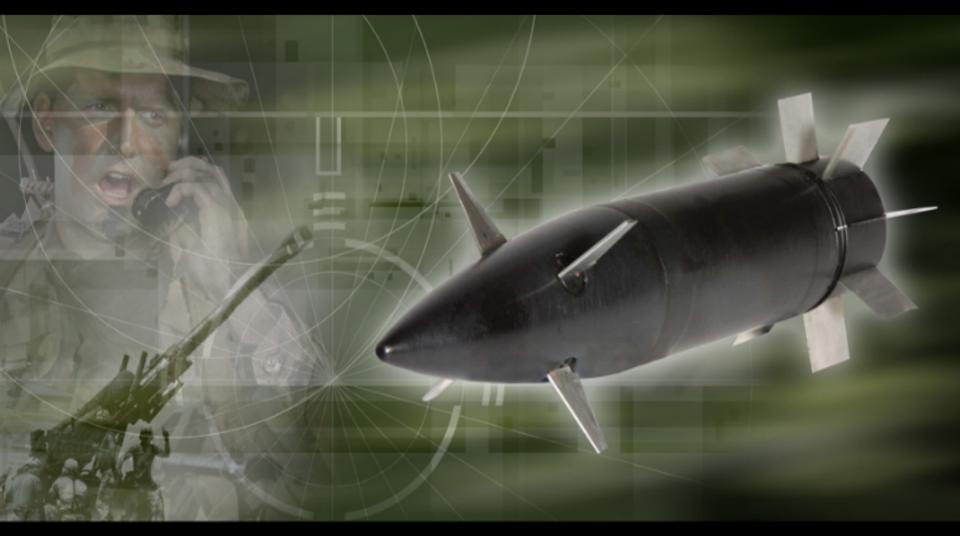
Excalibur



XM982



Excalibur: Fact or Fiction?



FACT

- 155mm GPS-guided, Precision munition
- Fire and Forget
- All weather
- Unitary Warhead
- Optimized for urban/complex terrain

FICTION

- Not a replacement for Copperhead
- Not pin-point accurate; no laser designation
- Not a "guided missile"
- Not a tank killer



Basic Characteristics & Capabilities



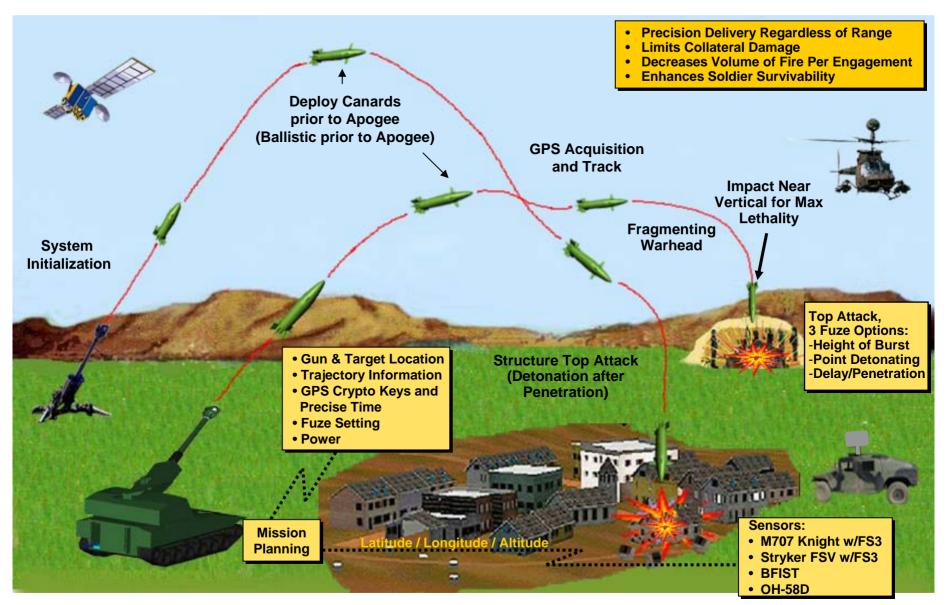
- Range
 - 7.5 km min range
 - Early fielding, 24km
- Always a high angle mission
- Near vertical terminal angle
 - Approximately 80-85 degrees
- 10m CEP at all ranges
- 30m Safe Arm Distance
- GPS guided, IMU backup
- 3 Fuze options:
 - PD
 - Delay up to 8 inches of reinforced concrete
 - Proximity HOB
- No manual fuze setting; must be set with Enhanced Portable Inductive Artillery Fuze Setter





Concept of Operations





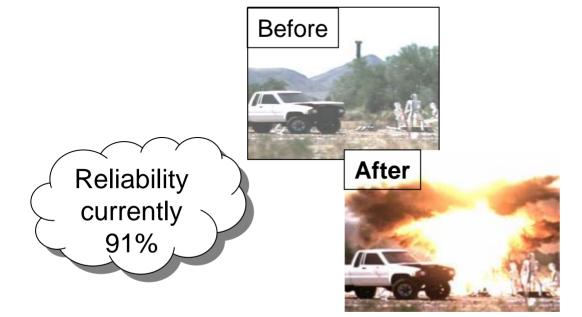


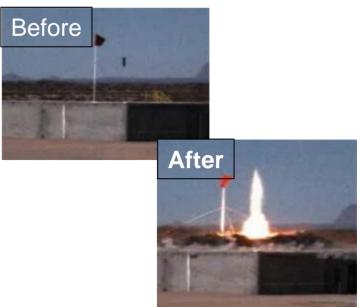
Excalibur Status



- Safety Qualification Testing Complete
- First Article Testing Complete
- Limited User Test (LUT) 7-17 Feb 07 at YPG
- Initially 65 rounds, then up to 500 over year of production.
- NET team to arrive in theater early May 07.

UMR Projectiles delivered to theater Apr 07







Excalibur LUT Videos







Back Up



Portable Excalibur Fire Control System (PEFCS)









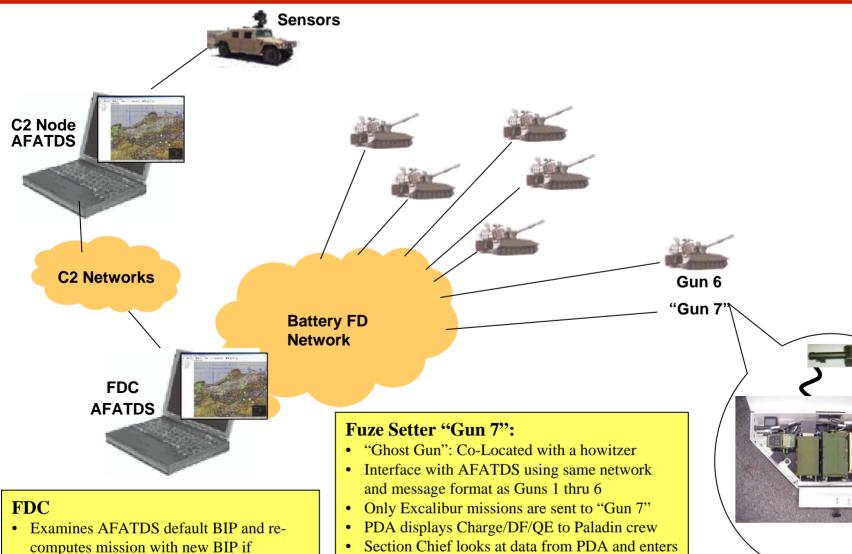
necessary

• FDC operator maintains Excalibur ammo

count on AFATDS for gun "7"

AFATDS/PEFCS Interoperability





it into PDFCS/AFCS as a Manual Mission

• Section Chief uses PDA to send "Shot" to FDC