Fleet Forum Armoured Vehicle Workshop
United Nations Surface Transport Section

Armoured Toyota 4x4s in Transit
Between UNIFIL, Lebanon & Syria
United Nations Peacekeeping Missions Have, Since the First Missions, Made Use of Military Vehicles of UN Member States

Damaged UN Military Contingent Armoured Vehicle in UNEF, Sinai
But Most UN Peace Operations Used Relatively Few Civilian Armoured Vehicles Until Only a Few Years Ago
Changing Threats and Threat Levels Have Pushed the UN-Owned Armoured Fleet to Grow to 1,000 + Units
# Protection Level Table

<table>
<thead>
<tr>
<th>TYPE</th>
<th>CLASS</th>
<th>WEAPON / AMMUNITION</th>
<th>RANGE</th>
<th>VELOCITY</th>
<th>SHOTS</th>
<th>SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Light Armoured Vehicles</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B2</td>
<td>9mm</td>
<td></td>
<td>5</td>
<td>358m/s</td>
<td>3</td>
<td>120mm</td>
</tr>
<tr>
<td>B3</td>
<td>357 Magnum</td>
<td></td>
<td>5</td>
<td>430m/s</td>
<td>3</td>
<td>120mm</td>
</tr>
<tr>
<td>B4</td>
<td>44 Magnum</td>
<td></td>
<td>5</td>
<td>440m/s</td>
<td>3</td>
<td>120mm</td>
</tr>
<tr>
<td><strong>Fully Armoured Vehicles</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B4+</td>
<td>AK47 Ball 7.62 x 39</td>
<td></td>
<td>10</td>
<td>710m/s</td>
<td>3</td>
<td>120mm</td>
</tr>
<tr>
<td>B5</td>
<td>5.56 x 45 Steel Core SS109 Round</td>
<td></td>
<td>10</td>
<td>950m/s</td>
<td>3</td>
<td>120mm</td>
</tr>
<tr>
<td>B6</td>
<td>7.62 x 51 Ball</td>
<td></td>
<td>10</td>
<td>830m/s</td>
<td>3</td>
<td>120mm</td>
</tr>
<tr>
<td>B6+</td>
<td>5.56 x 45 Lead M193 Round</td>
<td></td>
<td>30</td>
<td>980m/s</td>
<td>3</td>
<td>120mm</td>
</tr>
<tr>
<td><strong>Armour Piercing</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B7</td>
<td>7.62 x 51 AP</td>
<td></td>
<td>30</td>
<td>820m/s</td>
<td>3</td>
<td>120mm</td>
</tr>
<tr>
<td></td>
<td>AK47 7.62 x 39 AP</td>
<td></td>
<td>30</td>
<td>715m/s</td>
<td>3</td>
<td>120mm</td>
</tr>
</tbody>
</table>
INTERNATIONAL TENDER EXERCISES CONDUCTED ON ‘BEST-VALUE’ BASIS

SYSTEMS CONTRACTS FOR ARMOURED VEHICLE SUPPLY ESTABLISHED

AFTER-SALES SUPPORT AN INTEGRAL PART OF SYSTEMS CONTRACTS
Fleet Forum Armoured Vehicle Workshop
United Nations Surface Transport Section

BENEFITS OF STANDARDISATION

✓ EASY INTERMISSION TRANSFER
✓ SCALE ECONOMIES IN VEHICLE PRICES AND ANCILLARY SERVICES
✓ FAMILIARITY WITH OPERATING AND MAINTAINING
Fleet Forum Armoured Vehicle Workshop
United Nations Surface Transport Section

MAINTAINING ARMoured VEHICLES

- Spare parts are costly
- Glass has a short life
- Brake wear can be rapid
- Parts unique to armorer
- Body cracks are common
- Suspension wear & tear
- Inadequate cooling
Fleet Forum Armoured Vehicle Workshop
United Nations Surface Transport Section

OPERATING ARMoured VEHICLES

- DRIVER TRAINING FOR CONVERSION
- DRIVERS LICENCE CATEGORY ISSUE
- WEIGHT GOES UP WITH ARMOURING
- WHICH STANDARD OF PROTECTION?
- LACK OF VOLUME MANUFACTURERS
- CERTIFICATION OF THE END USER
- DISPOSAL AT END OF LIFE NOT EASY
MAJOR CHALLENGES

- INCREASING THREAT LEVELS
- ARMOURING VS WEIGHT CONCERNS
- COST AS REQUIRED FLEET SIZES INCREASE
- NEW METHODS OF ARMOURING