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FEI21 - WebServices

OrganizerWS 1.2 - WebMethods description

Version 1.2.1



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Table of contents

History	3
Legend	3
Methods summary	3
1. Calendar	4
1.1 findEvent	4
2. Results	7
2.1 downloadResults	7
2.2 uploadResults	8
2.3 confirmUploadResults	8
2.4 submitResults	10
3. Athlete	11
3.1 findAthlete	11
3.2 findOfficial	12
4. Horse	14
4.1 findHorse	14
5. Search For Horse Trainer	17
5.1 Syntax	17
5.2 Exceptions	17
5.3 Remarks	17
5.4 Version Information	17
5.5 See Also	18

History

Date	Version	Description
09.11.2012	1.0	Initial document
14.01.2013	1.1	Small adjustments of the specifications (see sections 3.1 and 4.1) following the development of the initial version.
28.01.2013	1.1.1	Small adjustments of the specifications about the “%” character in some search criteria. (see section 1.1 , 3.1 and 4.1).
12.02.2013	1.1.2	Note added about inactive horses in the findHorse method and inactive athletes or non-athletes in the findAthlete method.
04.02.2014	1.2	New findOfficial web method.
18.08.2014	1.2.1	New searchHorseTrainer method. New properties Trainer , EnduranceQualificationLevel , EnduranceRestPeriodEnd of class Horse are populated in findHorse (see FEI21 WebServices - OrganizerWS 1.2 - Classes document)

Legend

Word	Description
TBD	To be defined (not in this version)
ID	Identifier
N/A	Not applicable

Methods summary

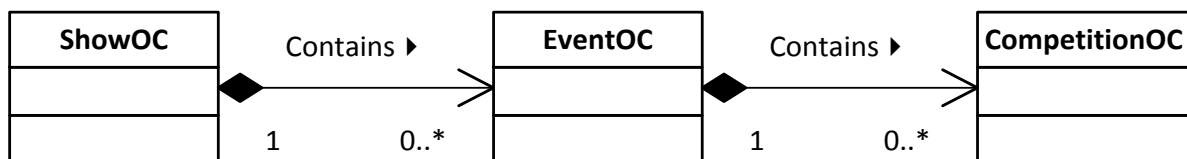
Module	Method	Description
1 Calendar	1.1 findEvent	Retrieve one or more events matching some criteria.
2 Results	2.1 downloadResults	Download the results XML file for a given event or a given competition.
	2.2 uploadResults	Upload the results XML file for a given event or a given competition.
	2.3 confirmUploadResults	Confirm the uploading of the results file when only warnings were encountered.
	2.4 submitResults	Submit the results to the FEI validation for a given event or a given competition.
3 Person	3.1	Retrieve one or more athletes matching some criteria.
4 Horse	4.1 findHorse	Retrieve one or more horses matching some criteria.

1. Calendar

1.1 findEvent

Retrieve one or more events matching some criteria.

This method will return an array of shows, each show containing some events and each event containing some competitions. It's illustrated in the following UML diagram:



When calling the method, depending of the filtering parameters, the method will return more or less shows, containing more or less events, themselves containing more or less competitions. The caller will have to navigate and loop inside this tree-like/forest-like structure to retrieve the information he is interested in.

The calling parameters are criteria to filter the connected shows, events and competitions existing in the database and produce the resulting structure, elaborated by pruning the branches of the trees formed by these structured data.

Some of criteria are applied to the show properties, others to the event properties, and others to the competition properties. That's why the resulting structure may be a more or less pruned version of the full database structure, and thus at different levels.

But in any case:

- If a competition matches all the criteria, its parent event and its grandparent show will be returned.
- If an event matches all the criteria, its parent show will be returned, even if the event has no competition (provided that no criterion involves some competition properties).
- If a show matches the criteria, it will be returned, even if the show has no event (provided that no criterion involves some event or competition properties).

The method is so called **findEvent**, because most of the time, the caller will be interested in retrieving a particular event, along with its parent show and all of its child competitions, when it has.

Syntax

```

public ShowOC[] findEvent
(
    string ID,
    DateTime? ShowDateFrom,
    DateTime? ShowDateTo,
    string VenueName,
    string NF,
    string DisciplineCode,
    string LevelCode,
    bool? IsIndoor,
    out Message[] Messages
)

```

Parameters

Name	Description	Not filtering if
ID	<p>Filter the database structure by applying this ID criterion on shows, events or competitions.</p> <p>If the caller gives a show ID, return the show matching this ID (along with its possible events and their possible competitions). Examples:</p> <ul style="list-style-type: none"> 2012_CI_0209 2012_CI_0720 2012_CH-EU_0002 <p>If the caller gives an event ID, return the event matching this ID (along with its parent show and its possible competitions). Examples:</p> <ul style="list-style-type: none"> 2012_CI_0209_C_S_02 2012_CI_0209_C_S_03 2012_CI_0720_S_S_01 2012_CI_0720_S_S_02 2012_CH-EU_0002_C_Y_01 <p>If the caller gives a competition ID, return the competition matching this ID (along with its grandparent show and its parent event). Examples:</p> <ul style="list-style-type: none"> 2012_CI_0209_C_S_02_01 2012_CI_0209_C_S_03_01 2012_CI_0720_S_S_01_04 2012_CI_0720_S_S_02_04 2012_CI_0720_S_S_02_10 2012_CH-EU_0002_C_Y_01_01 	null (or empty)
ShowDateFrom	Filter on shows occurring from this date (overlap included).	null
ShowDateTo	Filter on shows occurring until this date (overlap included).	null
VenueName	<p>Filter on shows where the venue name begins with this value.</p> <p><u>Remark:</u> adding a "%" at the beginning of the string allows to make a "contain" search (for example: "%olympia" to find all Events for which the Venue contains "olympia")</p>	null (or empty)
NF	<p>Return shows for this National Federation (NOC code).</p> <p>Examples:</p> <ul style="list-style-type: none"> SUI FRA GER 	null (or empty)

Name	Description	Not filtering if
DisciplineCode	Return events for this discipline. Possible values: <ul style="list-style-type: none"> • null : All disciplines • S : Jumping • D : Dressage • C : Eventing • A : Driving • E : Endurance • R : Reining • V : Vaulting • PED : Para-Equestrian Dressage • PEA : Para-Equestrian Driving 	null (or empty)
LevelCode	Return events matching this level. Possible values: <ul style="list-style-type: none"> • null : All levels • 0 : No Level • 5 : 5* • 4 : 4* • 3 : 3* • 2 : 2* • 1 : 1* • A : A • B : B • iM : iM • Gold : Gold • Silver : Silver • Bronze : Bronze 	null (or empty)
IsIndoor	Return Indoor or Outdoor events. Possible values: <ul style="list-style-type: none"> • null : All events • true : Indoor events only • false : Outdoor events only 	null
Messages	An array to receive any messages generated during the method.	N/A

Return value

This method returns an array of [ShowOC](#) objects.

Remarks

The [ID](#) parameter can be used to ensure than no more than one show, or event, or competition will be retrieved at a time, because the [ID](#) is a unique identifier for the show, the event or the competition.

Version Information

Supported in: 1.1

See Also

[ShowOC](#) class

[EventOC](#) class

[CompetitionOC](#) class

2. Results

2.1 downloadResults

Download the results XML file for a given event or a given competition.

Syntax

```
public byte[] downloadResults
(
    string ID,
    out Message[] Messages
)
```

Parameters

Name	Description	Not filtering if
ID	Return all the results for the event or for the competition having this ID. Example for all the results of an event: <ul style="list-style-type: none">2012_CI_0776_S_S_01 Example for all the results of a competition: <ul style="list-style-type: none">2012_CI_0776_S_S_01_03	N/A (mandatory)
Messages	An array to receive any messages generated during the method.	N/A

Return value

This method returns the results that are associated to the specified event or the specified competition in a byte array containing the XML data of the file, or null if no results are associated.

Remarks

When calling the method, the following parameter must be provided: [ID](#).

Version Information

Supported in: 1.1

See Also

[findEvent](#) method

2.2 uploadResults

Upload the results XML file for a given event or a given competition.

Syntax

```
public string uploadResults
(
    byte[] ResultsXMLData,
    out int FileID,
    out Message[] Messages
)
```

Parameters

Name	Description	Not filtering if
ResultsXMLData	The XML data of file containing the results to be saved must be provided in this byte array.	N/A (mandatory)
FileID	It gives the unique identifier of the results XML file. This identifier is generated by the system when it tries to save the results.	N/A
Messages	An array to receive any messages generated during the method.	N/A

Return value

This method returns the processing status in a string. It will be one of the following values:

- ERR - An error was found while processing the validation
- MAN - An error was found while processing the mandatory check
- OKW - It is ok for saving, but there are warnings
- OKD - The saving has been done

Remarks

When calling the method, the following parameters must be provided: [ResultsXMLData](#).

As the Results XML document contains all the information about the context for which the results are uploaded, the system will automatically know if the caller is uploading event results or competition results.

If the return value is "OKW", the OC must choose if the saving can be done. If yes, the OC must call the [confirmUploadResults](#) method.

The uploaded results are really saved in the system only if the return value is "OKD".

All import errors (validation, mandatory check) and warnings will be reported in the Messages array.

Version Information

Supported in: 1.1

See Also

[findEvent](#) method

[downloadResults](#) method

[confirmUploadResults](#) method

2.3 confirmUploadResults

Confirm the uploading of the results file when only warnings were encountered.

Syntax

```
public bool confirmUploadResults
(
    int FileID,
    out Message[] Messages
)
```

Parameters

Name	Description	Not filtering if
FileID	Confirm the uploading of the results for the file having this ID.	N/A (mandatory)
Messages	An array to receive any messages generated during the method.	N/A

Return value

True if the saving has been done.

Remarks

When calling the method, the following parameter must be provided: [FileID](#).

The [confirmUploadResults](#) method is to be invoked only when the [uploadResults](#) method has issued with an "OKW" processing status. It tells the system that the OC has decided to save the results, even if warnings were raised for this results XML file.

Version Information

Supported in: 1.1

See Also

[uploadResults](#) method

2.4 submitResults

Submit the results to the FEI validation for a given event or a given competition.

Syntax

```
public bool submitResults
(
    string ID,
    out Message[] Messages
)
```

Parameters

Name	Description	Not filtering if
ID	Confirm the results for the event or for the competition having this ID. Example for all the results of an event: <ul style="list-style-type: none">2012_CI_0776_S_S_01 Example for all the results of a competition: <ul style="list-style-type: none">2012_CI_0776_S_S_01_03	null (mandatory)
Messages	An array to receive any messages generated during the method.	N/A

Return value

True if the results have been successfully submitted.

Remarks

When calling the method, the following parameter must be provided: [ID](#).

After this operation, the results cannot be modified anymore.

Version Information

Supported in: 1.1

See Also

[findEvent](#) method

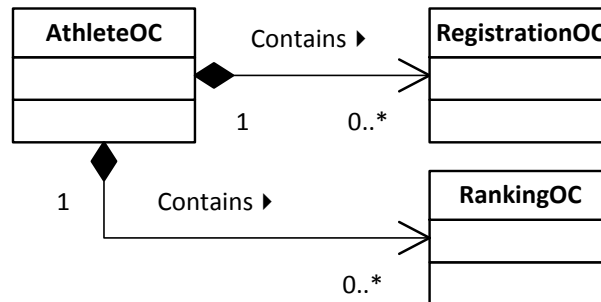
[downloadResults](#) method

3. Athlete

3.1 findAthlete

Retrieve one or more athletes matching some criteria.

This method will return an array of athletes, and each athlete will be retrieved along with his registrations (one per year and per discipline) and with his rankings/standings. It's illustrated in the following UML diagram:



Syntax

```

public AthleteOC[] findAthlete
(
    string[] FEIIDs,
    string FamilyName,
    string FirstName,
    string GenderCode,
    string CompetingFor,
    out Message[] Messages
)
  
```

Parameters

Name	Description	Not filtering if
FEIIDs	Return the athlete having this FEI ID, when only one value is passed. Possibility to retrieve several athletes in one shot when several values are passed. Expected format: comma separated list of FEI IDs. Examples: <ul style="list-style-type: none"> 10011463 10011463,10070246,10052456 	null (or empty)
FamilyName	Return athletes whose family name begins with this value. Examples: <ul style="list-style-type: none"> GUERDAT GUERD <u>Remark:</u> adding a "%" at the beginning of the string allows to make a "contain" search (for example: "%UERDAT" to find all athletes for which the Family Name contains "UERDAT")	null (or empty)

Name	Description	Not filtering if
FirstName	Return athletes whose first name begins with this value. Examples: <ul style="list-style-type: none"> • Steve • Ste <u>Remark:</u> adding a “%” at the beginning of the string allows to make a “contain” search (for example: “%eve” to find all athletes for which the First Name contains “eve”)	null (or empty)
GenderCode	Return athletes whose gender is one of the possible values. Possible values: <ul style="list-style-type: none"> • null : All athletes • M : Male athletes only • F : Female athletes only 	null (or empty)
CompetingFor	Return athletes who are competing for this country (NOC code). Examples: <ul style="list-style-type: none"> • SUI • FRA • GER 	null (or empty)
Messages	An array to receive any messages generated during the method.	N/A

Return value

This method returns an array of [AthleteOC](#) objects.

Remarks

The [FEIIDs](#) parameter (when only one value is passed) can be used to ensure that no more than one athlete will be retrieved at a time, because the FEI ID is a unique identifier for the athlete.

This method will return only active or suspended athletes.

Otherwise, if you pass an FEI ID for an existing person who is not an athlete or is not declared as active or suspended in the FEI database, you will receive a warning message in the [Messages](#) array.

From the last published rankings/standings, the method will return all the rankings/standing ([RankingOC](#) objects) of the athlete, provided that the athlete figures in these last published rankings/standings.

Version Information

Supported in: 1.1

See Also

[AthleteOC](#) class

[RegistrationOC](#) class

[RankingOC](#) class

[findHorse](#) method

3.2 findOfficial

Retrieve one or more officials matching some criteria.

This method will return an array of officials, and each official will be retrieved along his official functions/additional roles.

Syntax

```
public PersonOfficialOC[] findOfficial
(
    string PersonStatus,
    string AnyID,
    string AnyName,
    string PersonGender,
    string AdminNF,
    string SpokenLanguageCode,
    string OfficialFunction,
    string OfficialFunctionDiscipline,
    string OfficialStatus,
    string AdditionalRole,
    string AdditionalRoleDiscipline,
    string RefDate,
    out Message[] Messages)
```

Parameters

Name	Description	Not filtering if
PersonStatus	Return the official having this status. Possible values : 10 : Search for all competitors 1 : Search only for active competitors 0 : Search only for inactive competitors 2 : Search only for pending competitors 3 : Search only for cancelled competitors 9 : Search only for suspended competitors	null (or empty)
AnyID	Return the official having this ID, licence nr or vet delegate nr.	null (or empty)
AnyName	Return the official having this family name, first name, nick name or maiden name. <u>Remark</u> : adding a "%" at the beginning of the string allows to make a "contain" search (for example: "%UERDAT" to find all athletes for which the Family Name contains "UERDAT").	null (or empty)
PersonGender	Return officials whose gender is one of the possible values. Use CommonWS getPersonGenderList() to obtain the list of recognized codes.	null (or empty)
AdminNF	Return officials with the administering NF is the one specified.	null (or empty)
SpokenLanguageCode	Return officials with the specified spoken language ("de", "en",...)	null (or empty)

OrganizerWS 1.2 - WebMethods description – Version 1.2.1

Name	Description	Not filtering if
OfficialFunction	Return officials having the specified official function at the date of reference. Use CommonWS getOfficialFunctionList() to obtain the list of recognized codes.	null (or empty)
OfficialFunctionDiscipline	Return officials having the specified official function for this discipline at the date of reference. Only used if OfficialFunction is set. Use CommonWS getDisciplineList() to obtain the list of recognized codes.	null (or empty)
OfficialStatus	Return officials having the specified official function with this status at the date of reference. Only used if OfficialFunction is set. Use CommonWS getOfficialStatusList() to obtain the list of recognized codes.	null (or empty)
AdditionalRole	Return officials having the specified additional role at the date of reference. Use CommonWS getAdditionalRoleList() to obtain the list of recognized codes.	null (or empty)
AdditionalRoleDiscipline	Return officials having the specified additional role for this discipline at the date of reference. Only used if AdditionalRole is set. Use CommonWS getDisciplineList() to obtain the list of recognized codes.	null (or empty)
RefDate	Used in together with OfficialFunction & AdditionalRole . If not set, the current date is used.	null (or empty)
Messages	An array to receive any messages generated during the method.	N/A

Return value

This method returns an array of [PersonOfficialOC](#) objects.

Version Information

Supported in: 1.2

See Also

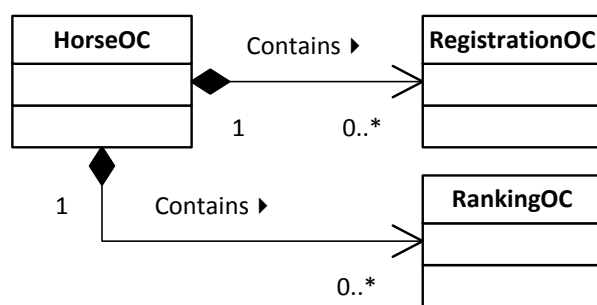
[PersonOfficialOC](#) class

4. Horse

4.1 findHorse

Retrieve one or more horses matching some criteria.

This method will return an array of horses, and each horse will be retrieved along with his registrations (one per year and per discipline) and with his rankings/standings. It's illustrated in the following UML diagram:



Syntax

```

public HorseOC[] findHorse
(
    string[] FEIIDs,
    string Name,
    string SexCode,
    bool? IsPony,
    string AthleteFEIID,
    out Message[] Messages
)
  
```

Parameters

Name	Description	Not filtering if
FEIIDs	Return the horse having this FEI ID, when only one value is passed. Possibility to retrieve several horses in one shot when several values are passed. Expected format: comma separated list of FEI IDs. Examples: <ul style="list-style-type: none"> 102FQ17 FRA45550 102FQ17,FRA45550 	null (or empty)
Name	Return horses whose birth name, current name, commercial name or shorten name begins with this value. Examples: <ul style="list-style-type: none"> NINO DES BUISSONNETS NINO DES BUISS <u>Remark:</u> adding a "%" at the beginning of the string allows to make a "contain" search (for example: "%BUISSONNETS" to find all athletes for which the Family Name contains "BUISSONNETS")	null (or empty)
SexCode	Return horses whose sex is one of the possible values. Possible values: <ul style="list-style-type: none"> null : all horses F : Mare G : Gelding S : Stallion M : Male unknown U : Unknown 	null (or empty)

Name	Description	Not filtering if
IsPony	Return horses having one of the possible values. Possible values: <ul style="list-style-type: none"> • null : all horses • true: only ponies • false: only horses that are not ponies 	null
AthleteFEIID	Return horses associated, during the last two years, with the athlete having this FEI ID. Example: <ul style="list-style-type: none"> • 10011463 	null (or empty)
Messages	An array to receive any messages generated during the method.	N/A

Return value

This method returns an array of [HorseOC](#) objects.

Remarks

The [FEIIDs](#) parameter (when only one value is passed) can be used to ensure that no more than one horse will be retrieved at a time, because the FEI ID is a unique identifier for the horse.

This method will return only active or suspended horses.

Otherwise, if you pass an FEI ID for an existing horse who is not declared as active or suspended in the FEI database, you will receive a warning message in the [Messages](#) array.

From the last published rankings/standings, the method will return all the rankings/standing ([RankingOC](#) objects) of the horse, provided that the horse figures in these last published rankings/standings.

Version Information

Supported in: 1.1

See Also

[HorseOC](#) class

[RegistrationOC](#) class

[RankingOC](#) class

[findAthlete](#) method

5. Search For Horse Trainer

Search for horse trainer records.

5.1 Syntax

```
public HorseTrainer[] searchHorseTrainers(  
    string HorseFEICode,  
    int? PersonFEIID,  
    DateTime? EvalDate,  
    int? PageNumber,  
    out Message[] Messages  
)
```

Parameters

1. HorseFEICode

The FEI identifier of the horse filters the records and returns only trainers linked to this horse. It may be null.

2. PersonFEIID

The FEI identifier of the person filters the records and returns only the trainer having this ID. It may be null.

3. EvalDate

The evaluation date filters the horse trainer records and returns only those whose period is active at this evaluation date. It may be null.

4. PageNumber

The number of results from this search is limited to 100 records (for performance considerations). But you can get further results by playing with this parameter. Null or 1 values gives you access from the first record to the 100th record, 2 value gives you access to the 101th record to the 200th record, etc... This is kind of pagination, where page number are one-base indexed.

5. Messages

An array to receive any messages generated during the method call.

Return value

Returns an array of zero or more [HorseTrainer](#) objects.

5.2 Exceptions

Exception	Condition
ListTruncated	(Warning) There were more than 100 results but only the first 100 were returned.

5.3 Remarks

The records are sorted in the reverse chronological order of their period.

5.4 Version Information

Supported in: 1.2.1

5.5 See Also

Reference

[HorseTrainer](#) class

*** End of document ***