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Air Armament Center



Flexibility Precision Weapons Bring to the Fight



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Director 308 ARSW
11 Mar 2009

Integrity ★ Service ★ Excellence
UNCLASSIFIED

308 ARSW Mission/Vision



Mission Statement

Equip Our Warfighters with Air Dominance, Strike, and Combat Support Capabilities to Fight and Win Decisively



Vision Statement

War Winning Capabilities...On Time, On Cost





Capabilities Evolving and Integrating into the Battlespace



Networked Weapons and Platforms

Capabilities

- Precision
- Moving targets
- Low collateral damage

Integration Capabilities

- Find/fix/target
- Decoy
- Suppress/deny

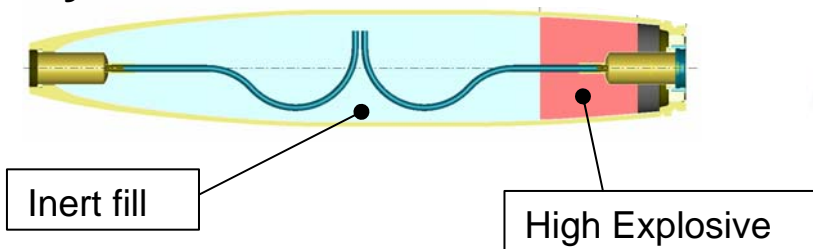


Joint Direct Attack Munition (JDAM)

- Low cost, guidance *tail kits*
- GPS, Inertial Navigation System
- Mk 80 Series/BLU-109 compatibility
- Accurate <5 meters, in-flight retargeting
- Autonomous & adverse weather capability
- F-15E, F-16, F/A-18, F-22A, AV-8B, B-1B, B-2 B-52H



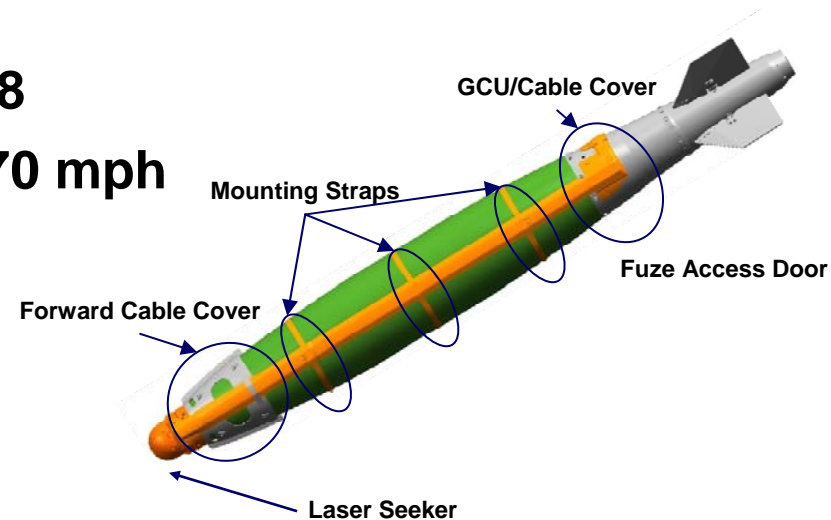
Navy BLU-126 - Low Collateral Damage





Laser JDAM

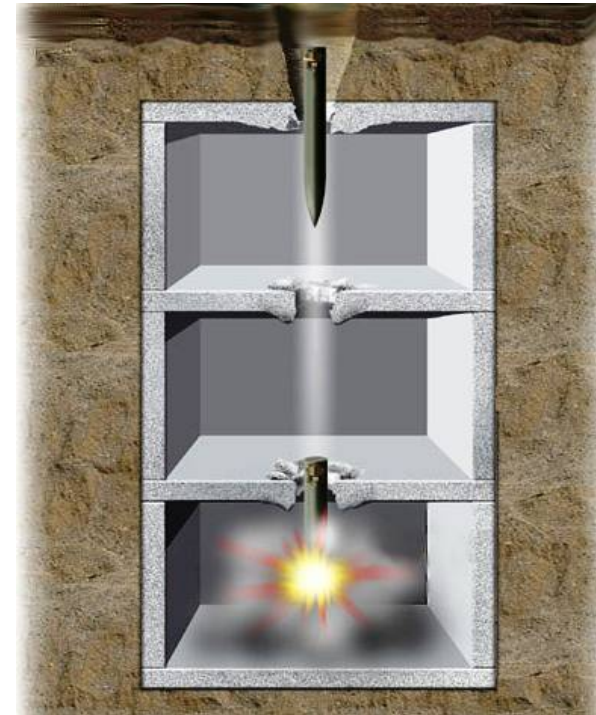
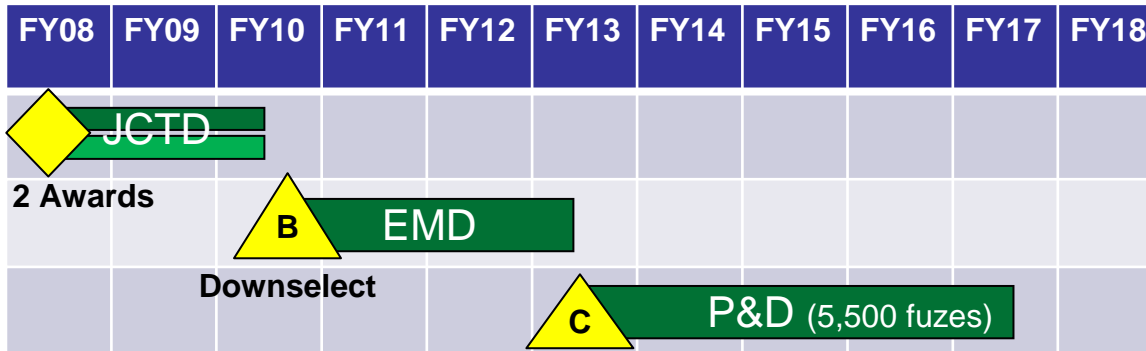
- Response to Urgent Operational Need
- Precision Laser Guidance Kit on GBU-38
- Ability to engage moving targets up to 70 mph
- Accuracy: 3m Stationary, 6m at 70 mph
- Field installable
- Mk-82, BLU-111, BLU-126 compatibility
- F-15E, F-16 Block 40/50, F/A-18A+/C/D
- Production: 400 Air Force, 400 Navy





Hard Target Void Sensing Fuze

- Capable of defeating hardened and deeply buried targets
- Capable of sensing multiple voids
- Capable of operating in hardened concrete
- Reprogrammable from aircraft cockpit





Small Diameter Bomb (SDB I)

- All-weather, autonomous, precision
- 250 lb class GPS/INS weapon
- Reduced collateral damage
- Flexible attacks with standoff ranges >50nm
- Increased loadout--multiple strikes per sortie
- Cockpit-selectable electronic fuze
- F-15E can receive or self generate coordinates



BRU-61



SDB Focused Lethality Munition (FLM)

- FY06 Out-of-Cycle JCTD
- CENTAF urgent need
- Low collateral damage variant of SDB
- Precisely delivers lethal blast
- Soft targets at risk w/ reduced collateral damage



SDB I Hardware Attaches
to FLM Composite Case



- New Technology*
- Composite Case Warhead
 - Multi-Phase Blast Explosive
 - Blast Only



Directed Energy

- Speed of light weapon
- Scalable effects
- Reduced collateral damage



Advanced Tactical Laser

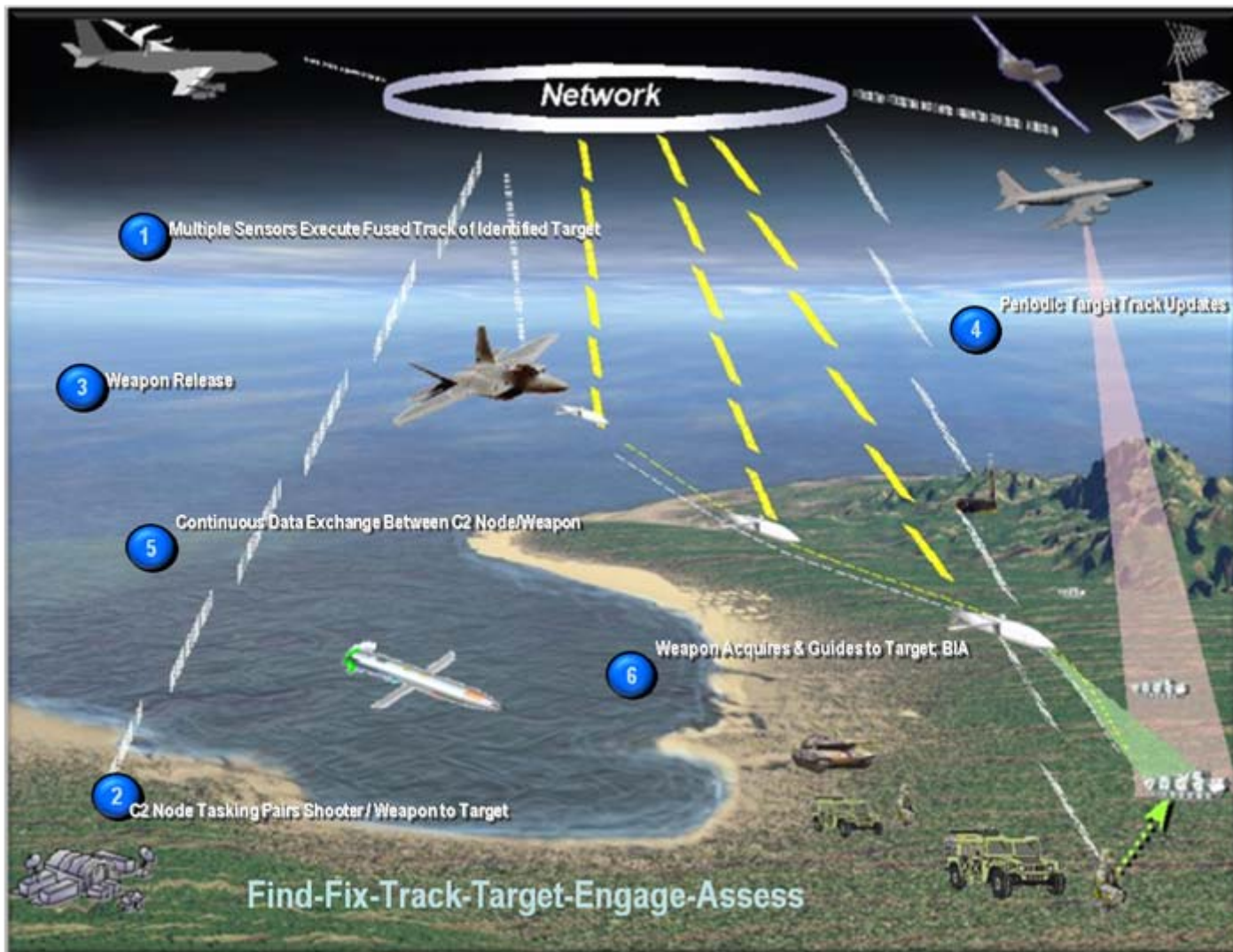


Active Denial System





Integration Capabilities

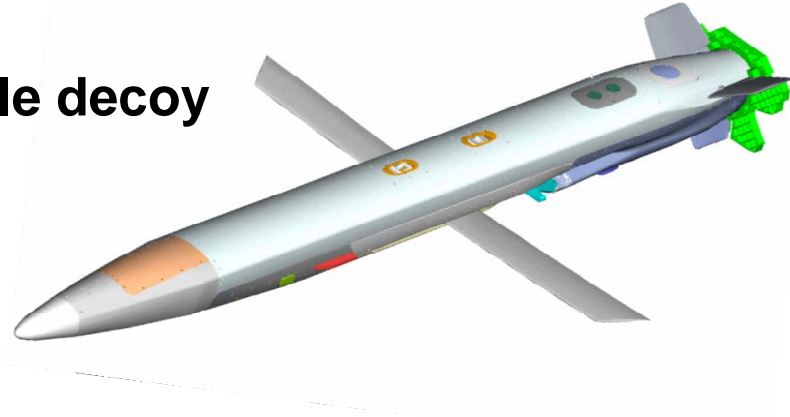




Miniature Air Launched Decoy (MALD) MALD Jammer (MALD-J)

MALD

- Small, low-cost, air-launched, expendable decoy
- Stimulates integrated air defenses
- Emulates fighter/attack/bomber
- Increases enemy's "Fog of War"



MALD-J

- Adds jammer and retains decoy capability
- Degrades EW/GCI/ACQ radar tracks

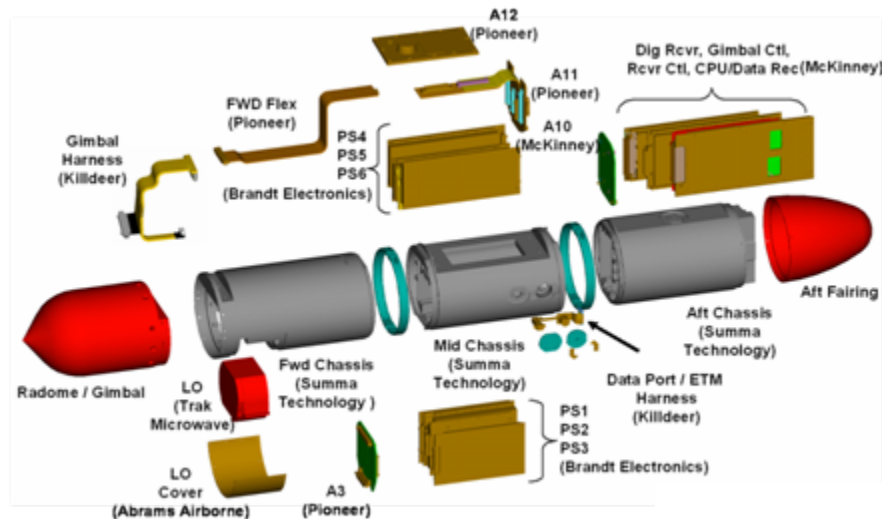


	FY08	FY09	FY10	FY11	FY12	FY13	FY14
MALD	C	P&D (600 vehicles)					
MALD-J		RR II					
			B	EMD			
				C	P&D		



HARM Targeting System (HTS)

- Single Ship HARM Targeting
- Multi-ship PGM Targeting
- Time Critical Targeting
 - Targeting mobile SAMs
 - Protecting strike packages
- Increased Detection Range



Network Enabled Weapons



WDLN ACTD

JSuW JCTD

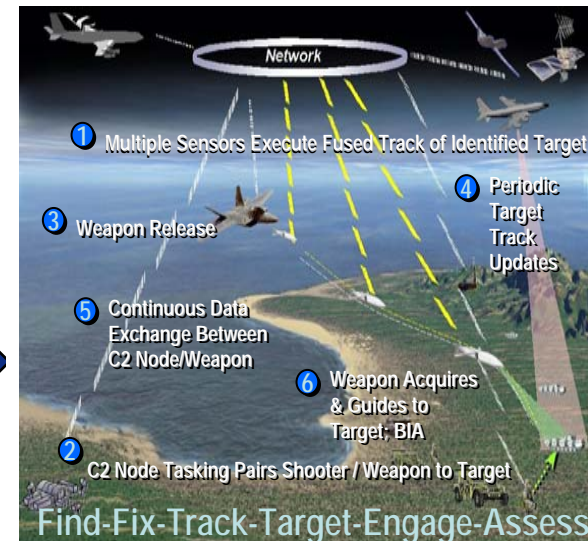
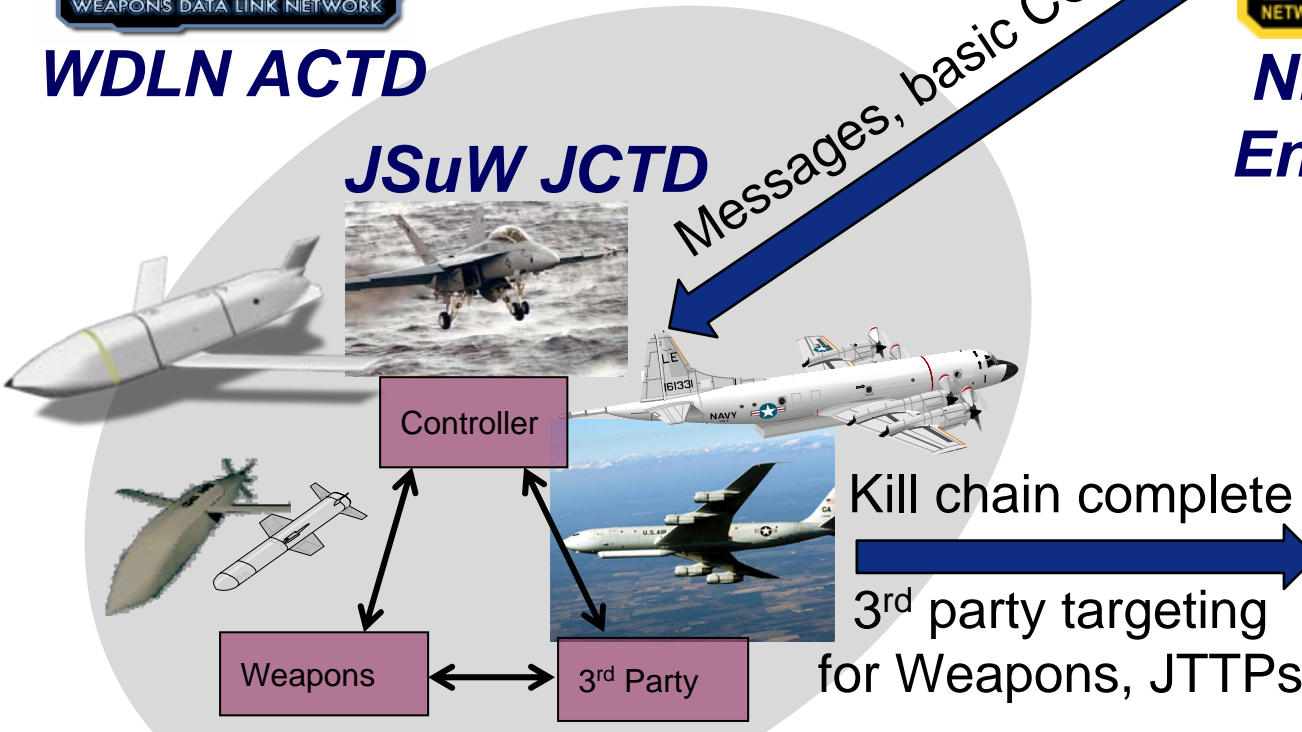
Common Network Interface/Messages

Messages, basic CONOP



NEWIWG Enterprise

Promoting Interoperability among Weapons and networked systems

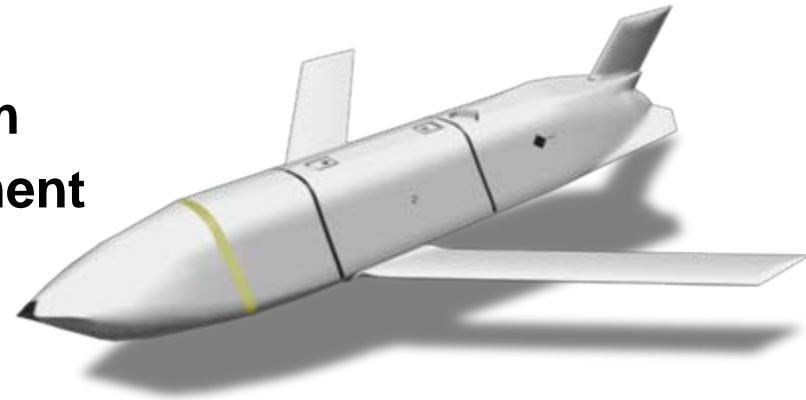


Goal: Any Targeting Asset, Any Weapon



Joint Air to Surface Stand-off Missile (JASSM)

- **Stealthy cruise missile**
- **Precision guided vs. high value targets**
- **Autonomous Launch and Leave >200nm**
- **Survivable in advanced threat environment**
- **Guidance: Inertial Navigation / GPS**
- **F-16C/D, B-1B, B-2A, B-52H**





JASSM Extended Range (JASSM ER) JASSM Anti-Surface Warfare (JASSM ASuW)



AGM-158B

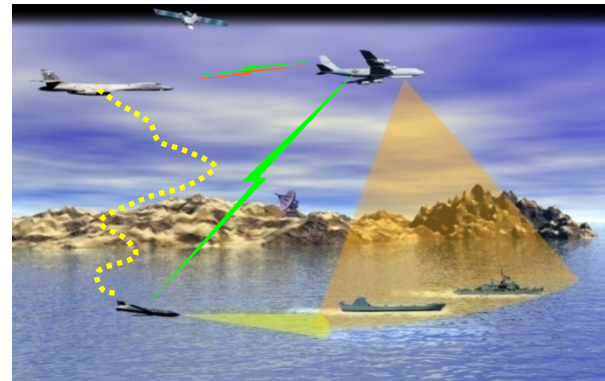
ASSM ER

- extends range to > 500 nm

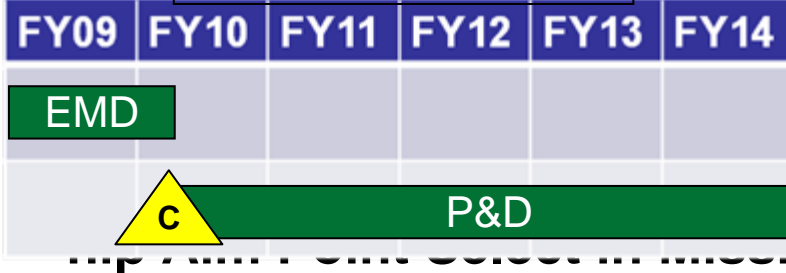
ASSM ASuW

- ability to engage moving ships

Communicates with JSTARS

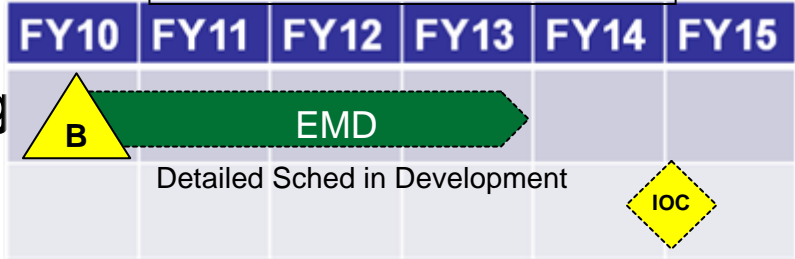


JASSM ER Schedule



tracking

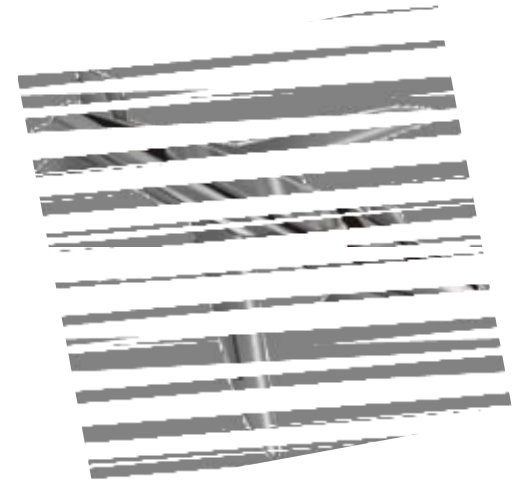
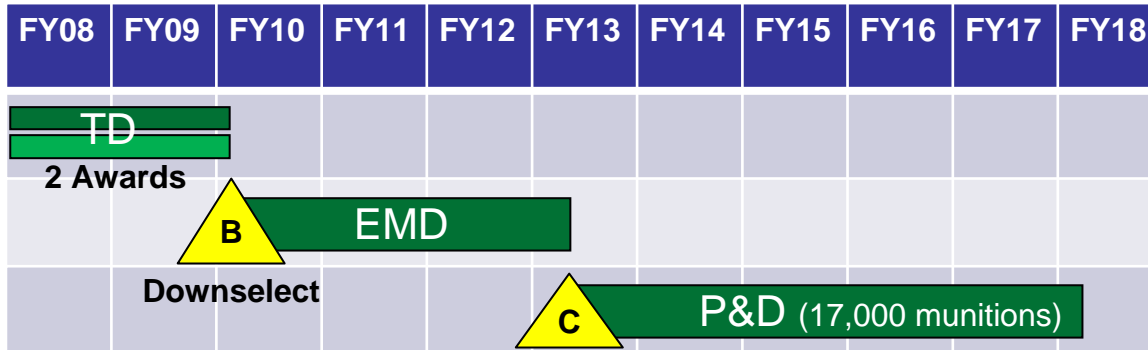
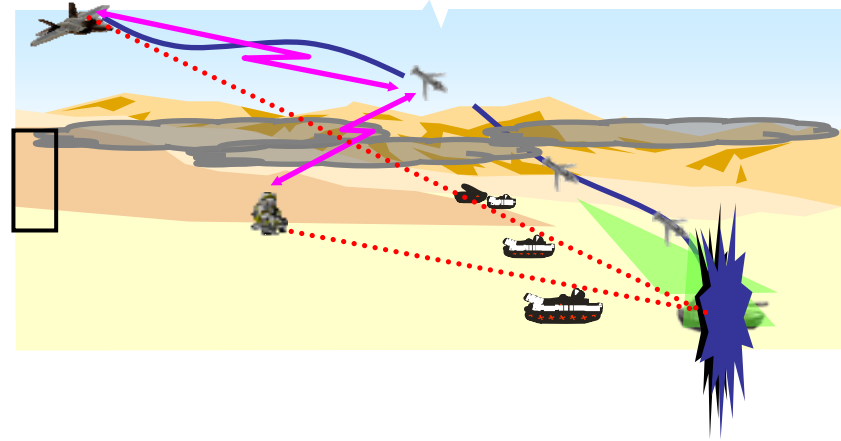
JASSM ASuW Schedule





Small Diameter Bomb II (SDB II)

- Capable against moving targets
- Compact, all weather, standoff weapon
- INS/GPS guided, precision weapon
- Multi-mode seeker





War-winning Capabilities ...

... On Time, On Cost

