

NDIA 2005 International Small Arms Symposium & Expo



S.C.A.R.

S.O.F. COMBAT ASSAULT RIFLE



OPERATOR ENVISIONED, TESTED, CHOSEN



Mr. Troy Smith
19 May 2005



Why SCAR?



SCAR gives the SOF Operator a
Weapon that is Specifically Designed for
SOF By SOF



Program Requirements



- ➡ SCAR JORD approved January 2004
- ➡ Provides a Family of Weapons with Ergonomic and Parts Commonality, thereby Enhancing Mission Effectiveness, Reducing Training Time and Logistics Down Time and Cost
- ➡ Modularity (Barrel and Caliber) Increases Operational Flexibility and Reduces number of Weapons required to meet the Operational Need
- ➡ Initial Weapons Family (5.56mm, 7.62mm, 40mm) with

Increased

Reliability

System Service Life 90K System Service Life

Barrel Life 15-35K Barrel Life

Environmental Capabilities Over-the-Beach

Reduced

Signature

Life Cycle Costs 60-90% Parts Compatibility

Training 100% Ergonomic Commonality

Harnessing the Power of Technology for the Warfighter



Program Highlights



SCAR-Light (5.56mm)



SCAR-Heavy (7.62mm)

- **Conducted in a Full and Open Competition**
- **Nine Industry participants (12 Proposals) in Go/No Go Process**
- **14 SOF Operators assessed Samples/7 SOF Operators acted as Voting Members on Source Selection Board**
- **Less than 10 Months from Solicitation Issue to Contract Award**
- **Contract awarded 5 November to FN Herstal**
- **Concurrent Development of SCAR L, SCAR H and EGLM**
- **True Teaming Triad between Operators, Government and FN**

Operator Envisioned, Tested, and Chosen

Harnessing the Power of Technology for the Warfighter



SCAR Family



SCAR-Heavy (7.62mm)

Caliber: 5.56mm
Tailored for 5.56mm
Weight: 7.2 lb
Magazine Capacity: 30rd

Caliber: 7.62mm
Caliber Modularity
Weight: 8.1 lb
Magazine Capacity: 20rd

Common Features

Operation: Short Stroke Piston
100% Ergonomic Compatibility
Rate of Fire: 550rpm
EGLM Compatible

Barrel Modularity: CQC, STD, and SV
Enhanced Folding Stock
OTB Capable
SOPMOD Compatible



SCAR Strategies



➔ Operator Involvement

- ➔ Operator involvement in Requirements Generation process, including Early Market Research with Industry
- ➔ 14 Operators involved in Early User Assessment
- ➔ 7 Operators on Source Selection panel



SCAR Strategies



➤ Operator Involvement

- Conducted Three “Joint” Design Reviews within 5 months with FN
 - Reviewed all “ECPs” from the initial DT and Early User Assessment
 - Incorporated many of the ECPs in preparation for next Phase of Testing

Zutendaal, Belgium, SCAR H



Zutendaal, Belgium, SCAR L



➤ Next Joint Design Review June 2005

➤ Operators involved with Contractor Testing at FN June-August 05



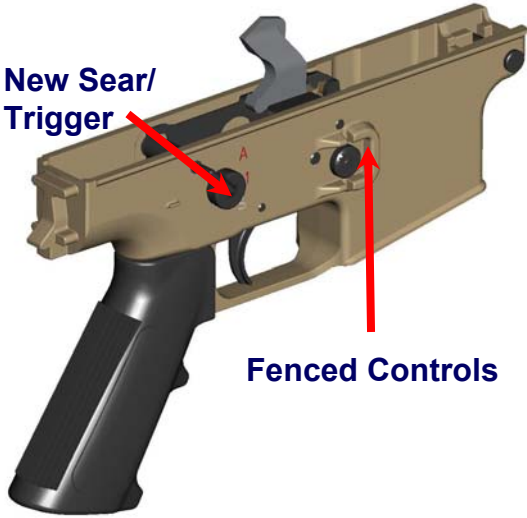
SCAR UPGRADES



Operator Tested For Improvement

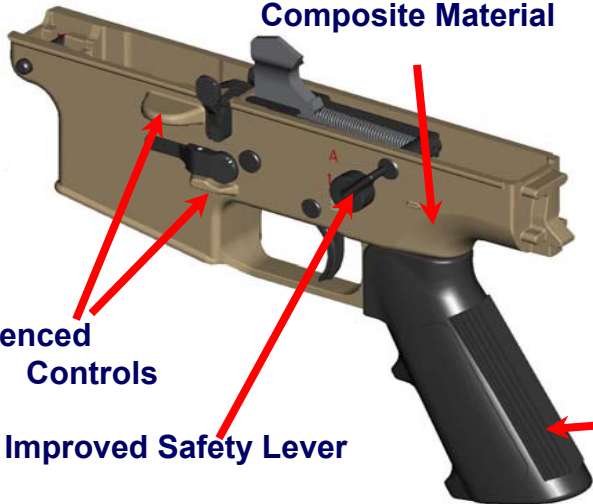


New Sear/
Trigger



Fenced Controls

Composite Material



Fenced Controls

Improved Safety Lever

Thinner Grip

Ergo Profile

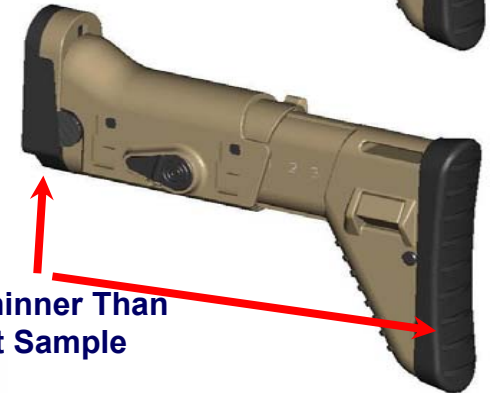
Detent Adjust



Composite Material



.25in Thinner Than
Product Sample

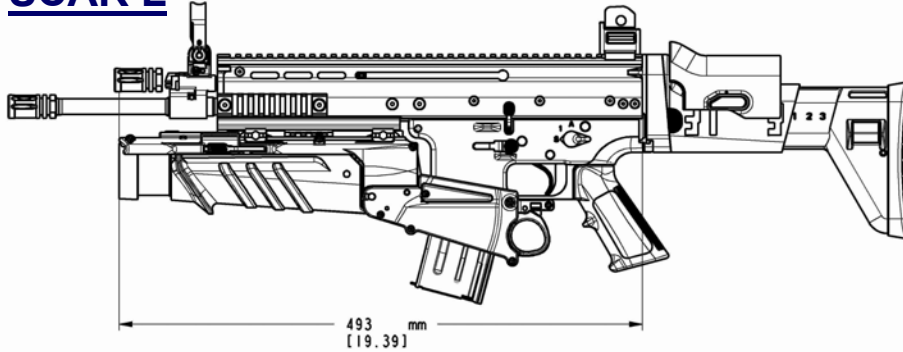


EGLM

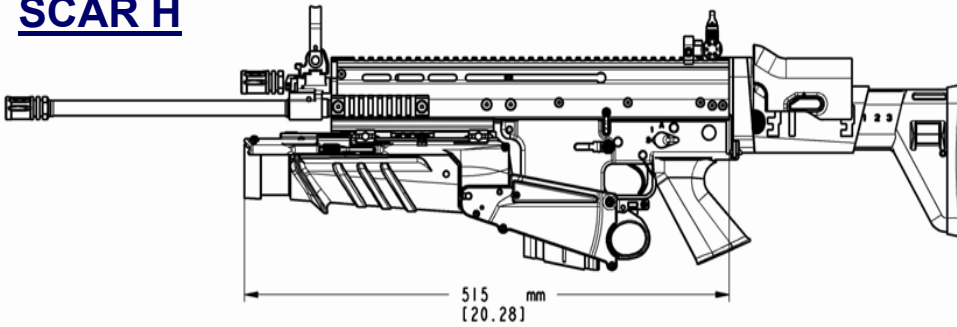


Push Button Safety

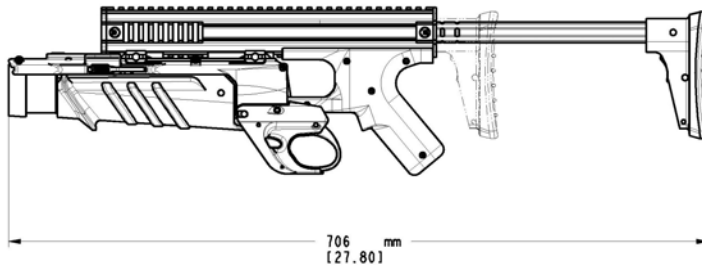
SCAR L



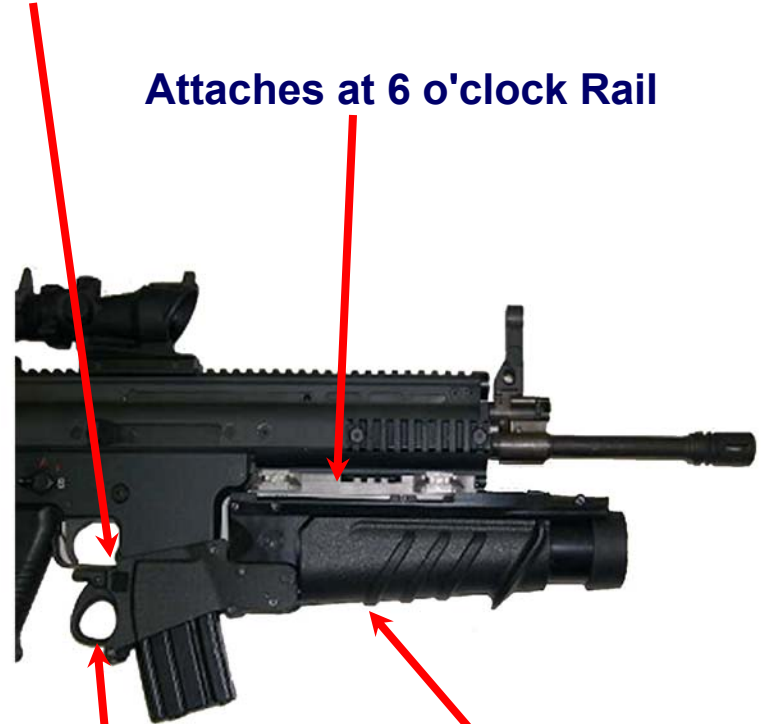
SCAR H



Stand Alone



Attaches at 6 o'clock Rail



Lock Breech

EGLM Trigger Mechanisms optimized per SCAR Configuration

Harnessing the Power of Technology for the Warfighter





➤ Training

- Force on Force
- Computer Based Training
- Simulators

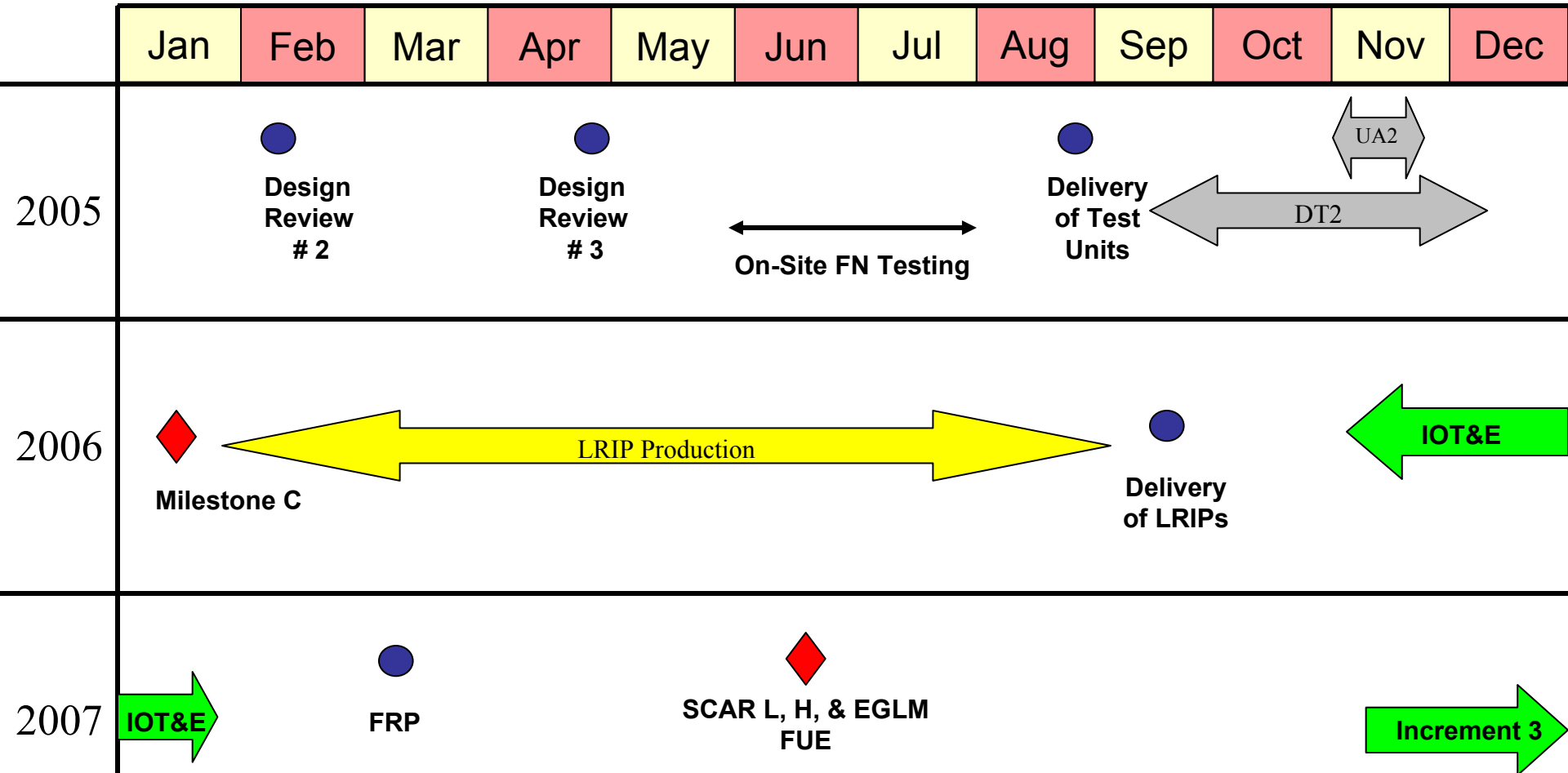
➤ Future Ammunition

- Enhancements
- New Calibers

- SCAR L, H and EGLM Test Units scheduled for delivery on
31 August 2005



SCAR Schedule



Conclusion



USSOCOM is Leading the Next Evolutionary Step in Small Arms Development...at a Revolutionary Pace

- ➡ SCAR Program Fills a Need That Years of SOF Operator Experience Tells Us Still Exists
- ➡ A Multipurpose Weapon of Choice *With* Choices for Today's and Tomorrow's Battlefields
- ➡ SCAR Program Will Field the Best Possible Weapon System to the SOF Operator





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