

The ISOM revision project

ICOM 2016, Strömstad, Sweden

The ISOM legacy - Map specifications for orienteering

- (1962: European Championships (black, brown, blue); 1:25000; 10 m)
- 1969: black, brown, blue, **yellow**; 1:25000/1:20000(?); 5 m
- 1975: black, brown, blue, yellow, **green**; 1:20000/**1:15000**; 5 m (or free choice between 2 and 10 m); A, B (and C) symbols
- 1982: more greens (+ adjusted colours); 1:15000 (1:10000 exceptionally); 5 m (2.5 m exceptionally); A, B (and C) symbols; up to 20% variation allowed for line thickness

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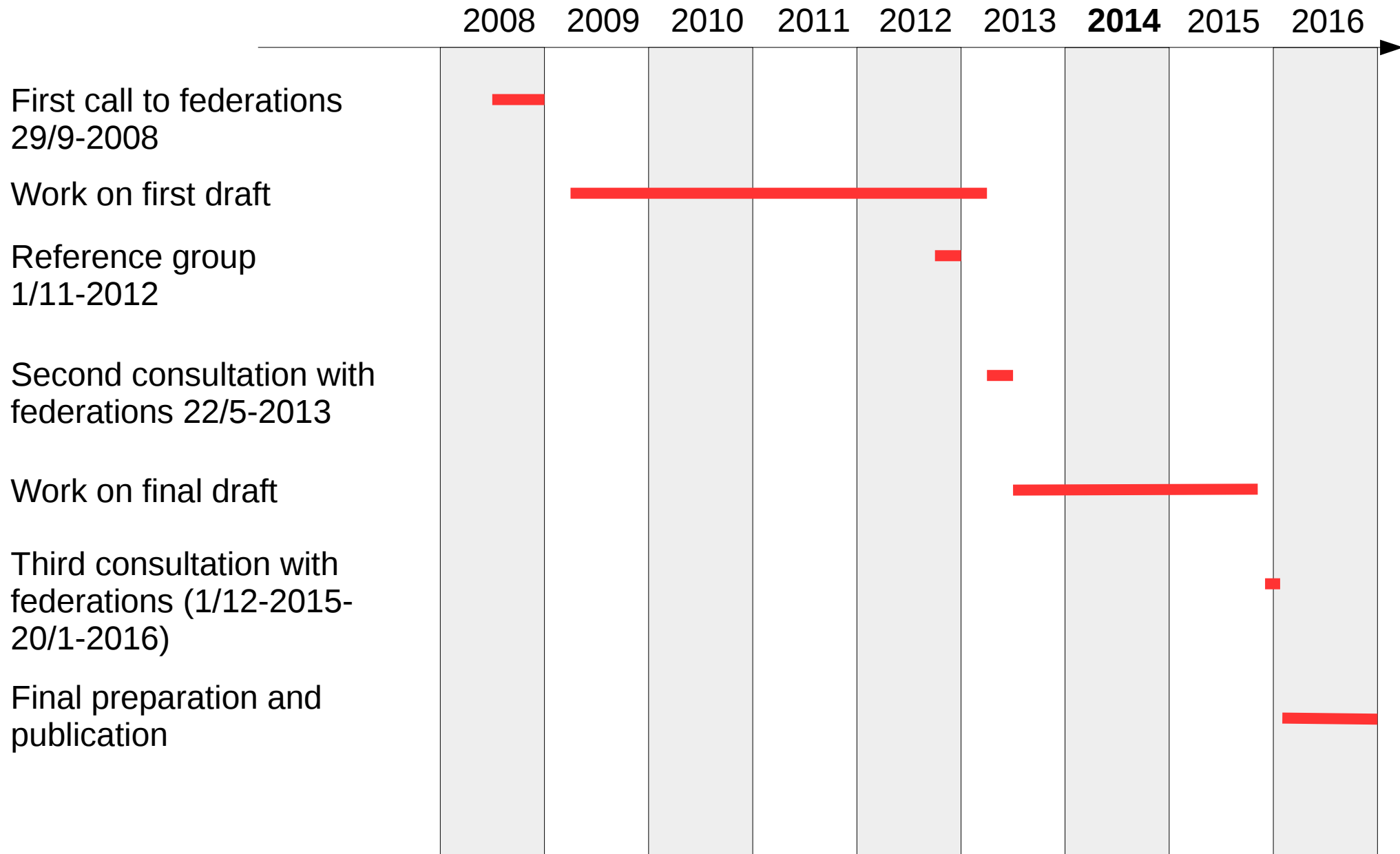
- 1990: Adjustments; 1:15000 (1:10000 exceptionally), 5 m (2.5 m exceptionally); up to 20% variation allowed for symbol dimensions
- 2000: Adjustments; 1:15000 (1:10000 enlargement), 5 m (2.5 m exceptionally), up to 5% variation allowed for symbol dimensions
- 201x: Adjustments; 1:15000 (1:10000 enlargement); 5 m (2.5 m exceptionally), ...

The ISOM is perfect, is it not?

So why is a revision needed?

- Alignment with the ISSOM
- Encourage generalisation
 - Modify some symbols, include symbol footprints
- Better support for alternative printing methods
- Responding to input on ISOM symbols
- Experiences from map evaluations (deviations, observed problems, symbol application, ...)
- Consistency issues
- "Undergrowth" symbols revisited

Project history and plan



So, has anything been done?

- Suggesting, discussing and testing symbols
 - Undergrowth, boulder field / stony ground, vegetation boundary, form lines, adjusting dotted lines, symbol sizes, ...
- Reading, structuring and discussing input from federations
- Investigations into colour printing and colour systems (SUI)
- Colour vision issues (input from AUS)
- Test prints (SUI)

Changes

- Simplification: Map scale 1:10000 strict enlargement of 1:15000 (exceptions removed)
Exceptions used to be:
 - magnetic north lines (spacing)
 - course overprint symbols
- Clarify minimum dimensions
- Minimum distance / white space / gaps / openings between symbols
- Include footprints of symbols
- Add precise graphical definitions for some symbols

Changes

- Alignment with ISSOM (symbols, symbol dimensions, impassable / passable, area with forbidden access, railway, added canopy, added impassable vegetation, dark grey alternative for huge building infill, ...)
- Minor adjustment of some symbol dimensions
- New semantics of a few symbols (pipeline -> prominent line feature)
- Tightening up definitions

Changes

- "Special feature" changed to "Prominent feature"
- Prominent features:
 - Add (brown triangle, blue square, black asterisk)
 - Reasons: Requests, change of semantics of green circle, removed symbol for grave
 - Remove (probably blue cross-x)
 - Reasons: No need for more than one prominent feature symbol for blue and green; avoid problems for colour deficient orienteers

IOF Map Specifications

- ISSkiOM: Revised 2014
- ISMTBOM: Revised 2010, under revision
 - Rideable areas (when riding off track is generally forbidden, ...)
- ISSOM: Revised 2007, will be revised in 2017
 - Align with new ISOM
 - Strengthen the requirements for visible passages through / between forbidden to cross features
 - Remove green 100%, keep green 100% + black 50%?
 - Reduce the width of the (passable) cliff symbol?

Questions?