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?