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?

Needs
- JROC
- JWCA
- CINC's
- Services
- Nov.-Jan.

Technology Inputs
- Services, Agencies
- Industry, Allies
- December-February

FY04 ACTD Candidates
- Oct 02

Breakfast Club
- Jan 03

ACTD Rep Conf.
- Feb 03

*We are Here

AT&L Approval
- of 04 ACTDs
- May 03

Coord. AT&L/JS
- May 03

JRP/JRB/JROC
- Apr/May 03

CINC/Service
- Ranking of 04 ACTDs
- March 03

Call for’05 ACTDs
- Jun-Oct ‘03

04 ACTD Imp Direct.
- Sept. 03*

ACTD Managers Conf
- Sept. ‘03

FY05 Candidate
- B.Club Jan. ‘04

Final 05 Candidates
- For ranking Feb. ‘04

CINC’s & Services
- Rank 05s Mar. ‘04

‘05 ACTDs
- JRP, JRB, JROC
- April ‘04

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