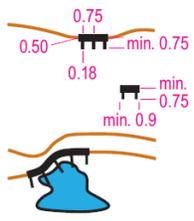
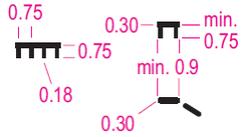
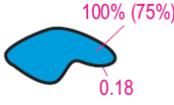
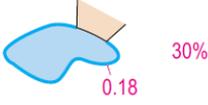
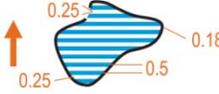
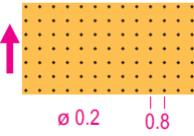
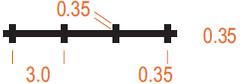
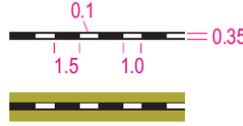
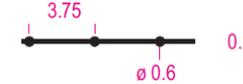
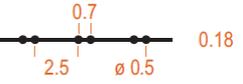
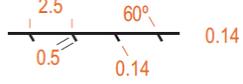
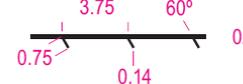


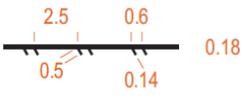
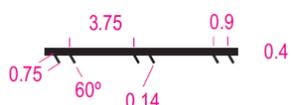
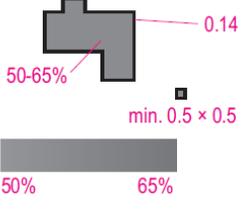
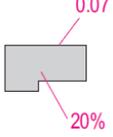
ISOM & ISSOM forbidden symbol comparison

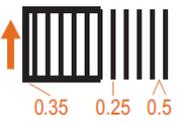
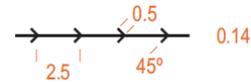
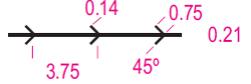
Forbidden symbols and their relatives

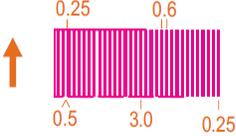
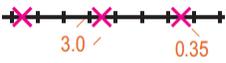
Symbol	ISOM 2000 (Long, Middle)	ISSOM 2007 (Sprint)
<p>ISOM</p>  <p>ISSOM</p> 	<p>201 Impassable cliff</p> <p>An impassable cliff, quarry or earth bank (see 106) is shown with a 0.35 mm line and downward tags showing its full extent from the top line to the foot. For vertical rock faces the tags may be omitted if space is short, e.g. narrow passages between cliffs (the passage should be drawn with a width of at least 0.3 mm). The tags may extend over an area symbol representing detail immediately below the rock face. When a rock face drops straight into water making it impossible to pass under the cliff along the water's edge, the bank line is omitted or the tags should clearly extend over the bank line.</p> <p><NOTE: no minimum height specified></p>	<p>201 Impassable cliff Forbidden to cross</p> <p>An impassable cliff, quarry or earth bank (see symbol 106 <i>earth bank</i>). Tags are drawn downwards, showing its full extent from the top line to the foot. For vertical rock faces the tags may be omitted if space is short, e.g. narrow passages between cliffs (the passage should be drawn with a width of at least 0.3 mm). The tags may extend over an area symbol representing detail immediately below the rock face. When a rock face drops straight into water making it impossible to pass under the cliff along the water's edge, the bank line is omitted or the tags shall clearly extend over the bank line. Minimum height is 2 meters.</p>
<p>ISOM</p>  <p>ISSOM</p> 	<p>203 Passable rock face</p> <p>Similar to ISSOM definition. (no min height?)</p>	<p>203 Passable rock face</p> <p>A small vertical rock face may be shown without tags. If the direction of fall of the rock face is not apparent from the contours or to improve legibility, short tags should be drawn in the direction of the fall. Minimum height is 1 m. For passable rock faces shown without tags the end of the line may be rounded to improve legibility.</p>
<p>ISOM</p> 	<p>301 Lake</p> <p>Large areas of water are shown with dot screen. Small areas of water should be shown with full colour. A black bank line indicates that the feature cannot be crossed.</p>	<p>301 – does not exist in ISSOM</p>
<p>ISOM</p> 	<p>304 Uncrossable river</p> <p>An uncrossable river or canal is drawn with black bank lines. The bank lines are broken at a ford.</p>	<p>304 – does not exist in ISSOM</p>

Symbol	ISOM 2000 (Long, Middle)	ISSOM 2007 (Sprint)
ISSOM 	304.1 – does not exist in ISOM	304.1 Impassable body of water Forbidden to cross An area of deep water such as a lake, pond, river or fountain which may constitute a danger to the competitor or has forbidden access. The dark blue colour and the bordering black line indicate that the feature cannot or shall not be crossed.
ISSOM 	305.1 – does not exist in ISOM	305.1 Passable body of water An area of shallow water such as a pond, river or fountain that can be crossed. The body of water shall be less than 0.5m deep and runnable. If the body of water is not runnable it shall be represented with the symbol (304.1). If no other line symbol touches the border of the passable body of water, the border shall be represented with a blue line.
ISOM & ISSOM 	309 Uncrossable marsh A marsh which is uncrossable or dangerous for the runner. A black line surrounds the symbol.	309 Impassable marsh Forbidden to cross A marsh which is impassable or which may constitute a danger to the competitor. The feature cannot or shall not be crossed.
ISOM & ISSOM 	310 Marsh A crossable marsh, usually with a distinct edge. The symbol shall be combined with vegetation symbols to show runnability and openness.	310 Marsh Same as ISOM
ISOM & ISSOM 	415 Cultivated land Cultivated land which is <i>seasonally out-of-bounds</i> due to growing crops may be shown with a black dot screen.	415 Cultivated land Same as ISOM
ISSOM 	421 – does not exist in ISOM	421 Impassable vegetation Forbidden to cross An area of dense vegetation (trees or undergrowth) which is impassable or which shall not be crossed, due to forbidden access or because it may constitute a danger to the competitor.

Symbol	ISOM 2000 (Long, Middle)	ISSOM 2007 (Sprint)
<p>ISOM</p>  <p>ISSOM</p> 	<p>515 Railway</p> <p>A railway or other kind of railed track (tramway, truck way, etc.).</p> <p>Note: In ISSOM there are two symbols: 515.1 Railway (which can be forbidden if on an olive background) and 515.2 Tramway.</p>	<p>515.1 Railway</p> <p>A railway is a permanent track laid with rails on which locomotives, carriages or wagons can travel. If it is forbidden to cross or run along the railroad, the forbidden area around the railway shall be represented with symbol <i>area with forbidden access</i> (528.1)</p>
<p>ISOM</p>  <p>ISSOM</p> 	<p>519 Stone wall</p> <p>A stone wall or stone-faced bank.</p>	<p>519 Passable stone wall</p> <p>A stone wall or stone faced bank. This symbol shall be used only in non-urban areas. If such a wall is higher than 2 m, it shall be represented with the symbol <i>impassable wall</i> (521.1).</p>
<p>ISSOM</p> 	<p>519.1 – does not exist in ISOM</p>	<p>519.1 Passable wall</p> <p>A passable wall or retaining wall is a construction made of stone, brick, concrete etc., which can be passed. This symbol is suitable for urban areas. If such a wall is higher than 2 m, it shall be represented with the symbol (521.1). Wide walls shall be drawn in plan shape.</p>
<p>ISOM</p>  <p>ISSOM</p> 	<p>521 High stone wall</p> <p>A stone wall higher than ca 1.5 m, not crossable to the average orienteer.</p>	<p>521.1 Impassable wall Forbidden to pink</p> <p>An impassable wall or retaining wall is a wall, which fulfil the function of an enclosure or solid barrier. It shall not be crossed, due to forbidden access or because it may constitute a danger to the competitor due to its height. Very wide impassable walls shall be drawn in plan shape and represented with the symbol <i>building</i> (526.1)</p>
<p>ISOM</p>  <p>ISSOM</p> 	<p>522 Fence</p> <p>A wooden or wire fence less than ca. 1.5m high.</p>	<p>522 Passable fence or railing</p> <p>A passable fence is a barrier enclosing or bordering a field, yard, etc., usually made of posts and wire or wood. It is used to prevent entrance or to confine or mark a boundary. A railing is a fencelike barrier composed of one or more horizontal rails supported by widely spaced upright poles, usually it can be slipped through. If a fence or railing is higher than 2m or very difficult to cross, it shall be represented with the symbol <i>impassable fence or railing</i> (524).</p>

Symbol	ISOM 2000 (Long, Middle)	ISSOM 2007 (Sprint)
<p>ISOM</p>  <p>ISSOM</p> 	<p>524 High fence</p> <p>A boarded or wire fence higher than ca 1.5 m, not crossable to the average orienteer, e.g. deer fence.</p>	<p>524 Impassable fence or railing Forbidden to cross</p> <p>An impassable fence or railing, which shall not be crossed, due to forbidden access or because it may constitute a danger to the competitor because of its height.</p>
<p>ISOM</p> 	<p>526 Building</p> <p>A building is shown with its ground plan so far as the scale permits. <Note: not forbidden to run through or over the building, unlike ISSOM></p>	<p>526 – does not exist in ISSOM</p>
<p>ISSOM</p> 	<p>526.1 – does not exist in ISOM</p>	<p>526.1 Building Forbidden to pass through or over</p> <p>A building is a relatively permanent construction having a roof. Buildings within symbol area with forbidden access (528.1) may just be represented in a simplified manner. Areas totally contained within a building shall be mapped as being a part of the building. The minimum gap between buildings and between buildings and other impassable features shall be 0.40 mm. The black screen percentage should be chosen according to the terrain. A dark screen gives a better contrast to passable areas, such as streets, stairways and canopies, while a light screen makes contours and course overprint more clearly visible (which can be important in very densely built up urban terrain and in steep urban terrain). The black screen shall be the same for the whole map.</p>
<p>ISOM</p> 	<p>526.2 – does not exist in ISOM</p>	<p>526.2 Canopy</p> <p>A canopy is a building construction (with a roof), normally supported by pillars, poles or walls, such as passages, gangways, courts, bus stops, gas stations or garages. Small passable parts of buildings which cannot easily be crossed by competitors shall not be represented on the map and shall be closed during the competition.</p>

Symbol	ISOM 2000 (Long, Middle)	ISSOM 2007 (Sprint)
<p>ISOM (This example is incorrectly drawn as all yellow in the ISOM manual. It should be olive green as ISSOM 528.1)</p> 	<p>527 Settlement</p> <p>Houses and gardens and other built up areas. Roads, buildings and other significant features within a settlement must be shown. If all buildings cannot be shown, an alternative symbol (black line screen) may be used.</p>	<p>527 – does not exist in ISSOM</p> <p>However, this is similar to ISSOM 528.1</p>
<p>ISOM</p> 	<p>528 Permanently out of bounds</p> <p>Areas which are permanently forbidden to the runner are shown as out of bounds. The screen is superimposed on the normal map detail. A bounding line may be drawn if there is no natural boundary (see 709).</p>	
<p>ISSOM</p> 	<p>528.1 – does not exist in ISOM</p> <p><i>However this is similar to ISOM 527</i></p>	<p>528.1 Area with forbidden access Forbidden to cross</p> <p>An area with forbidden access such as a private area, a flower bed, a railway area etc. No feature shall be represented in this area, except very prominent features such as railways, large buildings, or very large trees. Road entrances shall be represented clearly.</p> <p>Areas with forbidden access totally contained within buildings shall be mapped as being a part of the building.</p>
<p>ISOM</p>  <p>ISSOM</p> 	<p>533 Crossable pipeline</p> <p>Same as ISSOM 533.</p>	<p>533 Passable pipeline</p> <p>A pipeline (gas, water, oil, etc.) above ground level which can be crossed over or under.</p>
<p>ISOM</p>  <p>ISSOM</p> 	<p>534 Uncrossable pipeline</p> <p>A pipeline which cannot be crossed.</p>	<p>534 Impassable pipeline Forbidden to cross</p> <p>An impassable pipeline (gas, water, oil, etc.) above ground level which shall not be crossed, due to forbidden access or because it may constitute a danger to the competitor because of its height.</p>

Symbol	ISOM 2000 (Long, Middle)	ISSOM 2007 (Sprint)
<p>ISOM & ISSOM</p> 	<p>707 Uncrossable boundary</p> <p>A boundary which it is not permitted to cross.</p> <p><Note – here, unlike in the rest of ISOM, “Uncrossable” is meant as “not permitted”></p>	<p>707 Uncrossable boundary Forbidden to cross</p> <p>A boundary which it is not permitted to cross. Uncrossable boundaries shall be mapped by using the symbols: impassable cliff (201), impassable body of water (304.1), impassable marsh (309), impassable wall (521.1), impassable fence or railing (524) or impassable pipeline (534) and shall not be overprinted with symbol uncrossable boundary (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.</p>
<p>ISOM</p>  <p>ISSOM</p> 	<p>709 Out-of-bounds area</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"> - a solid line indicates that the boundary is marked continuously (tapes, etc.) on the ground, - a dashed line indicates intermittent marking on the ground, - no line indicates no marking on the ground. 	<p>709 Out-of-bounds area Forbidden to cross</p> <p>Out of bounds areas are mapped with the symbol (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). 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"> - a solid line indicates that the boundary is marked continuously (tapes, etc.) on the ground, - a dashed line indicates intermittent marking on the ground, - no line indicates no marking on the ground.
<p>ISOM</p> 	<p>710 Dangerous area</p> <p>An area presenting danger to the competitor is shown with cross-hatched diagonal lines.</p> <p><NOTE: Use 709 instead?></p>	<p>710 – does not exist in ISSOM</p>
<p>ISOM</p> 	<p>711 Forbidden route</p> <p>A route which is out-of-bounds is shown with crosses.</p>	<p>711 – does not exist in ISSOM</p>

Symbol	ISOM 2000 (Long, Middle)	ISSOM 2007 (Sprint)
<p>ISSOM</p> 	<p>714 – does not exist in ISOM</p>	<p>714 Temporary construction or closed area Forbidden to cross</p> <p>Obvious temporary constructions like platforms for spectators and speaker, closed area for spectators, outside restaurant areas, etc. shall be represented in plan shape.</p>