

# Javelin Sustainment



CLOSE COMBAT WEAPON SYSTEMS  
PROJECT OFFICE  
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"One Shot – One Kill"

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# Agenda



- System Elements Supported
- Javelin Sustainment Concept
- Javelin Performance Based Logistics
- Lessons Learned





# Javelin Weapon System



## Round

- Disposable Launch Tube Assembly Containing Missile
- Fire and Forget Missile
- Dual Attack Modes
- Tandem Warhead
- Soft Launch Feature
- 10 Year Shelf Life



## Command Launch Unit (CLU)



M98A1



M98A2

- Integrated Day/Thermal Sight
- Thermal Sight, Dual Field of View
- Stand Alone Surveillance Capability
- 4 Hour Continuous Operation
- Full BIT/BITE
- CAT III

## Training Devices



Field Tactical Trainer (FTT)



Basic Skills Trainer (BST)



Missile Simulation Round (MSR)





# Javelin Location Summary



## Tactical Force Structure

Unit Type
Infantry Brigade Combat Team (Active Army)
Infantry Brigade Combat Team (ARNG)
Armored Brigade Combat Team (Active Army)
Armored Brigade Combat Team (ARNG)
Korea Rotation Brigade
Stryker Brigade Combat Team (Active Army)
Stryker Brigade Combat Team (ARNG)
ARNG Infantry Tactical Combat Forces
ARNG Combined Arms Battalion Tactical Combat Forces
ARNG Special Operations Forces
Army Battalion Task Force
ARNG Special Operations Forces
Ranger Battalions

## Locations Supported (CLU)

Component	CONUS	OCONUS
Army	21	6
ARNG	44	4

## Locations Supported (FTT)

Component	CONUS	OCONUS
Army	15	6
ARNG	38	3





# Javelin Command Launch Unit (CLU) Support Concept Overview



## Organizational

- Perform Preventive Maintenance Checks & Services (PMCS)
- Run Internal Built-in-test (BIT)
- Replace CLU Battery



Historic Operational  
Readiness Rate  
> 98%

## Direct Support

- MOS 94A runs IBIT and Maintenance BIT (MBIT)
- If External CLU Failure:
  - Remove and replace external CLU items from ASL
  - Return CLU to unit.
  - Requisitions free issue replacement item from contractor (Javelin Joint Venture (JJV))
- If internal CLU failure:
  - Return unserviceable CLU to depot for repair
  - Coordinated movement of assets with JJV
  - Integrated Technical Operations Center (1-888-JAV-ITOC) and PM CCWS.

## Depot

- Contractor manages all supply chain elements (PHS&T)
- Evacuation of end item to depot and back to customer.
- Repair of CLU



Field Level

Sustainment Level





# Javelin Support Flow



Any Warfighter - Anywhere - All The Time





# Javelin Performance Based Logistics (PBL)



## PBL Structure

- **Lifecycle Contractor Support (LCCS)**
  - 2 Year Contract
  - CLINS – Firm-Fixed Price and Cost Plus Fixed Fee
- **Prime: Javelin Joint Venture (JJV) (Raytheon & Lockheed-Martin)**
- **JJV partners with Letterkenny Army Depot (LEAD)**
  - Sustains core CCA repair capabilities
  - Defined by Partnering Agreement between JJV and LEAD

## Lifecycle Contract Support (LCCS)

- Lifecycle Support During Peacetime & War
  - Command Launch Units (CLU)
  - Training Devices (TD)
- Maintenance Support/Depot Repair
- Supply Chain Mgmt (Depot & Replenishment Spares)
- Transportation (Foxhole – Depot – Foxhole)
- Depot-Forward Support
  - Korea (CLU & TDs) and Ft. Irwin/NTC (TDs)
- Hardware/Software Modifications
- ILS Management and Technical Support
- Integrated Technical Operations Center – (24/7)
  - Transportation Coordination, IT, Customer Support

## Customers

- **Domestic**
  - US Army
  - Army National Guard
  - USMC
- **International**
  - Australia
  - Czech Republic
  - Indonesia
  - France
  - Jordan
  - United Kingdom
  - New Zealand
  - Taiwan
  - Ireland
  - Lithuania
  - Norway
  - Oman
  - UAE

## Army Metrics

### **CLU: Operational Readiness (≥ 90%)**

- First-to-Fight (SOF, Rangers, XVIII ABN) unit readiness measured at Battalion level.
- Brigade Level (other than First-to-Fight) & ARNG unit readiness measured at Brigade level.

### **Training Device Turn-Around-Time (TAT)**

- 20 Day TAT - National Training Center, Joint Readiness Training Center, Joint Multinational Readiness Center & Korea
- 30 Day TAT – OCONUS
- 40 Day TAT – CONUS





# Summary of Support



- **ILS Management**
  - Program Planning
  - Contract Execution
  - Program Review Support
  - Resource Allocation
- **Provisioning**
  - Spares Forecasting & Procurement
  - Spares Page & Line Status
- **Supply Chain Management**
  - Bonded Stockrooms
  - CAT III Storage
  - Total Asset Visibility
  - HAZMAT Compliant
- **24/7 Support (ITOC)**
  - Central Contact Point
  - Web-Based Communication Hub
  - Direct access to Javelin JV expertise
  - IT Support
- **Transportation**
  - OCONUS LightSpeed Coordination
  - CONUS shipments
  - OIF/OEF In-Theatre Support
  - GPS Tracking
- **Maintenance Support**
  - Repair & Return
  - Retrofit Activity
  - Fielding Support
- **Training & Tech Pubs**
  - Live Fire Support
  - Gunner & Maintenance Training
  - IETM Updates
  - Program of Instruction (POI) Updates
- **Product Assurance**
  - Final Sign Off on Repairs
  - Source Inspection
  - Calibration Management
  - Process Oversight
- **Field Failure Correct Action Team (FFCAT)**
  - Trend Analysis
  - Corrective Action
- **Data Management**
  - Data Items (CDRLs Mgt/Release)
  - Software Library
  - Change Board





# Lessons Learned



## Reduction of Operating and Support Cost

- In 2012 an IPT was formed between CCWS and JJV to concentrate on streamlining the follow-on LCCS PBL contract with a focus on affordability and flexibility.
- IPT assessed and adjusted contract metrics
- Modeling strategy:
  - Used detailed demand data from the previous LCCS contract (2009-2013) vs directed OPTEMPO and reliability failure projections.
  - Allowed for accurate supportability predictions
  - Significantly modified/reduced manpower, transportation and material required to execute the contract
- IPT restructured the CLINs to provide optional FFP support for repair of CLUs and Training Devices (TD).
  - US Army Brigade level and ARNG support is organized into 4-band levels
  - Funding levels and repair activity are synchronized
  - Allows for effective management and execution during budget uncertainty
- Restructuring of the PBL Contract for FY 14-15 resulted in a dramatic per year contract cost reduction for the USG.
  - Javelin PBL experienced ~48% annual cost reduction
  - Maintained high readiness rates

