Powered Rail

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Integration and Interoperability Issues for Dismounted Soldier System Weapon Systems

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Agenda

- History
- Current NATO Small Arms
- Existing accessories
- Scope of work 2009
- This can be achieved
- Path forward
- Questions

History

- Eleven Nations are teamed upped with the objective to standardize a Powered NATO rail
- Power and TI have been merged into the Powered Rail team
- 6 nations has brought forward national Powered Rail programs

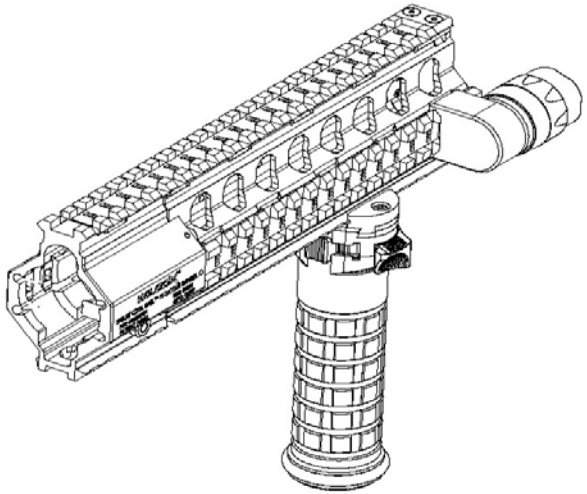
Current NATO Small Arms

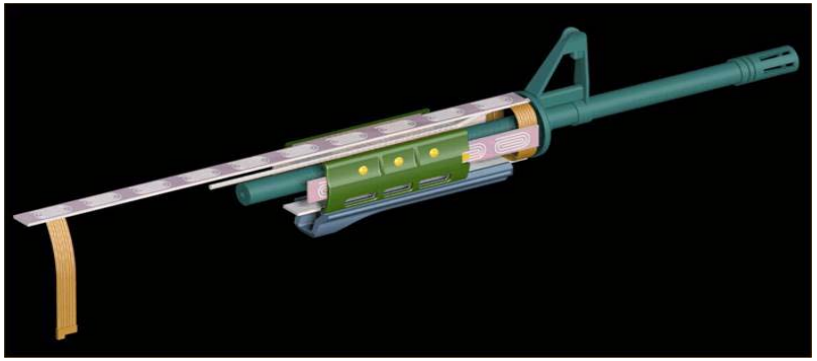
Existing accessories

- Most contain batteries, of different types
- Batteries account often for up to 50% of the mass and volume of the item
- As most are mounted around the hand guard, the center of gravity is moved forward
- This affects the handling of the weapon

Scope of work 2009

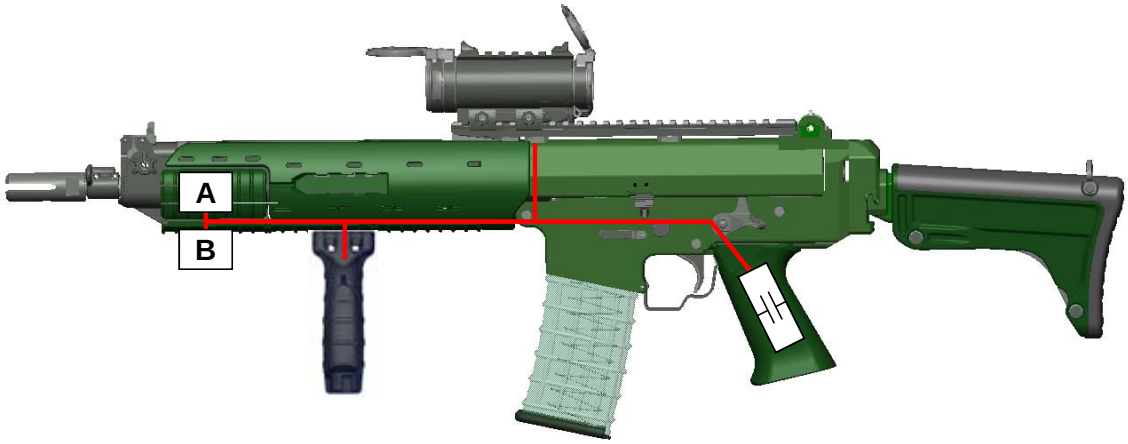
- Create a matrix over the 6 national programs
  - All programs have different technical approaches
  - 2 different energy transfer techniques
    - Inductive and Conductive
- Create a test procedure for powered rail's
- Finalizing the Power documents





This can be achieved

- A Powered accessory rail built on STANAG 4694 gives the possibility to:
  - move the Centre of gravity
  - reduce weight
  - create or improve the power management system
  - improve interoperability



Path forward

- Creating a STANAG for a Powered Rail based on the Accessory Rail STANAG 4694
- Future STANAG considerations
  - Interoperability
  - Open for different weapon system designs

Questions?