

# BAE Systems AB

SEP AAC Live Demonstration  
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# Summary

- BAE Systems Hägglunds and ADS GmbH have initiated a cooperation to integrate the Active Armor Concept (AAC) onto the SEP platform, to accomplish a highly mobile, light-weight and superiorly protected vehicle.
- The integrated Concept was demonstrated on the 17th of April in Sweden. The demonstration was also supported by the Swedish Defence Materiel Administration (FMV). The result show an excellent ability to withstand a typical urban warfare scenario in different aspects.

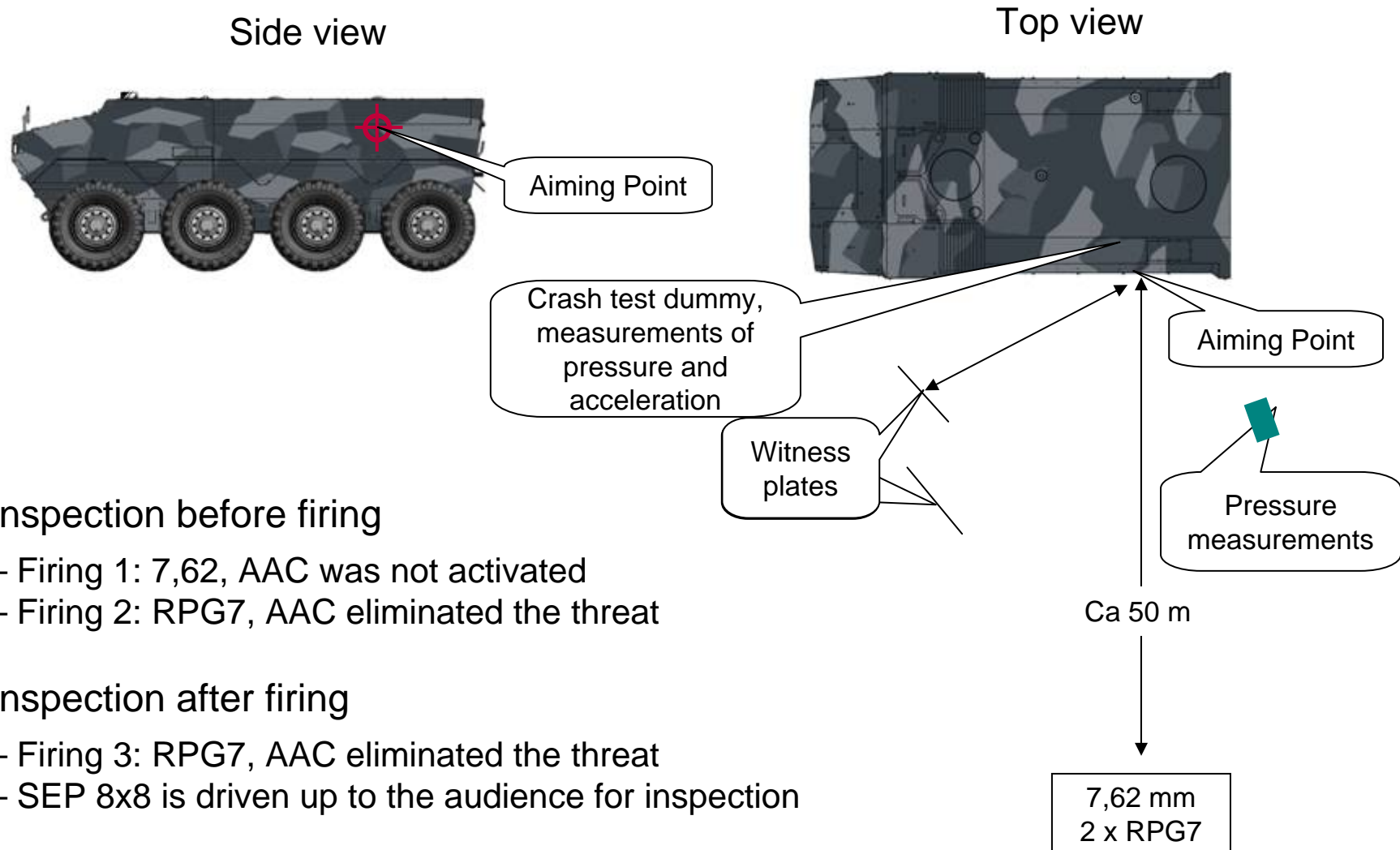


# Background

- Cooperation between BAE Systems Hägglunds and ADS GmbH
- Demonstrate the integrated concept SEP/AAC
- Describe the characteristics, advantages and potential of the SEP/AAC concept
- Firing with 7.62 mm as an example of a non- threat (threat rejection)
- Firing with two RPG7s as an example to withstand repetitive attacks, also with the same hit point
- Short vehicle demo of the SEP 8x8 vehicle
- Vehicle Show: CV9035, SEP Tracked with logistics role module, CV90120, BvS10



# Firing Sequence



## Inspection before firing

- Firing 1: 7,62, AAC was not activated
- Firing 2: RPG7, AAC eliminated the threat

## Inspection after firing

- Firing 3: RPG7, AAC eliminated the threat
- SEP 8x8 is driven up to the audience for inspection



# Conclusions

- SEP is designed and prepared to easily integrate the AAC
- The integrated SEP/AAC concept could define the small arm firing as a non-threat
- The integrated SEP/AAC concept defeated two difficult threats fired at the same point from a short range
- Personnel inside the vehicle was unaffected. Measurements showed that collateral effects were minimal.
- After the firings, the SEP was driven back to the audience showing outside cosmetic damage only

