Viewer

USER MANUAL

Nacsport Viewer
Version 2.3.0
August 18, 2016

nacsport

CONTACT

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0.System requirements

A computer with any version of Window 7 or higher is needed to use **Nacsport Viewer** correctly.

Technical requirements

Minimum requirements

Operating System
Windows 7 with Service Pack 1 (32 or 64bits)
Windows 8 (32 or 64bits)

Hardware
RAM Memory: 2GB
Processor: Intel© Core 2 Duo 2 GHz or similar
Video memory: 256MB dedicated memory (not share with general RAM)
Screen resolution: 1366 x 768
At least 300MB free hard disk space to install software

Recommended requirements

Operating System
Windows 10 (32 or 64bits)

Hardware
RAM Memory: 4GB
Processor: Intel © Core i7 or equivalent
Video memory: 512MB dedicated memory (not share with general RAM)
Screen resolution: 1920 x 1080
At least 300MB free hard disk space to install software

Useful links
FireWire: http://en.wikipedia.org/wiki/IEEE_1394
CPUs: http://www.cpubenchmark.net/
HDMI: http://en.wikipedia.org/wiki/HDMI
VGA: http://en.wikipedia.org/wiki/VGA_connector
External Hard Drive: http://www.amazon.com/External-Hard-Drives-Storage-Add-Ons/b?ie=UTF8&node=595048

1. Keyboard shortcuts

1.1 Video player

M: Play frame by frame. Press once to advance just one frame. Keep pressed to play the video continuously.

N: Rewind frame by frame. Press once to rewind just one frame. Keep pressed to rewind the video continuously.

B: Play at 3X speed. Press once to play.

V: Rewind at 3X speed. Press once to rewind.

Page Up: Go forward 5 seconds. Configurable time.

Page Down: Go backwards 5 seconds. Configurable time.

Spacebar: Play/pause video.

Shift + Enter: Full screen video playback.

Esc: Return to previous video player size from full screen. To switch between full screen and previous video player size, double click on the title bar of the respective window.

L: Continue the video after playing a record.

Note: You can also see the video player short cuts while registering in the **Video Opt** tab in the register control window.

1.2 Timeline

1: Play next register (action) in the selected category.

2: Play previous register (action) in the selected category.

A: Go to the following category.

Q: Go to the previous category

1.3 General shortcuts

Shift + P: Show all opened windows. If you close **Nacsport Viewer** with one or several windows on a secondary monitor or projector, those windows will not be shown if you open the program again without connecting the secondary monitor or projector. This combination of keys fixes this problem.

2. Presentations

With this tool you can see any presentation you have imported to Nacsport Viewer.

2.1 Show a presentation

To show a presentation, go to **Presentation** on the main menu and then select the presentation you want to show.

In this window, the presentation that you choosed will be shown.
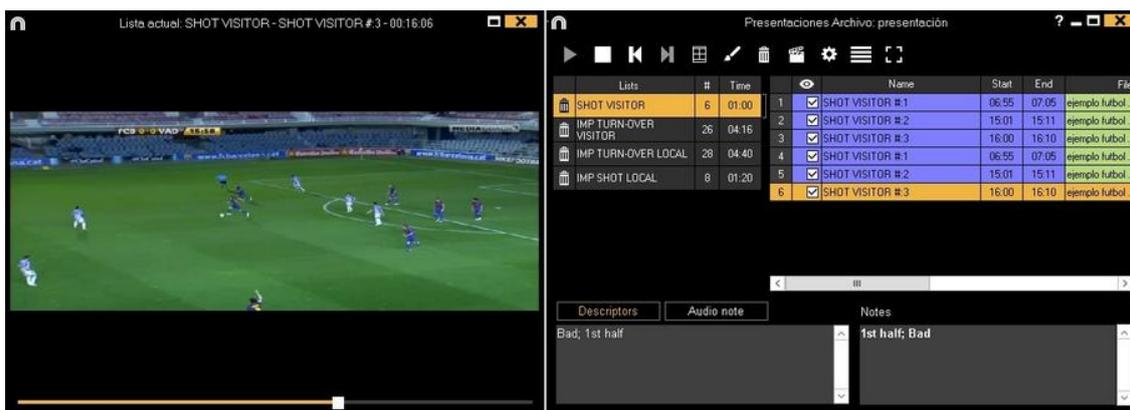
To show notes and descriptors of a presentation, click .

To reproduce a register after another with stopping the video, click .
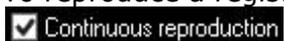
You can show the previous or next register by clicking   or by pressing keys **1** and **2**.

To show the video on full screen, click .

By default, video will stop when it shows a picture/drawing so you must to click on the video to continue the playback. To use the selected stop time (5 seconds by default) click .

2.2 Import a presentation

1- Go to **My documents** folder.

2- Open **NAC SPORT DATA** folder.

3- Open **Pres** folder.

4- Paste .pre files you want in this folder.

3. Timeline

This environment contains all the registered action shown by categories (rows) in an intuitive Timeline in which you can modify you register, change its duration. To access the Timeline go to Nacsport databases and select the database you want to open.

3.1 Timeline icons

Show and hide all records (actions) in selected category.

Show the window to compare selected actions (8 maximum).

Open an already created database in the current Timeline.

Open the window which shows all categories and descriptors (Data Matrix).

Show the first frame of each category and all the drawings.

Open the actions searcher.

Timeline options.

Open exportation options.

3.2 Timeline tools

3.2.1 Show/hide register list

This tool shows/hides the list of registers the Timeline contains in a clear and easy way.
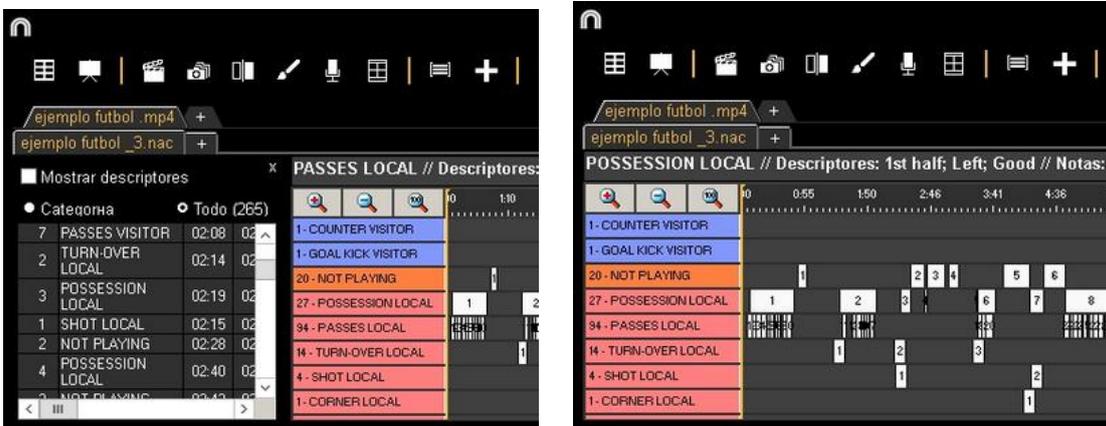
Registers can be shown by categories or chronological order.
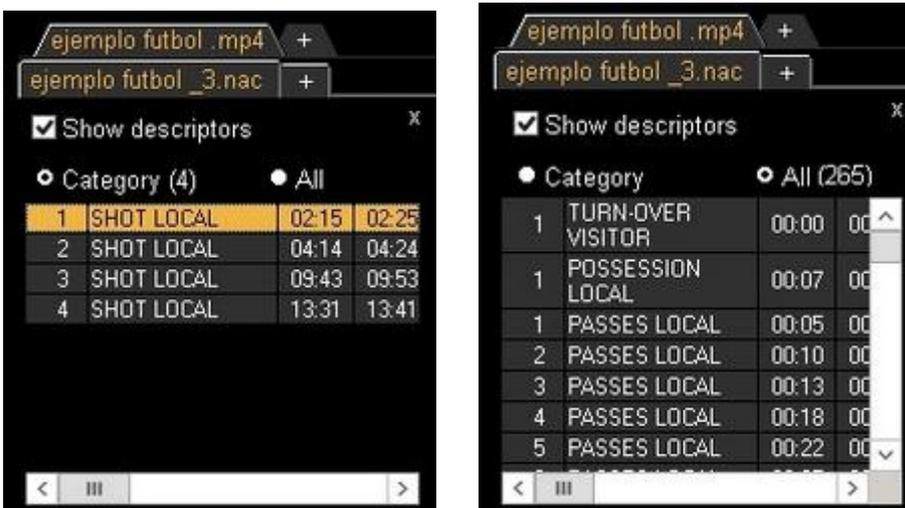
3.2.2 Compare actions

With this tool you can compare up to 8 different videos (registers).

1- To compare registers just select them in the grid on the left of Timeline by keeping pressed Control key and clicking ▢▢.

To synchronize the beginning of one of the videos, click ▶ until the moment you desire. Then, repeat the process with other videos.

To play all the videos at the same time, click 🔒 and ▶.

To see the videos on full screen, click ⛶.

3.2.3 Open a database in the Timeline

With this tool you can work with as many databases as you want in a single timeline. This allows to make presentations and videos of several events.

To add a database, click .
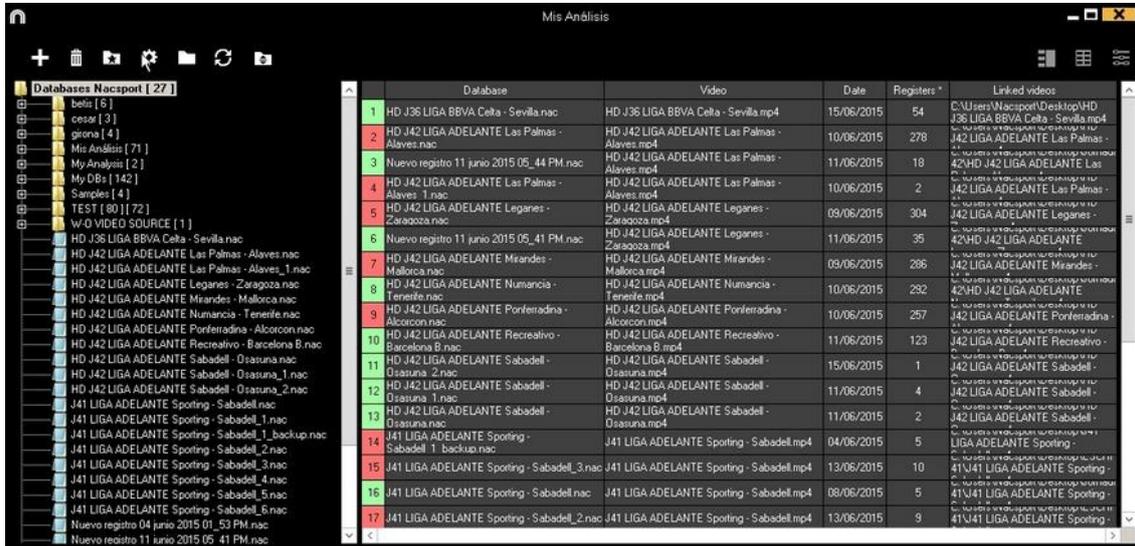
Select a database. Double click it and click **Go to the Timeline**, or select several databases and click

To change from a database to another one, click the tab you want.

3.2.4 Data matrix

In this window you can see in a clear and quick way all the categories and descriptors. You can consult numerically all the actions registered and see them immediately.

To access to the data matrix, click ▦.

To make a multiple data matrix, you have to have a second database opened in the Timeline

Click on ▦ and choose the databases you want to see in the matrix

Click ✔

Simple data matrix: Multiple data matrix:

Customized Matrix

To make a customized matrix click on ⊞ and select "customized matrix" option.

Choose the categories and descriptors you want to show at the matrix.

You can also make groups of categories or descriptors by selecting several elements at once (keep the Ctrl key pressed), right button click and select "make a new group" option.

You can save the customized matrix clicking on ▯▯.

To open an already made customized matrix you can select the proper option on the box at the left of an opened matrix or clicking on ⊞

You also have a list with the 10 latest used customized matrix which you will find by clicking on ⊞ or in the box at the left of an opened matrix

To add the registers to a presentation click on 🖼 and select the option you want.

Note: You cannot add register in case you are using a multiple matrix.

3.2.5 Timeline options

Zoom : you can maximise or minimise the Timeline. To show the entire Timeline, click .

Change the start or end of a record: position the cursor on the left (start) or right (end) of the record and when it changes to . Left   click and drag it in one of the two possible directions.

Temporary displacement of record (without affecting its length):place the cursor in the centre of the record and when it changes to . Left click and drag it in one of the two possible directions.

Order the Timeline: Right button click on any category and choose "Order the Timeline by...". You can order the Timeline by colour, name, number of registers o customized.

Show/hide a category: Select the category you want and click the **Hide category** or **Show category** option.

3.2.6 Actions searcher

In this window users will be able to search any action. An example of a search might be: "I want to see all the Spanish faults from the right wing shot by Xavi in the second half".

The search can be done from one only match or whole season, without limits.

To access to actions searcher, click 🔍.
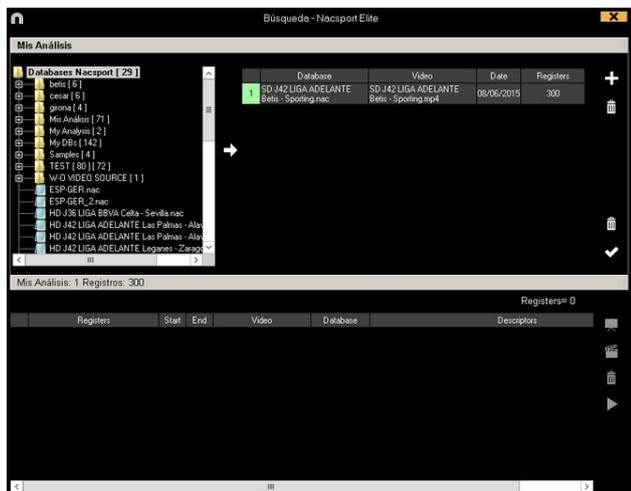
Select database you want to search in and click [icon]. Then, click [icon] to start searching actions.

Users will be able to search actions in categories or descriptors by selecting
[O Categories / ● Descriptors].
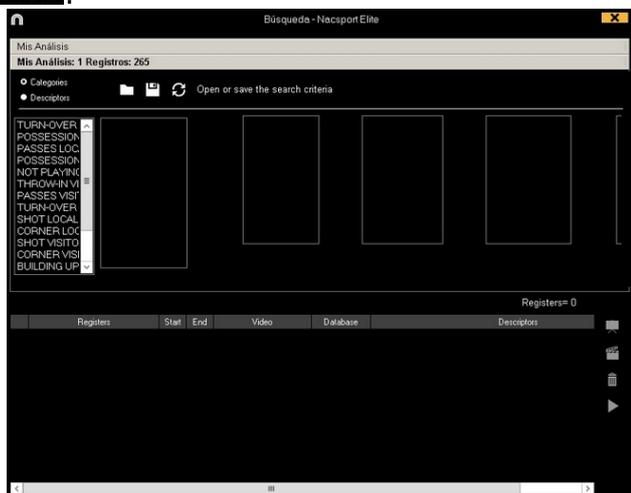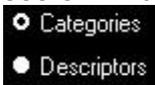
To see selected register, click [▶ icon].

The search can be done from one only match or whole season, without limits.

To add the registers to a presentation click on [icon] and select the option you want.

> **Note:** You cannot add register in case you are using a multiple search.

3.2.7 Export

With this tool you can export you database in some different ways:

- As .XLS file showing the registers in chronological order.

- As .XLS file showing the percentage of categories.

- As . XML file in order to work with other programs.

- As .XLS file.

To export, click [icon] and select desired option

Export to PDF or XLS (Chronological order)
Export to PDF or XLS (Percentage by categories)
Export as XML file
Export to MS Excel © (XLS format 1)
Export to MS Excel © (XLS format 2)
Export as text file
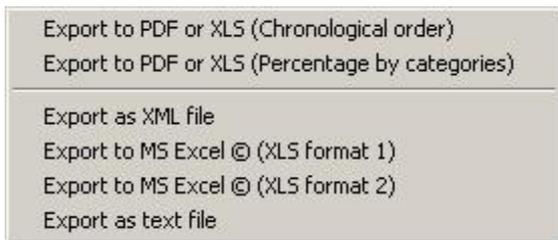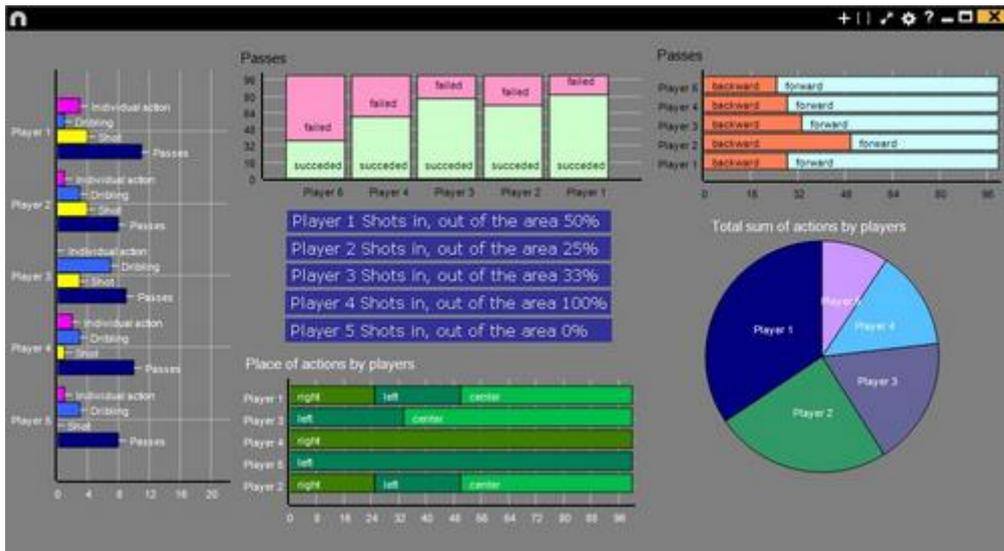
3.2.8 Dashboards

The dashboards will allow you to see a graphical representation of the actions happened in the event, making easier to understand what happened during the event

To work with dashboards first you have to import one. To do so click on to open the dashboards environment and then click on to look for the .dasbhoard file you want to import

To open a dashboard click on ,choose the dashboard you want to open and click on . To open several dashboards at the same time, select all of them and click on .

To see a list containing all the actions of any of the elements in the dashboard click on the element (chart, label). To add the registers to a presentation click on and select the option you want.

Note: You cannot add register in case you are using a multiple dashboard.

Multiple dashboards from Timeline

Having several databases opened in the Timeline you can do a multiple dashboard containing information of all those databases

To do so click on . If you want to add another analysis you can do it by clicking on , selecting the analysis you want, clicking on and finally on ,
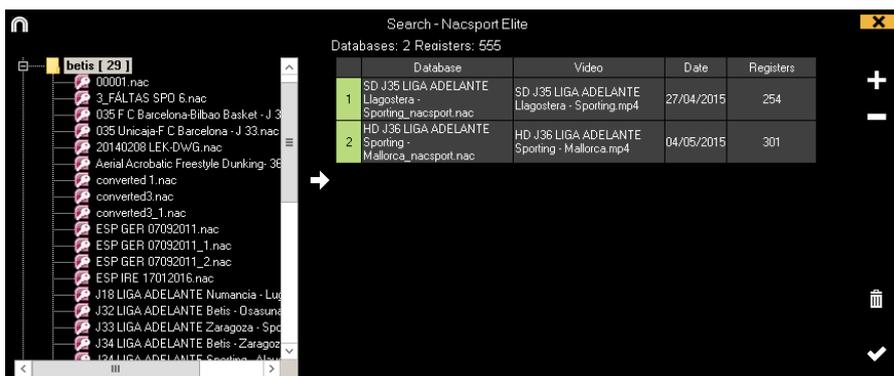
You can hide one or more analysis when having a multiple dashboard. To do so uncheck the analysis you want and click on

You will also be able to open a multiple dashboard directly from My analysis environment choosing the analyses you want and clicking on

3.2.9 Presentations

With this tool you can make a list with registers in order to create a presentation and then show them.

5.2.2.1 To make a presentation

To make a presentation, click from the Timeline and then **Make a new presentation.**

Make a new list by clicking . You can change the name of the list by double clicking it.

Select register you want and press the key number **3** to add them to the list.
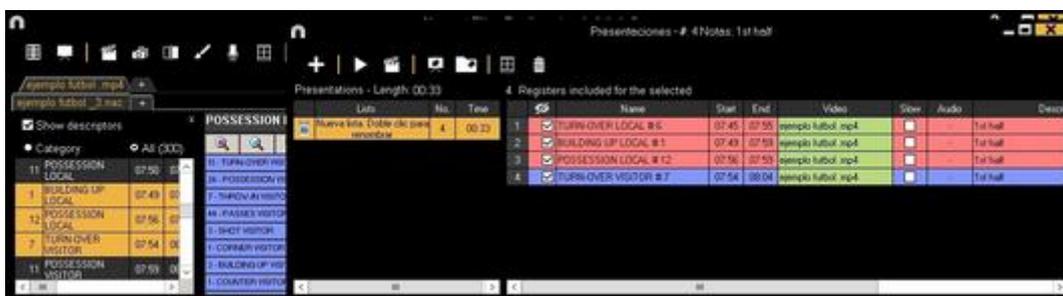
You can select registers on the left of Timeline.

To delete a list click .

To edit registers from the presentation:

To edit a register from the presentation, double click it or click .

In this window, you can add notes, pictures and drawings. You can also change the duration of the register.

To change the length of a register, click on the start/end of a register and when the icon turns up, just drag the register to the moment that you want.

To add a drawing, click at the moment of the video you want to It will be saved in your database so it will be shown in the presentation.

With these options, you can modify an already added drawing.

You can add a note by typing what you want on the proper text box.

To go to the next register, click .

Export presentations

To share you presentation click on and select a name and path to save you presentation.

To show a presentation

To show a presentation click on
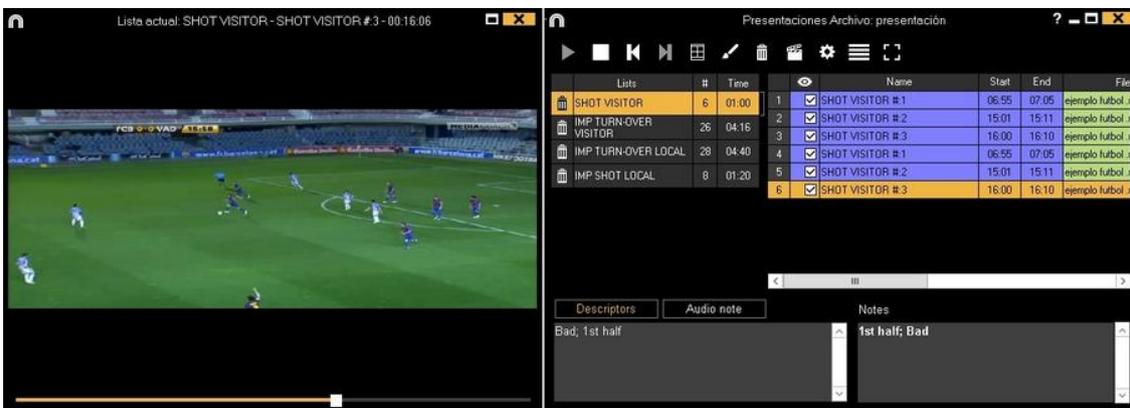
To see the presentation settings click on
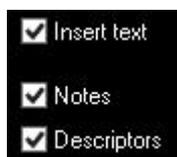
To show notes and descriptors of a presentation, click .

To reproduce a register after another with stopping the video, click .

You can show the previous or next register by clicking   or by pressing keys **1** and **2**.

To show the video on full screen, click .

To play the video on slow motion click on and select the speed you want

By default, video will stop when it shows a picture/drawing so you must to click on the video to continue the playback. To use the selected stop time (5 seconds by default) click .

4. Nacsport databases

In this environment you can consult all the databases created or imported by the user.

To access to timeline, double click the name of any green database you want and choose want you want to do.

If the databases is shown in red colour, this means that there is no video linked to that database due it is in a different place, it was deleted or it has another name. If the video was not deleted, you can link it with by double clicking the name of the database a looking for the video.

You can also:

Make subfolders: Click any folder and then click [icon].

Delete folders (and the databases in it) or delete databases: Click any folder (or database) and then click [icon].

Assign a favorite folder: Click any folder you want and then click [icon].

Choose folders' path: Click [icon] and then select the path.

Open several databases at the same time: Choose the databases you want and click **open selected databases** these databases will be opened at once in the Timeline

5 Import/Export .XML Files

* To **import a .XML folder**:

> a) At the main menu of the program, click on **Tools.**
>
> b) Select **Import.**
>
> c) Select **Import .XML of Gamebraker and SportsCode.**
> d) Click .
>
> e) Look for the .XML folder and double click it.
>
> f) Select name and destination for the **.NAC Database** and click on **Save.**
> g) In the section 3, click .
>
> h) Select the video which you want to link with the **.NAC Database** and double click it.
>
> i) Click on **Open the Timeline.**

* To **export a .XML folder**:

> a) Once the Timeline is opened with the folder to export, click .
>
> b) Select **Export .XML.**
>
> c) Select name and destination. Then, click **Save.**

6. Annex

Import and export Nacsport databases is as easy as copy the database you want and paste it in another PC.

Export:

You can use 2 different methods:

1.- **From My documents folder**

      1-Go to **My documents** folder.

      2- Open **NAC SPORT DATA** folder

      3- Open **Databases Nac** folder

      4- Copy the .NAC files you want from this folder

2.- **From Nacsport databases**

      1- From Nacsport main menu click **Nacsport databases.**

      2- Select the database you want to export.

      3- Right click the database and click **Copy**.

Import:

You can use 2 different methods:

1.- **From My documents folder**

      1- Go to **My documents** folder.

      2- Open **NAC SPORT DATA** folder.

      3- Open **Databases Nac** folder.

      4- Paste .NAC files you want from this folder.

2.- **From Nacsport databases**

      1- From Nacsport main menu, click **Nacsport databases.**

      2- Right click any folder and click **Paste to import** an already copied file.

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quality information, better decisions