

Propellant Blast Suppressive Transportation Box

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



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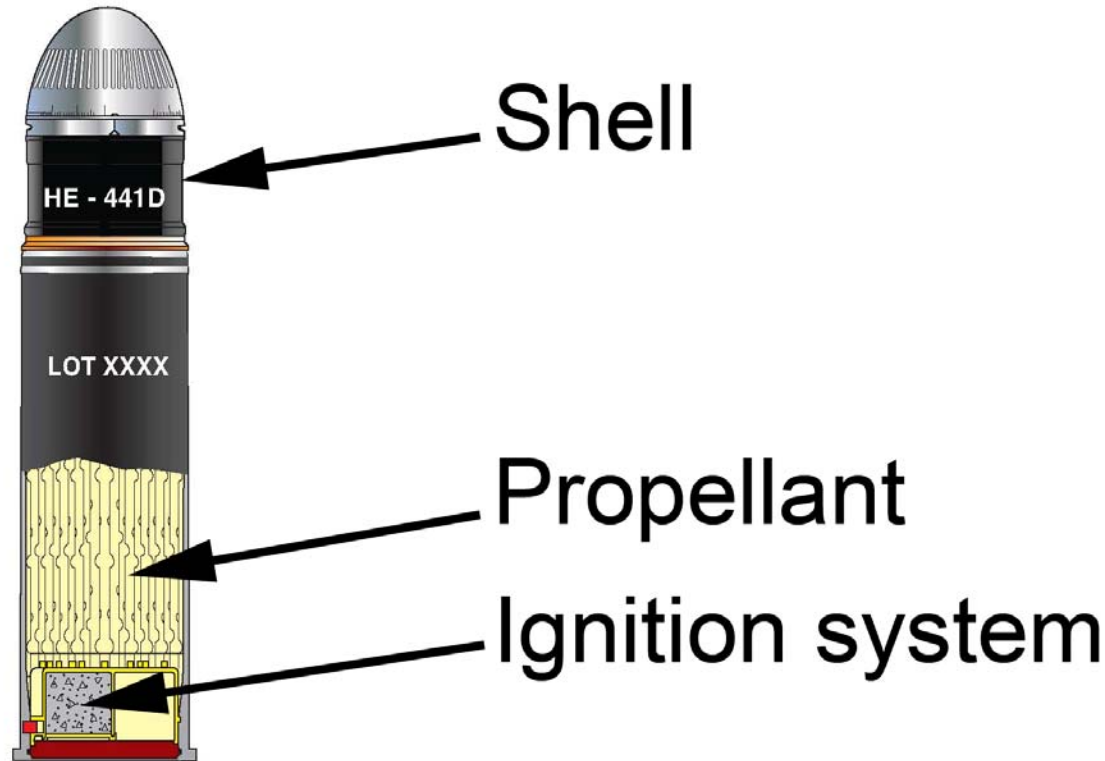
The 84 mm Carl-Gustaf system



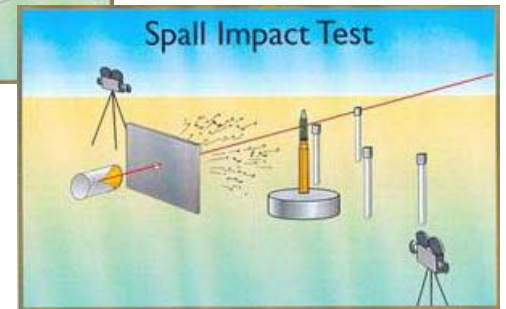
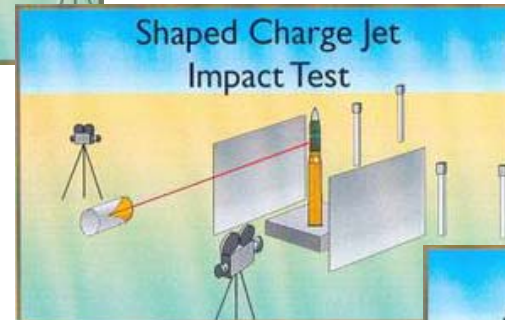
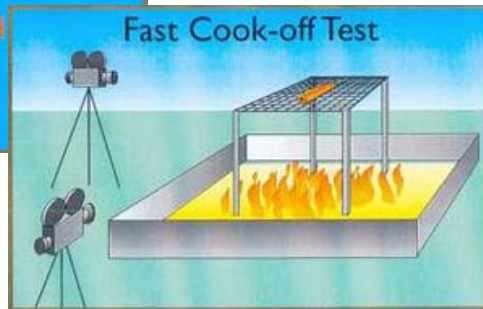
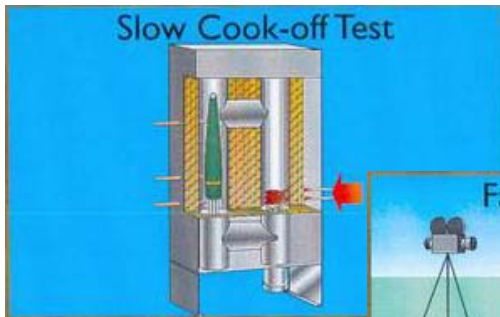
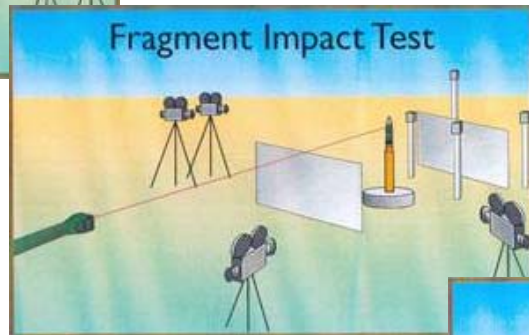
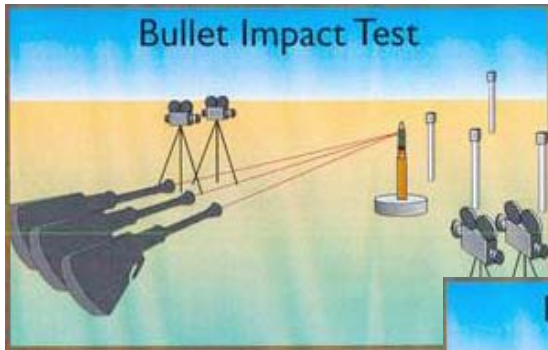
- Recoilless, multi-role, man-portable weapon
- Can be used in almost any combat situation, such as:
 - Defeat MBTs
 - Destroy bunkers
 - Fighting soft targets
 - Close-in protection in jungle or built up areas
 - Create smoke effects
 - Illuminate target areas
- Provides realistic and cost-effective training



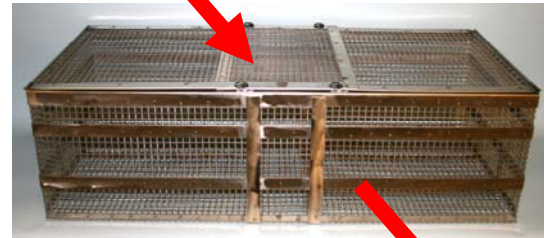
A typical 84 mm Carl-Gustaf round without rocket motor (HE 441D)



Problems...



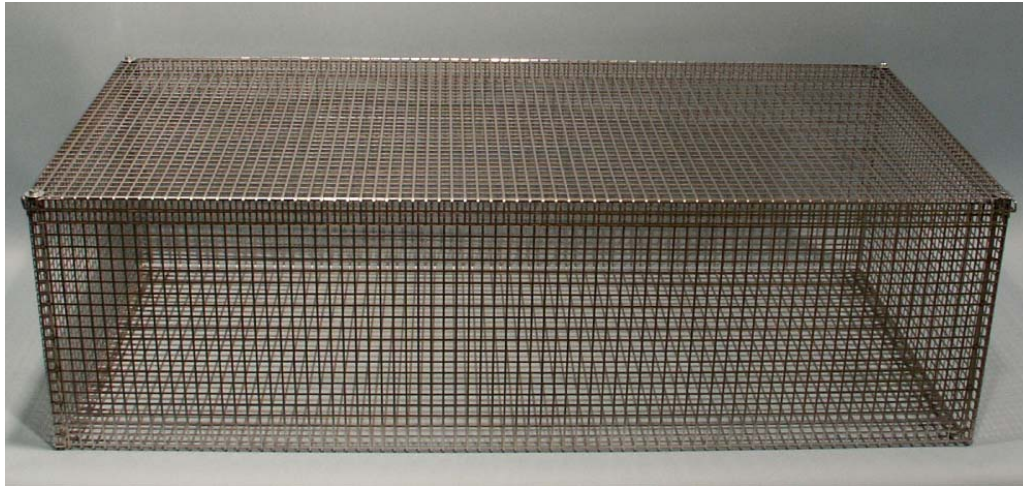
Possible solution?



Today
Type IV reaction

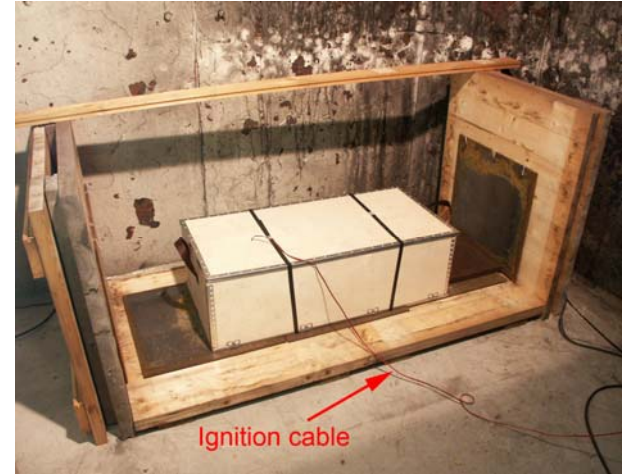
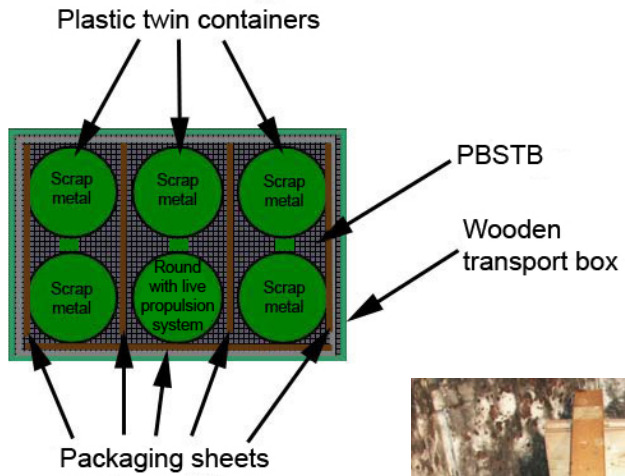
Tomorrow
Type V reaction?

The Propellant Blast Suppressive Transportation Box (PBSTB)



The first design concept

Let's test it!

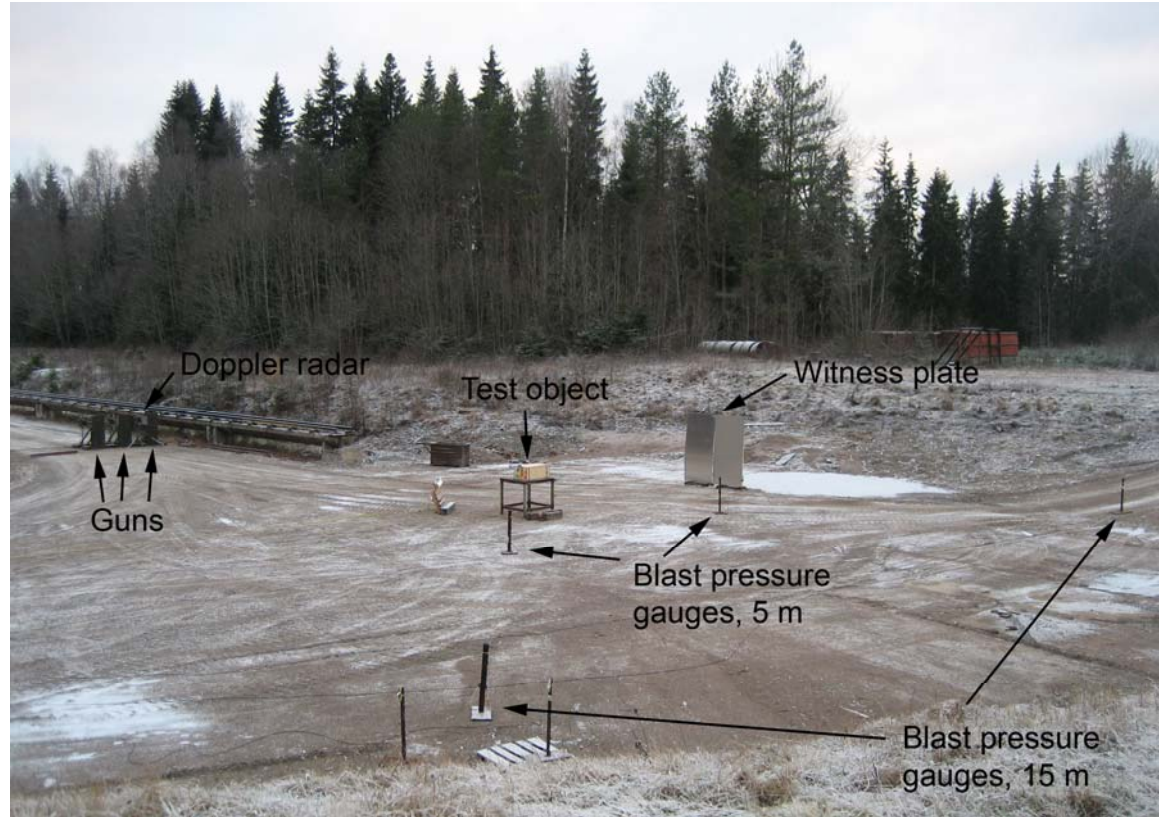
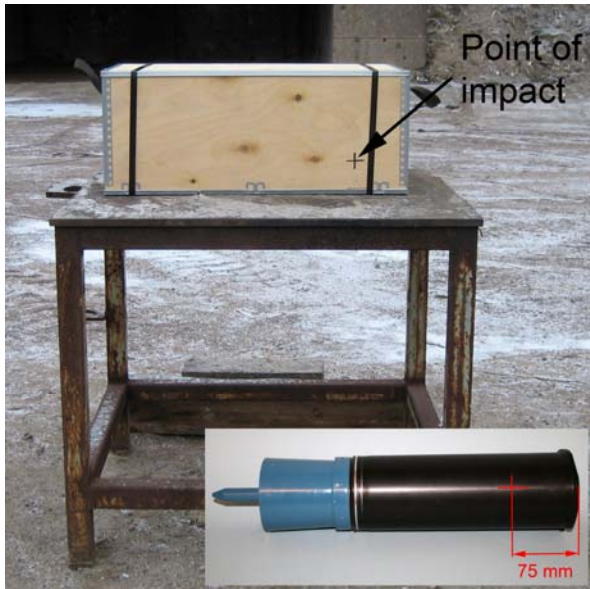
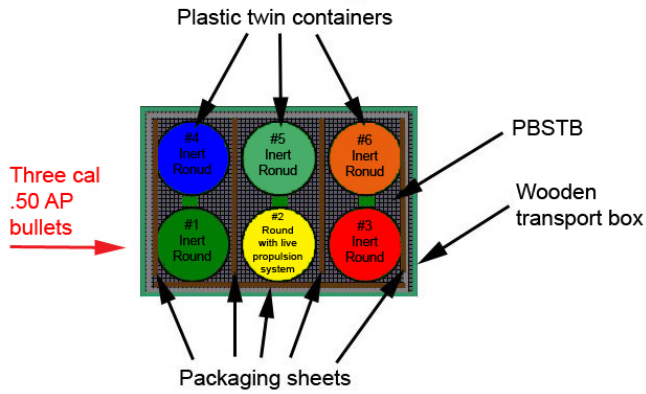


The Propellant Blast Suppressive Transportation Box (PBSTB)

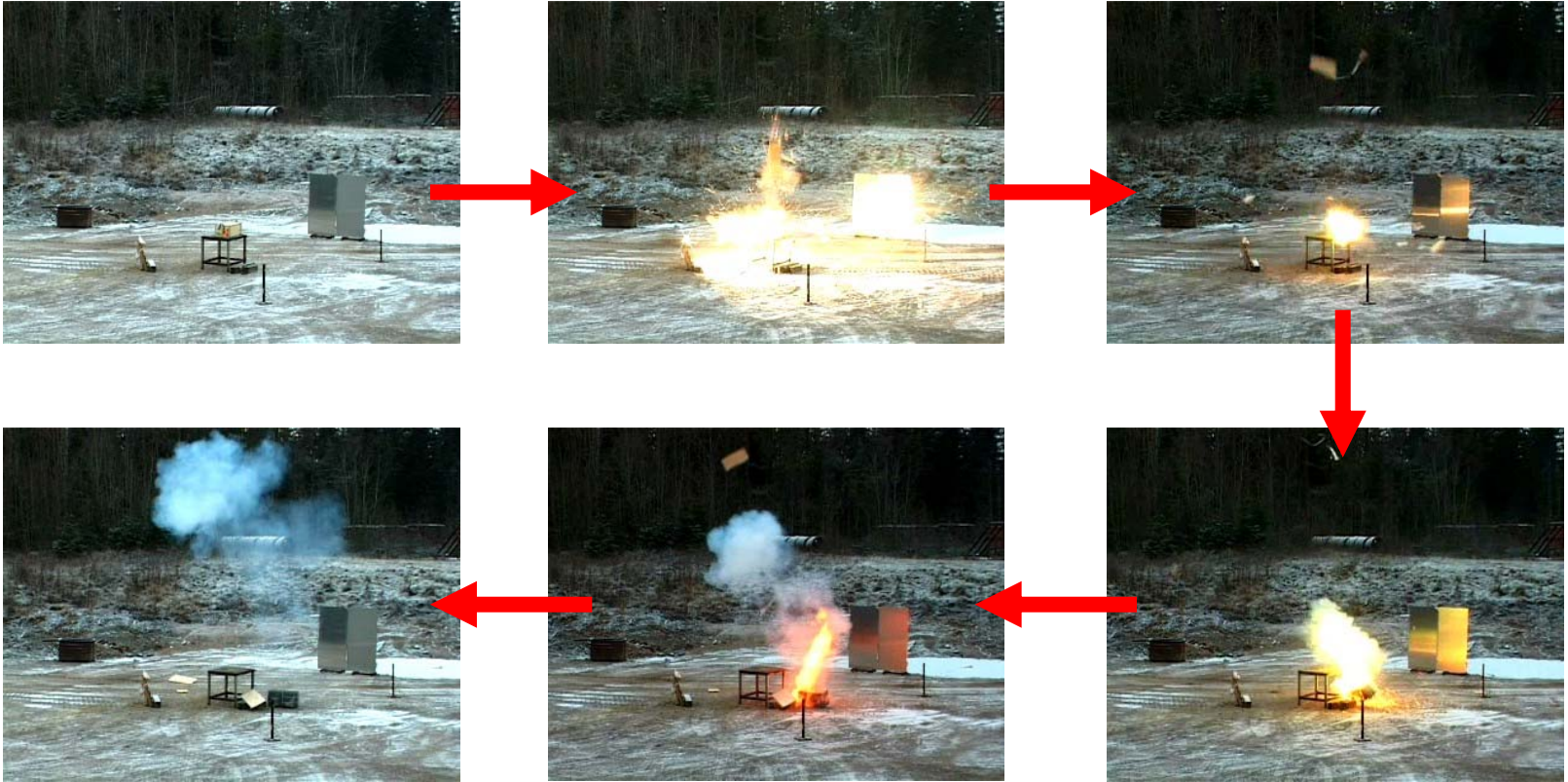


The latest design concept

Bullet Impact Test



What happened?



The result



Type V reaction

The way forward...



Bullet Impact



Fast Cook-Off



Slow Cook-Off

...means more testing

Acknowledgements

- This work has been performed together with:
 - Peter Fritiofsson
 - Alf Prytz

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 - Leif Jilsmo
 - Per Karlsson
 - Richard Lindvall
 - Henric Magnusson

- All of us work for Saab Bofors Dynamics AB

Questions?



Thank you!



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