

**AFFORDABILITY INITIATIVE COST ATTACHMENT 16**

1. Contractor/Title of Initiative \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Life Cycle Cost Phase Impacted  EMD  
 Production  ILS  O&S

3. What type of initiative is this?  
 Manufacturing Improvement  Business Practice  
 Acquisition Reform

4. Current (*As-Is*) Process Description(s)  
 Description  Narrative  Flow Diagram(s)

Note: Identify *part(s)* and *program(s)* used as basis for *As-Is* Condition

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7. Implementation Cost (Type, Amount, Time Phased)

Contractor

Type	JPO	IRAD	Individual Service	Other	Other
Amount					
Profile					

Government

Type					
Amount					
Profile					

8. Benefit Stream

List benefits/impacts realized by this initiative:

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- Affordability                       Lethality                       Other (Please Specify)  
 Survivability                       Supportability

Projected Savings by Variant by Phase

Variant	LCC Phase		
	EMD	URF	O&S
CTOL			
CV			
STOVL			

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**8. Benefit Stream (cont.)**

Savings Estimates Methodology/Basis of Estimate

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Is this savings estimate(s) comprised of:

Direct Costs       Indirect Costs

Does this initiative's savings depend on other initiatives? If so, list which ones and how.

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**9. List metrics used or to be used to measure progress of proposed initiative:**

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## AFFORDABILITY INITIATIVE COST ATTACHMENT 16

10. What WBS category does this initiative impact?

### EMD

- Air Vehicle
  - Airframe
  - Nonrecurring Design
  - Nonrecurring Tooling
  - Nonrecurring Test Articles
  - Recurring Test Articles
  - Propulsion
  - Avionics
  - Armament
- Systems Test & Evaluation
  - Flight Test
  - Ground Test
  - Avionics Tests & Evaluation
- Subsystems Test & Evaluation
- Other Test & Evaluation
- SE/PM & Data
- Training
- PSE
- Govt.. In-House
- ECO

### Production

- Recurring Flyaway
  - Air Vehicle
  - Airframe
  - Propulsion
  - Avionics
  - Armament
  - ECO
- Nonrecurring
  - Support Costs
    - Airframe PGSE
    - Engine PGSE
    - Avionics PGSE
    - Pec Training Equipment
    - Tech Pubs
  - Initial Spares

### O&S

- Mission Personnel
  - Operations
  - Maintenance
  - Other Personnel
  - Reserve
- Unit Level Consumption
  - POL
  - Consumable Material/Repair Parts
  - AVDLR
  - Training Expendables
  - Other Mission Support
- Intermediate Maintenance
  - Personnel
  - Consumable Material/Repair Parts
  - SE Maintenance
  - Other
- Depot
  - Overhaul/Rework
  - Support Equipment Rework
  - Emergency Repairs
  - Customer Service
- Contractor Support
  - Interim Contractor Support
  - Contractor Logistics Support
  - Other
- Sustaining Support
  - Support Equipment Replacement
  - Modification
  - Other Recurring Investment
  - Sustaining Engineering Services
  - Software Maintenance
  - Simulator Operations
  - Technical Publications
  - Other
- Indirect Support
  - Personnel Support
  - Installation Support
  - Government Services

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**11. What functional categories does this initiative impact?**

EMD

Production

Nonrecurring

Recurring

- Design Engineering
- Tooling Engineering
- Quality Assurance Engineering
- Software Engineering

- Manufacturing
- Quality Control
- Tooling
- Engineering

Recurring

- RMPP - Conventional
- RMPP - Advanced material
- Purchased Equipment
- Manufacturing Subcontracts

- Engineering
- Manufacturing
- Tooling
- Quality Assurance
  
- RMPP - Conventional
- RMPP - Advanced material
- Purchased Equipment
- Manufacturing Subcontracts

**12. List other support data:**

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## ***AFFORDABILITY INITIATIVE COST ATTACHMENT 16***

### 13. Materials/Processes:

- Basic Data: Are basic physical & mechanical properties available for the materials/processes both at the constituent & system level. Are environmental capabilities and second tier properties characterized (corrosion, fuel compatibility, DADT, etc)
- Specifications: If applicable, does this AI have a JSF, full production rate ready, material & processing specification?
- Maturity/Repeatability: Describe the AI maturity. What data is available to support the maturity? Are key material/process control characteristics identified? What is the process yield or process capability for key characteristics? Is the maturity compatible with the expected PWSC configuration requirements and acceptable for full rate production? Has “scale up” been demonstrated?
- For non-material AIs, discuss maturity and has the initiative demonstrated predictable results?

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14. Material Properties: Based on design philosophy (point design, building block) answer the following:

- Allowables: Has an allowables database been developed and ready for PWSC detailed design?
- Effects of Defects: Have the effects of defects been characterized and incorporated into acceptance criteria?
- Analysis Capability: What analysis capability exists for this material/process & is it adequate for detailed design?

15. Performance:

- What performance verification has been accomplished? Coupon, element, sub component, & full scale article?

16. Supportability:

- Inspection Capability: Does adequate inspection technology and capability exist to support production and fielded systems?
- Repairability: Has adequate repair technology and capability been developed to support production and fielded systems?

17. EMD Non Recurring:

- For any of the above topics which are not fully production ready, describe the effort planned for EMD to achieve production readiness for this AI. This includes a general bounding of schedule, man-hours, and dollars to accomplish the effort during EMD.

18. Production Implementation Non Recurring:

- Non Recurring Plan: If additional efforts will be needed beyond EMD, describe the effort required to transition this AI to full rate production including bounding of schedule, hours, and dollars.
- Capitalization/Industrial Base: Describe the efforts and general estimate of capitalization needed to implement this AI within the contractor's facilities or elsewhere within the industrial base.