

Proposal of changes in specification for MBO maps.

6.3 Scale and map size

“The size of map sheet must not exceed 300mm by 300mm.” Maximum map size is too strict, map legibility is more important than its size. We propose replace this sentence with sentence: “Map scale should compromise between map legibility and map format.”

6.6.1

Use of foot-o symbols

Rock and boulders

There is no restriction of moving out of tracks and paths in MBO rules (if the bike is borne), so all dangerous areas or barriers should be showed on the map. We suggest add this sentence: "The map must show all impassable cliffs and rock pillars."

To increase map legibility, all „rock and boulders“, except 212 Bare rock, should be at 80% of black.

Suggested changes (bold letters)

201 Impassable cliff

202 Rock pillars/cliffs,

206 Boulder – should be added, as specified at <http://lazarus.elte.hu/mc/isom/mbo/mbo.htm>

207 Large boulder – should be omitted and replaced with 206 as specified at <http://lazarus.elte.hu/mc/isom/mbo/mbo.htm>

208 Boulder field – should not be omitted, unlike it is specified at <http://lazarus.elte.hu/mc/isom/mbo/mbo.htm>

209 Boulder cluster - should be omitted, as specified at <http://lazarus.elte.hu/mc/isom/mbo/mbo.htm>

210 Stony ground - should be added, with the same specification like for foot-o (symbol 210 describes more different situation than 208)

211 Open sandy ground

212 Bare rock

Water and marsh

To increase map legibility, the border lines of 301 Lake, 304 Uncrossable river, 309 Uncrossable marsh should be at 80% of black.

Open land and vegetation

There is a little disharmony in definition and specification of symbols for open land and vegetation in ISOM and <http://lazarus.elte.hu/mc/isom/mbo/mbo.htm> too, as a result of using foot –o symbols without adjustment for MBO.

As ISOM for MBO describes, all vegetation should be graded on visibility - but in symbol specification runnability is the rule for it (401, 402, 405, 406).

So we suggest at least these changes:

405 Forest: good visibility

Typically open forest for the particular type of terrain.

Colour: white.

406 Forest: low visibility

An area with dense trees which reduces visibility. Colour: green 30% (60 lines/cm).
(The grade of visibility should be point of discussion)

We do not think that another grade of green is necessary, using of 408 Forest: very difficult to run, as it is proposed at <http://lazarus.elte.hu/mc/isom/mbo/mbo.htm>, cuts-down legibility of map.

Symbols 418, 419, 420 should be mapped when they are visible to the competitor

Note:

Symbol 403 Rough open land can be combined with symbols 407 and 409, those are not allowed for MBO.

Man-made features

Most of MBO competition takes place not in the wild nature, but in cultivated forests, so for better position possibility we suggest to add these symbols from foot-o: 538 - fodder rack, 536 - small tower, 532 - grave, they should be mapped when they are visible to the competitor.

Symbols 515, 516, 517, 518, 521, 524, 525, 526, 531, 534, 535, 539, 540 (538, 536, 532) and border lines of 529 should be at 80% of black.

We support changes in definition of 527 Settlement as specified at <http://lazarus.elte.hu/mc/isom/mbo/mbo.htm>

We support changes in specification of symbols 811-816 as specified at <http://lazarus.elte.hu/mc/isom/mbo/mbo.htm>:

811 line width 0.6mm

812 line width 0.4mm

813 line width 0.6mm, length 3.0mm, gap 0.8mm

814 line width 0.4mm, length 3.0mm, gap 0.7mm

815 line width 0.6mm, length 0.6mm, gap 0.5mm

816 line width 0.4mm, length 0.4mm, gap 0.4mm

Overprinting symbols

To increase safety of competitors it is necessary to add symbol 714 Dangerous objects across tracks or paths as specified at <http://lazarus.elte.hu/mc/isom/mbo/mbo.htm>

711 Forbidden route - We suggest to add this sentence: crosses are oriented to (or follow) the direction of forbidden route, so that they are all legible.

Czech MBO Committee, 26.7.2003