

The Blast Overpressure Tool

BOP Tool
Platforms for
Monitoring &
Recording BOP
Exposure

Mobile

Windows

BOP Tool for ArcGIS®
Pro Integrated
Windows Computers

Provides the blast overpressure exposure monitoring capabilities needed to inform decisions

Stand-alone blast overpressure prediction software

- Informs Service members of BOP
- Enables Range Control, Safety, and Commander actions to mitigate unnecessary blast hazards during training

Supports safe and effective training

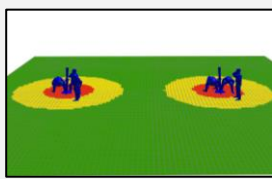
- Predicts blast overpressure exposure so users can:
 - Adjust firing locations, personnel positions, and postures
 - Manage and reduce unnecessary risk without restricting mission-essential training

Users specify training conditions

- Weapon class
- Weapon system
- Firing posture, Number of firing stations
- Distance between stations
- Training duration
- Number of firings

Users receive blast overpressure information

- Color-encoded map of predicted BOP
- Pressure traces for different human body regions
- 3D time-resolved visualizations of predicted blast loads on individual Service members' bodies



Weapon class
Mortar

Weapon system
120mm

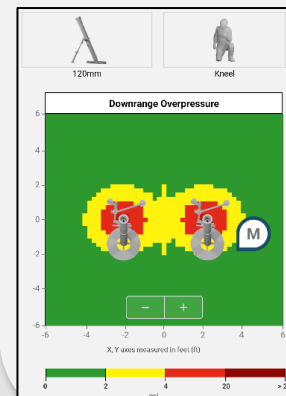
Munition type
Select a munition type

Posture (represented by an image)
Kneel Prone Stand

Firing stations
1 2 3

Training session duration (min)
30

Number of firings
10



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