



# ***2005 Technology White Paper Results & 2006 White Paper Call***

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# Overview



*Warner Robins Air Logistics Center*

- Background
- Results
- Current Environment
- Technology Needs
- 2006 White Paper Call



# Background



*Warner Robins Air Logistics Center*

- WR-ALC Strategic Technology Plan (STP)
  - Center Effort to Focus Resources
    - EN as Center Focal Point for Tech Insertion
  - Initiated Technology Strategy Group (TSG)
    - Completed July 05
  - Top Technology Needs Identified by Sr Engr Mgmt
    - Oct 05
  - STP Approved by CC 23 Mar 06
  
- Requirements Symposium – Nov 05
  - Identified Center Top Technology Needs to Industry
  - Solicited White Papers to Provide Solutions
  - No Promise of Funding Provided
  - Cut-off Date for Receipt of Papers 16 Jan 06



# White Papers



*Warner Robins Air Logistics Center*

- One Page Description of a Solution to Unfunded WR-ALC Top Technology Needs
  
- Process:
  - Received 68 White Papers
  - Individual Reviews by 30+ Technical Experts
  - Followed by Team Review
    - Objective Criteria: Soundness, Cost Savings, Applicability
  - 26 Papers Selected for In-depth Briefings



# Results



## Warner Robins Air Logistics Center

Need	Results
Crack and Corrosion Detection	Funding constrained though one technology was desirable but needed further development.
Development of Special Coatings	Crown skin samples sent to contractor for a crack-detecting coating. 1 FY07 SBIR Topic
Reduce Coating Removal Time	Minimal interest in the technologies after presentation details.
Obsolescence Management	Upgrades to the obsolescence databases in conjunction with submission.
Aircraft Subsystem Diagnostics	Technologies were neither novel or applicable, but info was used to write a joint CCD.
Bonded Repair Technology	Looking at solutions for some problems. 3 FY07 SBIR topics
Improve System 463L Cargo Handling Technologies	Two contractors submitting prototypes for a Battlelab project
Avionics Depot Technology Insertion	Funding constrained though a technology was desirable.
Maintenance Shop Improvement	Minimal interest in the technologies after presentation details.
Improve High Power Amplifiers for Legacy Electronic Warfare Systems	Funding constrained though a technology was desirable.



# The Environment



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## ➤ Aging Depot and Weapon Systems Need Modernization

- Aging Infrastructure
- Service Life Issues
  - Aircraft
  - Aging Weapon Systems / Subsystems
  - DMSMS & Obsolescence
- Multiple Technology Insertion Programs
- Costs Increasing, Funding Steady
- Operations Tempo Accelerating Problems, Shortages



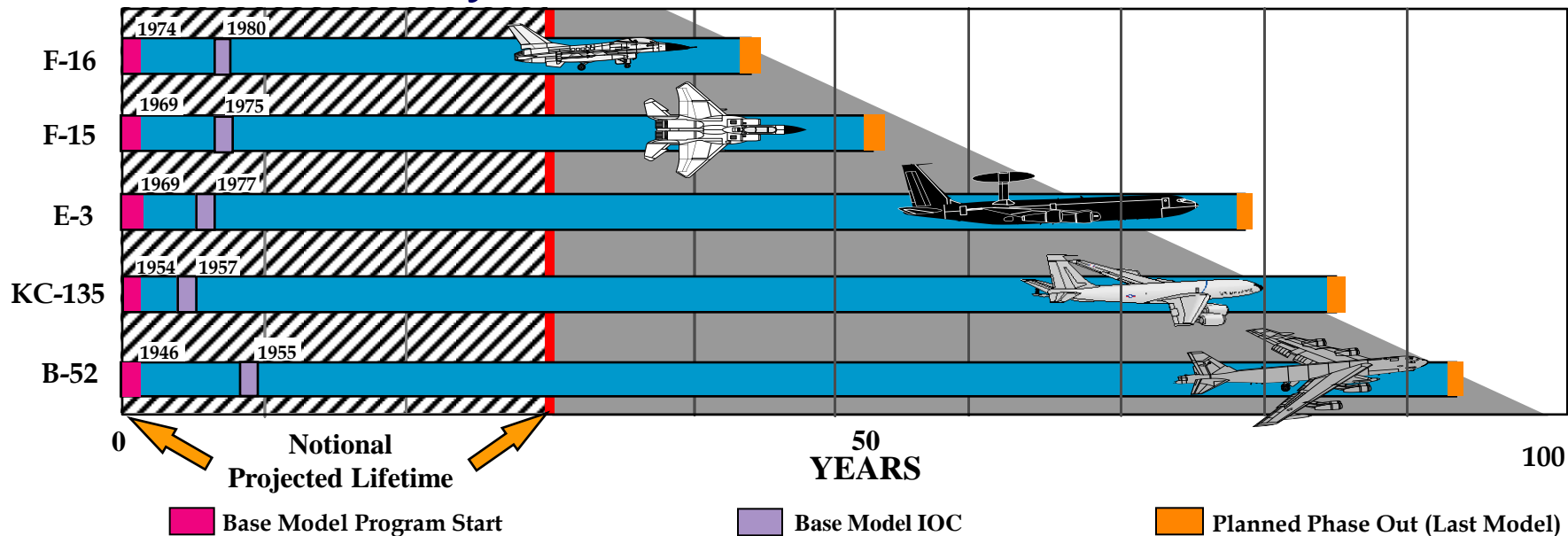


# The Environment



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## Aircraft Life Cycles



## Electronics Obsolescence



People First...Mission Always



# ***WR-ALC Top Technology Needs***



***Warner Robins Air Logistics Center***

- Crack and Corrosion Detection
- Development of Special Coatings
- Reduce Coating Removal Time
- Obsolescence Management
- Aircraft Subsystem Diagnostics
- Bonded Repair Technology
- Improved System- 463L Cargo Handling Technologies
- Avionics Depot Technology Insertion- FPGA & SMT
- Maintenance Shop Improvements
- Improve High Power Amplifiers for Legacy Electronic Warfare Systems
- Improve Basic Expeditionary Airfield Resources (BEAR) Support Infrastructure Technologies

***Details Found in  
STP located on  
Req Symp Website***



# 2006 Call For White Paper Proposals



Warner Robins Air Logistics Center

- Proposition: Allow industry to submit potential technology solutions to existing ALC challenges
  
- Technology White Paper Review
  - Need Details in Sect 4 of STP on the RS website
  - Please Send all 1-page White Papers to:  
[technology.proposals@robins.af.mil](mailto:technology.proposals@robins.af.mil) by **19 Jan 2007**
  - EN will provide Contact for Specific Questions
  - EN will gather white papers, then vet with topic POC

*Disclaimer: Information submitted by industry in response to these technology needs will not be disclosed outside of the Government. Development and submission of white papers, and any resultant briefing and/or presentation, is not funded by the Government. Presentation of these technology needs to industry by Warner Robins Air Logistics Center does not obligate the Government to pursue any proposed solutions.*



# Summary



*Warner Robins Air Logistics Center*

- ALCs Have Challenges that may Find Technical Solutions
- EN is Center Facilitator for Strategic Technology Plan
  - Wings Own the Needs
- Center Technology Strategic Plan Defines Needs
- You Have the Opportunity to Answer our Needs!
- Other Technology Opportunities
  - Other Breakout Sessions
  - Opportunities Brochure



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# Discussion/Questions