

# IOF event quality - what about maps?

Guidelines, map advising  
and map evaluation.

ICOM 2014, Lavarone, Italy

# IOF competitions

## Maps and mapping

- Application stage: Suitable terrain for the format
  - The terrain must be mappable
- Event advising - mapping
  - Making sure that map specifications are followed
    - Readability - generalisation
    - Symbols
  - Ideal case: The IOF approves the maps
- Printing and preparation of the maps
  - Print quality, paper quality
  - Protection of the competition maps (plastic bags)

# Specifications and guidelines

- Map specifications (Orienteering, Sprint orienteering, MTBO, Ski-O)
- Competition rules
- Guidelines and checklists
  - "Check list for controlling the map making of major IOF events" - RC+MC
  - "Guidelines for using non-offset printed maps in WREs" - MC
  - "Ski orienteering map symbols and map scales" - MC

# Print quality

- Orienteering
  - Extreme demands on print quality (contours, vegetation, ...) - resolution and colours
  - Spot colour offset is the standard to compare with
  - Other printing techniques need approval
- MTBO
  - Roads, tracks and courses are the most important
  - CMYK printing is fine - colour and symbol sizes
- Ski-O
  - The tracks and courses are the most important
  - CMYK printing is fine - colour and symbol sizes

# Map evaluation

- Organisers shall send maps to the IOF
- Maps from the highest level events evaluated for a long time
- WRE maps evaluated since 2011

# IOF main events map evaluation

- World championships, World Cup, World Games
- Evaluation of
  - Map specification compliance
    - symbols
    - generalisation / readability
  - Print quality
  - ...

# WRE map evaluation

- Monitoring print quality
  - Paper
  - Colour
  - Resolution
- Map specification compliance
- Feedback to federations, organisers and EAs

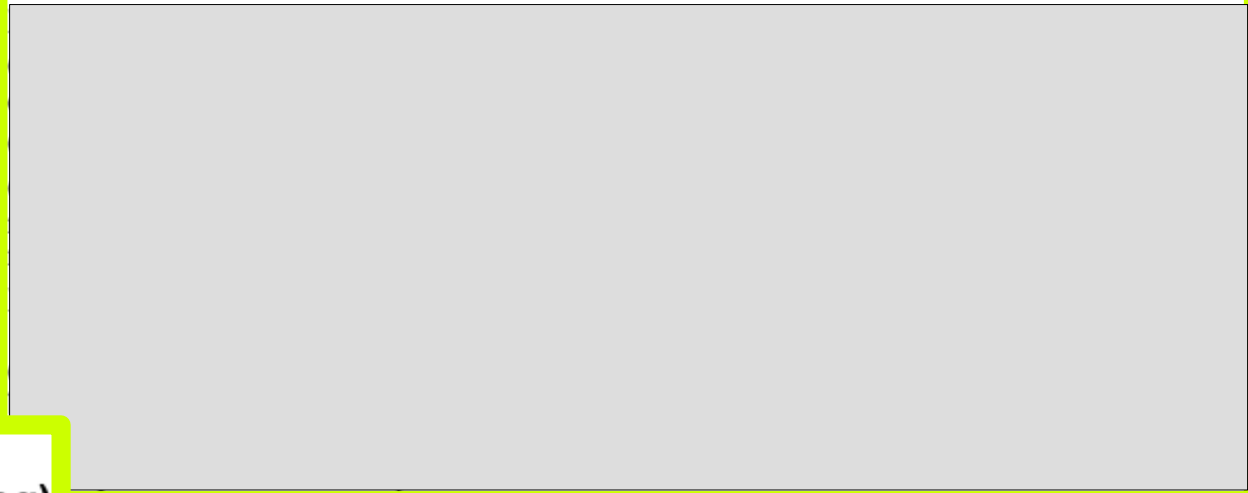
**PrintTech project**  
**Assessment of print quality (MTBO)**

**Event date:** 29 July 2013 (Australia)  
**Type of event:** Long  
**Received:**  
**Map scale:** 1:25000  
**Printing technique:** CMYK



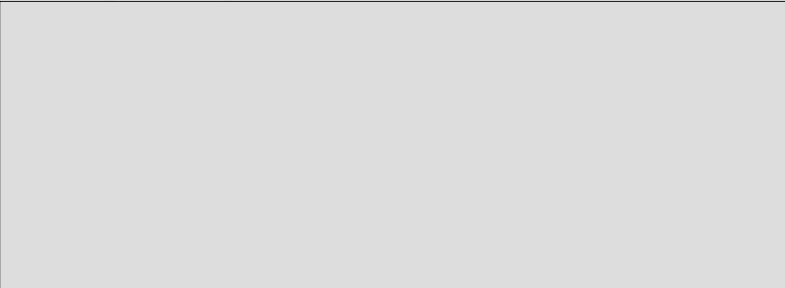
**PrintTech project**  
**Assessment of print quality (SkiO)**

**Event date:** 13 February 2014 (TUR - Ergen Ski-O Days)  
**Type of event:** Sprint  
**Received:** March 2014  
**Map scale:** 1:5000  
**Printing technique:** CMYK



**PrintTech project**  
**Assessment of print quality (Orienteering)**

**Event date:** 27 April 2014 (SWE - Silva League)  
**Type of event:** Longdistance  
**Received:** May 2014  
**Map scale:** 1:15000  
**Printing technique:** Offset, CMYK + brown



**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, ...  
**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.