

# LFT&E Threat/Target Matrix - Examples

**Example 1 – Ground Vehicle Vulnerability LFT&E Threat Matrix**

| Threat System                                  | Munition   |
|--|--|
| Indirect fire                                  | Dual Purpose Improved Conventional Munitions<br>152mm HE fragmenting artillery<br>120mm and 82mm HE fragmenting Mortars<br>Smart munitions (EFP & hit-to-kill Terminally Guided <u>Submunition</u><br>Rockets  |
| Mines / IEDs                                   | IEDs (as improvised conventional ordinance)<br>Explosively Formed Penetrators<br>Anti-tank (various), Anti-personnel (various), <u>Scatterable</u>   |
| Direct Fire                                    | Rocket Propelled Grenades (RPG) (unitary, tandem, and <u>thermobaric</u> )<br>Small arms (5.56mm and 7.62mm) including armor piercing (AP) and non-AP<br>Heavy machine guns (12.7mm, 14.5mm)<br>Sniper and anti-materiel rifles (12.7mm, 14.5mm, 20mm)<br>Anti-armor and blast hand grenades<br><u>Thermobaric/Flame weapons</u> |
| Light-armor-fired                              | 30mm AP and HEI  |
| Aircraft-fired<br>(fixed wing and rotary wing) | Projectiles, Rockets, Missiles   |
| Tank-fired                                     | Kinetic Energy, Chemical Energy, Anti Tank Guided Munitions  |

**Example 2 – Munition Lethality LFT&E Threat Matrix**

| Threat Category                         | Target   |
|---|--|
| Hard                                    | Communications Facility (reinforced concrete)<br>Aircraft Bunker (typical SWA theater)   |
| Industrial                              | POL Refinery (one fractionating unit)<br>POL, Large Partially Underground Tank<br>Specialized Repair Complex<br>Transformer                              |
| Soft Surface                            | SATCOM Antenna<br>EW/GCI Radar<br>GRILL PAN Radar<br>FLOGGER fighter aircraft ( <u>reyetted</u> )<br>SCUD Missile (on launcher)<br>BM-21 Rocket Launcher |
| Lightly Armored<br>Ground Combat System | 152mm Towed Field Gun/Howitzer (stationary)<br>Anti-Aircraft Artillery (stationary)  |