

RouteGadget UK

www.routegadget.co.uk

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The files you will need:

1. **A Raster map**, a gif or jpg file of 100-200 dpi, higher resolutions will take longer to open and use more bandwidth. Ideally, use the export option in OCAD. You can edit these files with any photo editing software (Photoshop, Gimp etc). Aim for a file size of about 200-300KB, the dimensions should not be much larger than 1500x1500 pixels.
2. **The course data**, use the XML course export from OCAD 9 or Condes.
If there are crossing points in the course file, remove them before creating the XML file. For timed crossings see Appendix 1.

If you are using OCAD 8 do the following:

- a. Step1: Move all course code numbers to default position
 - b. Courses > preview > Settings > default (all code texts will move to default position)
 - c. Step 2: Export all these control code texts (including start and finish codes) as dxf
 - d. Step 3: File -> export courses -> courses -> courses.txt
 - e. Now you should have two files: "courses.txt" and "anyname.dxf"
3. **Results with split times**, there are 8 different formats supported (see below). The most common one is the SportIdent splits in CSV format (semicolon separated). This is the same format as for WinSplits. You can export by Course or by Class. **I suggest that you sort by course**, as this gives the option to compare routes with others on the same course and increases the usefulness.

For possible problems, see Appendix 1

Best practice

I would recommend that you obtain the required map and course files in advance of the event, or available at the event for you to take away with the results files. It is very important that RG is available at the same time as the results go up or very soon after if you want to maximise the number of routes added. Take care that you do not compromise your position by having access to the course info before your run.

Using RG Manager:

Open "<http://www.CLUB.routegadget.co.uk/cgi-bin/manager/reittimanager.cgi>" in your browser (replace **CLUB** with the club name registered with RG).

The Manager is protected by a login at folder level and file. So you will be asked to enter the details twice. Use the details sent in a separate document.

RouteGadgetManager

Login:

Passwd:

If you want to change the Login/Password, delete, using your FTP client. "uspsw.txt" in the kartat directory. You will then be asked to set them up again next time you login. Make a note of these, as they will be needed every time you use RG Manager.

There is no password yet. Give a login and password and remember it.

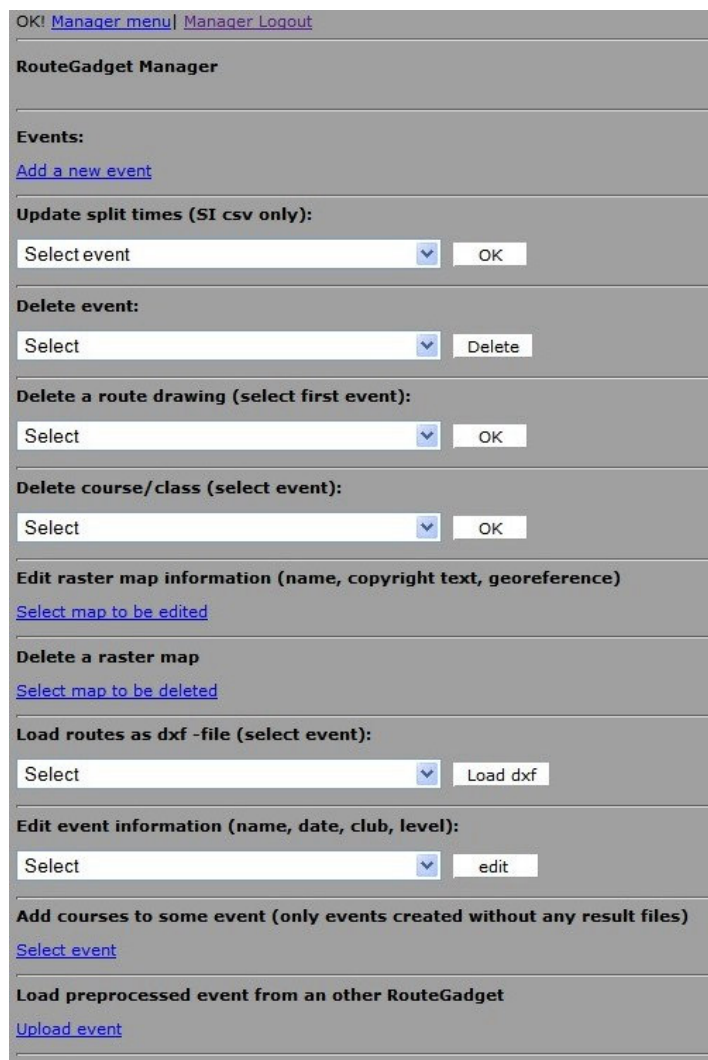
New Login:

New Passwd:

If the Login and Password have been saved successfully, you will be asked to enter them.

Adding a new event.

If you entered them correctly you should now see this:



OK! [Manager menu](#) | [Manager Logout](#)

RouteGadget Manager

Events:
[Add a new event](#)

Update split times (SI csv only):
Select event [v] OK

Delete event:
Select [v] Delete

Delete a route drawing (select first event):
Select [v] OK

Delete course/class (select event):
Select [v] OK

Edit raster map information (name, copyright text, georeference)
[Select map to be edited](#)

Delete a raster map
[Select map to be deleted](#)

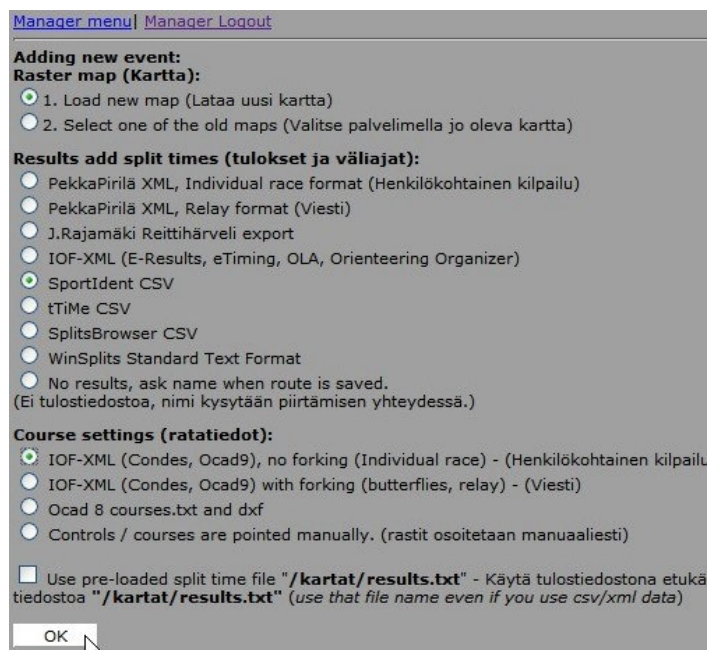
Load routes as dxf -file (select event):
Select [v] Load dxf

Edit event information (name, date, club, level):
Select [v] edit

Add courses to some event (only events created without any result files)
[Select event](#)

Load preprocessed event from an other RouteGadget
[Upload event](#)

Select “Add a new event”.



[Manager menu](#) | [Manager Logout](#)

Adding new event:

Raster map (Kartta):

- 1. Load new map (Lataa uusi kartta)
- 2. Select one of the old maps (Valitse palvelimella jo oleva kartta)

Results add split times (tulokset ja väliajat):

- PekkaPirilä XML, Individual race format (Henkilökohtainen kilpailu)
- PekkaPirilä XML, Relay format (Viesti)
- J.Rajamäki Reittihärveli export
- IOF-XML (E-Results, eTiming, OLA, Orienteering Organizer)
- SportIdent CSV
- tTiMe CSV
- SplitsBrowser CSV
- WinSplits Standard Text Format
- No results, ask name when route is saved.

(Ei tulostiedostoa, nimi kysytään piirtämisen yhteydessä.)

Course settings (ratatiedot):

- IOF-XML (Condes, Ocad9), no forking (Individual race) - (Henkilökohtainen kilpailu)
- IOF-XML (Condes, Ocad9) with forking (butterflies, relay) - (Viesti)
- Ocad 8 courses.txt and dxf
- Controls / courses are pointed manually. (rastit osoitetaan manuaalisti)

Use pre-loaded split time file "/kartat/results.txt" - Käytä tulostiedostona etukäteen tiedostoa "/kartat/results.txt" (use that file name even if you use csv/xml data)

OK

Select the file types that you wish to upload, click OK.

Fill in the event details and select the map source (new map / pre installed map) and browse to where the files are located on your computer, repeat this for the results and course data. Choose if you want to group competitors by class or course (you can't change this later).

[Manager menu](#) | [Manager Logout](#)

Adding new event - Uuden tapahtuman lisääminen:
Map - Kartta

Map name - Kartan nimi:
Test 2 map

Select map image - Valitse kartan kuvatiedosto (gif or jpg)
dget\Test Data\map.jpg

Event name - Tapahtuman nimi:
Test 2

Club name - Seuran nimi:
Any club

Event date - Tapahtuman pvm:
2007 01 27

Event level - Tapahtuman taso
Local - Paikallinen

Notes (optional) - Lisätietoja (ei pakollinen):

Result / split times

SportIdent split times csv - Väliajat SportIdent csv
Data\si_splits_results.csv

Classify competitors by class
 Classify competitors by course
 All runners in a same class have same course.
 Create individual courses using SI csv control codes (butterflies, score orienteering)
 Create individual courses using course name (butterflies)

Courses

Courses IOF-XML (Condes, Ocad9)
t\Test Data\courses.xml

Use pre-loaded Condes file **"/kartat/condes.xml"** instead - Käytä etukäteen ftp: tiedostoa **"/kartat/condes.xml"**

Click OK.

[Manager menu](#) | [Manager Logout](#)

Maastopisteet:
S1 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116

Radat:
0 1 2 3

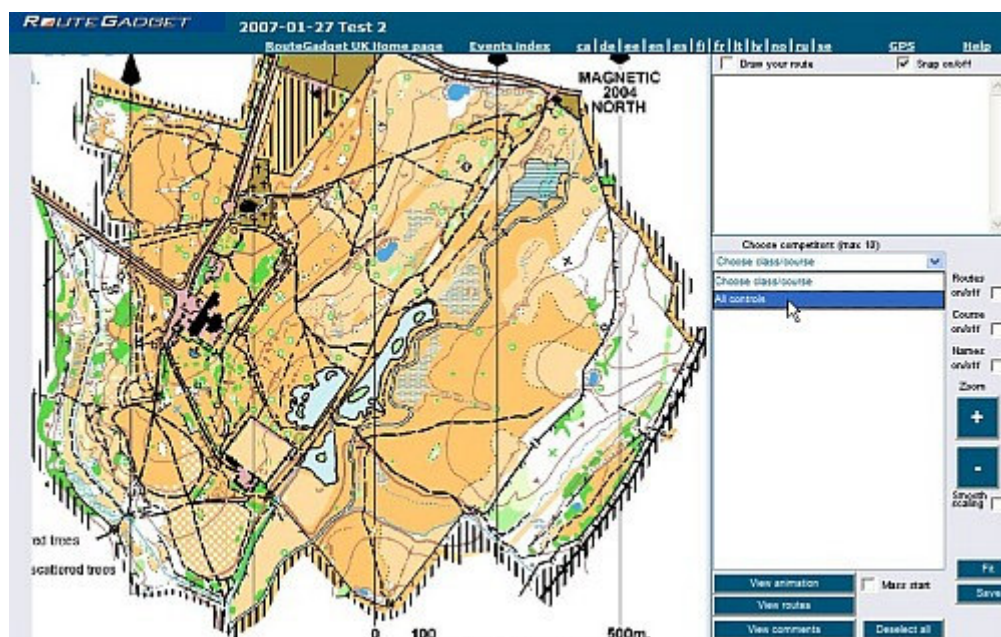
OK.

Next [Adjust controls on the map \(select there "Koko rastikanta"\) - Siirry rastien kohdis](#)

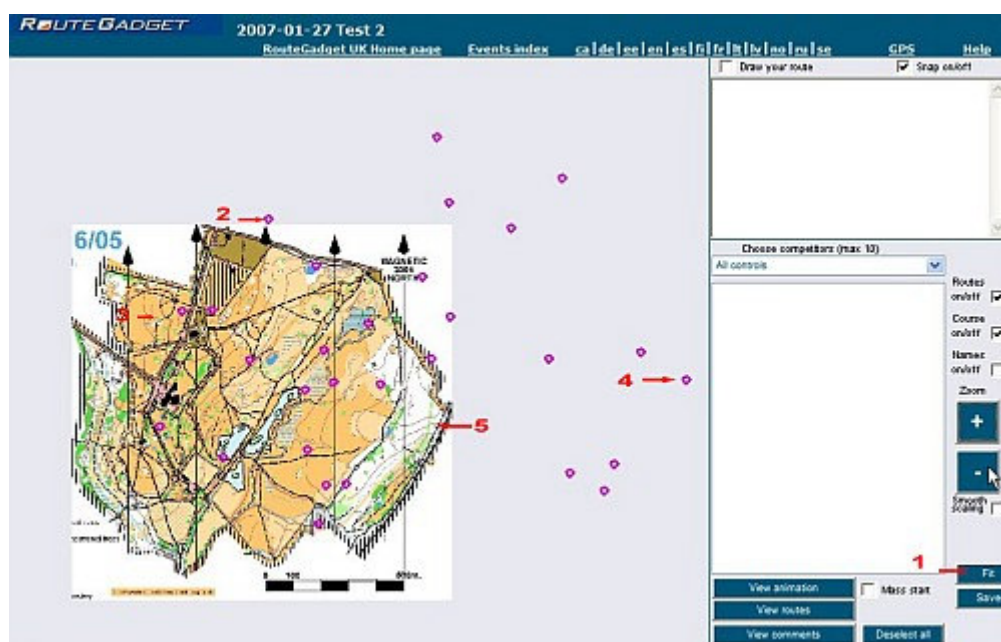
The data is now processed. Next, click on the link to adjust the placement of controls on the map.

Positioning the controls on the map.

From Class/course menu select "All Controls"



You should now see all the controls on the map. Zoom out using the + & - buttons to make sure you can see all the controls.



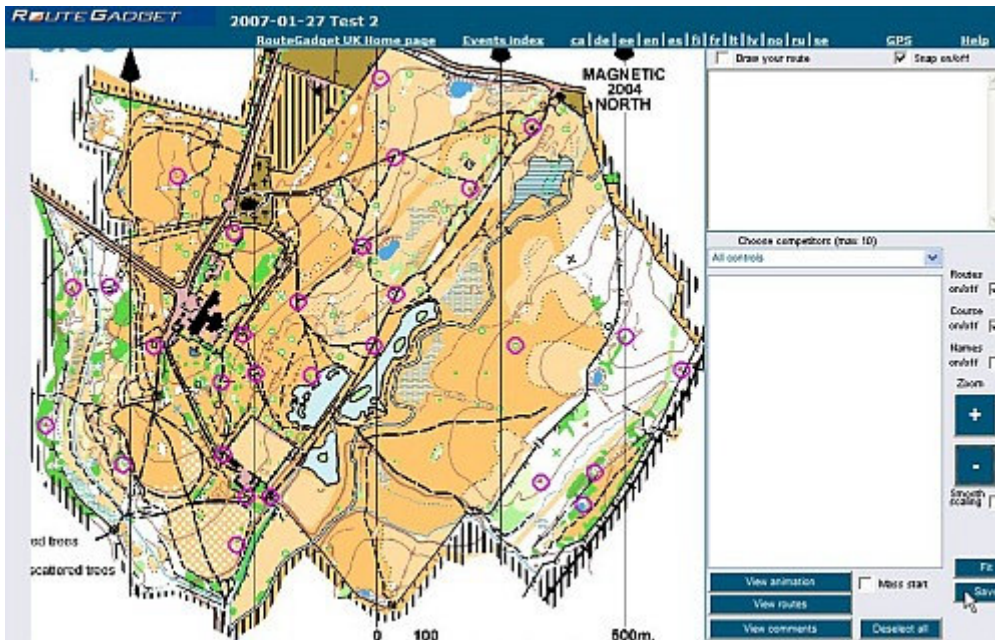
Now loop through the next steps until all the controls are in the correct positions.

1. Press "Fit" button
2. Click at one control on the top left side
3. Click at the correct position of that control
4. Click at one control on the bottom right side
5. Click at the correct position of that control

Controls should move to the new position. Repeat steps 1-5 until all the controls are at the right position. This can sometimes take 5-6 attempts. If you get it almost right but then it doesn't respond to moving a tiny amount, try moving it a bit further away and then try again.

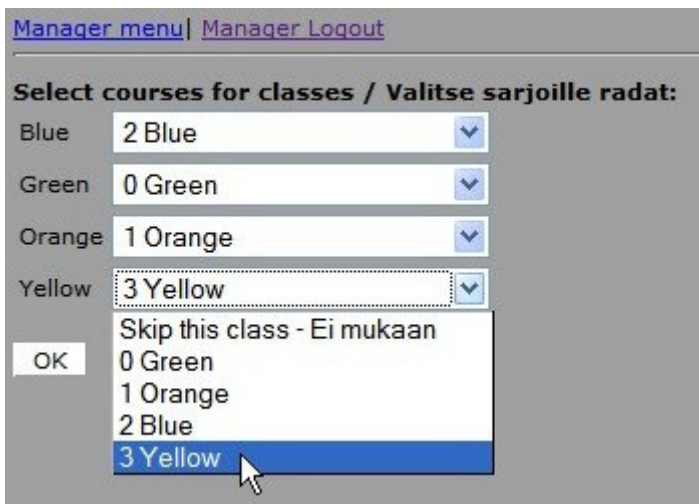
Note:

You can zoom and drag the map while taking these steps. If something goes wrong, you can start adjusting from the beginning by reloading the page in your browser.



When they all match up, press the “Save” button.

Now match the result and course file name connections (they can be different names). If you are grouping by class you will have a longer list and need to match the course to each class.



Click OK.



The Event should now be installed. Click the link “Back to RouteGadget” or go to “<http://www.CLUB.routegadget.co.uk/cgi-bin/reitti.cgi>” with your browser to see if everything is ok (replace CLUB with the club name registered with RG).

Viewing / adding routes

You should now see a list of the events available to view.



ROUTE GADGET				
[Events by club]		[Events by date]		
2007-01-27	Test 2	Any club	Local	Latest routes
2007-01-27	Test 1	Coaching	Training	Latest routes
2006-05-07	Creag Mhic, FCC Final/SOL4	EckO - Loch Eck Orienteers Regional		Latest routes

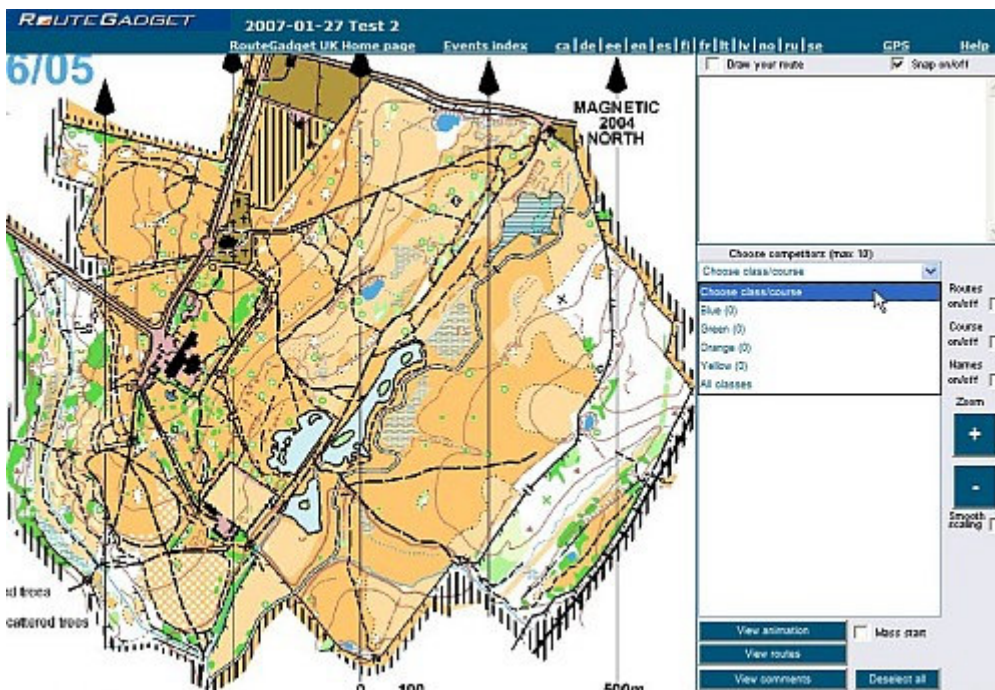
[<<<<] [>>>>]

Select the event that you want to look at and after a few seconds you may see the Java logo appear.



RG is a Java applet and Java must be installed for RG to work. If you don't already have it on your computer you may be asked if you want to download it. Java is used in a lot of web applications and very common on mobile phones. You can find out more by visiting <http://www.java.com>.

So now you should see something like below.



Click in the dropdown menu to view the courses. The number in brackets after the course name indicates how many routes have been added so far. You can select one to view the course controls. If you want to add your own route, follow these instructions.

Adding a route:

- Check the box "Draw your route", which is located in the top-right corner of the screen.
- Choose your class and name from the lists that appear when you click the box. Locate the starting point (the triangle) on the map. You can move the map around by pressing and holding down the left mouse button somewhere on the map while moving the mouse in the desired direction. You can also zoom in using the + & - buttons on the right.
- Draw your route from the starting point to the first control by clicking the left mouse button in places where you changed direction. (The program will create a continuous route between these points that you plot.) Your route is drawn in red. The blue line shows the direction to your next control and there is a halo round the circle. When you have created a point close to the centre of the ring marking the control, the Blue line switches to the next control. If you make a mistake while plotting the points, you can go back one or more points at any time by pressing "undo".
- Snap on/off, turn it off if you want to plot points near the centre of the control circle, otherwise it automatically snaps it to the centre.
- You can also move the map while drawing your route: Press and hold the left mouse button and move the mouse in the desired direction.
- RG spreads your time out evenly along the route that you draw for each leg. This may not be accurate, particularly if you had trouble with any part of the leg. If you wandered around in some location make sure to include a lot of fine detail in your drawing, even if you don't know exactly where you were. This will appear to slow the animation in that area (and not on the part of the leg where you did well). You can also artificially introduce a pause if, for example, you stood for a minute relocating. You can show this by creating a small tick mark across your route and oscillated back and forth in place on the tick mark for a while when you are drawing the route. Then the animation will also appear to pause at the same location. You can also press the +3sec button once or more to add your thinking time at a particular point (these points are displayed when viewing routes).
- Draw your entire route from start to finish.
- In some cases the routes will speak for themselves, but there is also a comment field for you to use. You can write to the comment field when you think of things while you are drawing your route. This can be particularly helpful for beginners looking at the animations and wondering what was going on. Was the route planned or accidental? If it was planned, what was the thinking? Make sure to include the leg number in the comment since the comment is associated with the entire course. For example:
 - 1-2: Aimed for the fence corner to use it as an attack point.
 - 4-5: Accidentally drifted much lower than planned. Saw the road and turned.
 - 5-6: The undergrowth seemed much slower than mapped. So I switched to the stream bed for a faster route.
 - 9-10: Was planning to use the trail bend to attack, but found the boulder and used that instead.
- If you make a mistake before you save it you can use the UNDO button to go back. The RouteGadget administrator can remove your route if you realize that you made a drawing mistake after having saved it.

Import from GPS:

You can also import a route recorded on your GPS. There are 5 different formats offered. Click the GPS button at the top right of the page, there is a help button on the GPS import page that links to the developers website:

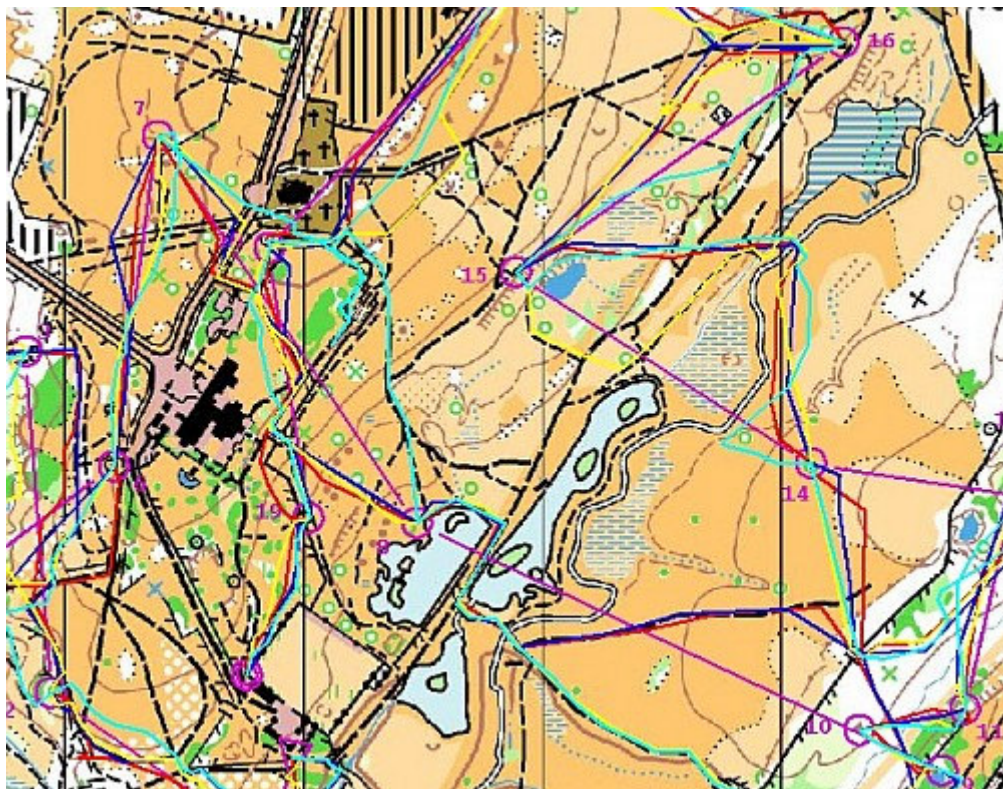
<http://www.route gadget.net/grgpshelp/> This provides very detailed guidance through the process.

Your GPS route can be in addition to you manually plotted route. As the GPS route does not register the individual control splits your time is averaged out over the whole course for the animation. It can also be interesting to plot your route from memory then upload your GPS one and see how good you memory is!

Viewing routes:

RG is quite intuitive and easy to use. Here's a short summary to give you a quick start:

- First you need to select an event.
- To view a race animation, you need to “Choose class/course” to select the course you want to view.
- You can move the map around by pressing and holding down the left mouse button somewhere on the map while moving the mouse in the desired direction. Now, locate the start triangle.
- Next, “Choose competitors” whose routes you would like to view. Select up to 10 people who have drawn their route (those with a '*' at the start of the name).
- To start the animation, press “View animation” button, select “Mass start” option (on by default), and press 'Start' button. Small squares representing the different competitors should start from the triangle.
- During the animation you can move and zoom the map. You can also increase/decrease the animation speed with “Speed + / Speed -“ buttons.
- You can also view the competitors' routes, splits, and comments by clicking on “Show route”.
- “Smooth scaling” improves the quality of the image when you zoom out.
- If the competitors have been grouped by class you can still view routes plotted on the same course but in a different class by selecting “All classes” in the dropdown menu. This will show a list of all the competitors who have plotted their route, just select people that were on the same course. The map will show all the controls from all courses, then view the routes and the animation.



Example showing several routes and the course.

Appendix 1, Possible problems

Controls removed from the splits:

RG will have problems if there was a timed crossing point or a faulty control that is removed from the results. The files that RG creates contain a string of times in seconds from the start for each control, separated by a semi-colon. It depends on the event software being used as to what happens.

OE2003

Removes the split time completely, and so the sequence in RG is missing one number. So the following control times are brought forward and then there is one short. This is because the number of controls expected for each course came from the XML course data file and that is what is shown on the map. Below is an example line from the “kilpailijat.txt” file (found in the kartat directory folder):

```
2|1|Course 1|Thomas Wilson|6060||18:06|72;145;314;452;655;773;893;1052;1086
```

You can just edit the file for the runners concerned by inserting a time for the missing one. If the third control time is missing just insert 225; (a guessed time) between 145; and 314;. Now everything should work fine, but you need to do this before people start plotting their routes.

Aut-O-Download

Leaves the excluded control in but gives it the same time as the previous control. This allows routes to be plotted ok, but the animation stops when it gets to the offending control. Below is how that would look:

```
2|1|Course 1|Thomas Wilson|6060||18:06|72;145;145;314;452;655;773;893;1052;1086
```

Here you just need to change the repeated time to 225 (a guessed time).

*Note: You should only use Microsoft Notepad to edit these files as Word can corrupt the formatting.

Alternative option

You could also remove the crossing point from the OACD/Condes course file before creating the XML file. The control numbers on RG would then be out by one from that point on compared to the competitors map. As long as you explain this to people before you send them to RG this should be ok.

Java:

RG is a Java applet and Java must be installed for RG to work. If you don't already have it on your computer you may be asked if you want to download it. Java is used in a lot of web applications and very common on mobile phones. You can find out more by visiting <http://www.java.com>.

Sometimes, if you have spent a bit of time going backwards and forwards on RG the map fails to load and get a blank screen with “applet error” at the top left of the screen. If this happens, close down your browser and then start it up again.

Backups:

You should backup the “kartat” directory from the server regularly. I recommend daily for the first few days after an event, after that it depends on how much changes.

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Whilst I will try to help with any problems if I can, no support is promised.