Integrating Test and Evaluation (T&E) Into DoD Acquisition Contracts

Ms. Darlene Mosser-Kerner
T&E Policy

Developmental Test & Evaluation
OUSD(AT&L)/Systems & Software Engineering
Outline

• The Challenge
• Test and Evaluation (T&E) Contract Issues Pre-Solicitation
• T&E Contract Solicitation Issues
• T&E Contract Execution Issues
• Integrating T&E in Acquisition Contracts
• Summary
The Challenge

• T&E expertise is applied late – during source selection or after contract award
• Leads to contract related issues
  – Lack of appropriate contract requirements
  – Inappropriate contract incentives
  – Lack of adequate / appropriate test resources
  – Lack of adequate test time
• How can the T&E community help get better contracts developed, awarded, and executed?
Pre-Solicitation T&E Issues

• Requirements and Strategies
  – Development of evaluable requirements
  – Development of an appropriate T&E strategy

• Establishment of appropriate contract incentives
  – De-emphasize single point test events – “first flight”
  – Demonstrate maturation of system and T&E program

• Scoping the test program
  – Timing and magnitude of the test effort
  – Number of test articles
  – Threats, targets
Solicitation T&E Issues

- Development of the Statement of Objectives (SOO) and Statement of Work (SOW)
- Development of valid source selection evaluation factors and scoring criteria
- Participation on source selection teams
Contract Execution T&E Issues

- Integration of Contractor, Government, and Operational teams - Integrated Test Team
- Working with Defense Contract Management Agency (DCMA)
- Test Operations
  - Sharing data
  - Deficiency identification and resolution
  - Safety concerns
  - Environmental issues
  - Resource management
# System Test Plan (STP)

## Developmental Test & Evaluation

<table>
<thead>
<tr>
<th>Acquisition Milestones</th>
<th>B</th>
<th>C</th>
<th>FRP DR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Government Tests</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Government DT/DT Assessments</td>
<td>DT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Integrated Test</td>
<td>IOT&amp;E</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>FOT&amp;E</td>
</tr>
<tr>
<td><strong>Prime Contractor Tests/Integrator Tests</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>System Development</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Evaluate Approaches</td>
<td>Verify Solutions</td>
</tr>
<tr>
<td></td>
<td></td>
<td>System Qualification</td>
<td>Design Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subcontractor Tests</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Subsystem Development</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Evaluate Approaches</td>
<td>Verify Solutions</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Subsystem Qualifications</td>
<td>Design Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>COTS Qual Tests</td>
<td>COTS/NDI Procurement</td>
</tr>
</tbody>
</table>
Integrating T&E In Contracts - Ideas

• Develop T&E strategy (draft TEMP) prior to Request For Proposal (RFP) development
• Ensure requirements are evaluable
• Use Contractor T&E approach in source selection criteria
• Consider Test execution issues in SOO/SOW
  – Integrated CT, DT, OT
  – Information sharing
Next Steps

- Engage with program management and contracting communities
- Publish T&E contracting guidebook – Summer 08
- Request your inputs to make the guidance useful to all concerned
Contact Info

Darlene Mosser-Kerner
darlene.mosser-kerner (at) osd.mil

Contact us to provide feedback and share your experience