

FEI Certified Service Provider

API Step by Step Guide

Dressage – Paperless Judging Solution



**FÉDÉRATION
ÉQUESTRE
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Dressage – Paperless Judging solution API Step by Step Guide

This document outlines the necessary steps during a show and how to master the common challenges.

If you haven't started yet, please go through the [main documentation](#) first. This guide is meant to be an addition to help you verify that you are all set.

FEI Shows are pre-populated with the competitions that are supposed to happen per day. At this point, we don't know when a competition starts and which judges and competitors it entails. Note that times are always referenced in [Coordinated Universal Time](#) and formatted as ISO 8601 timestamps (e.g. 2020-01-24T10:00:00Z).

Please always check the event page on FEI.org (go to www.fei.org then search for the venue name) to observe your changes. Everything will be there right after you send something except competition status changes which can be cached up to 5 minutes as leeway.

For examples of how each message looks, please see the main documentation.

Preparation

Preparation of a competition: **Update it's starting time every time you receive a new one.**

Competitors regularly check FEI.org for starting times.

This is done by calling `updateFeiCompetitonStartingTime`. Make sure to reference the correct competition code (this format: 2020_CI_1473_D_Y_01_02) and send the starting time as an ISO 8601 timestamp as described above. Please make sure that you send it in Coordinated Universal Time. In most cases, this means that you have to convert it to this timezone. You can check if your conversion is right by comparing [here](#).

Assign judges and competitors at least two hours after the draw by calling `createOrUpdateFeiDressageStartlist` for the start list and `createOrUpdateFeiCompetitionJudges` for the judges.

Each competitor needs to have a starting time which is again a timestamp in Coordinated Universal Time. Please make sure to convert it accordingly.

The publishing status describes the level of visibility of your startlist.

- NOT_PUBLISHED: nothing is visible
- PUBLISHED_WITHOUT_COMPETITORS: competitors aren't visible
- PUBLISHED_WITHOUT_ORDER: competitors are visible without a specific order
- PUBLISHED_PROVISIONAL: the start list might still change
- PUBLISHED_CONFIRMED: there won't be any changes anymore (this is the default)

The following publishing statuses make the start list visible on FEI.org

- PUBLISHED_WITHOUT_ORDER
- PUBLISHED_PROVISIONAL
- PUBLISHED_CONFIRMED

If there is any update, e.g. to starting times, head numbers (CNO) or judge positions, please push them right away. Reason for this is that competitors often check FEI.org when they are supposed to start. You can call this mutation as often as you need. Please still don't do it periodically but rather every time it seems sensible.

Every time the start list is sent, it overwrites properties of existing competitors, but deletes competitors which are no longer in the list. So please be careful to always push a complete list.

Live

During each competitor, you need to **update marks in realtime**. Everytime a judge changes a mark, this needs to be pushed by calling `createOrUpdateFeiMarks`. This mutation takes an array of marks. All marks changed since the last push need to be included in this. Don't include all marks but just the changed ones. Also include the comment per mark and the timestamp. The timestamp is used for numbering and sanity checks. This is the number of milliseconds elapsed since January 1, 1970 00:00:00 UTC. Please make sure that you send these in a timely manner and not after the competitor is done. This is necessary to provide a flawless experience on FEI.org. Exercises are also numbered without gaps. Collectives do not restart the sequence but assessments start at 1 again.

If you need to **eliminate, withdraw, disqualify or retire a competitor** you need to send the corresponding status (ELIMINATED, DID_NOT_COMPETE, DISQUALIFIED or RETIRED) as Judge **C** to `createOrUpdateFeiMarks`. Please send all the marks that were given, but do not send movements that were not marked.

After each competitor, you need to send the **complete result per judge** by `createOrUpdateFeiMarks`. The numbering of the exercises is the same as it is above for the live marks. This time you also need to include the percentage you calculated plus any penalties as booleans as well as the overall comment of the judge. Please also include all data from the live marks again. Please send this right after the judge is finished. Any individual marks sent afterwards will be discarded. Please set the status to FINISHED.

After Competition

After a competition, please set it formally to finished and distribute prize money by calling `updateFeiCompetitionStatus`. Prize money is in EUR, USD or the equivalent of the currency. The Completion Status functions in a similar way to the status of the competitor. If you need to make changes after setting it to FINISHED, please set it to UPCOMING or RUNNING briefly, make your changes and then set it to FINISHED again.

Common pitfalls

A CNO (head number) changes

If this happens, please send all affected startlists and potential results for the competitors with changed CNOs again.

A result/mark changes after competitor is already finished

Only the Judge at C can change a competitor back to UPCOMING or RUNNING after it was FINISHED, so please call `createOrUpdateFeiScoresheet` as C with a status of UPCOMING or RUNNING and then call `createOrUpdateFeiScoresheet` for **all** Judges with the changed penalties/marks/results and a status of FINISHED again.

A penalty was added after the competitor is already finished

Only the Judge at C can change a competitor back to UPCOMING or RUNNING after it was FINISHED, so please call `createOrUpdateFeiScoresheet` as C with a status of UPCOMING or RUNNING and then call `createOrUpdateFeiScoresheet` for all Judges with the changed penalties/marks/results and a status of FINISHED.

A competitor retires or gets eliminated after finishing

Please call `createOrUpdateFeiScoresheet` as **C** with the appropriate status (ELIMINATED, DID_NOT_COMPETE, DISQUALIFIED or RETIRED). Please send all the marks that were given, but do not send movements that were not marked.

A competitor was wrongly retired, eliminated, withdrawn or disqualified

If the competitor was still RUNNING before, you can just call `createOrUpdateFeiScoresheet` as **C** with a status RUNNING. If the competitor was finished before, you need to call `createOrUpdateFeiScoresheet` as **C** with status RUNNING and then call `createOrUpdateFeiScoresheet` with **all Judges** and a status of FINISHED again to once again confirm the result.

A judge got replaced

Please use `createOrUpdateFeiCompetitionJudges` to send the corrected list of judges (with the changed FEI IDs) again.

Two or more judges switched positions

Please use `createOrUpdateFeiCompetitionJudges` to send the corrected list of judges (with the changed FEI IDs) again.

A judge position was removed or added

This will only be possible if the competition was not already running (after the first marks were sent) or finished (after you finalized it). Please use `createOrUpdateFeiCompetitionJudges` once again to send the corrected list of judges.

The API responds with something other than 200

We added descriptive error messages for the most common errors. Please compare your variables and calls closely to the examples in the main documentation. You need to get a 200 response. Otherwise the server will not take your inputs. If you cannot figure out what to do, please contact us.

Something didn't go as planned during a class and you had to use paper

Please retype all marks and comments right when you receive the paper sheets and send them normally.

How do I know everything is correct?

Please check FEI.org if all startlists, competitors and judges are correctly visualized. If they are, the next thing to check is that the current competitor is visualized as trending with the corresponding trend. After a competitor is finished, it should be visible as such. Once the competition is done, the individual scoresheets need to open when clicking on any competitor. If all of these things are OK, you are all set!

Operational Hints

Field of play setup

Please make sure that every judge has the correct number of paper scoresheets required and that you observe the requirements that apply to you.

A judge or athlete cannot access his scoresheets

Please make sure everything is pushed accordingly. If you cannot see the data on FEI.org, the judge won't be able to see it either.