NOTE: If you're planning on getting involved with mapping for NOC, please first talk with members of NOC's Mapping Committee for advice and to prevent us duplicating our efforts. In particular, this group can help to provide you with a quality base map for new maps and suggest existing maps that need updating.

Mapping with *OCAD*

OCAD is an orienteering mapping software program which is a Windows application but it is possible to run it on Mac or Linux. The Club has a subscription to licences for several editions of *OCAD*. The *"OCAD Starter"* and full *"OCAD Orienteering"* editions facilitate the creation of new maps and the revising of existing maps. (The Club also has *"OCAD Course Setting"* edition licences but this only has course setting functionality. There is also *"OCAD Viewer"* which is free to download but it only allows viewing and printing of maps and courses).

The Club's [mapping officer](#) can provide mappers and course planners with access to an *"OCAD Starter"* licence for revising an existing map creating a new map.

NOTE: As the Club's OCAD licences are a shared resource they needed to be "deactivated" when not being used to allow other Club members to use the software. This is done through the "Licence Manager", accessed from the "Help" menu from the main screen in OCAD. Tick the box at top left for "Deactivate this licence automatically when closing OCAD". When you close your OCAD session the licence will be released for others to use. You will need to click on reactivate the licence next time you open OCAD.

OCAD Help is available at the following links:
[Getting Started with OCAD](#)   [OCAD Wiki](#)

NOC owns a dedicated tablet running Windows that can be used for mapping directly with OCAD in the field. Contact the [mapping officer](#) for potential use of this tablet to produce a new map, or to revise an existing NOC map (you may find the *OCAD Sketch* app installed on your phone, or tablet, is a simple solution for recording minor map revisions - see below).

OCAD Sketch

OCAD Sketch is a free app that can be downloaded to an ios or android phone or tablet. It allows the users to draw onto an OCAD map using the device's touchscreen either with a finger (OK) or a stylus (better). It also uses the device's GPS to show the user's location on the map (the map must be correctly geo-referenced and the device must have or GPS or linked to an external GPS). It can also record the user's track as they move across the map (eg. following an unmapped path). The "sketchings" are not drawn directly on the map but on a "Sketch layer" which can be later uploaded to OCAD and used as background to make revisions to the map, or to help draw a new map.

OCAD Sketch is simple to learn and use and has proved very useful for checking control sites and recording map updates when course setting/vetting, as well as for the production of new maps. Users have found it easier to use in the field than pen & paper.

Uploading an OCAD map (and other background maps) to OCAD Sketch, and downloading the "Sketch layer" back to OCAD, must be done through *OCAD Starter* or *OCAD Orienteering.* The Club's [mapping officer](#) can provide mappers and course planners with access to an *"OCAD Starter"* license to facilitate this, or provide course planners/vetters with a link to load the map to the *OCAD Sketch* app on their device.

OCAD Sketch Help - [NOC OCAD Sketch App guide](#)   [*OCAD Sketch* App - OCAD Wiki](#)
[*OCAD Sketch* App Explanation video](#)

Mapping with *Open Orienteering Mapper (OOM)*

[OOM](#) is a freeware program that runs on Windows and Android. It's a fairly intuitive program to use. OCAD

files can be imported to OOM and saved as OCAD files, if required.

It allows mapping in the field with a GPS-enabled tablet with stylus and/or map manipulation on a laptop or desktop with a mouse.

Although the software is regarded as a Beta program, OOM is being widely and successfully used across the international orienteering community.

Use the following links to learn the OOM basics.

[OOM User Manual](#)
[How to make a map with OOM](#)
[Working with templates in Open Orienteering Mapper](#)

NOC owns a Samsung tablet with OOM installed that can be used for mapping or revising existing maps. Contact Ian Dempsey if you want to make use of this tablet to produce a new map or to revise an existing NOC map.