



Marco`s IVAO Tools

Sektor Generator FST Manual

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content

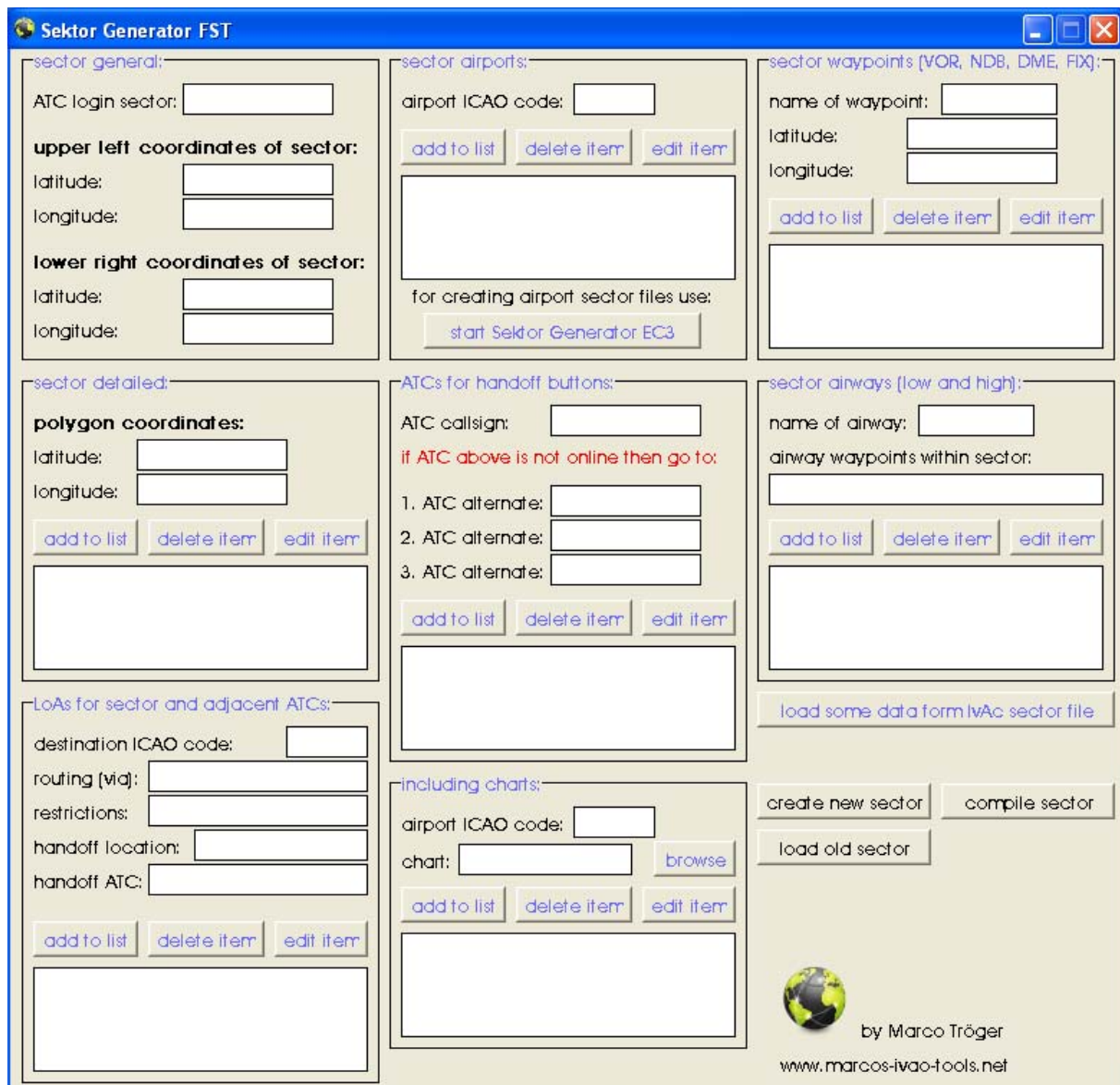
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1. creating a sector with Sektor Generator FST

The Sektor Generator FST was developed to create a sector, which you can use in Flight Strip Tool – IVAO. Because Flight Strip Tool – IVAO uses a lot of information, it can take 2 or 3 hours to create a sector.

The Sektor Generator FST is used to create the main sector files, and the Sektor Generator EC3 is used to create the sub sectors, needed to run Flight Strip Tool – IVAO and Easy Clearance 3.

Here you can see the Sektor Generator FST.



1. step (sector general)

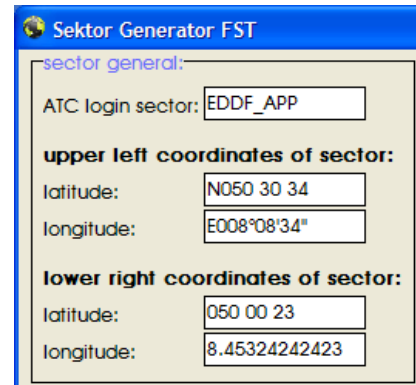
Here you have to put in the general data of the sector:

- ATC login sector (e.g. EDGG_E_CTR or EDDP_APP)
- and the upper left and the lower right corner coordinates of the sector.

There are different put in formats for all coordinates.

This formats are allowed:

- N050°30'40" or -12°30'40"
- N050 30 40 or +008 30 12
- 50 30 40 or 50°30'40"
- -50.034234235

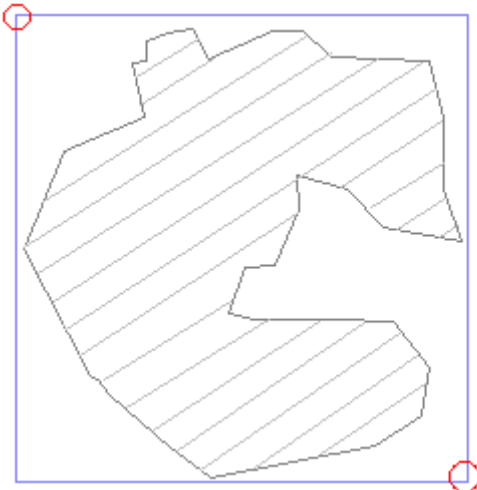


There are different put in formats for all coordinates.

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- N050°30'40" or -12°30'40"
- N050 30 40 or +008 30 12
- 50 30 40 or 50°30'40"
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But what is mean by upper left and lower right coordinates? So look at the picture below to understand.



The marked area is your sector you want to create. The rectangle you can see in the picture describes the sector general. So the two marked corners are the required upper left and lower right coordinates.

Please choose them as close as possible to the sector borders.

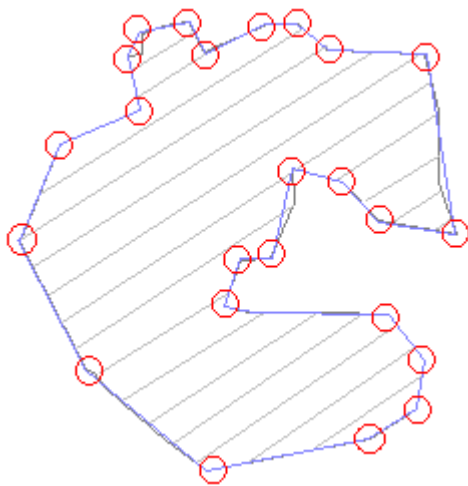
2. step (sector detailed)

Now you have to define the detailed sector corners to display also pilots, who does not sent a correct flight plan with a correct route.

The input format is the same as described in [step 1 \(sector general\)](#).

So you have to define at least 3 coordinates to create the sector. But you must not define every coordinate, so you can direct to another one and ignore the other.

The picture below shows which points you can define for example.



As you can see, there was not every coordinate defined, so some are ignored, when it was possible.

There is no matter if you define the coordinates clockwise or counterclockwise.

But one thing you have to note: The first coordinate and the last one have to be different, because Flight Strip Tool – IVAO does them connect internal.

sector detailed:

polygon coordinates:

latitude:

longitude:

050°22'16"}006°21'42"
 050°41'29"}006°06'58"
 051°56'42"}006°01'26"
 051°16'05"}005°57'37"
 051°01'40"}006°00'40"

3. step (sector airports)

For this step there is nothing to describe. So just add all airports which are located in your sector to this list.

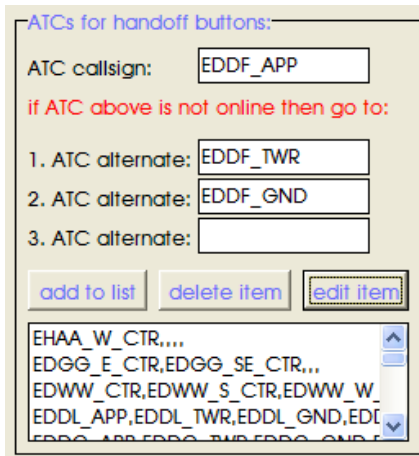
sector airports:

airport ICAO code:

EDDK
 EDDL
 EDDG
 EDLW
 EDLW

for creating airport sector files use:

4. step (ATCs for handoff buttons)



In Flight Strip Tool – IVAO you can do all handoffs via the tool itself. So you must define the ATC for the created handoff buttons. For each of the 16 handoff buttons you can define 4 ATC positions. Here you can see a example for defining one handoff button:

e.g.: sector: `EDGG_E_CTR`
 define handoff button for `EDDF` according to the picture.

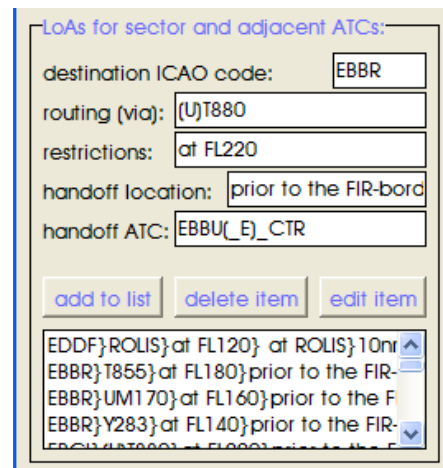
If the first ATC is not online so the application will searching 1., 2. and the 3. alternate ATC. If one of them are online then the application will display this one.

5. step (LoAs for sector and adjacent ATCs)

Now you have to define some LoAs if there are one. It is possible to define LoA in this format: `destination airport via routing for FL100 (restrictions) at handoff location to ATC.`

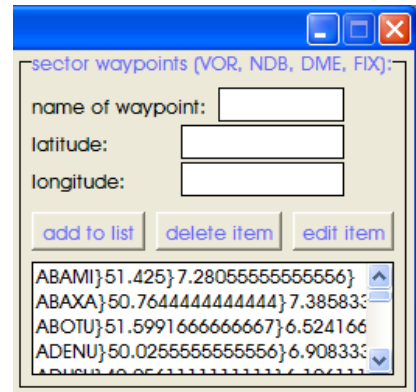
e.g.: `to EDDF via PSA max. FL110 at 10nm before PSA handoff to EDDF_APP`

On strips with a destination airport you have defined a LoA for, will display this LoA as described above.



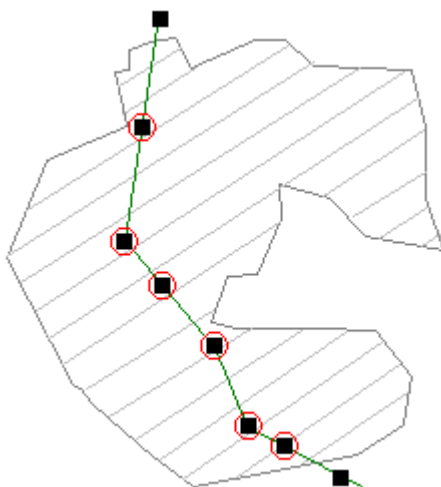
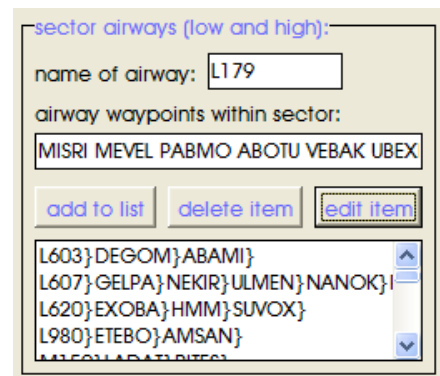
6. step (sector waypoints)

You have to define also some waypoints. It is necessary to find out the entry point, where a pilot enters your sector as well as to calculate the time when the pilot will arrives there. So put in all waypoints located in your sector. The format for the coordinates is the same as described below.



7. step (sector airways)

Also it is necessary to define all the airways in your sector, because this data will need also to find out the entry waypoint as well. When you define a airway, you have to put in only this waypoints, which are located on the airway in your sector. See at the picture.



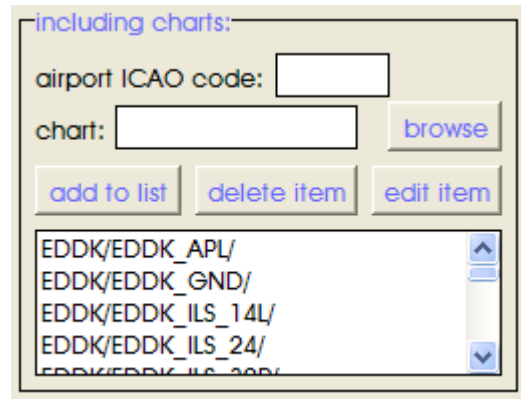
All the waypoints you have to put in in one of these this formats:

- GALMA GED MTR
- GALMA,GED,MTR
- GALMA;GED;MTR
- GALMA/GED/MTR

8. step (including charts)

Here you have the option to include some charts for your sector. To do this, only put in the filename (only the filename) and the according airport.

Note: Then you have to copy all charts you include manually to your "application dir/Data/Charts".



9. step (compile sector)

To create the sector you have to push the "compile sector" button. The Sector will be created and saved to the Sektor Generator FST "application dir/created sectors".

To run the sector on Flight Strip Tool – IVAO you have to make sure that you have created all sub sectors and copied all created sectors into the "application dir/Data/Sektoren".



load data for IvAc sector file

Now it is also possible to load the required data (airways, sector polygon and waypoints) from an IvAc sector file. But here you have to be careful and should know what you are doing! You have to select all the required data for each item

and do not forget anyone, e.g. it can create faults during loading the sector in Flight Strip Tool – IVAO if you forget a coordinate or something else.

To load data from IvAc sector file, just click the button load some data from IvAc sector file and choose a sector file.

It could take some seconds to load the file into application. Be patient!

Then select the lines which you want to add (“Ctrl + left mouse button”) and click the right button to add special data.

2. creating a sub sector with Sektor Generator EC3

All the sub sector which needed for the Flight Strip Tool – IVAO sector file can be created with the Sektor Generator EC3.

For the manual go to the website or look into the program folder of the installed tool.

Now you can use your created sector with Flight Strip Tool – IVAO.

Note: Please send me a copy of your created sector files, so that I can create a install file and upload this to my website so that every one can download this sector.