THE STATE AND INTENSITY OF THE MINE PROBLEM IN COLOMBIA

TOPICS
1. Background
2. Types of IEDs and Mines
3. Level of impact
4. Conclusions and Recommendations
BACKGROUND

Capital city: Bogotá

Population: 49´164.856 inh
43,06 inh/km²

Geographical position: South America (North West)

Extension: 1,141,748 km²

Administrative organization:

32 departments
1102 municipalities
01 Capital district (Bogotá)
TYPES OF IEDs AND MINES

<table>
<thead>
<tr>
<th>VICTIM ACTIVATED IMPROVED EXPLOSIVE DEVICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE</td>
</tr>
<tr>
<td>FABRICATION</td>
</tr>
<tr>
<td>ACTIVATION SYSTEM</td>
</tr>
<tr>
<td>CONTAINER</td>
</tr>
<tr>
<td>DIMENSIONS</td>
</tr>
<tr>
<td>FIRING SYSTEM</td>
</tr>
<tr>
<td>DETONATING SYSTEM</td>
</tr>
<tr>
<td>SOURCE OF POWER</td>
</tr>
<tr>
<td>EXPLOSIVE</td>
</tr>
<tr>
<td>AMOUNT</td>
</tr>
<tr>
<td>Installation Method</td>
</tr>
<tr>
<td>USE</td>
</tr>
<tr>
<td>FOUND IN</td>
</tr>
<tr>
<td>RESPONSIBLE</td>
</tr>
</tbody>
</table>
## TYPES OF IEDs AND MINES

VICTIM ACTIVATED IMPROVISED EXPLOSIVE DEVICE

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Antipersonnel Mine</th>
</tr>
</thead>
<tbody>
<tr>
<td>FABRICATION</td>
<td>Improvised</td>
</tr>
<tr>
<td>ACTIVATION SYSTEM</td>
<td>Tension</td>
</tr>
<tr>
<td>CONTAINER</td>
<td>Granade IM - 26 steel/ 1200 fragments</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>10.3 cm x 5 cm diameter</td>
</tr>
<tr>
<td>FIRING SYSTEM</td>
<td>Tripwire</td>
</tr>
<tr>
<td>DETONATING SYSTEM</td>
<td>Electric detonator inside metallic case</td>
</tr>
<tr>
<td>SOURCE OF POWER</td>
<td>90 12 v battery</td>
</tr>
<tr>
<td>EXPLOSIVE</td>
<td>Pentolite</td>
</tr>
<tr>
<td>AMOUNT</td>
<td>440 g</td>
</tr>
<tr>
<td>INSTALATION METHOD</td>
<td>Roots of tress and water sources</td>
</tr>
<tr>
<td>USE</td>
<td>Mobile patrols.</td>
</tr>
<tr>
<td>FOUND IN</td>
<td>Arauca, Boyacá and Meta</td>
</tr>
<tr>
<td>RESPONSIBLE</td>
<td>GAO Farc and Eln</td>
</tr>
</tbody>
</table>
### TYPES OF IEDs AND MINES

#### IMPROVISED EXPLOSIVE DEVICE

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Antipersonnel Mine</th>
</tr>
</thead>
<tbody>
<tr>
<td>FABRICATION</td>
<td>Improvised</td>
</tr>
<tr>
<td>ACTIVATION SYSTEM</td>
<td>Radio frequency</td>
</tr>
<tr>
<td>CONTAINER</td>
<td>Metallic</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>5.7 cm x 18.12 cm</td>
</tr>
<tr>
<td>FIRING SYSTEM</td>
<td>Mobile phone</td>
</tr>
<tr>
<td>DETONATING SYSTEM</td>
<td>Electric Detonator</td>
</tr>
<tr>
<td>SOURCE OF POWER</td>
<td>Electric</td>
</tr>
<tr>
<td>EXPLOSIVE</td>
<td>Amonium nitrate-based explosive / TNT / Black powder</td>
</tr>
<tr>
<td></td>
<td>Metallic shrapnel</td>
</tr>
<tr>
<td>AMOUNT</td>
<td>25 lbs up</td>
</tr>
<tr>
<td>INSTALATION METHOD</td>
<td>Water sources, roads and paths</td>
</tr>
<tr>
<td>USE</td>
<td>Against mobile patrols</td>
</tr>
<tr>
<td>FOUND IN</td>
<td>Antioquia, Chocó and Córdoba</td>
</tr>
<tr>
<td>RESPONSIBLE</td>
<td>GAO FARC and ELN</td>
</tr>
</tbody>
</table>
**TYPES OF IEDs AND MINES**

<table>
<thead>
<tr>
<th>MULTI PURPOSE IMPROVISED EXPLOSIVE DEVICE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TYPE</strong></td>
<td>Antipersonnel Mine / Hand Grenade / Launch device IED</td>
</tr>
<tr>
<td><strong>FABRICATION</strong></td>
<td>Improvised</td>
</tr>
<tr>
<td><strong>ACTIVATION SYSTEM</strong></td>
<td>Relay</td>
</tr>
<tr>
<td><strong>CONTAINER</strong></td>
<td>Common pipe for domestic water supply</td>
</tr>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>20 cm x 60.32 mm</td>
</tr>
<tr>
<td><strong>FIRING SYSTEM</strong></td>
<td>Det cord</td>
</tr>
<tr>
<td><strong>DETONATING SYSTEM</strong></td>
<td>Electric Detonator</td>
</tr>
<tr>
<td><strong>SOURCE OF POWER</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>EXPLOSIVE</strong></td>
<td>Amonium nitrate-based explosive / Pentolite / TNT</td>
</tr>
<tr>
<td><strong>AMOUNT</strong></td>
<td>1.2 kg</td>
</tr>
<tr>
<td><strong>INSTALLATION METHOD</strong></td>
<td>Launching device</td>
</tr>
<tr>
<td><strong>USE</strong></td>
<td>Against mobile patrols</td>
</tr>
<tr>
<td><strong>FOUND IN</strong></td>
<td>Vichada, Guainia, Arauca, Guaviare</td>
</tr>
<tr>
<td><strong>RESPONSIBLE</strong></td>
<td>GAO FARC and ELN</td>
</tr>
</tbody>
</table>
LEVEL OF IMPACT OF IEDs AND MINES

- Critical Infrastructure
- Territory
- Communities
- Governance

IEDs and Mines

NATIONAL CENTER AGAINST IED AND MINES - CENAM
LEVEL OF IMPACT OF IEDs AND MINES

MOST AFFECTED AREAS

<table>
<thead>
<tr>
<th>DEPARTMENT</th>
<th>MUNICIPALITIES</th>
<th>VICTIMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTIOQUIA</td>
<td>81</td>
<td>2525</td>
</tr>
<tr>
<td>META</td>
<td>21</td>
<td>1134</td>
</tr>
<tr>
<td>CAQUETÁ</td>
<td>15</td>
<td>935</td>
</tr>
<tr>
<td>NARIÑO</td>
<td>29</td>
<td>858</td>
</tr>
<tr>
<td>NORTE DE SANTANDER</td>
<td>22</td>
<td>803</td>
</tr>
<tr>
<td>ARAUCA</td>
<td>7</td>
<td>631</td>
</tr>
<tr>
<td>BOLIVAR</td>
<td>29</td>
<td>613</td>
</tr>
<tr>
<td>CAUCA</td>
<td>32</td>
<td>591</td>
</tr>
<tr>
<td>TOLIMA</td>
<td>25</td>
<td>542</td>
</tr>
<tr>
<td>PUTUMAYO</td>
<td>10</td>
<td>434</td>
</tr>
</tbody>
</table>

IMPACT

HIGH: Municipalities with events during the last 5 years and have a high humanitarian impact.

MEDIUM: Municipalities with no events during the last 5 years and recorded victims before 2011.

LOW: Municipalities with no recorded victims but have a record of events (military demining during operations, hideaways, etc)

NO IMPACT: No recorded events
CONCLUSIONS AND RECOMMENDATIONS

- Preventive approach.
- Inclusive and differential Mine Risk Education strategies.
- Unique problem - unique solution.
- Institutions and agencies for strong decision-making processes.
- Victims Assistance protocol that includes all national agencies/private organizations in response to victims needs and inclusion policies.
- National Mine Action policy in coordination with other national policies for development, stabilization and consolidation of areas.
- New methods for prioritization, task assignment, Pilot Projects and register.