rank of the competitor in the corresponding event unit (segment rank). This attribute is optional because the skater could get an invalid rank mark.
	ResultType	M	CC @ResultType	Result type, either points or IRM for the corresponding event unit
	IRM	O	CC @IRM	IRM for the particular event unit Send just in the case @ResultType is IRM (see codes section)



Element	Attribute	M/O	Value	Comments
	Result	O	N(3).N(2) 990.00	Result points for the particular event unit (segment points). Points include two decimal digits. Send just in the case @ResultType is points (see codes section)
	QualificationMark	O	CC @QualificationMark	Qualification code if apply in current event, to indicate if the skater qualified. It could also be used in other competitions as well as in the Olympics.
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.

For the PhaseInfo element, please, send the same information as in the start list.

Send UnitDateTime including also the @EndDate attribute

The following table describes in more detail the Competitor /ExtendedResults /ExtendedResult element, in the case of pairs, or Competitor /Composition /Athlete /ExtendedResults /ExtendedResult, in the case of singles.

Element: Competitor /ExtendedResults /ExtendedResult in the case of pairs Competitor /Composition /Athlete /ExtendedResults /ExtendedResult in the case of singles			
Type	Code	Value	Description
ER_FS	FS_ELEMENT_SCORE	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Total element score in particular for this event unit (segment).
	FS_COMPONENT_SCORE	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Factored total component score in particular for this event unit (segment).
	FS_DEDUCTIONS	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Total deductions in particular for this event unit (segment).
	FS_SKATING_SKILLS	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value:



			Unfactored program component score in particular for this event unit (segment): Skating skills
	FS_TRANSITION	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Unfactored program component score in particular for this event unit (segment): Transitions / Linking Footwork / Movement
	FS_EXECUTION	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Unfactored program component score in particular for this event unit (segment): Performance / Execution
	FS_CHOREOGRAPHY	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Unfactored program component score in particular for this event unit (segment): Choreography / Composition
	FS_INTERPRETATION	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Unfactored program component score in particular for this event unit (segment): Interpretation
	FS_TIMING	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Unfactored program component score in particular for this event unit (segment): Timing
	FS_INTERPRETATION_TIMING	N(3).N(2) 990.00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Unfactored program component score in particular for this event unit (segment): Interpretation / Timing



For the table above, we have the following additional/summary information (except for components, detailed afterwards):

Type /Code	Description	Expected
ER_FS /FS_ELEMENT_SCORE	Total element score in the segment	Always
ER_FS /FS_COMPONENT_SCORE	Factored total component score in the segment	Always
ER_FS /FS_DEDUCTIONS	Total deductions in the segment	Always

The following table relates the event unit (segments) with program components in Figure Skating, by using the @Code attributes in the ExtendedResult elements.

Segment	Component	Code
Singles (Men, Ladies), Pairs. Short Program and Free Skating Mixed NOC Teams Singles (Men, Ladies) and Mixed NOC Teams Pairs	Skating skills	FS_SKATING_SKILLS
	Transition / Linking Footwork	FS_TRANSITION
	Performance / Execution	FS_EXECUTION
	Choreography / Composition	FS_CHOREOGRAPHY
	Interpretation	FS_INTERPRETATION
Ice Dancing – Short Dance and Free Dance Mixed NOC Teams Ice Dance	Skating skills	FS_SKATING_SKILLS
	Linking Footwork / Movement	FS_TRANSITION
	Performance	FS_EXECUTION
	Choreography	FS_CHOREOGRAPHY
	Interpretation / Timing	FS_INTERPRETATION_TIMING

5.3.6. Message sort

Please, follow the general definition.



5.4. Cumulative Results

5.4.1. Description

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

The message includes accumulated segments results for individual, pairs, ice dancing and Mixed NOC Team events.

5.4.2. Header Values

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

This cumulative results message is after event phase=segment (Subtype and DocumentSubtype header attributes should be at phase level).

5.4.3. Trigger and Frequency

Please, follow the general definition for event unit level situation.

5.4.4. Message Structure

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

- Competitor /ExtendedResults /ExtendedResult (in the case of pairs)
- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (in the case of singles)

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

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

5.4.5. Message Values

The following table lists the Cumulative Results optional and/or extended attributes (defined in the ODF Light Messages Interface Document) that are used in the case of Figure Skating, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
CumulativeResult	Rank	O	Numeric	Cumulative rank of the competitor after the finalisation of the current event unit, so it takes into account the previous event units. This rank indicates a progress of the competition. This attribute is optional because the skater could get an invalid rank mark.
	ResultType	M	CC @ResultType	Result type, either points or IRM for the corresponding cumulative results



Element	Attribute	M/O	Value	Comments
	IRM	O	CC @IRM	IRM after the finalisation of the current event unit Send just in the case @ResultType is IRM (see codes section)
	Result	O	N(3).N(2) 990.00 Or N(2) 99	Result points after the finalisation of the current event unit (considering also the previous event units). Points include two decimal digits for all event except for Mixed NOC that does not include decimal digits Send just in the case @ResultType is points (see codes section)
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results after the finalisation of the current event unit, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank. As well as the IRM, the SortOrder should take care of the FS_FNR code arriving in the Competitor /ExtendedResults /ExtendedResult for those competitors that have this code

The following table describes in more detail the Competitor /ExtendedResults /ExtendedResult element in the case of pairs, or Competitor /Composition /Athlete /ExtendedResults /ExtendedResult, in the case of singles.

Element: Competitor /ExtendedResults /ExtendedResult in the case of pairs Competitor /Composition /Athlete /ExtendedResults /ExtendedResult in the case of singles			
Type	Code	Value	Description
ER_FS	FS_FNR		For @Type: Send proposed type
			For @Code: Send proposed code <u>only</u> for those competitors (in all means as singles or pairs-teams) if they should be indicated as Final Not Reached
			For @Value: Do not send anything

For the table above, we have the following additional/summary information (except for components, detailed afterwards):

Type /Code	Description	Expected
ER_FS /FS_FNR	Final not reached	Send only for those competitors who should be indicated with Final not reached

5.4.6. Message sort

Please, follow the general definition.



5.5. Event Final Ranking

5.5.1. Description

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

5.5.2. Header Values

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

5.5.3. Trigger and Frequency

Please, follow the general definition.

5.5.4. Message Structure

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

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

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

5.5.5. Message Values

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

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Numeric	Final rank of the competitor in the corresponding event. This attribute is optional because the skater may have got an invalid rank mark.
	ResultType	M	CC @ResultType	Result type, either points or IRM for the corresponding event.
	IRM	O	CC @IRM	IRM for the particular event. Send just in the case @ResultType is IRM (see codes section)
	Result	O	N(3).N(2) 990.00	Final result for the particular event. Points include two decimal digits. Send just in the case @ResultType is points (see codes section)



Element	Attribute	M/O	Value	Comments
	SortOrder	M	Numeric	<p>This attribute is a sequential number with the order of the results for the particular event, if they were to be presented. It is mostly based on the rank, but it could be used to sort out rank ties as well as results without rank.</p> <p>As well as the IRM, the SortOrder should take care of the FS_FNR code arriving in the Competitor /ExtendedResults /ExtendedResult and Competitor/Composition/Athlete /ExtendedResults /ExtendedResult for those competitors that have this code</p>

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

Element:Competitor/ExtendedResults/ExtendedResult and Competitor/Composition/Athlete/ExtendedResults /ExtendedResult			
Type	Code	Value	Description
ER_FS	FS_FNR		For @Type: Send proposed type
			For @Code: Send proposed code <u>only</u> for those competitors (in all means as singles or pairs-teams) if they should be indicated as Final Not Reached
			For @Value: Do not send anything

For the table above, we have the following additional/summary information (except for components, detailed afterwards):

Type /Code	Description	Expected
ER_FS /FS_FNR	Final not reached	Send only for those competitors who should be indicated with Final not reached

5.5.6. Message sort

Please, follow the general definition.



5.6. Event's Medallists

5.6.1. Description

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

5.6.2. Header Values

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

5.6.3. Trigger and Frequency

Please, follow the general definition.

5.6.4. Message Structure

Please, follow the general definition.

5.6.5. Message Values

The following table lists the Message Values optional attributes (defined in the ODF Light Messages Interface Document) that are used in the case of Figure Skating, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
CompetitorExtension	TeamName	M	S(73)	For Pairs and Ice Dance team events the name is the concatenation of both members Print names.

5.6.6. Message sort

Please, follow the general definition.



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