

FEI Certified Service Provider

Criteria / Specifications

Dressage – Paperless Judging Solution



**FÉDÉRATION
ÉQUESTRE
INTERNATIONALE**

Dressage – Paperless Judging solution

A Dressage Paperless Judging solution is a solution allowing the judging of Dressage competitions without using paper scoresheets. All information regarding a paperless judging solution is available in the document “Dressage Paperless Judging system Features and Requirements” published on <https://inside.fei.org/fei/your-role/it-services/it-providers>

A paperless judging solution has to meet three main criteria:

- Accuracy: The ability to correctly calculate all scores of the Dressage performance, as well as an easy-to-use interface for the scribes to enter marks and comments correctly
- Reliability: The reliability of the solution in terms of connection and data exchange between the different devices used to build the scoring system
- Security: The ability of the solution to be safe and tamperproof

In order to be approved, the solution will be evaluated on the elements listed above. This will be done through different steps and phases detailed in the document below; you will be required to demonstrate how you perform these actions in your system.

STEP 1. Evaluation of the Scoring Solution

This step will evaluate the accuracy of the solution by reproducing a competition and entering results in the system.

Phase I. Event Preparation

To prepare your Event and your Master list, you must gather all information regarding the Show, the Event(s) and the Competitions details, as well as athletes and horses entries.

Show, Event, Competition details

In order to create the Event(s) and Competition(s) structure in your system, you must use the elements listed below:

- Show ID / Event ID / Competition ID
- ShowStartDate / EventStartDate / CompetitionStartDate
- ShowEndDate / EventEndDate / CompetitionEndDate
- Event Code
- Competition Name
- Schedule Competition NR
- Venue Name / Venue Country
- Rule
- Prize Money / Currency

The above information can be collected by:

- o Using the FEI Database to extract the information
- o Using the FEI Webservices (find event method)
- o Using the XML entry file from the FEI Entry System

You must demonstrate the following step:

1. How you import the Show, Event and Competition details into your software/system and how you create the Competition(s).

Athletes & Horses Entries

In order to create your Master list and your Start list(s) you must export the entries list from the FEI Entry System.

This will allow you to retrieve the names and the FEI IDs of athletes and horses that you will use in the results file.

The above information can be collected by:

- o Downloading the entry file(s) from the online FEI Entry System : <https://entry.fei.org>
- o Getting the entry file(s) from Direct URL

You must demonstrate the following steps:

1. Import the FEI entry file(s) into your software to generate your event Master list
2. Manage additional entries and athlete/horse substitutions made in the FEI Entry System
3. Generate Competition Start list(s) based on athletes and horses in the Master list

Phase II. On the Show grounds

During the evaluation process, we will provide you with a set of competition results based on the event entries you will have exported.

This set of results will include the detailed marks by movement and by judge as well as comments for certain movements, this data will have to be entered in the scoring system using the designed device for scoring available at the judges' tables.

You must demonstrate the following steps:

1. Enter marks for all movements from the different judge positions
2. Enter comments/remarks associated to a mark when appropriate
3. Correct a mark which has been incorrectly typed in by the scribe
4. Signing the results by the judge in that position
5. Transmitting the signed scoresheet back to the main scoring system
6. Calculating and displaying the final results of the combination

Phase III. After the event

Generate Results

Once the event(s) is finished you will need to import the results into the FEI Database. The results must be in accordance with the required FEI results format.

All the data you will need to produce these results files are provided and inputted in your system/software during phase II.

You must demonstrate the following steps:

1. Export the Competition, Event or Show results file(s) from your software/system in FEI XML results format
2. Import the Competition, Event or Show results file(s) into the FEI Database
 - Using the FEI Database WebUI
 - Using the FEI WebServices (uploadResults method)
3. Manage result errors and warnings
 - Using the FEI Database WebUI
 - Using the FEI WebServices (confirmUploadResults method)
4. Confirm and Submit uploaded results
 - Using the FEI Database WebUI
 - Using the FEI WebServices (submitResults method)

STEP 2. Audit and Pen Test of the solution

This step is subject to having successfully completed step 1 first.

The FEI will use an external IT Audit and Security company to perform an in-depth audit and pen test of the paperless judging solution in question.

All the reports following the audit and pen test will be shared with the company which is being evaluated.

The audit and testing is conducted across several days, the company being evaluated will have to provide a production/live version of the scoring solution throughout the period of testing and ensure that the platform/system remains operational during this time.

The platform can be tested via a cloud-based version, if a cloud-based version exists. If it's not the case, the solution will have to be setup as an on-site version and made available to the auditing company through a VPN connection, guarantying access to the entire infrastructure.

In order to perform the audit and testing, the company being evaluated will have to provide certain information to the auditing company, this includes:

- Schema of the whole solution (including the details of network interaction and IP addressing)
- Description of the solution, including the different technology used (language, database, framework, etc..)
- Credentials/users with the different accesses required in the system

All the details regarding the audit and pen test will be provided to the company after the application for evaluation has been submitted.

Helpful Links:

Central FEI Database to collect main information: <https://data.fei.org>

Online FEI Entry System for entries of FEI competitions: <https://entry.fei.org>

Tutorials on how to use the FEI online platforms: <http://howto.fei.org/>

Information and documentation on the Webservices:
<https://inside.fei.org/fei/your-role/it-services/web-services>