



Target Acquisition Fire Control Technologies for Next Generation Systems

PM Soldier Weapons / US Army

Picatinny Arsenal NJ

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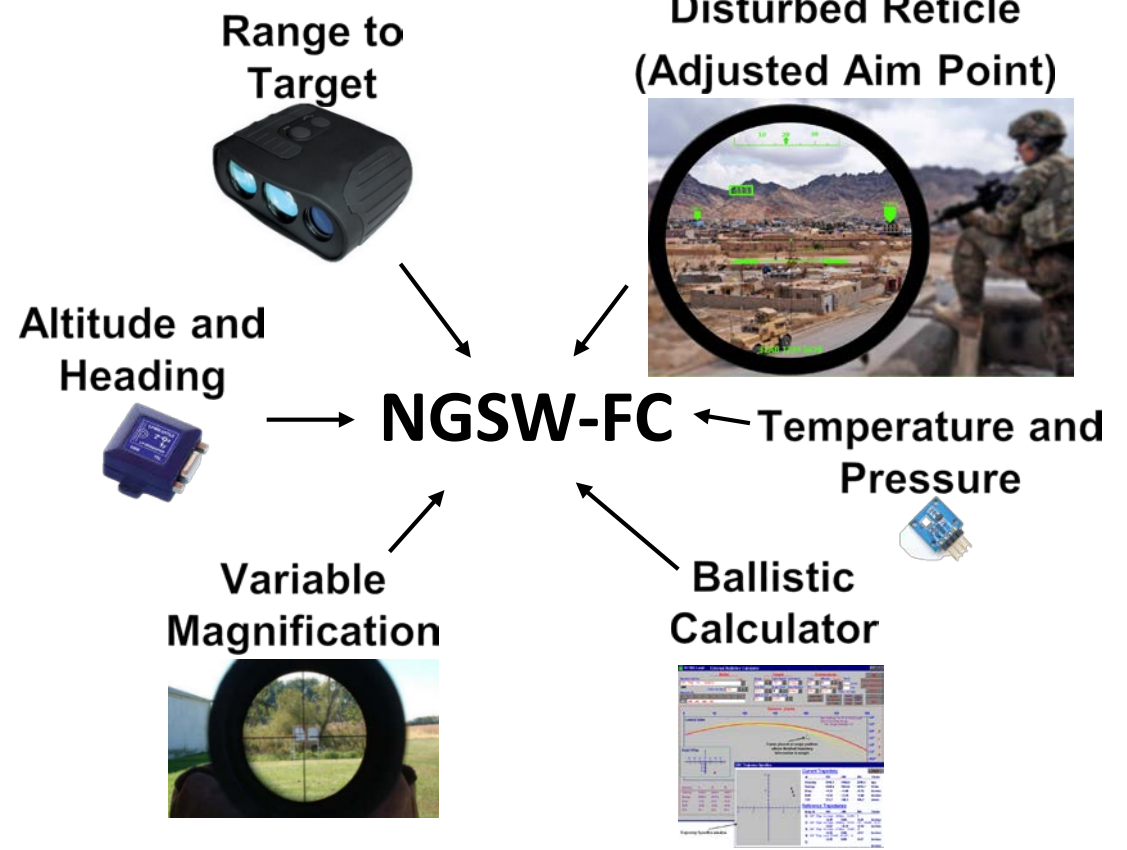
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NDIA Armament Conference / Small Arms Division Themes

PM SW NGSW-FC Overview



- Integrated Technologies to reduce soldier load
- Increase ability to accurately engage targets
- Direct View Optic for Degraded/Powerless Operation
- Magnification
 - Variable Magnification to 6x or greater to identify and engage targets beyond 600 meters
- Disturbed Reticle
 - Ballistics calculated in near real time using sensor suite information
- Sensor Suite:
 - Temperature
 - Pressure
 - Range Finder
- Close Quarters Battle (CQB)
 - True 1X magnification for two eye open shooting

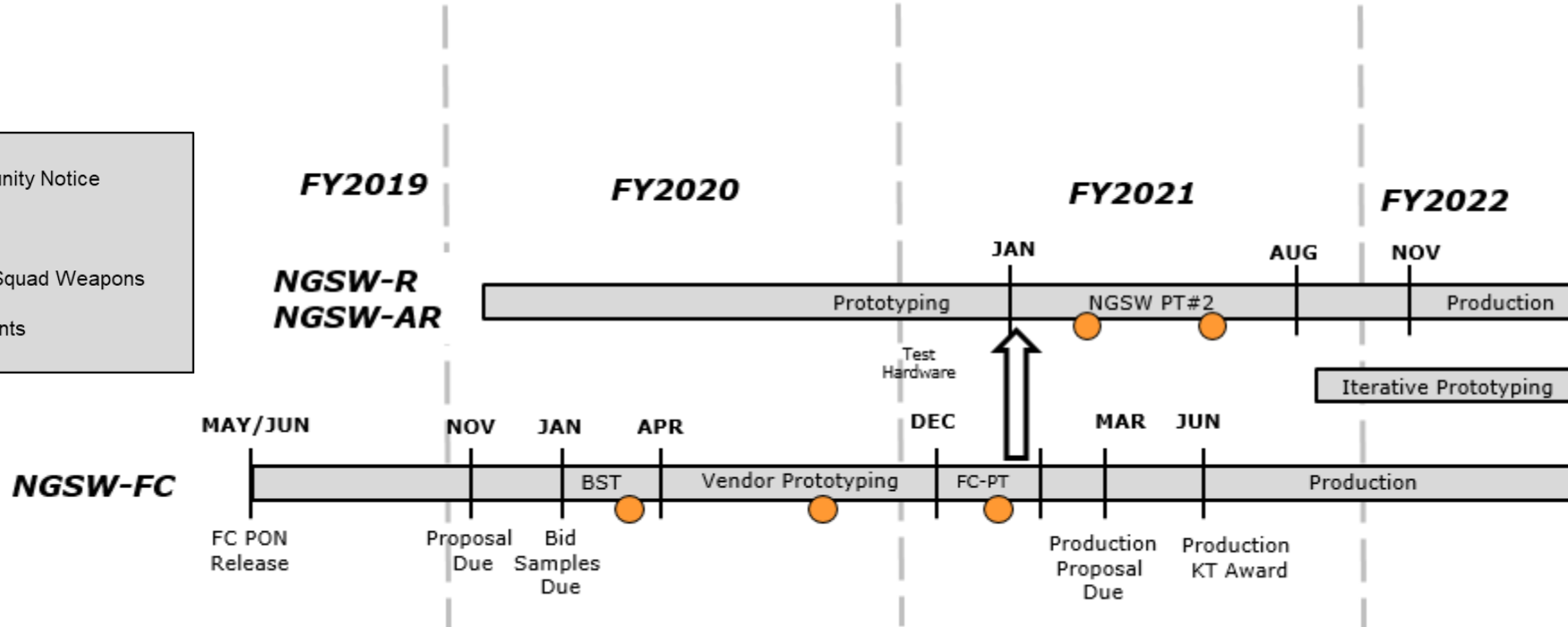


Modernizing Fire Control Capabilities for the Dismounted Soldier

Overarching Schedule/Roadmap



Legend	
PON	Prototype Opportunity Notice
BST	Bid Sample Test
PT	Prototype Test
FC	Fire Control
NGSW	Next Generation Squad Weapons
KT	Contract
○	Soldier Touch Points



GROWTH TECHNOLOGIES



Increasing Capability with Iterative Prototyping

- Automatic target recognition
- Target tracking
- Facial recognition
- Optical augmentation
- Aim Augmentation
- Wind sensing
- Soldier Load Optimization
- Advanced Network Lethality
- Ruggedization Improvements
- Augmented Reality
- Improved Power Efficiency
- Integrated Night Sensing

S&T Integration

- DEVCOM S&T Projects (SCOPE, AFCT, LSS)
- PMSW Internal 6.4 RDTE Projects
- SBIRS & MANTECH Efforts

**Technologies apply to Fire Controls
across the PEO Soldier Portfolio
along with partner agencies**