

# *Warner Robins Air Logistics Center*

**AFMC**

WARNER ROBINS AIR LOGISTICS CENTER



## **Small Diesel Flight Line Air Conditioner**

**642d  
Combat Sustainment  
Group (CSBG)**

**Briefer: Paula Fleming  
Chief, Aerospace Ground Equipment Flight**



# Combat Sustainment Wing

## Small Diesel Flight Line

### Air Conditioner

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- Program Description
- Current State of Program
- Acquisition Strategy
- Program Requirements
- Challenges/Opportunities
- Testing
- Government Focal Points
- Questions



# Combat Sustainment Wing

## Small Diesel Flight Line

### Air Conditioner

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## Program Description

- Requirement for procurement of a small, diesel-driven, air conditioner
- Provides ventilation or conditioned air for ground testing of aircraft equipment and for personnel comfort during maintenance
- Users: ANG, ACC, AFSOC, AMC, MTC, PACAF, AFR



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**Current State of Program**

- Approval of Requirements Correlation Matrix (RCM) from HQ AFMC (Lead Command), 16 Oct 09
- Publish synopsis, Apr 10
- Release of solicitation, May 10



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**Acquisition Strategy**

- FY11 Funding (First Article only)
- 7 Year Requirements Contract
  - 2 Year Basic plus 5 one-year options
  - Firm, fixed price
- Procurement based on Purchase Description
- Grouped requirement for 4 small air conditioners into one buy
- Contract Award, Jan 11



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**Program Requirements**

	<b><u>FY10</u></b>	<b><u>FY11</u></b>	<b><u>FY12</u></b>	<b><u>FY13</u></b>	<b><u>FY14</u></b>	<b><u>FY15</u></b>	<b><u>FY16</u></b>	<b><u>FY17</u></b>
<b>Qty</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>932</b>	<b>320</b>	<b>220</b>	<b>220</b>	<b>220</b>



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## Challenges/Opportunities

### ➤ Performance

- Units must operate in high temperature and high humidity conditions
  - Units will be used in the AOR
  - Temperatures can reach up to 140°
- Unit must be able to deliver flow against a large range of backpressures
  - 200 ppm against a backpressure of 1 psig
  - 108 ppm against a backpressure of 6.5 psig

### ➤ Design

- Design for reliability, maintainability, and long MTBF
  - Minimal special tools/skills required



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## Testing

- The Small Diesel Flight Line Air Conditioner program will require robust testing
  - First article units will be subjected to:
    - Performance Testing
    - Environmental Testing
    - Mobility Testing
    - Reliability/Maintainability Testing
    - User Testing



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## Government Focal Points

- Logistics Management Specialist - Vacant
  - Email: [Paula.Fleming@robins.af.mil](mailto:Paula.Fleming@robins.af.mil)
  - Phone: 478-222-1702
- Contracting Officer - Salena Arrington
- Equipment Specialist (ES) - Rodney Yawn
- Engineer - Harry Smith
- Engineer - Stephen Graves
- Inventory Manager (IM) - Joel Hansen



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