

Metadata Application Profile for describing



event records

designed by
Katherine Polley
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Introduction

This document outlines a metadata application profile for describing U.S. Figure Skating competition event records. Currently, the U.S. Figure Skating Association, the International Skating Union, and NBC Sports keep a variety of records of international and U.S. domestic figure skating events, such as video recordings, event calendars and announcements, and event results and score sheets. However, these different pieces of information regarding an event are not easily accessible, as they appear in a variety of different repositories that are disconnected from each other and not easy to search, due to both a lack of search structure or a lack of searchable metadata description. Centralized and unified metadata is necessary to make these figure skating objects findable and accessible.

This profile focuses on individual figure skating events, meaning single parts of a competition that features like skaters competing under a single set of rules. For example, the Senior Ladies Free Skating event is part of the U.S. Figure Skating Championships competition. This relationship is reflected in the modular structure of the application profile. The five modules include a technical description of the event, the competition of which the event is a part, the competitors entered in the event, the judging panel, and the video recording of the event. There are also local vocabulary lists for discipline, segment, and level, based largely on the USFS and ISU competitive structure. Other federations may use other vocabulary terms.

This application profile is based primarily on metadata elements from schema.org, though some of these elements had to be modified for the figure skating context, and some unique local elements had to be added to create a complete and useful description of a figure skating event. While the definitions are specific to figure skating, many of the elements and modules are named generally enough that they could potentially be repurposed, with minor modification, to describe events in other sports.

event modular structure

A record for a figure skating event should contain these five modules and their subelements as dictated by the specifications on the following pages.

description

The general technical description of the event.
Includes the event name, date, discipline, segment, level, age category, qualification for entry, scoring system, results, and judges' score sheets.

competition

The competition of which the event is a part.
Includes the name of the competition, the competition series it is part of, start and end dates, and location (city) and venue (arena and rink).

competitors

The athletes/teams entered to compete in the event.
Includes competitors in the form of either athletes, teams, or athletes that are part of teams, including skater biography and club and federation represented.

panel of judges

The people officiating or judging the event.
Includes the list of officials, their names, roles on the judging or technical panel, and their home town or represented federation if indicated.

video recording

Description of the official video recording of the event.
Includes details about the host of the video and the video's title, URL, date of upload, duration, and language of video text, commentary, and/or announcements.

Sports Event

<event>

Local URI https://kpfs.com/event

Based On https://schema.org/SportsEvent

Definition The root element for describing a figure skating event.

Wrapper for five descriptive modules.

Obligation Mandatory

Occurrence Not repeatable

Value Empty, wrapper only

Attributes None

Comment None

Root Encoding Example:

```
<event>
    <description> ... </description>
    <competition> ... </competition>
    <competitors> ...</competitors>
    <panel> ... </panel>
    <video> ... </video>
</event>
```

See Individual Module Examples for More Details.

See the [USFS](#) and [ISU](#) Rulebooks and Websites for additional information, including definitions for vocabulary terms.

Description

<description>

Local URI https://kpfs.com/description

Based On None

Definition Wrapper for metadata describing the identifying information and technical specifications of the event.

Obligation Mandatory

Occurrence Not repeatable

Value Empty, wrapper only

Attributes None

Comment None

Module Encoding Example:

```
<description>
  <name>Championship Pairs / Free Skate</name>
  <date>2021-01-16</date>
  <discipline>Pairs</discipline>
  <segment medal="combined">Free Skate</segment>
  <level>Senior</level>
  <qualification rank="National">Qualifying
    </qualification>
  <scoringSystem>IJS</scoringSystem>
  <results>https://ijs.usfigureskating.org/
    leaderboard/results/2021/27989/CAT003SEG006
    .html</results>
  <scoreSheets>https://ijs.usfigureskating.org/
    leaderboard/results/2021/27989/SEGM006
    .html</scoreSheets>
</description>
```

Name

<name>

Local URI	https://kpfs.com/name
Based On	https://schema.org/name
Definition	Global element. Name of a person, thing, event, etc. Name should come from an official source describing that entity.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Text
Attributes	None
Comment	None

Date

<date>

Local URI	https://kpfs.com/date
Based On	None
Definition	The date on which the event occurred.
Obligation	Mandatory
Occurrence	Not repeatable
Value	ISO-8601 date
Attributes	None
Comment	None

Discipline

<discipline>

Local URI	https://kpfs.com/discipline
Based On	None
Definition	The discipline of figure skating represented in the event, such as singles, pairs, ice dance, and synchronized skating.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Disciplines & Segments vocabulary, left column (next page).
Attributes	None
Comment	See USFS Rulebook and handbooks for discipline definitions.

Segment

<segment>

Local URI	https://kpfs.com/segment
Based On	None
Definition	The sub-discipline represented in the event, or the portion of a competition title that includes multiple events.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Disciplines & Segments, right column, based on discipline.
Attributes	Medal: how medal is awarded (individual/combined score)
Comment	See USFS Rulebook and handbooks for segment definitions.

Disciplines & Segments

Ladies' Singles	Short Program Free Skate/Free Skating Qualifying Free Skating
Men's Singles	Short Program Free Skate/Free Skating Qualifying Free Skating
Pairs	Short Program Free Skate/Free Skating
Ice Dance	Rhythm Dance Free Dance Pattern Dance Compulsory Dance Original Dance
Solo Dance	Pattern Dance Free Dance Combined Dance Shadow Dance
Synchronized Skating	Short Program Free Skate/Free Skating
Showcase	Light Entertainment Light Character Performance Comedic Impressions Lyrical Pop Dramatic Entertainment Dramatic Performance Dramatic Character Performance Interpretive Choreographic Artistry Duo-Trio Ensembles Mini-Production Ensembles Parade of Champions Choreographic Exercise Free Program
Theatre On Ice	

Level

<level>

Local URI	https://kpfs.com/level
Based On	None
Definition	The skill level of the event, typically correspond to testing level required for entry into the competition event.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Standard & Adult Levels vocabulary: next page, any value
Attributes	None
Comment	See USFS Rulebook and handbooks for level definitions.

Age Category

<ageCategory>

Local URI	https://kpfs.com/ageCategory
Based On	Name
Definition	Age restrictions placed on an event, typically used for adult competitions where events are subdivided by age.
Obligation	Optional
Occurrence	Not repeatable
Value	Text, generally using roman numerals I-V
Attributes	None
Comment	Include age range with category label where possible.

Standard & Adult Levels

Championship	Championship Masters Championship Adult
Senior	Championship Masters Junior-Senior
Junior	Masters Junior-Senior
Novice	Championship Masters Intermediate-Novice
Intermediate	Masters Intermediate-Novice
Juvenile	
Open Juvenile	
Pre-Juvenile	
Preliminary	
Pre-Preliminary	
	Centennial
	Masters
Young Adult	Adult
Open	Adult/Masters Open
International	
Gold	Championship Adult Gold Adult Gold
Pre-Gold	Adult Pre-Gold
Silver	Championship Adult Silver Adult Silver
Pre-Silver	Adult Pre-Silver
Bronze	Adult Bronze
Pre-Bronze	Adult Pre-Bronze
Collegiate	
Adaptive	

If multiple levels are combined into a single event, levels should be joined with a hyphen, such as Gold-International or Adult Silver-Centennial

Qualification <qualification>

Local URI	https://kpfs.com/qualification
Based On	Name
Definition	Whether or not an event is qualifying (entry based on competition performance) or non-qualifying (open entry).
Obligation	Mandatory
Occurrence	Not repeatable
Value	Text: qualifying, non-qualifying, championship, etc.
Attributes	Rank: event's position in qualifying competition structure
Comment	Only include rank attribute for qualifying competitions

Scoring Sys. <scoringSystem>

Local URI	https://kpfs.com/scoringSystem
Based On	None
Definition	The scoring system used to judge the event.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Text, either 6.0 or IJS
Attributes	None
Comment	IJS = International/ISU Judging System or Code of Points

Results

<results>

Local URI	https://kpfs.com/results
Based On	None
Definition	Link to the official results of the event from isureresults.com (international) or ijs.usfigureskating.org (U.S.)
Obligation	Mandatory
Occurrence	Not repeatable
Value	URL link
Attributes	None
Comment	isu.org and usfigureskating.org may link to event results.

Score Sheets

<scoreSheets>

Local URI	https://kpfs.com/scoreSheets
Based On	None
Definition	Link to the detailed judges' score sheets for the event, typically a PDF document instead of a webpage.
Obligation	Optional
Occurrence	Not repeatable
Value	URL link
Attributes	None
Comment	None

Competition

<competition>

Local URI https://kpfs.com/competition

Based On None

Definition Wrapper for the metadata about the competition that includes the event being described in the record.

Obligation Mandatory

Occurrence Not repeatable

Value Empty, wrapper only

Attributes None

Comment None

Module Encoding Example:

```
<competition>
    <name>
        2021 Toyota U.S. Figure Skating Championships
    </name>
    <series>
        2021 U.S. Championship Series
    </series>
    <startDate>2021-01-09</startDate>
    <endDate>2021-01-21</endDate>
    <location source="LCNAF">
        Las Vegas (Nev.)
    </location>
    <venue>The Orleans Arena</venue>
</competition>
```

Name

<name>

Local URI	https://kpfs.com/name
Based On	https://schema.org/name
Definition	Global element. Name of a person, thing, event, etc. Name should come from an official source describing that entity.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Text
Attributes	None
Comment	None

Series

<series>

Local URI	https://kpfs.com/series
Based On	None
Definition	The competition series that the competition is a part of, typically for related or qualifying competitions.
Obligation	Optional
Occurrence	Not repeatable
Value	Text
Attributes	None
Comment	None

Start Date

<startDate>

Local URI <https://kpfs.com/startDate>

Based On <https://schema.org/startDate>

Definition The first day of the competition or the day of the first event in the competition. Refer to results or announcements.

Obligation Mandatory

Occurrence Not repeatable

Value ISO-8601 date

Attributes None

Comment There may not be an event on the competition start date.

End Date

<endDate>

Local URI <https://kpfs.com/endDate>

Based On <https://schema.org/endDate>

Definition The last day of competition or the day of the last event or competition gala. Refer to event results or announcements.

Obligation Mandatory

Occurrence Not repeatable

Value ISO-8601 date

Attributes None

Comment The end date may be listed as after the date of the last event.

Location

<location>

Local URI	https://kpfs.com/location
Based On	https://schema.org/location
Definition	The city in which the competition is located. Include state/region and/or country where applicable.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Text, use LCNAF where possible
Attributes	Source: name authority used, SourceID: authority ID
Comment	None

Venue

<venue>

Local URI	https://kpfs.com/venue
Based On	None
Definition	The name of the arena or rink where the competition took place within the city listed in the location element.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Text
Attributes	Rink: rink name(s) at venue, Host: name of host club
Comment	Results and announcements often contain venue info.

Competitors

<competitors>

Local URI	https://kpfs.com/competitors
Based On	https://schema.org/competitor
Definition	Wrapper for the list of entrants competing in the event, which can include skaters, skaters in pair teams, and teams.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Empty, wrapper only
Attributes	None
Comment	Competitor format should be consistent within an event.

Module Encoding Example:

```
<competitors>
  <athlete>
    <name>Elizaveta TUKTAMYSHEVA</name>
    <bio source="ISU" sourceID="00010705">
      http://www.isuresults.com/bios/isufs00010705.htm
    </bio>
    <bio source="Wikipedia">
      en.wikipedia.org/wiki/Elizaveta_Tuktamysheva
    </bio>
    <federation isucode="FSR">
      Figure Skaters of Russia
    </federation>
  </athlete>
  ...
</competitors>
```

Athlete

<athlete>

Local URI	https://kpfs.com/athlete
Based On	https://schema.org/athlete
Definition	An individual skater competing in the event. Multiple individual skaters may be combined into a team.
Obligation	Optional (Teams and/or Athletes must be present)
Occurrence	Repeatable
Value	Empty, wrapper only
Attributes	None
Comment	Athletes may be singles or in a team (for pairs and dance)

Team

<team>

Local URI	https://kpfs.com/team
Based On	https://schema.org/SportsTeam
Definition	A pair or team of skaters competing in the event. Individual skaters may or may not be identified within a pair or team.
Obligation	Optional (Teams and/or Athletes must be present)
Occurrence	Repeatable
Value	Empty, wrapper only
Attributes	None
Comment	Teams may be identified by team name or skater names

Team Examples

.....

Team Identified by Skaters (Pairs, Dance):

```
<team>
    <athlete>
        <name>Madison CHOCH</name>
        <club>All Year FSC</club>
    <athlete>
    <athlete>
        <name>Evan BATES</name>
        <club>Ann Arbor FSC</club>
    </athlete>
    <bio source="ISU" sourceID="00013665">
        http://www.isuresults.com/bios/isufs00013665.htm
    </bio>
    <federation isucode="USA" source="LCNAF">
        United States
    </federation>
</team>
```

.....

Team Identified by Name (Synchro, Showcase):

```
<team>
    <name>Haydenettes</name>
    <bio source="Wikipedia">
        https://en.wikipedia.org/wiki/Haydenettes
    </bio>
    <club>Hayden Recreation Centre FSC</club>
</team>
```

Name

<name>

Local URI	https://kpfs.com/name
Based On	https://schema.org/name
Definition	Global element. Name of a person, thing, event, etc. Name should come from an official source describing that entity.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Text
Attributes	None
Comment	None

Biography

<bio>

Local URI	https://kpfs.com/bio
Based On	None
Definition	Link to a biography with additional information about the athlete or team.
Obligation	Optional
Occurrence	Repeatable
Value	URL link
Attributes	Source: source of the bio, SourceID: id from the source site.
Comment	isuresults.com/bios is ideal, but other sources may be used

Club

<club>

Local URI	https://kpfs.com/club
Based On	https://schema.org/affiliation
Definition	The club represented by a competitor. May be "independent" for skaters not part of a club.
Obligation	Optional
Occurrence	Not repeatable
Value	Text
Attributes	None
Comment	Competitor should have either club or federation, or both.

Federation

<federation>

Local URI	https://kpfs.com/federation
Based On	https://schema.org/affiliation
Definition	The federation represented by a competitor. Federation names will typically match country names, but not always.
Obligation	Optional
Occurrence	Not repeatable
Value	Text
Attributes	ISUCode: three letter code used by ISU. Source, SourceID
Comment	Competitor should have either club or federation, or both.

Panel of Judges

<panel>

Local URI https://kpfs.com/panel

Based On None

Definition Wrapper for list of judges, referees, technical controllers, assistants, and other officers officiating the event.

Obligation Mandatory

Occurrence Not repeatable

Value Empty, wrapper only

Attributes None

Comment None

Module Encoding Example:

```
<panel>
  <official>
    <name>Lorrie Parker</name>
    <role>Judge 1</role>
    <represents>Morristown, NJ</represents>
  </official>
  <official>
    <name>Gale Tanger</name>
    <role>Technical Controller</role>
    <represents>Wauwatosa, WI</represents>
  </official>
  ...
</panel>
```

Official

<official>

Local URI https://kpfs.com/official

Based On None

Definition Wrapper for the information about the event official.

Obligation Mandatory

Occurrence Repeatable

Value Empty, wrapper only

Attributes None

Comment None

Name

<name>

Local URI https://kpfs.com/name

Based On https://schema.org/name

Definition Global element. Name of a person, thing, event, etc. Name should come from an official source describing that entity.

Obligation Mandatory

Occurrence Not repeatable

Value Text

Attributes None

Comment None

Role

<role>

Local URI	https://kpfs.com/role
Based On	https://schema.org/roleName
Definition	The role of the official on the judging or technical panel.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Text
Attributes	None
Comment	None

Represents

<represents>

Local URI	https://kpfs.com/represents
Based On	https://schema.org/affiliation
Definition	The city, club, or federation listed with an official's name in the event/results information where applicable.
Obligation	Optional
Occurrence	Not repeatable
Value	Text
Attributes	None
Comment	None

Video Recording <video>

Local URI	https://kpfs.com/video
Based On	https://schema.org/VideoObject
Definition	Wrapper for information about the video recording of the event. Official recordings are preferred.
Obligation	Optional
Occurrence	Repeatable
Value	Empty, wrapper only
Attributes	None
Comment	None

Module Encoding Example:

```
<video>
    <host access="public">
        U.S. Figure Skating Fan Zone
    </host>
    <title>
        2020 U.S. Figure Skating Championships
        - Senior Dance RD
    </title>
    <url>
        https://usfigureskatingfanzone.com/watch/?
        Archive=2280&category=127&type=Archive
    </url>
    <uploadDate>2020-01-24</uploadDate>
    <duration>T01H10M41S</duration>
    <language>eng</language>
</video>
```

Host Site

<host>

Local URI	https://kpfs.com/host
Based On	https://schema.org/name
Definition	The name of the site or streaming service where the video recording is hosted.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Text
Attributes	Access: how to access the video, such as via a subscription
Comment	Common hosts: USFS Fan Zone (public), Peacock (subscribe)

Title

<title>

Local URI	https://kpfs.com/title
Based On	https://schema.org/title
Definition	The title given to the video recording. May or may not be the same as the event title.
Obligation	Mandatory
Occurrence	Not repeatable
Value	Text
Attributes	None
Comment	None

URL

<url>

Local URI https://kpfs.com/url

Based On https://schema.org/url

Definition Link to the recording.

Obligation Mandatory

Occurrence Not repeatable

Value URL link

Attributes None

Comment None

Upload Date

<uploadDate>

Local URI https://kpfs.com/date

Based On https://schema.org/uploadDate

Definition The date when the recording was uploaded or streamed for the first time, depending on the nature of the host.

Obligation Optional

Occurrence Not repeatable

Value ISO-8601 date

Attributes None

Comment None

Duration

<duration>

Local URI <https://kpfs.com/duration>

Based On <https://schema.org/timeRequired>

Definition The length of the video.

Obligation Optional

Occurrence Not repeatable

Value ISO-6801 duration

Attributes None

Comment None

Language

<language>

Local URI <https://kpfs.com/language>

Based On <https://schema.org/language>

Definition The language that the recording is in, especially if there is commentary, announcements, or title cards.

Obligation Optional

Occurrence Repeatable

Value ISO 639-2 language code

Attributes Component: the part of the video in that language

Comment Component attribute is optional, useful for multiple langs.

Crosswalks

Local	Dublin Core	MODS
Sports Event		
Description		
Event Name	Title	Title Info
Date	Date	Date Other
Discipline		
Segment		
Level	Description	Note
Age Category		
Qualification		
Scoring System	Type	
Results		
Score Sheets	Relation	Related Item
Competition	Is Part Of	
Competition Name	Title	Part Name
Series	Title	Part Name
Start Date	Temporal Coverage	Temporal
End Date		
Location		
Venue	Spatial Coverage	Geographic

Crosswalks

Local	Dublin Core	MODS
Competitors		
Athlete		
Team		
Competitor Name	Contributor	Name
Biography		Name Identifier
Club		Affiliation
Federation		
Panel of Officials		
Official		
Official Name	Contributor	Name
Role		Role
Represents		Affiliation
Video Recording	Relation	Related Item
Host Site	Publisher	Publisher
Title	Title	Title Info
URL	Identifier	Identifier
Upload Date	Issued	Date Issued
Duration	Extent	Extent
Language	Language	Language