



CJTF Paladin GREEN HASH

Detonation Vulnerability Assessment (DEVA)

Recommendations

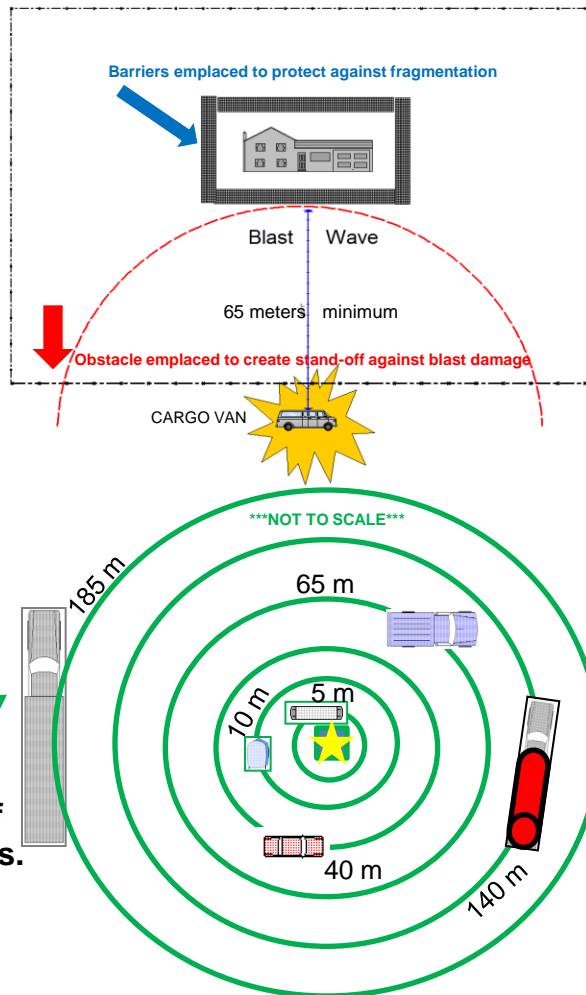
- Remember **Stand-off distance** is the **key** for **dissipating the effects of a blast**. These distances will be used as a guide only. Actual distances will vary dependent on the specific explosive type and the amount used.

- To maximize distance around vulnerable facilities / areas, **use obstacles (fences, poles, etc)** to create stand-off **for mitigating blast hazards**. **Enplace barriers (T-walls, Hesco, sandbags)** up against those vulnerable facilities / areas **to protect against fragmentation hazards**.

- All safe distances below are for unobstructed detonations in straight line view of personnel. Structures and natural barriers **can reduce or enhance** the required safe distance.

- Use Google Earth on SIPR to overlay **exclusion areas** over the affected site you are using or step off the distance on the ground for situational awareness.

- The DEVA template can be used as a guide for any situation from key leader engagements to enduring base plans.



Exclusion area distances are a guide only!

Device / Vehicle Description	Lethal Blast Radius (minimum stand-off)	Potentially Lethal Fragmentation Radius
Suicide Vest / Small device	5 meters	150 meters
Backpack/Motorcycle	10 meters	250 meters
Sedan Compact/Full (in the trunk)	15 - 40 meters	300 - 550 meters
Passenger Van or Cargo Van	65 meters	850 meters
Box Van (SML/LRG) - Water/Fuel Truck	95 - 140 meters	1,150 - 1,990 meters
Semi-Trailer	185 meters	2,200 meters

For more information contact the CJ3 Operations SGM, CJTF PALADIN, SVOIP 431-6013