

542d Combat Sustainment Wing



FY10 Benchtop Reconfigurable Automatic Tester (BRAT®) Requirements

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Overview



542d COMBAT SUSTAINMENT WING

- **Team**
- **Background**
- **Present Locations**
- **Current Sustainment**
- **Sustainment Issues**
- **Future Sustainment Plans**
- **Questions**





BRAT® ***Integrated Product Team*** ***742 CBSG (ATS PGM)***



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- Flight Chief – Thomas Rodriguez (478) 222-2117

- Program Manager – James Annis (478) 222-2167

- Engineer – Hyatt Baker (478) 222-2079

- Equipment Specialist – Robert Tinney (478) 222-2135

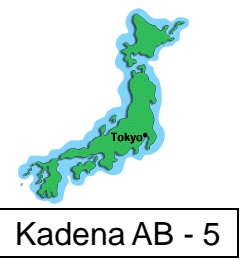
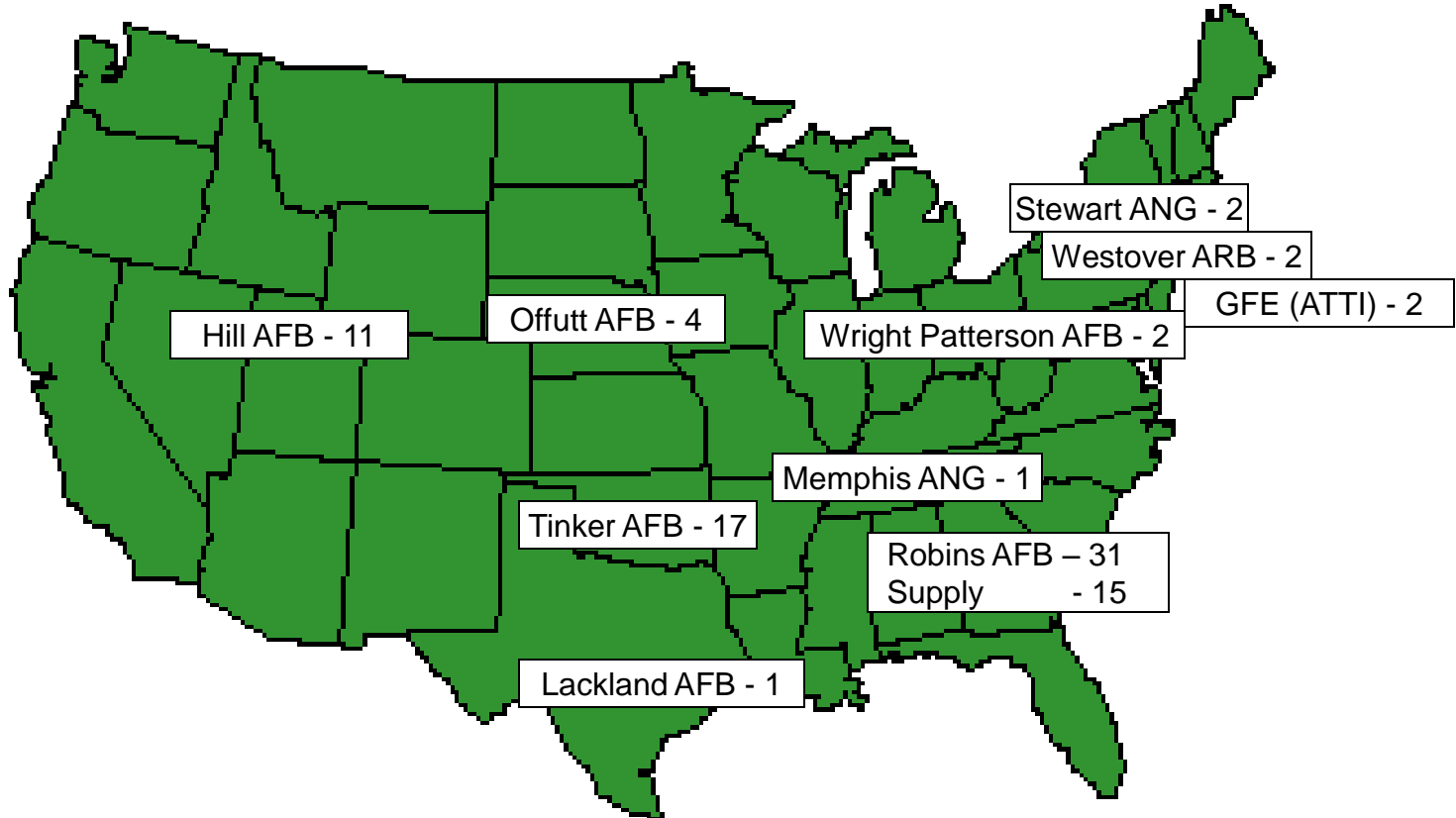
- Inventory Manager – Joyce Temple (478) 222-0322

- SEEC – Edwin Waller (Team Lead) (478) 327-3593



Present Locations

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BRAT® Background



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- Collection of Commercial-Off-the-Shelf instruments and components installed in multi-bay chassis supporting C-5, E-4, E-6, E-8, F-15, & KC-135 platforms





BRAT® Background



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- Analog, digital, and radio frequency (RF) testing capabilities
 - 93 testers broken down into multiple configurations
 - Designed for testing line replaceable (LRU) and shop replaceable units (SRU)
 - Diverse LRUs
 - C-5 Roll/Yaw Proximity Warning System Computer (PACS)
 - E-3 Transmit Phase Detector
 - E-8 RF Amplifier/High Power Combiner (HPC)
 - Joint Tactical Information Distribution System (JTIDS)



Present Sustainment



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➤ ICS Contract with ATTI

- Five Year Contract expires 31 August 2010
- Firm Fixed Price - Technical Support
- Firm Fixed Price - Repair Transactions for Tester Replaceable Units (TRU)
- Firm Fixed Price - Consumables



Current Sustainment Issues



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➤ Obsolescence

• Agilent

- Local Oscillator
- IF Section (100KHz to 3MHz)
- Power Meter
- RF Section
- Pre-Amp
- Microwave Network Analyzer

Power Sensor

IF Section (10Hz to 300KHz)

Digitizing Oscilloscope

MMS Mainframe

Precision Reference Frequency

• Elgar

- AT8000 Frame
- 0-20 VDC Module
- 0-320 VDC Module
- 0-60 VDC Load

0-7 VDC Module

0-32 VDC Module

0-160 VDC Module

• Excalibur 1553 Bus Analyzer

➤ Proprietary Software - TCASE®



Future Sustainment Plans



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- Exploring a Competitive Performance Based Logistics (PBL) Contract to sustain BRAT® Test Replaceable Units (TRU's)

- Logistics Functions assigned to the contractor
 - Repair of TRUs
 - Transportation of Serviceable TRUs
 - Management of Obsolescence
 - Spare replenishment
 - Item Management functions

- Business Case Analysis (BCA) in review



PBL Timeline



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➤ Aggressive Timeline

- Acquisition Strategy Plan Nov 09
- Complete PR Package Dec 09
- Synopsize Jan 10
- Proposal due by Contractors Mar 10
- Contract Award – Anticipate Jun 10



Summary



542d COMBAT SUSTAINMENT WING

- BRAT ® is an important part of the Air Force ATS inventory
- Critical to have a viable, affordable, responsive sustainment plan
- Future support structure may include PBL



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QUESTIONS?

