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ASC Historical Perspective



Aeronautical Systems Center

- **1980's**
 - **ASC Software Development Capability/Capacity Review**
 - **Process submittal – Limited Question responses in proposal**
 - **On-site visit – primary data collection**
- **1990's**
 - **AFMC Software Development Capability Evaluation**
 - **Process, artifact, question responses submittal**
 - **Limited On-site visit for issue resolution**
- **Acquisition Streamlining**
 - **90 day Source Selections**
- **Acquisition resources limited**



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What We Want From Industry



Aeronautical Systems Center

- **Predictably meet cost, schedule, performance baselines**
- **Capable Developers**
- **Realistic proposals**
- **Commitment to execute to proposed processes**
- **Do what you said you would**



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ASC, Air Force, & DoD Perspective



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- **Credibility issue: CMMI Level is not a predictor of success**
 - **Widespread knowledge of significant problems in systems being developed by high (levels 3, 4, or 5) maturity organizations**
 - **Root causes not understood**



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ASC Perspective



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- **Program Office does not want to oversee industry process improvement activities**
 - **That is the company's business**
 - **Expect companies to improve without our "help"**
 - **Companies should be doing this for their own competitiveness**
- **We are in the Weapon System development business**
 - **Not the process improvement consultant business**



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ASC CMMI Issues



Aeronautical Systems Center

- **Do appraisal methods provide accurate representation of organizational capabilities**
- **Are programs operating at organization's rated capability**
- **Source Selection timeframe constraints**
- **Resource constraints**
- **Use existing Appraisals vs. Source Selection appraisal**
- **Tailored Processes Area focus**
- **Teaming**
- **Execution to appraised capability including startup**
- **Program Office support given constraints**



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Summary



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- **If Air Force is to consider CMMI as a source selection discriminator, need to:**
 - **Quantify contribution of CMMI to program success**
 - **Determine how true organizational CMMI capability can be objectively defined**
 - **Define how capability is best carried forward and verified during program execution**
- **Significant decision**
 - **Not necessarily one solution**
 - **Will take effort and time**