OA Mapping Committee Meeting

Saturday 19th April 2014

Venue: Kandos High School, Fleming St, Kandos

Room 3: Mapping 3.30pm – 5.30pm

Chair: Adrian Uppill

AGENDA
Present:
Ruth Goddard (Vic), Neil Simson (Qld), Janet Morris (NSW), Carol Jacobson (NSW), Ken Jacobson (NSW), Paul Hoopmann (SA), Terry Bluett (NSW), Maurice A (NSW), Barry (NSW), Paul Pacque (TAS), Rob Simson (QLD), Ricky Thackray (WA), Trevor Sauer (QLD), Russell Rigby (NSW), Dale Wallace (NSW), Michael Burt (NSW), Don, Alex Tarr (VIC)

Apologies:

Agenda Items:

1   Revision of ISOM2000
     AU provided an update on the revision of ISOM including:
     - Submission 30 June 2013 on First Draft
     - Discussion with MC member Sergio Grifoni at WOC, Finland, 2013
     - Discussions with Julian Dent and other elite Australian orienteers
     - Submission 24 September 2013 on Fixed area screens, photographs and map examples
     - At Jan 2014 meeting of Map Commission all symbols discussed but no decisions made, colours to be considered 2014
     - Ongoing discussions with Erik Peckett, Member IOF Map Commission working on the revision of ISOM2000, about OA objections to fixed area screens for Stony ground, Broken ground & Boulder fields

     Original and follow up OA submissions available here:
     http://www.orienteering.asn.au/technical/mapping/mappers/

2   Digital aerial photographs
     Russell Rigby, NSW, provided comments on NearMap's license fee costs, data usage & using images in OCAD. Images are not georeferenced although a transformation process is available. 250 MB is the largest download. Can use demo site to see area of coverage in Australia
     High resolution images are available for a small license fee ($30) from Google Earth.

3   Sprint mapping
     Discussion on competitor complaints about sprint maps particularly those maps used for NOL events:
     - Legibility issue with Olive Green (areas forbidden to be crossed) and possible alternative suggestions (as below) was discussed.

       Method A was considered to be the best method for improving the legibility of Olive green areas ie Olive green areas to have a bounding black line (0.07mm). In most cases Olive green will already have a bounding line in whole or part ie fence, wall or path, and where there

is no bounding line, a thin black line is added. NB The Map Commissioner has said this is a sensible

Recommended for use in Australia.

Options for Area with forbidden access:
A use Olive green and always with a bounding line
B use Impassable vegetation
C use Olive green with thin purple vertical stripes and always with a bounding line
D use a thin purple vertical stripe over any vegetation area that is out of bounds and always with a bounding line

- Discussion of the paper 'Sprint maps require special considerations', Appendix 1. This paper highlights some of the issues resulting from recent sprint races and remedies that are available.

4   'Mapping of Rock Features'
Alex Tarr has revised OA Operational Manual 6.2 'Mapping Rock Features', which Alex wrote. Committee adopted the revised document.

nb Elements of this document may be used in the revision of ISOM2000 ref Erik Peckett

5   OA Map Statistics
Reminder to Associations for the need to complete & return OA Statistics Form 6 which is now over due for the year 2013.

6   Mapping symbols
A new single page sheet showing Sprint map symbols has been drafted -
'Map symbols for orienteering sprint maps'

The map symbol sheet 'Map symbols for orienteering maps' has been updated.

Both sheets to be available for download from the OA web

APPENDIX 1
Sprint maps require special consideration
Notes by Adrian Uppill, April 2014

The map must be legible and easy to interpret at <u>high speed</u>

'Forbidden to cross' symbols for fairness, safety or OOB

   Thick black lines (0.40mm)

      Impassable wall

      Impassable cliff

      Impassable fence

      Impassable pipeline

   Dark Green area (4th green on sprint maps)

      Impassable vegetation

   Olive Green

      Area of forbidden access – olive green screen

   Dark grey or Blue with Black bounding line (0.14mm)

      Building – grey screen

      Impassable water body - blue screen

      Impassable marsh – horizontal blue lines

   Purple overprint symbols (for last minute changes)

      Uncrossable boundary – purple line

      Out-of-bounds area:

         vertical purple lines

            no marking on ground - no bounding line on map

            continuous marking on ground – bounding line on map

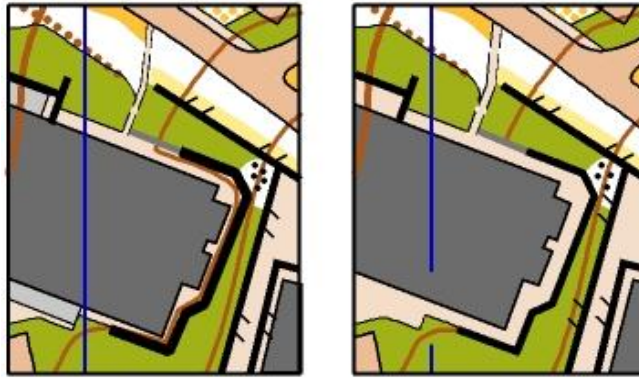   intermittent marking on ground – dashed bounding line

      50% Purple screen

Check minimum gaps – needed for legibility, especially for non-offset printing

   0.40mm gap between buildings and other impassable features

   0.35mm gap between the bounding lines of Paths with paving infill
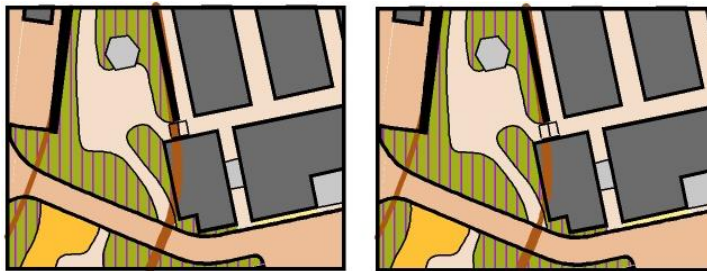
   0.15mm gap between lines (0.25 mm for blue)

Cut the contour lines at steps and or where contour lines, especially Index contour, may reduce the legibility of pathways. Also small sections of Index contours can be changed to Contour lines to improve legibility.

Complex multilevel areas which cannot be mapped clearly or easily interpreted are not suitable for sprint orienteering

- Only the 'main' ground level should be mapped
- Underpasses and bridges shown if space available & easily interpreted
- Controls not to be placed under or above the 'main' running level

No deviations of mapping specifications

- Nb ISOM 209 Boulder cluster symbol permitted in Aust.

- Examples of deviations:
    - 'closed' gate symbol – do not use
    - Elongated 'H' symbol for seat - seats should not be mapped
    - Undersize 'X' for man-made feature – use correct size

Course marking

- Use overprint effect for non-offset, but subject to visual test
- Use white border for Control Numbers to improve legibility of number

White border ~ 0.10 - 0.20mm width

Colour Purple

CMYK = 30 100 15 00 (not default setting of 100% Magenta)

Check printed colour

Paper quality

Good quality copy paper, bright white, 80-100 g/m2

Impress DM Matt, 100gsm

Use plastic bag 0.10mm thickness

Waterproof paper

Teslin 150gsm

Pretex 150.120 (120gsm)