

OA Mapping Committee Meeting
Australian 3 –Days
Dubbo
22 March 2008

Present: Noel Schoknecht (Chair), Andy Hogg, Paul Pacque, Neil Barr, Hugh Moore, Jim Russell, Rob Simson, Adrian Uppill, Eric Andrews, Alex Tarr, Ken Dowling, Anita Dowling, Steve Doyle

1 The colour purple

There was discussion about the merits of various CMYK settings for the colour purple. One clear message was that the legibility of the purple largely depends on the colours underneath. In sprint event maps, where large areas of solid colours are used, the 100% magenta was often the best setting for most orienteers. In all cases it is necessary to do trial print runs using the OCAD settings and the printer to be engaged for the event to test legibility. To assist course planners and controllers an OCAD file is available which has all commonly used settings of purple and can be used as a colour test sheet with the printer being used.

Adrian Uppill distributed examples of purple numbers with a 0.1 mm white boundary. It was agreed that this made the numbers more legible where the numbers occurred over solid colour areas (especially in Sprint maps) and the committee considered that there was no reason why these could not be used in all but IOF events.

Action:

Adrian Uppill put the OCAD purple file on the OA website.

2 Olive green vs. purple on sprint maps

The inconsistency of options for marking out-of-bounds area between ISOM and ISSOM was discussed. The committee agreed that there should be the option to use black stripes for permanently out-of-bounds areas in sprint maps.

Action:

Adrian Uppill/Andy Hogg to advise the IOF that the black stripe should be an option for out-of-bounds areas in ISSOM maps.

3 Synthetic papers

Several synthetic or synthetic/paper composites were distributed at the meeting. The aim is to find a suitable waterproof paper that can be used with digital printing to remove the need for plastic bags at events. Due to cost synthetic maps are most likely to be used for major events only.

Papers viewed included:

Teslin 110gsm

Never Tear (FujiXeerox) 100 micron

Yupo Ultra 100 gsm (Offset only?)

Sihl PicoFilm 125 micron

Sihl Enduro (paper/synthetic laminate) 90 gsm

Comet?
PPL – UV pigment?

Noel noted that not all synthetic papers are suitable for the high temperatures used in laser printing. Cheap polypropylene papers have been available for several years for use with offset printing. Ensuring that the paper is compatible with the printer is essential for laser printing or else expensive repairs can follow.

A review of synthetic papers is required, including colour reproduction, durability and cost. The review needs to include experiences within and outside of Australia and should be available on the OA website with recommendations.

Action:

Adrian Uppill to collate experiences from around Australia and test the products. A review, with recommendations, should be published on the OA website, and should also be an article in the Australian Orienteer.

4 Colour swatch

Copies of the colour swatch printed in 2004 were distributed to committee members. A pdf of the file will be placed on the OA website and the OCAD file will be sent to the OA Mapping Chair

Action:

Noel to send file to Adrian Uppill. Adrian to post files on the OA website.

5 Review of Tasmania's new Xerox DocuPrint printer

Orienteering Tasmania has purchased a new Xerox DocuPrint 4350 printer. Other associations may be interested in the pros and cons of owning their own printer. Greg Hawthorne has done a review of the printer so far. This review should be circulated to the mapping committee and possible also posted on the web.

Actions:

Noel Schoknecht to send review to Adrian Uppill

Adrian Uppill to circulate review, including update from Greg Hawthorne.

6 Map scale and printing method decision support

Noel Schoknecht recirculated a decision support tool to assist organizers, planners and controllers to choose the correct printing method and scale for major events.

Actions:

Noel Schoknecht to forward file to Adrian Uppill.

Adrian Uppill/Andy Hogg post on OA website if deemed useful

7 OA policy of OA mapping committee checking digitally printed maps for Group A events.

The current policy was briefly discussed and it was agreed that digitally printed maps for Group A events should be approved by the OA mapping committee (usually mapping chair)

Action:

Adrian Uppill maintain this policy.

8 Mapping workshops

Eric Andrews gave a brief run-down on the mapping workshop he held in conjunction with JWOC last year. The workshop was every successful. Noel Schoknecht thanked Eric for his efforts. Eric is planning another workshop north of Orange in conjunction with the Masters Games in 2009.

9 GPS mapping

This is still an emerging issue, and many mappers have dabbled in the area. There needs to be a forum to share knowledge and experiences.

Action

Adrian Uppill to organise ways that this knowledge can be shared – maybe via a review on the OA website.

10 LIDAR (Light Detection and Ranging)

LIDAR provides the ability to get high quality contour information suitable for mapping. This need is increasing as traditional photogrammetry from film diapositives is slowly becoming redundant. The key issue is the skill in interpreting the large volumes of data to produce a suitable surface contour map.

Hugh Moore presented a paper written in Skogssport (?) written in Swedish. Hugh offered to translate the article and distribute it.

Action:

Adrian Uppill to coordinate sharing of knowledge on this area.

Hugh Moore to translate the article in Skogssport and forward to Adrian Uppill

11 ISSOM contour interval

Adrian Uppill raised the issue of contour intervals for sprint maps. Current ISSOM regulations stipulate 2 or 2.5 m. Adrian suggested that 5 m contour interval should be an option. The committee considered that the current rules were adequate, and suggested that if the area required 5 m contours at a scale of 1:4000 or 1:5000 then it was too steep.

12 Map versions

It was acknowledged by the committee that keeping track of versions of maps, edits, OCAD colour table changes etc. is an important issue. It was agreed that it is a state/association responsibility to ensure that editions are tracked, and “approved” map versions are maintained and changes are tracked and reviewed. Adrian Uppill suggested this may be easier in a yet-to-be released new

version of OCAD (10) where OCAD files can be circulated in an encrypted form which allows the files to be used but not modified.

13 Map colours

There was a discussion about the need to match OCAD colour tables with printers and papers to ensure the colours are reproduced as close to IOF specifications as possible. Noel Schoknecht noted that it is impossible with CMYK printing to achieve the same results as spot colours. Yellow, purple and brown were especially hard to get close matches. The colour swatch is a useful tool to achieve this. The key message is that the combination of OCAD file, printer type and paper must be trialled prior to events to get the best colour results. This is especially important for major events.

Action:

Vigilance required by all producing colour maps to achieve acceptable and legible colours that approximate the IOF standards.

Noel Schoknecht (Chair)