|  |  |
| --- | --- |
| DLV_Logo_NEU_Rot_RGB  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 |

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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 yellow or. Green 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/>

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)](https://github.com/Deutscher-Leichtathletikverband/Interfaces/blob/main/xsd/)

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")

### 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](https://dateien.leichtathletik.de/meta/openapidoc#/meta/get_meta_agegroups)

## Disciplines

See the OpenAPI documentation: [DVD API Documentation - disciplines](https://dateien.leichtathletik.de/meta/openapidoc#/meta/get_meta_disciplines)

## Disciplines for the agegroups

Which disciplines are relevant for an agegroup?

See the OpenAPI documentation: [DVD API Documentation - disciplines for an agegroup](https://dateien.leichtathletik.de/meta/openapidoc#/meta/get_meta_agegroupsanddisciplines)

## 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](https://dateien.leichtathletik.de/meta/openapidoc#/meta/get_meta_disciplineblocks)

## 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](https://dateien.leichtathletik.de/meta/openapidoc#/meta/get_meta_disciplinegroups)

## 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 |
| 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)](https://github.com/Deutscher-Leichtathletikverband/Interfaces/blob/main/Clubs.xsd)

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](https://dateien.leichtathletik.de/meta/openapidoc#/meta/get_meta_eventtypes)

## Event categories

See the OpenAPI documentation: [DVD API Documentation - event categories](https://dateien.leichtathletik.de/meta/openapidoc#/meta/get_meta_eventcategories)

## Event filegroups

See the OpenAPI documentation: [DVD API Documentation - event filegroups](https://dateien.leichtathletik.de/meta/openapidoc#/meta/get_meta_eventfilegroups)

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](https://dateien.leichtathletik.de/meta/openapidoc#/events/get_events__id_)

Ein Bild, das Text, Screenshot, Software, Computersymbol enthält.

Automatisch generierte Beschreibung

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](https://github.com/Deutscher-Leichtathletikverband/Interfaces/blob/main/xsd/Events-format2023.xsd#L3-L7)

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>