The IOF has released Revision 6 updates to both ISOM 2017-2 and ISSprOM 2019-2 – PDFs can be downloaded from the IOF mapping page here.

ISOM 2017-2

We have created a new BOF ISOM symbol set (v6.0). The symbol set revisions are detailed below:

Changes for ISSprOM 2017-2 Revision 6 January 2024:

104	Earth bank: Line increased to 0.25mm	
105.1	Earth wall: New symbol number	
105.2	**Retaining Earth wall: New map feature/symbol**	
203.1	Rocky pit or cave: New symbol number	
203.2	**Dangerous pit: New map feature/symbol**	
214	Bare Rock: Colour changed to Black 35%	
301	Uncrossable body of water: Outline changes to 0.12mm	
307	Uncrossable marsh: Outline changes to 0.12mm	
308	Marsh (Min size symbol): line 0.12mm	
513.2	Retaining wall: Dot moved by 0.5mm (draws on curves without gaps)	
715	Continuing point after map exchange: **New symbol** to be used in conjunction with the "Map Flip" symbol in control descriptions	

In the BOF 1:15000 symbol set, two symbols have minor differences from the IOF spec.

418   Prominent small tree or bush: The BOF version has a 0.24 mm rather than 0.2mm white dot - for better legibility - although it has the same outside diameter.

203.2   Dangerous pit: The BOF version has a 0.24 mm rather than 0.2mm white dot - for better legibility. Line thickness is maintained so the outside diameter increases from 0.90 to 0.94mm.

Colours have been edited so that the colour table order matches the IOF Printing Appendix.

CMYK values are intentionally different to the IOF Printing Appendix for Blues:

- Blue CMYK values are based on Pantone PMS 299 (the spot colour used for offset printing) rather than using just Cyan. This gives a greater contrast between blue features and other colours and is particularly beneficial for those with some colour blindness.

Darken Blend Mode overprint is ticked on for Purple and Brown 100%.

- For contours, this typically gives better contrast to areas of green forest and the result is similar to what you get with offset printing.
- For course overprints there is a significant benefit to using overprint mode if there are a lot of areas of green on the map.

Using Darken Blend Mode overprint is recommended particularly if using professional printers such as BML or H&L. To remove Darken Blend Mode overprint, open the colour table and un-tick the overprint column for Brown and Purple. It is recommended to always leave overprint ticked for Black.

Files are released in formats for OCAD 2018, OCAD 12, OCAD 11 and Open Orienteering Mapper (OOM).

Document and symbol sets compiled by Bruce Bryant for British Orienteering Map Advisory Group.
1st March 2024

ISSprOM 2019-2

We have created a new BOF ISSprOM symbol set (v6.0). The symbol set revisions are detailed below:

Changes for ISSprOM 2019-2 Revision 6 January 2024:

105.1	Small Earth wall: New symbol number)	
105.2	**Retaining Earth wall: New map feature/symbol**	
113	Broken Ground: Dots now only 0.3mm (using a BOF structure)	
207	Stony Ground: Dots now only 0.25mm (using a BOF structure)	
415	Distinct Cultivation Boundary: line width increased to 0.15mm	
509.2	Tramway: Revised symbol with thinner lines in Black	
533	**Area with obstacles: new map feature/symbol**	
709	Out of bounds area: Change of border line width to 0.4mm	
710.1	Crossing point: Revised symbol with increased size and line width	
715	Continuing point after map exchange: **New symbol** to be used in conjunction with the "Map Flip" symbol in control descriptions	

Only one symbol (418 Prominent small tree or bush) has any significant difference to the IOF spec. The BOF version has a 0.3mm rather than 0.2mm white dot - for better legibility - although it has a similar outside diameter.

Colours have been edited so that the colour table order matches the IOF Printing Appendix. Note that there are some duplicate colours to allow colours for certain symbols to be moved in the colour table however if you make no manual changes the order is as in the Printing Appendix document.

CMYK values are intentionally different to the IOF Printing Appendix for Blues and Browns:
- Blue CMYK values are based on Pantone PMS 299 (the spot colour used for offset printing) rather than using just Cyan. This gives a greater contrast between blue features and other colours and is particularly beneficial for those with some colour blindness.
- Brown CYMYK values are set to 40% and 20% rather than 50% and 30% (as named in the colour table). This is for better contrast relative to buildings and is aimed particularly at urban maps which typically have a high percentage of both buildings and road/paved areas.

Darken Blend Mode overprint is ticked on for Purple and Brown 100%.
- For contours, this typically gives better contrast to areas of green forest and the result is similar to what you get with offset printing.
- Contours over ISSprOM buildings generally print with much better quality (and legibility) using Darken Blend Mode overprint.
- For course overprints on ISSprOM (urban) maps there is a significant benefit to using overprint mode if there are a lot of buildings on the map.

Using Darken Blend Mode overprint is recommended particularly if using professional printers such as BML or H&L. To remove Darken Blend Mode overprint, open the colour table and un-tick the overprint column for Brown and Purple. It is recommended to always leave overprint ticked for Black.

Files are released in formats for OCAD 2018, OCAD 12, OCAD 11 and Open Orienteering Mapper (OOM).

Document and symbol sets compiled by Bruce Bryant for British Orienteering Map Advisory Group. 1st March 2024