INTERFACE FOR EVENTS

Import and Export of events

API AND DATAFORMAT DOCUMENTATIOON

All events are available via a central database powered by LADV. All events can be imported via interface. This document contains the updates for event format2023 which replaces format2021.

Udo Laub
09/15/2023

Interface description: German Athletics events

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Versions

version	date	Author	comment
3.00	06/22/2020	Udo Laub	The newly defined data exchange of events. Version 3 replaces version 2.0 from June 15, 2020.
3.01	10/12/2020	Udo Laub	New EventCategory, inclusion of the table with the event types, clarification UPDATED, CREATED. Encoding is UTF-8.
3.02	10/22/2020	Udo Laub	List of all checks. http codes. Event categories
3.03	01/13/2021	Udo Laub	Providing links to (live) results
3.10	09/15/2023	Udo Laub	New dataformat 2023

Annotation:
The changes made are in color until a new version is created <mark>yellow</mark> or. <mark>Green</mark> marked.

General explanations

Event: German Championships 5/8/2021 in Braunschweig
Competition: 100m men
Discipline: 100m

All athletics events in Germany or relevant for German athletes are stored in the events database (short DVD).

The regional associations determine in which system they create and manage their events (master system, leading system). The data can be logged from this master system and retrieved from external systems. There can only be one master system per regional association.

The following describes the data structure that is required for an import or an export.

The endpoint for the API is: https://dateien.leichtathletik.de/.

Where possible data format specification is provided via machine readable standard formats (XML-Schema for XML based formats, Open API specification for the API and JSON based formats).

The events database offers several endpoints to manage events, metadata and other related information:

Events API: https://dateien.leichtathletik.de/events/
Documentation: https://dateien.leichtathletik.de/meta/openapidoc#/events

Metadata API: https://dateien.leichtathletik.de/meta/
Documentation: https://dateien.leichtathletik.de/meta/openapidoc#/meta

Tracks API: https://dateien.leichtathletik.de/tracks/
Documentation: https://dateien.leichtathletik.de/meta/openapidoc#/tracks

Results API: https://dateien.leichtathletik.de/results/
Documentation: https://github.com/Deutscher-Leichtathletikverband/Interfaces/blob/main/dvd-results-api.md

DED Link API: https://dateien.leichtathletik.de/results/

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Documentation: https://github.com/Deutscher-Leichtathletikverband/Interfaces/blob/main/dvd-dedlink-api.md

Basics

Events
Each event is identified by a unique event id, the event number.

Coding
All XML and json based formats use UTF-8 as encoding.

The xsd structure
The information is given to the best of our knowledge and belief, but without guarantee. The xsd can be found under: XSD · Deutscher-Leichtathletikverband/Interfaces (github.com)

The xsd defines the basic structure for the data format. In this documentation there are further regulations that must be observed. If necessary, a data field that is not defined as "required" in the xsd can be a mandatory field for certain competitions, depending on the specifications in this document.

Further checks
For each event to be stored in DVD, further validation of the content is performed beyond the xsd specification. Here are some examples of the checks, the list is not complete:

Dates
- The end date is after the start date (http 400: "Event.DateEnd is before Event.DateStart")
- The start date is more than 2000 days in the future (http 400: "Event.DateStart is too far in the future")
- The start date is before 2010 (http 400: "Event.DateStart is too far in the past")
- The end date is more than 100 days after the start date (http 400: "Event.DateStart and Event.DateEnd are to distant (Event is too long)"

Consistency
- The event type and event category do not match (http 400: "Event.Type and Event.EventCategory are inconsistent"
- The event type and event category do not match (http 400: "Event.Type and Event.EventType are inconsistent")

Mail addresses and links
- Mail addresses and links are checked for "validity" (examples: http 400: "Event.Organizer.Email is not valid", "Event.SignOnUrl is not valid")
- An email address must be stored for the organizer (example: http 400: "Event.Organizer.Email may not be empty")

Competitions
- An event away outside the stadium has competitions that are intended for events in the stadium (http 400: "NONSTADIA event may not have standard disciplines")
- An event close to the stadium has competitions that are intended for events outside the stadium (http 400: "STADIA event may not have run disciplines")

Organizer
- Missing for the organizer: And / or first name, last name, street, zip code, city (http 400: "Event.Organizer.FirstName is required", "Event.Organizer.LastName is required", "Event.Organizer.Street is required", "Event.Organizer.ZipCode is required", "Event.Organizer.City is required")

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Event

- Missing for the event: And / or location, street, zip code, city (http 400: "" Event.Comp.StartPlace is required "," Event.Comp.Street is required "," Event.Comp.ZipCode is required "," Event.Comp.City is required ")

Structure: Event

XML-Schema:

https://github.com/Deutscher-Leichtathletikverband/Interfaces/blob/main/xsd/Events-format2023.xsd and
https://github.com/Deutscher-Leichtathletikverband/Interfaces/blob/main/xsd/Events-format2023list.xsd

Sample files: https://github.com/Deutscher-Leichtathletikverband/Interfaces/tree/main/samples/event-format-2023

AgeGroups
See the OpenAPI documentation: DVD API Documentation - age groups

Disciplines
See the OpenAPI documentation: DVD API Documentation - disciplines

Disciplines for the agegroups
Which disciplines are relevant for an agegroup?
See the OpenAPI documentation: DVD API Documentation - disciplines for an agegroup

Discipline blocks
All disciplines are assigned to a discipline block. Example: Long jump is a horizontal jump and high jump is a vertical jump.
See the OpenAPI documentation: DVD API Documentation - discipline blocks

Discipline groups
The discipline groups are assigned to a discipline block. Example: Long jump and high jump belong to the discipline block jump.
See the OpenAPI documentation: DVD API Documentation - discipline groups

The regional associations

StateCode	StateID	StateNameDE
BA	1	Badischer Leichtathletik-Verband
BY	2	Bayerischer Leichtathletik-Verband
BE	3	Berliner Leichtathletik-Verband
BB	4	Leichtathletik-Verband Brandenburg
BR	5	Bremer Leichtathletik-Verband
HH	6	Hamburger Leichtathletik-Verband
HE	7	Hessischer Leichtathletik-Verband
MV	8	Leichtathletik-Verband Mecklenburg-Vorpommern
NI	9	Niedersächsischer Leichtathletik-Verband
NO	10	Leichtathletik-Verband Nordrhein
PF	11	Leichtathletikverband Pfalz

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StateCode	StateID	StateNameDE
RH	12	Leichtathletik-Verband Rheinhessen
RL	13	Leichtathletik-Verband Rheinland
SL	14	Saarländischer Leichtathletik Bund
SN	15	Leichtathletik-Verband Sachsen
ST	16	Leichtathletikverband Sachsen-Anhalt
SH	17	Schleswig-Holsteinischer Leichtathletik-Verband
TH	18	Thüringer Leichtathletik-Verband
WE	19	Fußball- und Leichtathletik-Verband Westfalen
WÜ	20	Württembergischer Leichtathletik-Verband

table 1: List of regional associations

Districts, counties, clubs, …
You can find the detail information in the xsd for the clubs:
Interfaces/Clubs.xsd at main · Deutscher-Leichtathletikverband/Interfaces (github.com)

Examples:

ID	StateID	Name
BY0001000	BY	Oberbayern
BY0002000	BY	Niederbayern
BY0003000	BY	Oberpfalz
BY0004000	BY	Oberfranken
BY0005000	BY	Mittelfranken
BY0006000	BY	Unterfranken
BY0007000	BY	Schwaben
...		

table 2: List of counties (excerpt)

ID	CountyID	Name
BA0000001	ZERO	Kreis Tauber/Buchen
BA0000002	ZERO	Kreis Mosbach
BA0000003	ZERO	Kreis Sinsheim
BA0000004	ZERO	Kreis Rhein-Neckar
BA0000005	ZERO	Kreis Pforzheim
BA0000006	ZERO	Kreis Bruchsal
BA0000007	ZERO	Kreis Karlsruhe
BA0000008	ZERO	Kreis Rastatt/Baden-Baden/Bühl
BA0000009	ZERO	Kreis Kehl
...		

table 3 List of districts (excerpt)

ID	DistrictID	CountyID	TYPE	Name
BA0000082	BA0000003	ZERO	Club	TV Eppingen
BA0000147	BA0000004	ZERO	Club	TSG 78 Heidelberg
BA0000208	BA0000004	ZERO	Club	TSG 1862 Weinheim
BA0001144	ZERO	ZERO	StG	StG TVEppelheim/Walldorf

BA0001145	ZERO	ZERO	StG	StG Walldorf/TVEppelheim
BA0000536	ZERO	ZERO	LG	LG Ortenau Nord
BA0000132	ZERO	ZERO	LG	LG Kurpfalz
BA9990789	BA0000007	ZERO	ORG	Karlsruhe Event GmbH
BA9996671	ZERO	ZERO	LG	LG Region Karlsruhe
...				

table 4: List of clubs (excerpt)

Event types
See the OpenAPI documentation: DVD API Documentation - event types

Event categories
See the OpenAPI documentation: DVD API Documentation - event categories

Event filegroups
See the OpenAPI documentation: DVD API Documentation - event filegroups

Retrieval of events (GET)
Here are some examples:

GET retrieval of a single event
An event is called up using the event number. The API KEY used must be authorized to access the event.
curl -s -X GET -H "X-Auth-Token: <APIKEY>" "https://dateien.leichtathletik.de/events/20V01000098202600

GET retrieval events with filter:
Access to all events from Baden in 2019:
curl -s -X GET -H "X-Auth-Token: <APIKEY>" "https://dateien.leichtathletik.de/events?DateEventStart=2019-01-01&DateEventEnd=2019-12-31&StateID=BA"

Access to all German championships 2019:
curl -s -X GET -H "X-Auth-Token: <APIKEY>" "https://dateien.leichtathletik.de/events?DateEventStart=2019-01-01&DateEventEnd=2019-12-31&StateID=DM"

Access to all international events 2019:
curl -s -X GET -H "X-Auth-Token: <APIKEY>" "https://dateien.leichtathletik.de/events?DateEventStart=2019-01-01&DateEventEnd=2019-12-31&StateID=INT"

Creation of events (PUT)
Events are created with a PUT.
curl -is -X PUT -H "X-Auth-Token: <APIKEY>" -H "Content-Type: text /xml" -d @ stadia.xml
"https://dateien.leichtathletik.de/events/20L1900000000419"

Modifying Events (POST)
Changing events is done with a POST and specifying the event number.

curl -is -X POST -H "X-Auth-Token: <APIKEY>" -H "Content-Type: text / xml" -d @ stadia.xml "https://dateien.leichtathletik.de/events/20L19000000004199"

Deletion of events (DELETE)

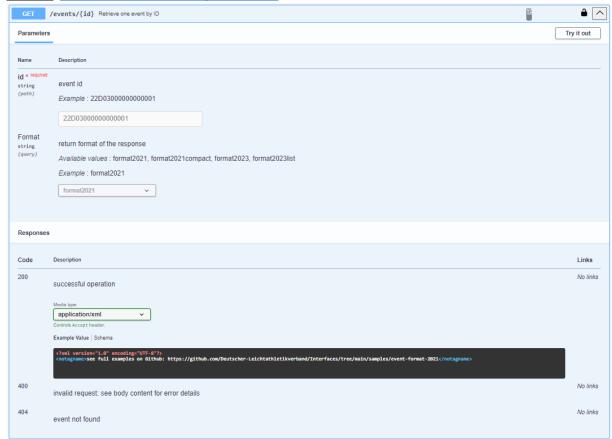Events are changed with a DELETE and specification of the event number.

Delete an event. Events that have been approved by German Athletics or for which German Athletics has issued an invoice cannot be deleted via the API.

curl -is -X DELETE -H "X-Auth-Token: <APIKEY>" "https://dateien.leichtathletik.de/events/20L19000000004199"

HTTP codes

Can be found in the OpenAPI documentation: https://dateien.leichtathletik.de/meta/openapidoc

Example: DVD API Documentation - get_events_id

Restrictions on transmission by regional associations

Some fields cannot be set by regional associations (via the API). The German Athletics system makes this available when requested. The restricted fields are:

Event.Approval.Nation
Event.Approval.Combined
Event.WorldRankingMeeting.Nation
Event.WorldRankingMeeting.Combined
Event.InvalidResults
Run.InvalidResults

Discipline.Normed

Event number

In the new German Athletics system, the following applies to the event number: The first 5 digits (year, type, association) are fixed according to the familiar scheme. All other positions can be freely chosen by the regions (numbers only). Event numbers must be unique.

ID   = Event number (17 characters)

The previous structure can continue to be used or you can use the first one

Enter any unique ID in 5 digits.

structure= Year | Local Organizer | Association | Serial no

          = yy | o | aa | nn nn nn nn nn nn

Year = event year (2 digits)

Local Organizer = local organizer (1 letter)

(V = Club, K = District, B = County, L = Region, D = German Athletics, I = International, O= Other)

> Annotation: The IDs D and I are only for retrieval from DLV-Net.
> Such events cannot be created at the course level. The local organizer (e.g. L for regional association) is also set for German championships.

Association = number of the regional association (2 digits

Commonly used:

00 = German Athletics

99 = Tilastopaja

98 = RKS

for stateIDs see table 1: List of regional associations

No. = Consecutive number (12 digits)

> freely selectable number to make the event id unique

Further information: [Events-format2023 - Event ID](#)

Explanation of additional fields

Annotation: The dates for Created and Updated can always be seen from the point of view of the system that supplies the data. The system that receives data can decide what to do with the date. Only changes to the created or updated date may not trigger a new push.

Only technical changes should lead to a change in the updated date.

Approval.State	Approval status at region level (through the region and / or the levels below)
Approval.Nation	Approval status at German Athletics level
AssociationSupervision	Name of the association supervisor
AssociationSupervisionMail	e-mail address of the association supervisor
EventCancelled	Has the event been canceled? (TRUE = yes, FALSE = no, it is carried out)

Description of the approval status

"NONE":   This event does not fall under the jurisdiction of this association and therefore Approval is not relevant

"OPEN":   The event has been requested, but neither approved nor rejected.
"APPROVED":   The event is approved.
"REJECTED":   The event has been rejected.

Nation	State	Combined
NONE	NONE	NONE
NONE	OPEN	OPEN
NONE	APPROVED	APPROVED
NONE	REJECTED	REJECTED
OPEN	NONE	OPEN
OPEN	OPEN	OPEN
OPEN	APPROVED	OPEN
OPEN	REJECTED	REJECTED
APPROVED	NONE	APPROVED
APPROVED	OPEN	OPEN
APPROVED	APPROVED	APPROVED
APPROVED	REJECTED	REJECTED
REJECTED	NONE	REJECTED
REJECTED	OPEN	REJECTED
REJECTED	APPROVED	REJECTED
REJECTED	REJECTED	REJECTED

Determine if a run result is valid

For a run result to be considered valid for rankings, it must meet the following criteria:
- The discipline of the run is a standard track (e.g., 10 km)
- The run has a measurement date
- The run has "measurement checked" set

For events after the 01.01.2024 the criteria change to:
- The discipline of the run is a standard track (e.g., 10 km)
- The run must have a trackId set
- The track is valid for the distance and event date
- The track may not be invalid or deleted
- The event or the run may not be marked as invalidResults

Examples for xml files

See: https://github.com/Deutscher-Leichtathletikverband/Interfaces/tree/main/samples/event-format-2023