Propellant Blast Suppressive Transportation Box

A cost effective way to improve the IM-signature of rounds packed in transport boxes

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The 84 mm Carl-Gustaf system

- Recoilless, multi-role, man-portable weapon
- Can be used in almost any combat situation, such as:
  - Defeat MBTs
  - Destroy bunkers
  - Fighting soft targets
  - Close-in protection in jungle or built up areas
  - Create smoke effects
  - Illuminate target areas
- Provides realistic and cost-effective training
A typical 84 mm Carl-Gustaf round without rocket motor (HE 441D)

- Shell
- Propellant
- Ignition system
Problems...
Possible solution?

Today
Type IV reaction

Tomorrow
Type V reaction?
The Propellant Blast Suppressive Transportation Box (PBSTB)

The first design concept
Let’s test it!
The Propellant Blast Suppressive Transportation Box (PBSTB)

The latest design concept
Bullet Impact Test

Three cal .50 AP bullets

Plastic twin containers

PBSTB

Wooden transport box

Packaging sheets

Point of impact

Doppler radar

Test object

Witness plate

Guns

Blast pressure gauges, 5 m

Blast pressure gauges, 15 m

75 mm
What happened?
The result

Type V reaction
The way forward…

Bullet Impact  Fast Cook-Off  Slow Cook-Off

...means more testing
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Questions?
Thank you!