Commonality Opportunity Review Process (CORP) Recommendation Package

Date
XXX CORP Team Lead
OUTLINE

• Description of Common Opportunity
• Platform Users (including those that were dropped and rationale)
• Critical Customer Requirements
• Alternatives Considered (Technical and Programmatic)
  - Description
  - Schedule
  - Risks
• BCA Results
  - Total Ownership Cost (R&D, Procurement, O&S)
    ➢ Follow standard template on slide(s)
• Recommendation
Common Opportunity

• Description of Common Opportunity
Platforms

• List of Platform Users (including those that were dropped and rationale)
Critical Customer Requirements

• Insert Final Critical Customer Requirements Matrix and add any needed verbage
Alternatives Considered

• List of Alternatives Considered (Technical and Programmatic)
  - Description
  - Schedule
  - Risks
BCA Results
LCCE Comparison

Format to be used:

$\text{O&S, 180,000}$

$\text{Procurement, 278,791}$

$\text{RDT&E, 80,571}$

$\text{Alternative 1}$

$\text{O&S, 174,000}$

$\text{Procurement, 316,549}$

$\text{RDT&E, 74,262}$

$\text{Alternative 2}$

$\text{O&S, 185,000}$

$\text{Procurement, 291,617}$

$\text{RDT&E, 70,890}$

$\text{Alternative 3}$
Recommendation

• Description of Recommendation
  • Summary of alternatives
    • BCA results
    • Technical and programmatic risks
    • Implementation Schedule
    • Performance
  • Reasons for recommendation
BCA Results
Backup Formats
ALTERNATIVE 1
GROUND RULES AND ASSUMPTIONS
RDT&E

• RDT&E is SDD Only
• Quantities
  - Air Vehicles = 5 SDD + 5 LRIP 1
  - GCS = 1 SDD + 1 LRIP 1
  - 1 Contractor SIL + 1 Government SIL @ PAX
• 1.03M Equivalent Source Lines of Code (ESLOC)
• Ground Test (Static/Fatigue, SIL testing, Wind Tunnel)
• DT/OT Flight Test hours = 1,673
• 500 OPEVAL + 300 FOT&E Flight Test hours
• Labor Rates based on FPRA
• Fee 10%
# ALTERNATIVE 1
Cost Estimating Methodology Matrix (CEMM)
RDT&E (FYXX $K)

<table>
<thead>
<tr>
<th>Alternative</th>
<th>POE FY0x $K</th>
<th>CEMM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>900</td>
<td>Explanation....</td>
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<tr>
<td>SE/PM</td>
<td>9500</td>
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<tr>
<td>ILS</td>
<td>1500</td>
<td></td>
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<tr>
<td>Payload</td>
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<td></td>
</tr>
<tr>
<td>Air Vehicle</td>
<td>25000</td>
<td></td>
</tr>
<tr>
<td>MCS</td>
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<tr>
<td>ST&amp;E</td>
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<tr>
<td>Software</td>
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<td><strong>Contractor SubTotal</strong></td>
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<tr>
<td>Fee</td>
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<tr>
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<tr>
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<td>Tax</td>
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<td><strong>Total</strong></td>
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• Repeat for other options
PROCUREMENT SUMMARY
FYXX $K

Procurement Program Office Estimate FYXX (in $K)

- Govt Cost
- ICS
- GCS
- Other
- Air Vehicle
- Payload
- ILS
- SE/PM
- Fee
- Withholding
- ECO

Sample
ALTERNATIVE 1
GROUND RULES AND ASSUMPTIONS
PROCUREMENT

- LRIP 1 through Full Rate Production (FRP)
  - LRIP1 under APN
- Production quantity based on technical assessment to sustain Full Operating Capability (FOC) over 20 years factoring in Attrition and Fatigue
  - Procurement Quantity = XXXXX
- Quantity Analysis Drivers
  - Primary Aircraft Assigned (PAA) = XXXXX
    - XXXXX per site / 80% Availability
  - Annual Flight Hours = 63,200
  - Attrition = 4 per 100K flight hours
  - Fatigue = 35,000 hours
- ILS Support includes Interim Contractor Support (ICS) through Material Support Date (MSD)
- Fee = 15%
### ALTERNATIVE 1
Cost Estimating Methodology Matrix (CEMM)

**Procurement (FYXX $K)**

<table>
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<th>Alternative1</th>
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<th>CEMM</th>
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• Repeat for other options
O&S SUMMARY
FYXX $K

O&S Program Office Estimate  FY20xx $K

- Mission Personnel
- Unit-Level Consumption
- Depot
- Contractor Support
- Sustaining/Indirect Support

Alternative1
Alternative2
Alternative3

0 20,000 40,000 60,000 80,000 100,000 120,000 140,000 160,000 180,000 200,000

SAMPLE
ALTERNATIVE 1
GROUND RULES AND ASSUMPTIONS
O&S

• O&S shown in following chart includes MILCON
• O&S costs consists of a 4-year ramp-up commencing with Initial Operating Capability (IOC), and then 20 years of full operating capability
• Primary O&S cost drivers:
  – Primary Aircraft Assigned (PAA), i.e., number of aircraft supported
    • 25 Flight hours
    • 211 FHS/o (63,200 FHS per year)
  – Mission Personnel and Contractor Support based on Manpower Estimate Report (MER)
## ALTERNATIVE 1
Cost Estimating Methodology Matrix (CEMM)
O&S (FYXX $K)

<table>
<thead>
<tr>
<th>Alternative</th>
<th>POE FY0x $K</th>
<th>CEMM</th>
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</thead>
<tbody>
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<td>Explanation....</td>
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<tr>
<td>Mission Personnel</td>
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<tr>
<td>Depot</td>
<td>20000</td>
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<tr>
<td>Sustaining/Indirect Support</td>
<td>15000</td>
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</tr>
<tr>
<td>Contractor Support</td>
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<tr>
<td><strong>O&amp;S Total</strong></td>
<td><strong>180000</strong></td>
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• Repeat for other options