



# TACOM

Lethality, Survivability, Mobility and  
Sustainment for America's Army

UNITED STATES ARMY  
**NAC**  
NATIONAL AUTOMOTIVE CENTER

## Future Tactical Truck System (FTTS) Advance Concept Technology Demonstration (ACTD)

*Presented To:*  
**FTTS Industry Day**  
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# Background

- **Hon Michael Wynne, Principle Deputy, Acquisition, Technology, and Logistics, OSD requested TARDED/NAC develop an ACTD**
  - First for HE Technology on Legacy Platforms, then expanded to FTTS
- **Secretary White briefed on 12 Jul 02.**
- **Gen Kern briefed on 26 Jul and 25 Oct 02.**
- **Formed partnership with CASCOM/Chief of Trans in Aug 02**
- **Coordinated actions with:**
  - DA, USAF, USN, USMC, PACOM, JFCOM
- **ACTD Proposal Submitted to OSD on 15 Oct 02**



# What is an ACTD?



- A **Joint Effort** by the Acquisition And Operational (Warfighter) Communities
- **Identifies** Significant Military Needs, then **Matches** them with Technology Programs
- Emphasis on Near-term Responses to **Validate** Joint Military Needs
- **Must Be** Affordable, Interoperable, Sustainable, and Capable of evolving as the Technology and Threat Changes
- **Objective is Met** by Developing Fieldable Prototypes of the Proposed Capability and providing those Prototypes to the Warfighter for evaluation
- Warfighter **Accesses** the Military Utility through **Realistic** Military Exercises
- Combat Developer **Evolves** the ORD into a more definitive set of operational requirements that can support a follow-on acquisition

A Key Part of the Evolutionary Acquisition Approach



# Why an FTTS ACTD?

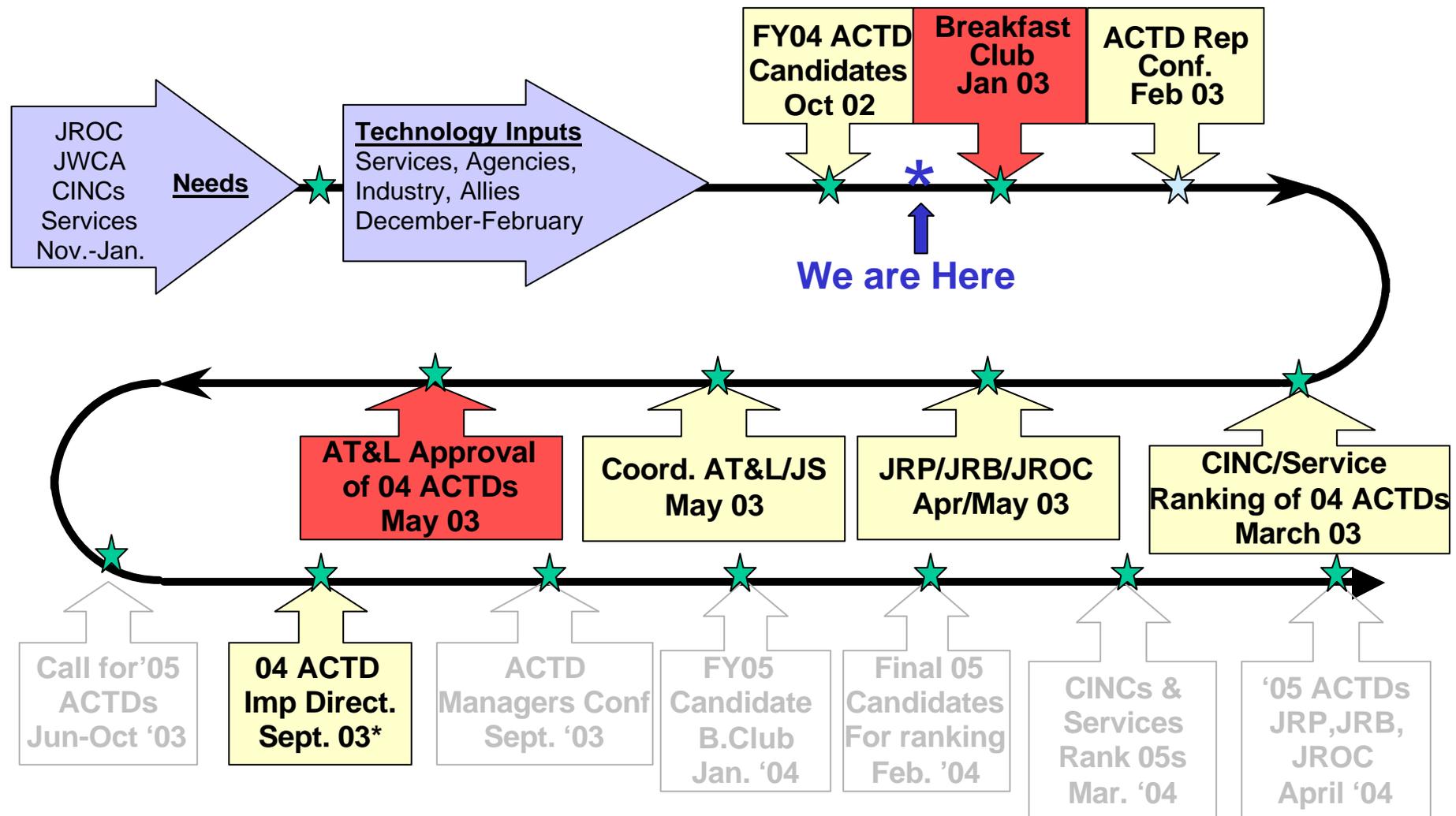


- **Provides a Near-Term Operational Solution to the Warfighter**
  - Deployable on all Transport Systems
  - Roll-on/Roll Off Capable
  - Increased Range
  - Rapidly Move and Distribute Cargo
  - Traverse All types of Terrain
  - Requires less Consumables
  - On-Board Power
- **Supports Reduction of the Logistics Footprint**
- **Exercises Advancing Automotive/Smart Distribution Technologies in Emerging Operational concepts**
  - Hybrid Technologies
  - Advance Structures
  - Modular Platforms
  - Communications Technologies
  - Load handling Systems/Modular Platforms
  - Crew Protection
- **Will Help Reduce PM's Risk in System Development and Demo Phase**

**Provides Warfighter a Seamless Intermodal Distribution System**



# Where are we in the ACTD Selection Process?



Services will know JROC approved ACTDs in time for Service '05 POM Process

Source: DUSD(ASC)



# What Can Industry Do?



- **Provide the Best Industry Effort to Develop a Multi-capable Modular Vehicle**
- **Put Emphasis on Multi-modal Cargo Operations and Hybrid Propulsion**
- **Help Uncover Technological Unknowns**
- **Help Refine Operational Concept(s) and Requirements**
- **Partner With DoD to Provide the Best Tactical Truck System for Our Warfighters**

**Partnership to Support Our Warfighters in Time of Need**



# Summary



- FTTS ACTD Proposal Submitted to OSD
- Objective is to Provide Warfighter a Seamless Intermodal Distribution System
- Briefing to OSD Jan 03. Approval Decision May 03
- Plan to have 7 Maneuver Sustainment Platforms, and 10 Utility Platforms
- Target Demo Site is SBCT
- Will Support Reduction of Log Footprint, and Help Reduce PM's Risk in SDD

**Provides a Near-Term Operational Solution to the Warfighter**