





Agenda



- Small Arms Capabilities Based Assessment
- Soldier lethality
- Small arms capability today
- Small arms capability tomorrow
- Strategic communications
- Small arms division organization

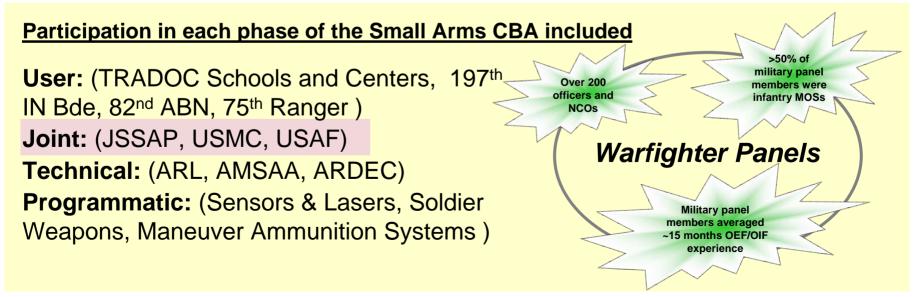


Small Arms CBA





- Needed to establish the analytical basis for small arms requirements
- ARCIC initiated in FEB 07
 - Study Team included broad base of knowledge and skills, significant Soldier input
 - Identify tasks, establish conditions and standards, and assess current capability against those standards to identify areas of interest
 - Assess a combination of non-materiel and materiel solutions
 - Prioritize non-materiel and materiel solutions
- ARCIC approved MAR 08





Small Arms CBA What Soldiers Need



See the enemy

- Beyond weapon ranges for situational awareness
- At weapons ranges for engagement
- All conditions
- Day or night
- Bad guys vs. civilians

Kill the enemy

- Really about effect (or incapacitation)
- Impacts of range versus time
- Noise and light discipline
- Breaching capability
- Maintenance and Reliability

Not exactly a revelation

A different approach in small Arms

Soldier + Training + Weapon + Optic + Ammo = Effect



Soldier Lethality



Lethality isn't just about the weapon.....

- Soldier
- Training
- Weapon
- Optic
- Ammunition

EFFECT



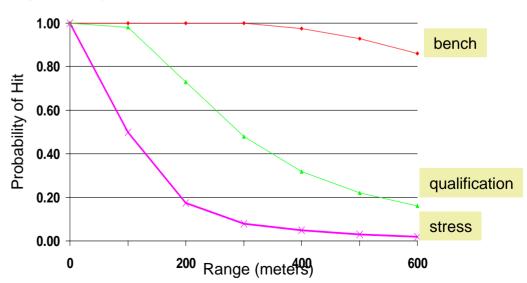
Improving Soldier Lethality



- Lethality is like real-estate.....location, location
- Solutions to improve lethality
 - 0-50m: Training, Ammo and Techniques
 - 50-500m: Training and Optics/Fire Control

Requires quality hit on the target

- Factors for hitting downrange targets
 - **#1 Aim point**
 - **#2 Range Estimation**
 - #3 Environmental
 - #4 Dispersion of weapon





Today's Small Arms Capability





- M4 is effective weapon in combat
- Expanded issue of Rail Adapter System
- Unprecedented capability (optics+)
- Enormous field support for all 3 weapons
- Expanded issue of optics on M249 & M240B
- Improved of night capability
- Effective sustainment of M249



- Currently fielding M110 Semi-Auto capability
- Expanded use of precision engagement assets
- Fielding of Advanced Sniper Accessory Kit



Tomorrow's Small Arms Capability



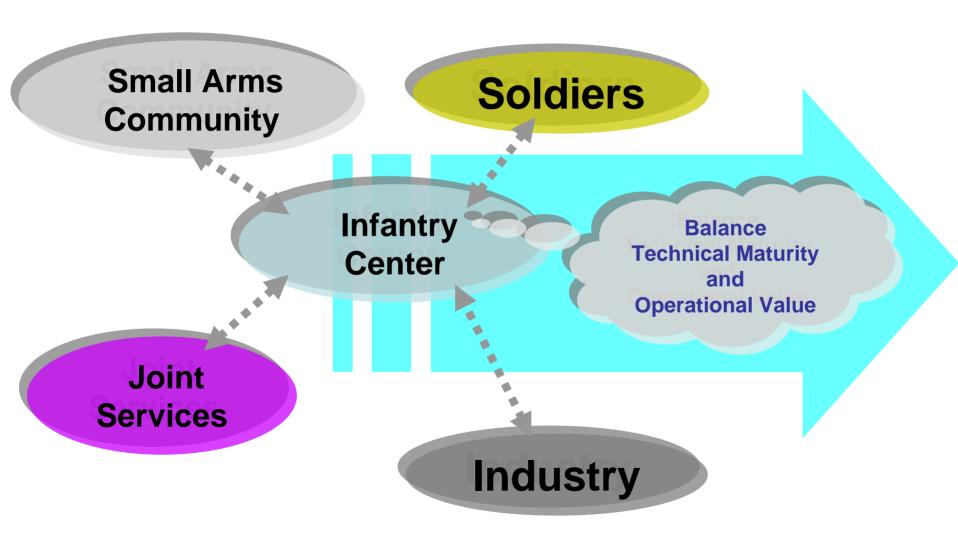


- Monitor Air Force handgun effort
- Add sub-compact capability to the force
- Optics on every weapon
- Expand precision engagement capability in squads
- Performance, Safety, Reliability, Weight
- M240E6 4.5 lb lighter, lighter tripod
- Heavy Machinegun day optic
- E50, Fixed Head-space and timing, quick change barrel
- Expand capability of sniper suite, issue
- Pursue 1500m anti-personnel weapon



Strategic Communications

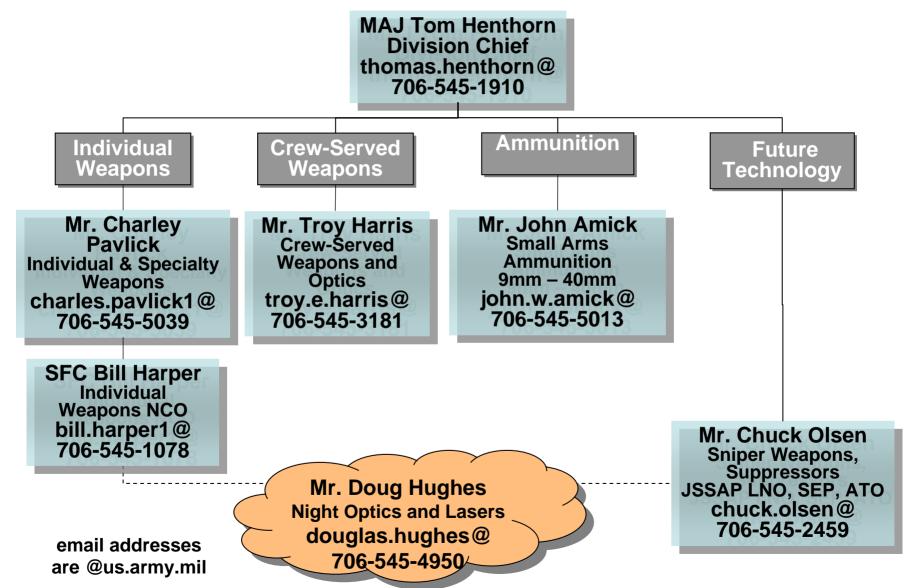






Small Arms Division







Summary



Enable Soldiers to be effective in their operational environment