



INTERNATIONAL OLYMPIC COMMITTEE

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## Olympic Data Feed

### **ODF Paralympic Swimming Data Dictionary**

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Technology Department  
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# 1 Introduction

## 1.1 This document

This document includes the ODF Paralympic Swimming Data Dictionary. This Data Dictionary refines the messages described in the ODF Central Messages Interface Document and ODF Sport Messages Interface Document specifically for Paralympic Swimming, 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 Paralympic Swimming Data Dictionary, with the intention that the information message producer and the message consumer can successfully interchange the information as the Paralympic Swimming competition is run.

## 1.3 Main Audience

The main audience of this document is the IPC 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
- **IPC** – International Paralympic Committee
- **NOC** – National Olympic Committee
- **NPC** - National Paralympic Committee
- **ODF** – Olympic Data Feed
- **ODF-RT** – Olympic Data Feed Real Time
- **RSC** – Results System Codes
- **SW** – Paralympic Swimming
- **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/INT003	ODF Central Messages Interface Document	This document describes the ODF central messages
ODF/INT004	ODF Sport Messages Interface Document	This document describes the ODF sport messages, generated independently by each sport
ODF/INT046	ODF Swimming Data Dictionary	This document describes the ODF Swimming messages



## 2 Overall Perspective

### 2.1 Objective

The objective of this document is to focus on the formal definition of the ODF Paralympic Swimming 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 Central Messages Interface Document, ODF Sport Messages Interface Document and ODF Swimming Data Dictionary, since this ODF Paralympic Swimming Data Dictionary are a particularization of those documents.

In the following sections, for each ODF sport 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 Paralympic Swimming.

Any ODF Paralympic Swimming 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 specific for Paralympics 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 @SportClass	Defined in ODF Common Codes Document See entity <b>Sports Class - Paralympic</b> <b>The code to be used is found in the Class column.</b>

Please follow ODF Swimming Data Dictionary definition, for the rest of the codes entities defined in the document.





## 4 Paralympic Swimming Data Extension

### 4.1 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 either in the ODF Central Messages Interface Document or ODF Sport Messages Interface Document, should be respected for the messages described in the chapter 4 of this document.

#### 4.1.1 ODF header

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

- ODF Header: DocumentCode.

#### 4.1.2 Attributes Definition

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



## 5 Point in Time

### 5.1 Point in Time Applicable Messages

The following table is a full list of all ODF messages and describes the list of messages used in Paralympic Swimming, as well as the category of each message, which identifies if the message structure definition can be found either in the ODF Sport Messages Interface Document or ODF Central 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 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 documented	Message used in this sport	Message extended in this document
DT_SCHEDULE	Competition schedule	Central	X	
DT_SCHEDULE_UPDATE	Competition schedule update	Central	X	
DT_PARTIC	List of participants by discipline	Central	X	X
DT_PARTIC_UPDATE	List of participants by discipline update	Central	X	X
DT_PARTIC_TEAMS	List of teams	Central	X	X
DT_PARTIC_TEAMS_UPDATE	List of teams update	Central	X	X
DT_PARTIC_HORSES	List of equestrian horses	Central		
DT_PARTIC_HORSES_UPDATE	List of horses update	Central		
DT_MEDALS	Medal standings	Central	Global	
DT_MEDALLISTS_DAY	Medallists of the day	Central	Global	
DT_HISTORIC_RECORD	Historical records	Central	X	X
DT_HIST_REC_UPDATE	Historical records	Central	X	X



Message Type	Message name	Message documented	Message used in this sport	Message extended in this document
	update			
DT_GLOBAL_GM	Global good morning	Central	Global	
DT_GLOBAL_GN	Global good night	Central	Global	
DT_START_LIST	Start List	Sports	X	X
DT_RESULT	Event Unit Results	Sports	X	X
DT_PHASE_RESULT	Phase Results	Sports	X	X
DT_CUMULATIVE_RESULT	Cumulative Results	Sports	X	X
DT_POOL_STANDING	Pool Standings of group in a team competition	Sports		
DT_RANKING	Event Final ranking	Sports	X	
DT_STATS	Statistics table	Sports		
DT_MEDALLISTS	Medallists of one event	Sports	X	X
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	Sports	X	
DT_RECORD	Records	Sports	X	X
DT_COMMUNICATION	Official Communication	Sports	X	
DT_BRACKETS	Brackets	Sports		
DT_GM	Discipline/venue good morning	Sports	X	X
DT_GN	Discipline/venue good night	Sports	X	X
DT_FED_RANKING	Federation Ranking	Sports		
DT_CONFIG	Discipline Configuration	Sports	X	X
DT_WEATHER	Event Unit Weather conditions	Sports		
DT_SERIAL	List of Current PiT Serial	Sports	X	



## 5.1.1 List of participants by discipline / List of participants by discipline update

### 5.1.1.1 Description

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

### 5.1.1.2 Header Values

Please follow ODF Swimming Data Dictionary definition.

### 5.1.1.3 Trigger and Frequency

Please follow ODF Swimming Data Dictionary definition.

### 5.1.1.4 Message Structure

Please follow ODF Swimming Data Dictionary definition.

### 5.1.1.5 Message Values

The following table lists only extra optional attributes (defined in the ODF Sport Messages Interface Document) that are used in the case of Paralympic Swimming, as well as the attributes that have an extended definition, for the rest of normal attributes please, follow ODF Swimming Data Dictionary definition

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

### 5.1.1.6 Message sort

Please follow ODF Swimming Data Dictionary definition.

## 5.1.2 List of teams / List of teams update

Please follow ODF Swimming Data Dictionary definition.



### 5.1.3 Historical records / Historical records update

#### 5.1.3.1 Description

Please follow ODF Swimming Data Dictionary definition.

#### 5.1.3.2 Header Values

Please follow ODF Swimming Data Dictionary definition.

#### 5.1.3.3 Trigger and Frequency

Please follow ODF Swimming Data Dictionary definition.

#### 5.1.3.4 Message Structure

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

- HistoricalRecords /Record /RecordType /Competitor /RecordData (for Relay event units)
- HistoricalRecords /Record /RecordType /Competitor /Composition /Athlete /RecordData (for all event units except for Relay events)

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

#### 5.1.3.5 Message Values

Please follow ODF Swimming Data Dictionary definition, without sending HER\_RECORD /SW\_SPLIT as there are no split times in records.

#### 5.1.3.6 Message sort

Please follow ODF Swimming Data Dictionary definition.



## 5.1.4 Start List

### 5.1.4.1 Description

Please follow ODF Swimming Data Dictionary definition.

### 5.1.4.2 Header Values

Please follow ODF Swimming Data Dictionary definition.

### 5.1.4.3 Trigger and Frequency

Please follow ODF Swimming Data Dictionary definition.

### 5.1.4.4 Message Structure

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

- UnitInfos /UnitDateTime (following the general rules for this element)
- Start /Competitor /EventUnitEntry (for Relay event units)
- Start /Competitor /Composition /Athlete /EventUnitEntry (for all event units except for Relay events)

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

### 5.1.4.5 Message Values

Please follow ODF Swimming Data Dictionary definition.

### 5.1.4.6 Message sort

Please follow ODF Swimming Data Dictionary definition.

## 5.1.5 Event Unit Results

Please follow ODF Swimming Data Dictionary definition.

## 5.1.6 Phase Results

Please follow ODF Swimming Data Dictionary definition.

## 5.1.7 Cumulative Results

Please follow ODF Swimming Data Dictionary definition.

## 5.1.8 Event's Medallists

Please follow ODF Swimming Data Dictionary definition.



## 5.1.9 Records

### 5.1.9.1 Description

Please follow ODF Swimming Data Dictionary definition.

### 5.1.9.2 Header Values

Please follow ODF Swimming Data Dictionary definition.

### 5.1.9.3 Trigger and Frequency

Please follow ODF Swimming Data Dictionary definition.

### 5.1.9.4 Message Structure

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

- Record /RecordType /RecordEntries /RecordEntry /Competitor /RecordData (for Relay event units)
- Record /RecordType /RecordEntries /RecordEntry /Competitor /Composition /Athlete /RecordData (for all event units except for Relay events).

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

### 5.1.9.5 Message Values

Please follow ODF Swimming Data Dictionary definition, without sending ER\_RECORD /SW\_SPLIT as there are no split times in records.

### 5.1.9.6 Message sort

Please follow ODF Swimming Data Dictionary definition.



#### **5.1.10 Discipline/venue good morning**

Please follow ODF Swimming Data Dictionary definition.

#### **5.1.11 Discipline/venue good night**

Please follow ODF Swimming Data Dictionary definition.

#### **5.1.12 Discipline configuration**

Please follow ODF Swimming Data Dictionary definition.





## 6 Real time

The following chapter describes the ODF-RT part of Paralympic Swimming.

### 6.1 Real Time Applicable Messages

The next table is a full list of all ODF-RT messages and describes the list of messages used in Paralympic Swimming the same way as it is done in the table of chapter 4.

Message Type	Message name	Message documented	Message used in this sport	Message extended in this document
DT_RT_GM	RT Discipline/Venue good morning	Sports	X	
DT_RT_GN	RT Discipline/venue good night	Sports	X	
DT_RT_KA	RT Discipline/venue keep alive	Sports	X	
DT_RT_RESULT	RT Event Unit Results	Sports	X	X
DT_RT_CUMULATIVE_RESULT	RT Cumulative Results	Sports	X	X



## 6.1.1 RT Event Unit Results

### 6.1.1.1 Description

Please follow ODF Swimming Data Dictionary definition.

### 6.1.1.2 Header Values

Please follow ODF Swimming Data Dictionary definition.

### 6.1.1.3 Trigger and Frequency

Please follow ODF Swimming Data Dictionary definition

### 6.1.1.4 Message Structure

Please follow ODF Swimming Data Dictionary definition.

### 6.1.1.5 Message Values

Please follow ODF Swimming Data Dictionary definition without sending UI\_RESULTS /SW\_LEADER\_SPLIT /SW\_DIFF\_WC as there are no split times in records.

### 6.1.1.6 Message sort

Please follow ODF Swimming Data Dictionary definition.

## 6.1.2 RT Cumulative Results

Please follow ODF Swimming Data Dictionary definition.



# DOCUMENT CONTROL

## Version history

Version	Date	Comments
R2 v1.0	06 May 2011	Submitted for review version
R2 v1.0	03 Jun 2011	Submitted for approval version
R2 v1.0	20 Jun 2011	Approved version
R2 v1.1	03 Oct 2011	Some minor issues
R2 v1.2	02 Dec 2011	Some minor issues
R2 v2.0	12 Mar 2012	IR101
<b>R2 v2.1</b>	<b>13 Apr 2012</b>	<b>Some minor issues</b>

**File reference:** ODF/INT083-R2-v2.1 APP (SW)

## Change Log

Version	Status	Changes on version
R2 v1.0	SFR	<ul style="list-style-type: none"><li>• First version</li></ul>
R2 v1.0	SFA	<ul style="list-style-type: none"><li>• No changes</li></ul>
R2 v1.0	APP	<ul style="list-style-type: none"><li>• No changes</li></ul>
R2 v1.1	APP	<ul style="list-style-type: none"><li>• Some messages have been added in Point in Time: DT_HISTORIC_RECORD, DT_HIST_REC_UPDATE, DT_PHASE_RESULT, DT_CUMULATIVE_RESULT, DT_RECORD and DT_CONFIG.</li></ul>
R2 v1.2	APP	<ul style="list-style-type: none"><li>• Start List:<ul style="list-style-type: none"><li>▪ Message Structure: UnitInfos /UnitInfo element should not be sent as the data about Best Performers is not needed in Paralympic Swimming.</li></ul></li><li>• Historical records &amp; Records:<ul style="list-style-type: none"><li>▪ HistoricalRecords /Record /RecordType /ExtRecords /ExtRecord and Record /RecordType /RecordEntries /RecordEntry /ExtRecords /ExtRecord elements should not be sent as there are not any split times on the records in Paralympic Swimming.</li></ul></li><li>• RT Event Unit Results:<ul style="list-style-type: none"><li>▪ UI_RESULTS /SW_LEADER_SPLIT /SW_DIFF_WC code should not be sent as there are not any split times on the records in Paralympic Swimming.</li></ul></li></ul>
R2 v2.0	APP	<ul style="list-style-type: none"><li>• IR101: DT_SERIAL message added in the PiT messages.</li></ul>
<b>R2 v2.1</b>	<b>APP</b>	<ul style="list-style-type: none"><li>• <b>Codes:</b><ul style="list-style-type: none"><li>▪ <b>CC @SportClass value has been updated (#66621).</b></li></ul></li></ul>



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