• Army Invention of the Year

• Presented By;
  – Steve Kotefski, Savit Corporation
MK 19 Weapon

• Choice Weapon System of the Warrior
  – Close Combat Scenario
  – Effective Lethality

• Drawback of Weapon System
  – 32 Round Belt Needs To Be Reloaded
    • Causes a Weapon Re-Load Requirement
      – POTENTIAL DANGER TO WARRIOR
WARRIOR FIELD FEEDBACK

• ELIMINATE RELOAD ISSUE
• ADDITIONAL FEEDBACK
  – Partial Belts from Engagement and/or Practice become useless
  – Single Rounds From Charged Weapons become useless
FIELD ISSUE TO SOLUTION

• Warrior Feedback Issues
  – Warrior Needs-
    • Continuous Firepower from Weapon System-MK19
    • Salvage Partial Belt and Single Round Ammunition

• Solution
  – Achieve the Warriors Needs
• Warriors Needs Defined
  – Field Feedback

• Potential Solutions-
  – Analyze Given Issues- WARRIOR FIELD FEEDBACK
  – Solution = Warrior Needs + Technical Innovation
    • INNOVATION = PATENT = ARMY’s GREATEST INVENTION RECIPIENT for 2009 =
      THE PIVOTING COUPLING
THE PIVOTING COUPLING DEVELOPMENT

• From Field Issue to Solution
  – Gather Field Issues
  – Gather Design Issues
    • Function- Ammunition, Linkage and Weapon System
    • Weapon System Limitations- Rate of Fire, Over Heating
  – Search for Solution-
    • Brainstorming
    • Analysis
    • Innovation
Ammunition Belt Assembly
Basics of Design
• PIVOTING COUPLING
  – Field Problem -Success
  – User Issue –Success
  – Cost Savings –Success
  – Army Invention of the Year Recipient