



## ORIENTEERING NSW

### COMPARISON OF MAPPING SPECIFICATIONS

#### PURPLE – NON-COURSE SYMBOLS

**Green** = symbol change, map needs to change. **Yellow** = symbol change, gets smaller. **Blue** = symbol change, gets bigger or more frequent.

**Pink** = ISOM 2017 and ISSprOM differ. **Red** = symbol different, fix when field checking map. **Olive green** = not sure about this change in symbol.

ISOM 2000	ISOM 2017-2 (Adjusted version published January 2019)	ISSOM 1 January 2007	ISSprOM 2019 (valid from 1 January 2020, with errata)
<p><b>707 Uncrossable boundary</b></p> <p>A boundary which it is not permitted to cross.</p> <p>Colour: purple. Line width: 0.7mm</p>	<p><b>708 Out-of-bounds boundary (L)</b></p> <p>A boundary which it is not permitted to cross. An out-of-bounds boundary shall not be crossed. Minimum length: 1 mm (footprint: 15 m).</p> <p>Colour: purple (under purple). Line width: 0.7mm</p>	<p><b>707 Uncrossable boundary (forbidden to cross)</b></p> <p>A boundary which it is not permitted to cross.</p> <p>Uncrossable boundaries shall be mapped by using the symbols: <i>impassable cliff</i> (201), <i>impassable body of water</i> (304.1), <i>impassable marsh</i> (309), <i>impassable wall</i> (521.1), <i>impassable fence or railing</i> (524) or <i>impassable pipeline</i> (534) and shall not be overprinted with symbol <i>uncrossable boundary</i> (707). This symbol is to be used only for last minute updates to the competition area, as excessive use of purple for indicating barriers is unfortunate. <b>It is forbidden to cross an uncrossable boundary!</b> <b>Competitors violating this rule will be disqualified.</b></p> <p>Colour: purple. Line width: 0.7mm</p>	<p><b>708 Out-of-bounds boundary (L)</b></p> <p>An out-of-bounds boundary shall not be crossed. It shall be used for temporary uncrossable boundaries used for the course setting.</p> <p>[OA Rule 17.2 says competitors shall not cross a feature drawn with an Out-of-bounds boundary symbol.]</p> <p>Colour: purple (lower purple). Line width: <b>1.0mm</b></p>

<p><b>709 Out-of-bounds area</b></p> <p>An out-of-bounds area, see also symbol 528, is shown with vertical stripes. A bounding line may be drawn if there is no natural boundary, as follows:</p> <ul style="list-style-type: none"> <li>- a solid line indicates that the boundary is marked continuously (tapes, etc.) on the ground,</li> <li>- a dashed line indicates intermittent marking on the ground,</li> <li>- no line indicates no marking on the ground.</li> </ul> <p>Colour: purple. Vertical line width: 0.25mm Distance between vertical lines: 0.6mm (CC) Solid boundary line width: 0.25mm Dashed boundary line width: 0.3mm</p>	<p><b>709 Out-of-bounds area (A)</b></p> <p>An out-of-bounds area.</p> <p>A bounding line may be drawn if there is no natural boundary, as follows:</p> <ul style="list-style-type: none"> <li>• A solid line indicates that the boundary is marked continuously (tapes, etc.) in the terrain.</li> <li>• A dashed line indicates intermittent marking in the terrain.</li> <li>• No line indicates no marking in the terrain.</li> </ul> <p>An out-of-bounds area shall not be entered. [OA Rule 17.2 says competitors shall not cross a feature drawn with an Out-of-bounds area symbol.] <b>Minimum area:</b> 2 mm x 2 mm (footprint 30 m x 30 m).</p> <p>Colour: purple (upper purple). <b>Cross-hatch</b> line width: 0.25mm Distance between cross-hatch lines: 0.8mm (CC) Angle of cross-hatch line: 45 degrees Boundary line width: 0.25mm Dashed line length: 3.0mm</p>	<p><b>709 Out-of-bounds area (forbidden to cross)</b></p> <p>An out-of-bounds area is shown with vertical stripes. A bounding line may be drawn if there is no natural boundary, as follows:</p> <ul style="list-style-type: none"> <li>- a solid line indicates that the boundary is marked continuously (tapes, etc.) on the ground,</li> <li>- a dashed line indicates intermittent marking on the ground,</li> <li>- no line indicates no marking on the ground.</li> </ul> <p>Out of bounds areas are mapped with the symbol <i>forbidden access</i> (528.1). This symbol shall only be used for last minute updates to the competition map (e.g. for areas that may be dangerous for the competitors during the competition, or very late changes to the competition terrain). <b>It is forbidden to cross an out-of-bounds area!</b> <b>Competitors violating this rule will be disqualified.</b></p> <p>Colour: purple. Vertical line width: 0.25mm Distance between vertical lines: 0.6mm (CC) Boundary line width: 0.25mm Dashed boundary line width: 0.25mm Length of dashes: 3.0mm</p>	<p><b>709 Out-of-bounds area (A)</b></p> <p>An out-of-bounds area.</p> <p>A bounding line may be drawn if there is no natural boundary as follows:</p> <ul style="list-style-type: none"> <li>• a solid line indicates that the boundary is marked continuously (tapes, etc.) in the terrain,</li> <li>• a dashed line indicates intermittent marking in the terrain,</li> <li>• no line indicates no marking in the terrain.</li> </ul> <p>An out-of-bounds area shall not be entered. [OA Rule 17.2 says competitors shall not cross a feature drawn with an Out-of-bounds area symbol.] <b>Minimum width:</b> 2 mm. <b>Minimum area:</b> 4 mm<sup>2</sup> (footprint 64 m<sup>2</sup>). Colour: purple (upper purple). <b>Cross-hatch</b> line width: 0.25mm Distance between cross-hatch lines: 0.8mm (CC) Angle of cross-hatch line: 45 degrees Boundary line width: 0.25mm Dashed line length: 3.0mm</p>
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Gap between dashes in boundary line: 0.5m	Gap between dashes in boundary line: 0.5m	Gap between dashes in boundary line: 0.5m	Gap between dashes in boundary line: 0.5m
<b>710 Dangerous area</b> An area presenting danger to the competitor is shown with cross-hatched diagonal lines. Colour: purple. Cross-hatch line width: 0.25mm Distance between cross-hatch lines: 0.6mm (CC)	No symbol.	No symbol.	No symbol.
<b>708 Crossing point</b> A crossing point through or over a wall or fence, or across a road or railway or through a tunnel or an out-of-bounds area is drawn on the map with two lines curving outwards.  Colour: purple. Line width: 0.35mm Distance between ends of brackets: 3.0mm Min distance between brackets: 0.6mm (IM)	<b>710 Crossing point (P)</b> A crossing point, for instance through or over a wall or fence, across a road or railway, through a tunnel or out-of-bounds area, or over an uncrossable boundary is drawn on the map with two lines curving outwards. The lines shall reflect the length of the crossing.  Colour: purple (lower purple). <b>Line width: 0.35mm?</b> Distance between ends of brackets: 3.0mm Min distance between brackets: 0.6mm (IM)	<b>708 Crossing point</b> A crossing point through or over a wall or fence, or across a road or railway or through a tunnel or an out-of-bounds area is drawn on the map with two lines curving outwards.  If underpasses or tunnels etc. are to be used in a competition, they shall be emphasized with symbol <i>crossing point</i> (708) or <i>crossing section</i> (708.1).  Colour: purple. Line width: 0.35mm Distance between ends of brackets: 3.0mm Min distance between brackets: 0.9mm [CC?]	<b>710.1 Crossing point (P)</b> A crossing point through or over a wall or fence, or across a road or railway or through a tunnel or an out-of-bounds area is drawn on the map with two lines curving outwards.  <b>If underpasses or tunnels etc. are to be used in a competition, they shall be emphasized with symbol <i>Crossing point</i> (710.1) or <i>Crossing section</i> (710.2). [This sentence is in red text in ISSprOM.]</b> Colour: purple (lower purple). Line width: 0.35mm Distance between ends of brackets: 3.0mm (OM) Min distance between brackets: <b>1.0mm</b> (IM) <b>[The Out-of-bounds boundary in the drawing for 710.1 has a width of 0.7, rather than 1.0.]</b>

<p>No symbol</p>	<p>No symbol</p>	<p><b>708.1 Crossing section</b>  A crossing section through or over a building, wall or fence, or across a road or railway or through a tunnel or an out-of-bounds area is drawn on the map as a linear object, according to the plan shape.  If underpasses or tunnels etc. are to be used in a competition, they shall be emphasized with symbol <i>crossing point</i> (708) or <i>crossing section</i> (708.1).  3  Colour: purple.  Line width: 0.35mm  Length of flair: 1.5mm</p>	<p><b>710.2 Crossing section (L)</b>  A crossing section through or over a building, wall or fence, or across a road or railway or through a tunnel or an out-of-bounds area is drawn on the map as a linear object, according to the plan shape.  If underpasses or tunnels etc. are to be used in a competition, they shall be emphasized with symbol <i>Crossing point</i> (710.1) or <i>Crossing section</i> (710.2). [This sentence is in red text in ISSprOM.]  Colour: purple (upper purple).  Line width: 0.35mm  Length of flair: 1.5mm</p>
<p><b>711 Forbidden route</b>  A route which is out-of-bounds is shown with crosses.   Colour: purple.  Width of lines in X: 0.35mm  Length of lines in X: 3.0mm</p>	<p><b>711 Out-of-bounds route (L)</b>  A route which is out-of-bounds.   Competitors are allowed to cross directly over a forbidden route, but it is forbidden to go along it.  An out-of-bounds route shall not be used. [OA Rule 17.2 says competitors shall not follow a feature drawn with Out-of-bounds route symbols.]<sup>33</sup>  Minimum length: 2 symbols (6 mm – footprint 90 m).  Colour: purple (upper purple).  Width of lines in X: 0.35mm  Length of lines in X: 3.0mm  Gap between X's: 4.0-6.0mm (CC)</p>	<p>No symbol</p>	<p>No symbol</p>
<p><b>712 First aid post</b>  The location of a first aid post.  Colour: purple.  Width of lines in cross: 1.0mm  Length of lines in cross: 3.0mm</p>	<p><b>712 First aid post (P)</b>  The location of a first aid post.  Colour: purple (lower purple).  Width of lines in cross: 1.33mm  Length of lines in cross: 4.0mm</p>	<p><b>712 First aid post</b>  The location of a first aid post.  Colour: purple.  Width of lines in cross: 1.0mm  Length of lines in cross: 3.0mm</p>	<p>No symbol</p>

<p><b>713 Refreshment point</b> The location of a refreshment point which is not at a control. Colour: purple. Line width: 0.35mm Height of cup: 3.0mm (OM) Width of top of cup: 3.0mm (OM)</p>	<p><b>713 Refreshment point (P)</b> The location of a refreshment point which is not at a control. Colour: purple (lower purple). Line width: 0.4mm Height of cup: 3.5mm (OM) Width of top of cup: 3.5mm (OM) Width of bottom of cup: 2.1mm (OM)</p>	<p><b>713 Refreshment point</b> The location of a refreshment point which is not at a control or along the marked route. Colour: purple. Line width: 0.35mm Height of cup: 3.7mm North south max distance between lips of cup: 1.1mm Width of top of cup: 3.05mm</p>	<p>No symbol</p>
<p>No symbol</p>	<p>No symbol</p>	<p><b>714 Temporary construction or closed area (forbidden to cross)</b> Obvious temporary constructions like platforms for spectators and speaker, closed area for spectators, outside restaurant areas, etc. shall be represented in plan shape. <b>It is forbidden to enter a temporary construction or closed area!</b> <b>Competitors violating this rule will be disqualified.</b> Colour: purple 50%.</p>	<p><b>714 Temporary construction or closed area (A)</b> Obvious temporary constructions like platforms for spectators and speaker, closed area for spectators, outside restaurant areas, etc. shall be represented in plan shape. Minimum width: 0.5 mm. Minimum area: 0.25 mm<sup>2</sup> (footprint 4 m<sup>2</sup>). Colour: purple (outline), purple 50% (upper purple). Outline width: 0.1mm</p>