

## PrintTech project

### Assessment of print quality (Orienteering)

**Event date:** 20 April 2014 (NZL - New Zealand National Championships 2014)

**Type of event:** Longdistance

**Received:** May 2014

**Map scale:** 1:15000

**Printing technique:** CMYK offset

**Resolution:** A bit poor for the contours, and many other symbols suffer (in particular vegetatoin boundary - black dotted line)

**Colours:** Quite good for CMYK, but brown turns out too pale

**Overprint effect:** No

**Course overprint effect:** No, but black shows through, and maybe some effect for brown.

**Paper:** Fine

**Other map related comments:** According to the organisers, the map should have been spot colour offset printed, but due to a misunderstanding it was separated into CMYK instead. Every 5th contour shall be an index contour. At least two marshes have vertical lines instead of horizontal ones! Some extremely small areas of green. Small knolls are too small (0.35mm instead of 0.5mm)

#### Some explanations

**Printing technique:** Spot colour offset (preferred) and CMYK printing are the most used printing methods. CMYK printing can be done on offset printing machines, laser printers, ink-jet printers, ... *application: offset / non-offset* is taken from the WRE application form.

**Resolution:** Resolution is assessed by visual inspection of contours and other thin lines.

**Colours:** Colours are assessed by comparing with the IOF PrintTech project spot colour offset printed testsheet.

**Overprint effect:** Overprint effect shall be implemented for the map contents, see the section on *Overprinting* in the ISOM 2000 for details.

**Course overprint effect:** Overprint effect shall be implemented for the course overprint, see the section on *Overprinting* in the ISOM 2000 for details.

**Paper:** Suitable paper of high quality is very important for the final print quality.

**Comments:** Comments on other aspects of the map may be given here.