

ALGE-TIMING

XML Specification for OPTIc2.NET and OPTIc3.NET Import and Export

Documentation

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Revisions		
April 11, 2018	Changes to Ids	Tobias Däuber

1 Heat Import

- Recommended encoding is UTF8, but any encoding is accepted
- Content of the file can be either an XML document (including header) or a fragment only
- File needs to be named with a .heatxml extension
- Attributes shall only be included when containing meaningful values (e.g. if bib is zero or lane is not applicable then no attribute should be written)
- Ids need to be unique throughout the whole meet

1.1 Example

```
<Heat Id="RandomHeatNr1" Name="Random heat" Nr="5" ScheduledStarttime="12:35">
  <Competitor Bib="7" Lane="1" Lastname="Däuber" Firstname="Joachim" Nation="GER" />
  <Competitor Bib="7" Lastname="Kaufmann" Firstname="Bianca" />
  <Competitor Bib="9" Lastname="Schreiber" Firstname="Tamara" />
  <Competitor Bib="9" Lastname="Schneider" Firstname="Katharina" />
  <Competitor Bib="9" Lastname="Busch" Firstname="Reiner" />
  <Competitor Bib="5" Lastname="Klotzbäcker" Firstname="Dirk" />
</Heat>
```

1.2 Description

Element	Attribute	Datatype	Description
Heat	Name	String	Name of the heat in this file
	ScheduledStarttime	Time	Time of the scheduled start time, hours need to be given (optional)
	Id	String	Used for identification of this heat
	Nr	Integer	Number of the heat (other than index)
	Distance	Integer	The distance for this heat in meters (optional) (in relays e
	WindMeasurement	Enum	The wind measurement to be used (optional, if not specified software tries to resolve wind measurement on its own) "None", "5Seconds", "10Seconds", "13Seconds", "10SecondsWith10SecondsDelay"
	UserDistance	String	The distance as a string (optional)
	DistanceType	Enum	Type of distance to allow calculation of wind mode (optional). "Regular", "Hurdles", "Relay", "Steeplechase"

Competitor	Bib	Integer	Bib
	Lane	Integer	Lane
	Starttime	Time	Time of day of the start time
	Lastname	String	Last name
	Firstname	String	First name
	Nation	String	Nation
	Club	String	Club
	Code	String	Federation Code
	Gender	String	Gender (M, F, any other)
	Horse	String	Horse
	HorseDriver	String	Driver of the horse
	HorseOwner	String	Owner of the horse
	City	String	City
	Team	String	Team
	Class	String	Class
	Reserved1	String	Reserved
	Reserved2	String	Reserved
	Reserved3	String	Reserved
	Reserved4	String	Reserved
	Reserved5	String	Reserved

2 Meet Import

- Recommended encoding is UTF8, but any encoding is accepted
- Content of the file can be either an XML document (including header) or a fragment only
- File needs to be named with a .meetxml extension
- Attributes shall only be included when containing meaningful values (e.g. if bib is zero or lane is not applicable then no attribute should be written)
- Structure resembles the one found in OPTIc2Net (one meet contains many sessions, each session contains many events, and each event contains many heats)
- Ids need to be unique throughout the whole meet

2.1 Example

```
<?xml version="1.0" encoding="utf-8"?>
<Meet xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" Name="ALGE DEMO Süddeutsche Meisterschaften Aktive und U18" Id="alc427b6-1473-447b-9deb-09e5079d949d" City="Wetzlar">
  <Session Name="2017-07-01" Id="2017-07-01" Nr="1" Location="Städtisches Stadion" Type="Run" Date="2017-07-01">
    <Event Name="100m M - Vorläufe" Id="a7544d57-93e7-446b-b0e3-cd674c204a93" Distance="100" DistanceType="Regular">
      <Heat Name="100m M - Lauf 1" ScheduledStarttime="11:55" Id="5e112908-f0d0-4b57-918f-ab1c078275cf" Nr="1" Distance="100" DistanceType="Regular">
        <Competitor Bib="128" Lane="2" Lastname="Martini" Firstname="Jens" Nation="GER" Club="TV Elm" Gender="M" Class="M" />
        <Competitor Bib="1090" Lane="3" Lastname="Pohl" Firstname="Michael" Nation="GER" Club="Wiesbadener LV" Gender="M" Class="M" />
        <Competitor Bib="780" Lane="4" Lastname="Kirstges" Firstname="Pascal" Nation="GER" Club="LG Rhein-Wied" Gender="M" Class="M" />
        <Competitor Bib="196" Lane="5" Lastname="Kranz" Firstname="Kevin" Nation="GER" Club="LG Eintracht Frankfurt" Gender="M" Class="M" />
        <Competitor Bib="1050" Lane="6" Lastname="Hoffmann" Firstname="Pascal" Nation="" Club="LG Weissacher Tal" Gender="M" Class="M" />
        <Competitor Bib="145" Lane="7" Lastname="Bölller" Firstname="Sven" Nation="" Club="LG Erlangen" Gender="M" Class="M" />
        <Competitor Bib="146" Lane="8" Lastname="Knauer" Firstname="Thomas" Nation="" Club="LG Erlangen" Gender="M" Class="M" />
      </Heat>
      <Heat Name="100m M - Lauf 2" ScheduledStarttime="12:00" Id="0bdd0b70-eeal-456b-80ed-f8fe7659e39d" Nr="2" Distance="100" DistanceType="Regular">
        <Competitor Bib="148" Lane="1" Lastname="Schuster" Firstname="Alexander" Nation="" Club="LG Erlangen" Gender="M" Class="M" />
        <Competitor Bib="1124" Lane="2" Lastname="Boakye" Firstname="Thomas" Nation="" Club="TSV SCHOTT Mainz" Gender="M" Class="M" />
        <Competitor Bib="1082" Lane="3" Lastname="Daum" Firstname="Florian" Nation="GER" Club="Wiesbadener LV" Gender="M" Class="M" />
        <Competitor Bib="1084" Lane="4" Lastname="Kefler" Firstname="Nils" Nation="GER" Club="Wiesbadener LV" Gender="M" Class="M" />
        <Competitor Bib="238" Lane="5" Lastname="Hieronymi" Firstname="Lars" Nation="GER" Club="LG OVAG Friedberg-Fauerbach" Gender="M" Class="M" />
        <Competitor Bib="274" Lane="6" Lastname="Wehner" Firstname="Manuel" Nation="GER" Club="LG Fulda e.V." Gender="M" Class="M" />
        <Competitor Bib="812" Lane="7" Lastname="Hind" Firstname="Robert" Nation="GER" Club="LAZ SAAR 05 Saarbrücken" Gender="M" Class="M" />
        <Competitor Bib="394" Lane="8" Lastname="Ziegler" Firstname="Thomas" Nation="" Club="TSG 1845 Heilbronn" Gender="M" Class="M" />
      </Heat>
    </Event>
  </Session>
</Meet>
```

2.2 Description

Element	Attribute	Datatype	Description
Meet	Name	String	Name of the meet
	Id	String	Used for identification of this meet
	City	String	City of the meet
	Nation	String	Nation of the meet
	Organizer	String	Organizer of the meet
	Promoter	String	Promoter of the meet
	Timing	String	Timing provider of the meet

Session	Name	String	Name of the session
	Id	String	Used for identification of this session
	Nr	Integer	Number of the session (other than index)
	Location	String	Location of the session
	Type	String	Type of the session
	Date	Date	Date of the session (yyyy-MM-dd)
Event	Name	String	Name of the event
	Id	String	Used for identification of this event
	Nr	Integer	Number of the event (other than index)
	Distance	Integer	The distance for this event in meters (optional)
	WindMeasurement	Enum	The wind measurement to be used (optional, if not specified software tries to resolve wind measurement on its own) "None", "5Seconds", "10Seconds", "13Seconds", "10SecondsWith10SecondsDelay"
	UserDistance	String	The distance as a string (optional)
	DistanceType	Enum	Type of distance to allow calculation of wind mode (optional). "Regular", "Hurdles", "Relay", "Steeplechase"

3 Export

- Encoding is UTF8
- Content is an XML document including header
- File name will be the name of the heat and .heatresultxml extension
- Attributes will only be written when the corresponding value is valid (e.g. bib or rank is other than zero, nation is not blank, ...)

3.1 Example

```
<HeatResult      HeatId="1"          Id="RandomHeatNr1"      Name="Testheat"      Wind="2.8"
  WindUnit="MetersPerSecond">
  <Results>
    <Competitor   Rank="1"    Bib="1"    Lane="4"    Runtime="45.58"    Lastname=""    Firstname=""
Nation=""      />
    <Competitor   Rank="1"    Bib="2"    Lane="5"    Runtime="45.68"    Lastname=""    Firstname=""    Nation=""    />
    <Competitor   Rank="2"    Bib="3"    Lane="6"    Runtime="1:01.35"    Lastname=""    Firstname=""    Nation=""    />
  </Results>
</HeatResult>
```

3.2 Description

Element	Attribute	Datatype	Description
HeatResult	Name	String	Name of the exported heat
	HeatId	Integer	Id within software (for internal use only)
	Id	String	The id that was imported for this heat
	Nr	Integer	The number of this heat
	SessionId	String	The id that was imported for this session
	SessionNr	Integer	The number of this session
	EventId	String	The id that was imported for this event
	EventNr	Integer	The number of this event
	Starttime	String	Starttime of the heat
	Runtime	String	Runtime of the heat
	Wind	Decimal	Value of the wind
	WindUnit	Enum	Unit of the wind (as of now only MetersPerSecond)
	DistanceMeters	Integer	Distance of this heat in meters if available
	Competitor	Rank	Integer
	Other columns same as import		

Subject to changes

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