

**Minutes of IOF Map Commission meeting  
held on 15th - 16th July 2012  
at the Hotel Alpha Palmiers, Lausanne, Switzerland  
in conjunction with WOC 2012**

**Present**

Håvard Tveite NOR (HT) – Chairman  
Thomas Gloor SUI (TG)  
Sergio Grifoni ITA (SG)  
Flemming Hjorth Jensen DEN (FJ)  
Jukka Liikari FIN (JL)  
Erik Peckett GBR (EP)

Absent Ales Hejna CZE (AH)

**MC12/14 Agenda for the meeting MC2012-02 and Minutes of the meeting MC2011-01**

The agenda for the meeting was approved. EP/JL would take the minutes.

The minutes of the previous meeting MC2012-01 held in Vantaa, Finland in January 2012 were approved.

**MC12/15 Correspondence**

It was noted that the HT has received a large number of e-mail messages since the previous meeting. HT had replied to all of them. A selection of the correspondence had been included in the meeting documentation.

It was noted that the use of the non-standard map scale 1:7500 in the Spanish middle distance championships April 8 2012 had been discussed by the IOF Council. In its meeting 20-21 April 2012, Council had decided to withdraw the EA license of the Event Adviser for a period of 2 years for this breach of IOF rules.

**MC12/16 Deviations requests**

MC has had two requests on deviations from specifications:

- WRE Croatia, map scale 1:7500, request denied.
- ASOC China, map scale 1:7500, request denied.

MC stated that the EAs shall be more careful to follow the rules and the map specifications. One problem is that the IOF does not have a system to appoint the EAs to the WRE. However, EAs must have a licence from the IOF and are the IOF's representative.

**MC12/17 Clinics**

FHJ reported that there have not been any clinics or requests for clinics.

ICOM 2012 had been held two days before the meeting:

- Some of the presentations were too long or longer than scheduled, and there were more discussions than expected.
- A five minute gap between presentations would be scheduled next time.
- To increase participation, a time during the WOC week will to be considered for the next ICOM

**MC12/18 Ongoing projects**

1) Colour deficiency (AH): In the spring, AH published a questionnaire on the web and sought colour deficient orienteers to help with the project. No results to date.

2) Generalisation (EP): On going. Changes in the ISOM 201X would, it is hoped, help mappers to generalise their maps

3) PrintTech (JL): JL had received some samples of maps and a report from Japan (ink jet printer). The quality was very good.

### **MC12/19 Map Specifications SkiO and MTBO**

JL reported that there had not been any suggestions for changes to the SkiO specifications.

MTBO has requested a revision in 2013. This would include "rideable area". The five different area symbols will be tested during the season 2012. The MTBO Commission will contact JL after the season.

### **MC12/20 Map Evaluation project**

SG had received maps from JWOC SLO, WOC FRA, WC 9 SUI, WC CZE; WC POL.  
SG will ask for the maps of all the main IOF events.  
SG had evaluated these maps.

JL had received maps from SkiO World Cup 2012 USA, WMTBOC 2011 ITA, WTOC 2011 FRA and EMTBOC 2011 RUS. The IOF Secretariat will send further MTBO and SkiO maps to JL in July 2012.

The reports will be published on the Map Commission web site.

The IOF Event Quality project - map issues: Nothing to report.

### **MC12/21 World Championships mapping - progress reports**

2012 Switzerland (TG)

TG reported that there had been a lot of discussion about the canopies and multi-level structures in the sprint map. The ICOM 2012 will visit the area with the mapper and TG (the IOF Map Adviser).

2013 Finland (HT) - JL reported.

Long, 30 km<sup>2</sup>: whole map is ready. A part of this area is ready for training.

Middle and relay, 20-25 km<sup>2</sup>: the maps for qualification and finals are ready. A part of this area is ready for training and another part of the training area will be ready in August-September 2012.

Sprint: The map for the finals is ready. The map for the qualifications will be mapped in July 2012, so that the vegetation is similar to the situation in the competition day next year.

Training maps: All the official training maps are ready. There are about 30 training maps that can be ordered from the WOC web pages.

All maps for WTOC 2013 are ready.

2014 Italy (HT) - SG reported

Maps are under way and on schedule. Grants for the event mapping had been agreed.

2015 Great Britain (EP)

The competition areas are being identified.

Some good areas have not been selected because of difficult access for arena equipment.

The Sports Director of the IOF, Björn Persson, IOF SEA and National Controller had visited the areas recently.

EP, IOF Map Adviser, had requested to see the Mapping Contract when ready.

### **MC12/22 ISOM201X**

MC had a long discussion about this item. TG would revise the ISOM ready for it to be sent to the Reference Group.

A draft of a letter to the reference group was prepared for the consultation. It was expected that this would be sent within the next month. It was planned that the Federations will be consulted by the end of the year 2012 and before the next MC meeting.

### **MC 12/23 Jury decisions concerning protests at sprint events**

The Sports Director of the IOF Björn Persson (BP) contacted HT in June 2012. BP raised the matter of seemingly inconsistent jury decisions concerning recent sprint events. BP brought to attention three cases of particular interest: WC 2 2009 FIN, WC 1 2012 SWE and WC 5 2012 SUI. MC discussed the matters, and concluded that the current ISSOM version is a good tool for deciding such issues, and that part of the inconsistency problem could be a varying competence on the competition rules, the sprint format and sprint mapping of the jury members.

HT would consult BP and David Rosen Rules Commission

### **MC 12/24 Implementing overprint effect with CMYK printing**

JL reported that he had experimented with different ways of achieving the overprint effect using 4-colour printing, and that he had also contacted OCAD AG about this issue. They reported that spot colour mode (simulated overprint effect) do not work well on laser printers unless the printers are very powerful and using a very high resolution.

TG gave some very useful information about the printing (Appendix 1).

HT said that Norwegian experience shows that the appearance of a printed map in most cases will be better when using overprint effect (as specified in ISOM 2000).

### **MC 12/25 ISOM - Areas and features forbidden to cross or pass**

The chairman of the Rules Commission (RC), David Rosen (DR), has contacted the MC: RC feels that the meaning of "uncrossable" should be clarified in the new ISOM so that competitors understand which features they must not cross and which they are merely advised not to cross.

The MC would consider this item as part of the ISOM 201X project. HT would write to DR.

### **MC 12/26 Topics for the January 2013 map commission meeting**

ISOM 201X will be the main item.

### **MC12/27 WRE printing - received maps**

HT had received maps from 12 WREs for 2012 so far. He had written a short report of every map. Every report contains event, date, type of event(s) and map scale(s), competition distances (long, middle, sprint), printing technique, paper, resolution, colours, overprint effect, symbol sizes, deviations from the map specification and errors.

It was noted that it is difficult to give feedback directly to the individual mappers and organisers due to missing email addresses. HT would request IOF Secretariat to furnish an email address for each event or Federation. The Reports would be put on the IOF Map Commission web pages.

### **MC 12/28 Closing**

HT closed the meeting. The meeting was held in three parts with a total time of fourteen hours.

EP/JL  
17<sup>th</sup> July 2012

## Appendix 1

JL reported that he in May 2012 had asked OCAD AG about the best way of producing laser printed maps with an overprint effect. OCAD AG told that there are different printing modes (spot colour and CMYK) and different printing devices (offset, digital offset, laser and ink jet). The printing device (laser or ink jet) should have a resolution of 1200x1200 dpi or better 2400x2400 dpi. Spot colour work very well on offset and ink jet, but not on laser, except for lasers with a very good quality. The best way is to export a combined spot color PDF file and print this PDF file from Adobe Reader. It is not absolutely sure that the Reader prints spot color correctly. One alternative is that the printing company can install the free OCAD Viewer and open and print the map in spot colors view. The colours can be different when printing from OCAD and from Adobe.

JL had done some tests. He made an A4 test sheet in which half of the sheet was a foot-O map and another half was sprint-O map. He exported the map file to PDF, EPS and AI. Then a very big printing company, Multiprint Oy, in Finland printed those. The overprint effect was achieved in every map. Without any settings to symbols or colours, the map printed from the PDF file was not good enough (broken lines, Moiré effect etc). The map printed from EPS was better than the PDF map, but not perfect. The maps printed from the AI file was the best. The AI file was very big, over 200 MB.

It was noticed that the test maps were very different. It will be very difficult to include guidelines in ISOM 201X on how to print a map with laser printed map that has (almost) the same quality as a spot colour offset printed map. The properties of the printers and papers are different, the different file formats give different colours and symbols, etc. Map printing is complicated.

TG:

- If the whole PDF standard (hundreds of pages) has not been implemented by the printer driver, the overprint effect may not be achievable.
- A printing company must invest quite a sum of money to provide the PrePress software (RIP) that is powerful enough to handle map files with transparent colours and overprint effect.
- One single transparent area causes OCAD to calculate the whole map area. The file will become much larger and printing could consequently be slow.
- The PDF file printed out from OCAD should be opened with Acrobat Reader. Then the map maker can see the transparent colours and overprint effect.
- There are different kind of transparency modes in OCAD.
- OCAD will promote a video about the options. There will be also some information about the item in OCAD Wiki.