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<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2a Exhibit)</b>						DATE: February 2003		
APPROPRIATION/BUDGET ACTIVITY Defense Wide RDT&E,D BA6						R-1 ITEM NOMENCLATURE Foreign Comparative Testing (FCT) PE 0605130D8Z		
COST ( <i>In Millions</i> )	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
Total Program Element (PE) Cost	34.839	26.873	34.873	35.705	36.221	36.807	37.641	38.335

**A. Mission Description and Budget Item Justification**

The mission of the FCT program is to test and evaluate foreign non-developmental items (NDI) identified by the Services and Combatant Commanders in order to avoid costly and time-consuming U.S. new start acquisition programs. The FCT program is Congressionally mandated in Title 10, USC, Section 2350a. FCT tests and evaluates conventional defense equipment, munitions, and technologies manufactured and developed by major allies of the United States and other friendly foreign countries to determine the ability of such equipment, munitions, and technologies to satisfy United States military requirements or to correct operational deficiencies. While the testing of NDI and items in the late state of the development process are preferred, the testing of equipment, munitions, and technologies may be conducted to determine procurement alternatives. FCT projects are nominated by the Services and U.S. Special Operations Command (SOCOM) each year and submitted to Congress for approval prior to obligation of funds.

This Research Category 6.5 is assigned and identified in this descriptive summary in accordance with existing DoD policy.

**B. Program Accomplishments and Plans**

**FY 2002 Accomplishments:** (FY2002 new starts & continuing projects)

Funded the following new or continuing foreign system tests and evaluations and/or technology assessments:

- Completed Advanced Lightweight Grenade Launcher Ammunition
- Completed Airborne Video Recorder/Replay System
- Completed Bradley Fighting Vehicle Long-Life Roadwheels
- Completed Chemical Protective Gloves
- Completed Driver's Vision Enhancer
- Completed Gunfire Detection System
- Completed High Mobility Excavator
- Completed High Performance Hydraulic Pump
- Completed Infrared Flare for C-17
- Completed Joint Protective Aircrew Ensemble
- Completed Large Aircraft Interior Decontamination
- Completed Less Sensitive RDX
- Completed Lightweight Aluminum Track for AAV
- Completed Lightweight Chemical Agent Detector

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- Completed Lightweight Diesel Driven Auxiliary Power Unit for AAV
- Completed Man Portable Multi-Sensor System
- Completed MC-130H Aerial Refueling System Pod
- Completed Multi-Bandwidth Submarine Antenna
- Completed Optically Improved SADA II
- Completed Parachute Leaflet Delivery System
- Completed Personal Temperature Regulation System
- Completed Plastic Practice Bombs
- Completed Prophet Ground
- Completed Retractable Arresting Cable System
- Completed Skin/Open Wound Decontamination
- Completed Star Tracker
- Completed Tactical Geographical Information System
- Completed VLF/LF Composite Bushing Replacement
- Continued Advanced Demolition Weapons
- Continued Floating Smoke Pot Components
- Continued MAAWS IR Illumination Round
- Initiated and completed 7.62mm Lightweight Machine Gun
- Initiated and completed Fiber Optic Security Fence
- Initiated and completed Laser Obstacle Detection System
- Initiated and completed Stand Alone Cooling Suit
- Initiated 40mm Dud Reducing Ammo
- Initiate Assault Breacher Vehicle Mine Plow and Lane Marking System
- Initiated Communications Distribution System
- Initiated Digital Flight Control System for EA-6B
- Initiated Eagle Vision Sensor Upgrade
- Initiated Infrared Decoy
- Initiated High Frequency Adaptive Antenna Receive System
- Initiated NBC Multi-purpose Sock
- Initiated Self-Destruct Fuze for Multiple Launch Rocket System
- Initiated Self-Regulating Anti-G Ensemble
- Initiated Silverized Kevlar

**FY 2003 Plans: (FY2002 Continuing Projects and FY2003 New Start Projects)**

Fund the following new or continuing foreign system tests and evaluations and/or technology assessments:

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- Complete Advanced Demolition Weapons
- Complete Assault Breacher Vehicle Mine Plow and Lane Marking System
- Complete Communications Distribution System
- Complete Eagle Vision Sensor Upgrade
- Complete Floating Smoke Pot Components
- Complete High Frequency Adaptive Antenna Receive System
- Complete Self Regulating Anti-G Ensemble
- Continue 40mm Dud Reducing Ammo
- Continue Digital Flight Control System for EA-6B
- Continue Infrared Decoy
- Continue MAAWS IR Illumination Round
- Continue NBC Multipurpose Sock
- Continue Self Destruct Fuze for Multiple Launch Rocket System
- Continue Silverized Kevlar
- Initiate and complete High Rate-of-Fire .50 Caliber Machine Gun
- Initiate and complete Body Armor Flotation Vest
- Initiate and complete Body Worn Radar Receivers
- Initiate and complete Corona Monitoring System
- Initiate and complete Man Portable Intrusion Detection System
- Initiate and complete Shipboard Anti-Jam GPS Antenna
- Initiate 40mm Enhanced Grenade Launcher for M4 Carbine
- Initiate 105mm Preformed Fragments
- Initiate 155mm Ammunition
- Initiate Ballistic Armor for Helicopters
- Initiate Deployable Instrumentation for MAGTF Training System
- Initiate Eye-Safe Laser Rangefinder for M1A1 Main Battle Tank
- Initiate Fuel Cells for Dismounted Soldier Systems
- Initiate Global Cellular Phone Optimization
- Initiate Improved Specific Emitter Identification System
- Initiate Man Portable SATCOM System
- Initiate Missile Reserve Battery Replacement
- Initiate Rayon for Heatshield and Motor Nozzles
- Initiate Replacement Structures for Aircraft
- Initiate Small Bundle Resupply System
- Initiate Special Effects Small Arms Marking System
- Initiate Underwater Communication and Tracking System for Submarines

**FY 2004 Plans: (FY2003 Continuing Projects)**

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Fund approximately 44 new or continuing foreign system tests and evaluations and/or technology assessments to include:

- Complete 40mm Enhanced Grenade Launcher for M4 Carbine
- Complete 105mm Preformed Fragments
- Complete 155mm Ammunition
- Complete Ballistic Armor for Helicopters
- Complete Deployable Instrumentation for MAGTF Training System
- Complete Digital Flight Control System for EA-6B
- Complete Fuel Cells for Dismounted Soldier Systems
- Complete Global Cellular Phone Optimization
- Complete Improved Specific Emitter Identification System
- Complete Infrared Decoy
- Complete MAAWS IR Illumination Round
- Complete Man Portable SATCOM System
- Complete Missile Reserve Battery Replacement
- Complete NBC Multipurpose Sock
- Complete Rayon for Heatshield and Motor Nozzles
- Complete Replacement Structures for Aircraft
- Complete Silverized Kevlar
- Complete Self Destruct Fuze for Multiple Launch Rocket System
- Complete Small Bundle Resupply System
- Complete Special Effects Small Arms Marking System
- Complete Underwater Communication and Tracking System for Submarines
- Continue 40mm Dud Reducing Ammunition
- Continue Eye Safe Laser Rangefinder for M1A1 Battle Tank
- Initiate and complete Cleaner Burning Stores Release Cartridges
- Initiate and complete Wireless LAN Monitoring System
- Initiate High Temperature Protective Coating for Gas Turbine Engines
- Initiate Resilient Abrasive Resistant Skirt for LCAC
- Initiate Ultra Light Aero Diesel Engine

**FY 2005 Plans: (FY2004 Continuing Projects)**

Fund approximately 44 new or continuing foreign system tests and evaluations and/or technology assessments:

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- Complete 40mm Dud Reducing Ammo
- Complete Eye Safe Laser Rangefinder for M1A1 Main Battle Tank
- Complete High Temperature Protective Coating for Gas Turbine Engines
- Complete Resilient Abrasive Skirt for LCAC
- Complete Ultra Light Aero Diesel Engine

**C. Other Program Funding Summary:** N/A

**D. Acquisition Strategy:** N/A