

ISSOM 20XX draft – Rem Maps notes

Document written in March 2018 by
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[IOF Draft text to be found here](#)

General comment

ISSOM2007 worked well, so there's no need to completely change it. Some changes and some adjustment to be consistent with ISOM2017 are really needed and well received, but nothing more.

Forbidden

Given this shift of 'forbidden' from ISSOM to Rules it would be nice to add in ISSOM some words to make everybody aware that the list of forbidden symbols are stated in the Rules. (Basically nothing changes; ISSOM impassable wall stays in fact a forbidden wall).

(note> railway symbol in ISSOM draft has still the word forbidden)

Green/black colour

Green/black 0.4mm impassable hedge is to be kept. It was the pillar (together with black wall 0.4mm) of ISSOM2007.

We agree that green100% and green/black can be redundant. We think a better solution is to remove green100% (instead of removing green/black). The aim is always to give runners a clear picture of what is allowed and what is not: removing green100% leaves more difference between green60% (passable) and green/black (impassable).

If now green/black looks too dark just lower the percentage of black (from 50% to 40% for instance). But 'too dark' is not a problem in Sprint, it means impassable.

Brown colour

Double brown for traffic is not good for fairness (it is hard to be assessed by mapper and orienteering should not have route choices depending on traffic).

Brown is needed for something else:

20% brown for paths in white forest is too a light colour. Leave freedom to have darker brown (only one brown in each map – ok to remove double brown for urban/rural).



Brown 20%

(Brown 20% may seem ok to the video here, but it is not in the printed map)



Brown 45%

Contour 5m

In Italy we have a big problem with sprint maps in super interesting steep urban terrain (like Subiaco – World Cup 2005)

www.matstroeng.se/maps/show_map.php?user=mt&map=130.

These amazing areas, very suitable for sprint competition (for technical reasons and for beauty of the scenery), now are forbidden to IOF competition (impossible to be mapped with 2.5 m contour), unless you ask for an exception (in fact Subiaco 2005 was allowed to have a very weird 12.5 m contour map in the city center only).

It is time to allow 5m contour for steep terrain in ISSOM.

Black colour for houses

60% black for building is too dark in dense urban. Leave freedom to use lighter black (for Italy city centers like Rome black 50% is used a lot and it works well). This is really needed in Italian historical city centres. And also sparse building in open areas can be better seen in black 65% (like it used to be in old ISSOM).

Also perception of black colour for the competitor changes a lot in a very dark map or in a very sparse area (i.e. in an urban area the same black looks darker than in forest area), so it is not that important to keep a fixed value .



Black 60%



Black 50%

1:5000 scale

In some forest sprint terrain 1:5000 scale is better than 1:4000. It is not good to completely remove the 1:5000 possibility. And also A4 1:5000 is the perfect size for most of produced maps in the world nowadays. Clubs will keep on producing 1:5000 A4 size maps in the future because it is the perfect size/scale for most areas (and 1:4000 won't fit in a A4 size and everybody likes A4). It is a real pity that all those maps will stay outside of ISSOM specification. There is no backlash in keeping 1:5000 in ISSOM, it will be very clear to map-maker course-setter or advisor when 1:5000 is not suitable and go for 1:4000.

One option could be: there's only one ISSOM 1:4000 (as in ISOM with 1:15000), and enlargement to 1:3000 or reduction to 1:5000 is possible in very detailed or less detailed areas.

Grey stone wall

Keep grey stone wall. Printing will be better and better in the future, it is a pity to remove a symbol that works (except for printing problems) and to give more importance to the not perfect black stone wall symbol (black in Sprint = impassable, not perfect symbol for passable stone wall).

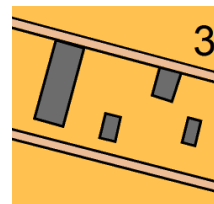
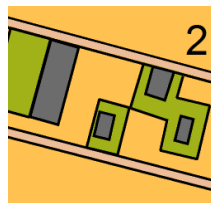
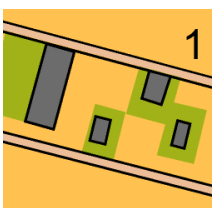
Delimitation of olivegreen

To add in ISSOM some words on the possibility of thin black line instead of fences/walls around olive green (in case of detailed map to improve readability) is needed. A lot of maps use this solution nowadays, it is time to add it in ISSOM instead of leaving it to the mapper.

A possible size for black line around olive green is 0.2 mm (better than the now proposed 0.1 mm, that is the size of pavement edge).

Olive green without delimitation to be banned in new ISSOM?

Olivegreen without delimitation is not a problem, it can be useful (no good to force a black delimitation when on terrain there's nothing i.e. grass around a private house or to force the mapper to map an area where no one is allowed to enter because very private, even without a fence). It is up to the course setter make courses that do not pass in those 'hard to be delimited' areas.



In case of no fences (grass around the houses) we think solution 1 somehow works. With the new proposals we can only use 2 or 3 and in our opinion it doesn't work.

On the other hand is VERY IMPORTANT that in the Rules we must add something like: if olivegreen is needed for navigation it must be taped.

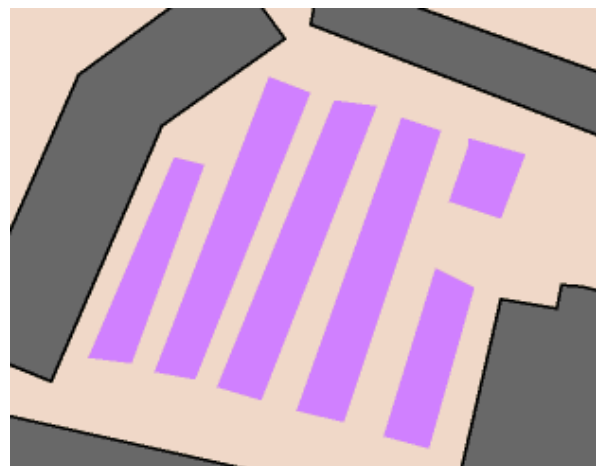
Small bridge

We really need a small bridge symbol in ISSOM (like **512 in ISOM**). Black dash (**512 in ISOM**) is not the perfect solution but it works well so we suggest to use it in ISSOM as well. Now there's no way to depict this features (see picture) in a Sprint map (512.1 Bridge is way a too big symbol) (By the way we don't agree on the enlargement of the bridge symbol 120% - it was already a very big symbol – usually not easy to find room for it in the maps). Even more now, with the enlargement of the bridge symbol, another small bridge symbol is needed.



Purple 50%

For fairness of competitions it would be great to add 'parked cars in a large square' to “714 Temporary construction or closed area”. As you see in the picture route choice in this area is heavily affected by parked cars. In this case the competitor from a map without purple thinks that it is possible to cut through the square; instead he/she has to add more than 50m to planned route (in Sprint it is a lot!)



Size of control circle

We have MIDDLE distance with 7.5mm circle, LONG distance with 5mm circle. Do we really want SPRINT distance with 6 mm circle? Three different sizes for different disciplines; this is a big change for competitors, until 2017 all disciplines had 6mm circles.

Thanks a lot for the attention, we think that for a good ISSOM there must be a joint effort between top runners and mappers (that's why we joined forces). And thanks a lot to all the Map Commission members for the hard work of compiling new rules. Writing such a small document we realized how hard it is to write an official paper.

Remo and Alessio