

# 2005 REQUIREMENTS SYMPOSIUM



**BREAKOUT TOPIC:  
B-1B Engine Sensor  
Simulator Test Set**

**542d  
Combat Sustainment  
Group (CSW)**

**Mary Stevenson, Program Manager**



# Overview



- Brief Program / Issue Description
- Current Status of Program / Issue
- Acquisition & Sustainment Strategy
- Program Requirements - Program Requirements Roadmap
- Program Budget
- Program Challenges/Opportunities
- Areas / Issues Needing Improvement or Assistance
- Government Focal Points
- Summary



# Brief Program / Issue Description

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- The Engine Instrument Test Set tests engine sensors and display instruments.
- The B-1B is experiencing DMS and parts obsolescence - particularly the Engine Indicating Test Set.



# Current Status of Program / Issue

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- The panel meter within the test set needs replacing, but the part is no longer procurable.
  - A replacement meter is desired as an interim solution although it will not be the optimal solution
  - Other components can also fail that cannot be replaced
- To accommodate the new meter with a different electrical configuration, the electrical configuration of the test set will need to be modified to accommodate the new meter.
- The only alternative is to buy all new test sets
- We have been working to get this test set supportable for over two years with little progress.
- Immediate resolution necessary



# Acquisition & Sustainment Strategy



- Establish sustainment program to support current tester
  - Replace the primary “Bad Actor” component: the M2 Meter
    - May be only a 50% solution. More than half of the testers are believed to have panel problems
    - Other components in tester cannot be replaced
- Survey market for Tester replacement
  - Industry Day, Market Research Questionnaire, RFI



# Program Requirements Roadmap

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- Three Phased approach for “Panel Meter” replacement:
  - Phase 1: Identify a new meter that meets current and future requirements
  - Phase 2: Identify and recommend potential changes to Tester to meet future requirements
  - Phase 3: Installing a prototype meter in the Tester and conduct necessary tests
- Identify “Tester” replacement
  - Conduct Operational Test
  - Field new testers



# Program Budget



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	<u>Acquisition</u>	<u>Sustainment</u>
FY 06	\$330K	\$ -0K
FY 07	\$786K	\$250K
FY 08		\$86K
FY 09		\$250K



# Government Focal Points

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- Mary Stevenson, PM, (478) 222-1869
- Stephen Graves, Engineer, (478) 222-1727
- Oscar Bridges, Equipment Spec.,(478) 222-3946
- Russell Turner, Item Manager, (478) 222-1703
- Ashlee Calhoun, Contracting Officer, 222-1921
- Betty Miller, PMS Seller, (478) 222-1753
- Earlene Garrison, PMS Buyer, (478) 222-1715



# Summary

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- Primary issue for B1-B Commander is to get the Tester serviceable and then replaced.
- Insert new technology to make the tester supportable
- Identify new replacement tester