Ekaterinburg, Russia
September 22-29, 2018

Reference materials

Mine Rescue Relay Race
MINE RESCUE RELAY RACE

Track Scheme

LEGEND

A - Starting position (line)
B - Leg boundary (line)
C - Handoff zone
D - Finish line
1 - Checkpoints

All dimensions specified in meters
LEG 1, CHECKPOINT 1
Gymnastic device “Wooden prop” layout

Weight (approximately): 30 kg

All dimensions specified in millimeters
LEG 1, CHECKPOINT 2
Gymnastic device “Balance beam” layout

All dimensions specified in millimeters

<table>
<thead>
<tr>
<th>Specific equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire extinguisher</td>
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<tr>
<td>Fire extinguisher rack</td>
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</tbody>
</table>
LEG 2, CHECKPOINT 3
Specific equipment layout

<table>
<thead>
<tr>
<th>3-way fire hose junction RT-70</th>
<th>Fire hose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handheld fire nozzle URSK-70-15</td>
<td></td>
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</tbody>
</table>
LEG 2, CHECKPOINT 4
Gymnastic device “Horizontal bar” layout

Horizontal bar 1:
Height – 2400 mm
Width 1560 mm

Pull-up method
LEG 2, CHECKPOINT 5

Wooden beam and retainer layout

9 – sawing line

All dimensions specified in millimeters

<table>
<thead>
<tr>
<th>Specific equipment</th>
<th></th>
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<tbody>
<tr>
<td>Pocket saw</td>
<td>Handsaw</td>
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</table>
**LEG 3, CHECKPOINT 6**

*Donning a breathing apparatus*

<table>
<thead>
<tr>
<th>Specific equipment</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Breathing apparatus</td>
<td></td>
</tr>
<tr>
<td>Dezega P-30EX</td>
<td></td>
</tr>
<tr>
<td>Breathing apparatus</td>
<td></td>
</tr>
<tr>
<td>Drager PSS BG 4 RP Plus</td>
<td></td>
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</table>
LEG 3, CHECKPOINTS 7, 8
Confined space imitation unit (terrenkur) layout

Terrenkur:
Length – 15 000 mm
Cross section 800 x 640 mm

<table>
<thead>
<tr>
<th>Specific equipment</th>
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<tbody>
<tr>
<td>Manual hydraulic cutter KGL-63 “Prostor”</td>
</tr>
</tbody>
</table>

12 mm
LEG 4, CHECKPOINT 9
Truck tire layout

Weight: 120 kg
Diameter – 1200 mm
Width 400 mm
LEG 4, CHECKPOINT 10
Vertical obstacle (barrier) layout

All dimensions specified in millimeters

Weight of sandbag: 50 kg x 3 bags
LEG 5, CHECKPOINT 11
Full body manikin layout

Weight of the manikin: 60 kg

<table>
<thead>
<tr>
<th>Specific equipment</th>
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<tbody>
<tr>
<td>Spine board</td>
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</table>