Beyond CMMI

Flawless Execution In The Information Age

NDIA/SEI
CMMI® Technology Conference and User Group

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Customers Demand Integrated Systems

The resulting System of Systems must work flawlessly
CMMI And Other Process Models Tells Us What To Do To Improve Our Business

Provide Enabling Infrastructure

Acquire | Define | Manage Suppliers | Produce | Support

Beyond CMMI We Empower Teams Of Individuals

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Disciplined performance is the easiest and most efficient way to work

Product and process teams are provided everything required at start

External Requirements
- CMMI
- ISO
- Baldrige
- Lean

Customer Requirements
- DOD
- FAA
- GAO
- NASA

Enterprise Process Model
- Lead the Enterprise
- Manage Programs
- Provide Enabling Infrastructure
Mission Assurance Office Provides the Checks and Balances to Achieve Mission Success

Mission Assurance Office Focus Areas

- Assures best practices from each discipline are in use
- Aids programs in focusing on key risk areas
- Supports programs through independent non-advocate reviews, independent risk assessments, and technical integrity verification
- Assists with issue prevention by looking at trends across the enterprise

In the Global sense, Mission Assurance is part of everyone’s job: Everyone has personal ownership of their product and shares in the program execution goal of obtaining 100% mission success
Our Employee Teams Consistently Overachieve

<table>
<thead>
<tr>
<th>Examples of Fully Engaged Employee Involvement Teams</th>
<th>Problem</th>
<th>Goal</th>
<th>Achieved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Navy systems</td>
<td>95%</td>
<td>98%</td>
<td>99.7%</td>
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<tr>
<td>Special Manufacturing Instruction</td>
<td>95%</td>
<td>98%</td>
<td>99.7%</td>
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<tr>
<td>Automated Tool Order</td>
<td>89%</td>
<td>98%</td>
<td>99.0%</td>
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<tr>
<td>Model Based Instruction</td>
<td>92%</td>
<td>98%</td>
<td>100.0%</td>
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<tr>
<td>Aerospace Support</td>
<td>53%</td>
<td>98%</td>
<td>99.7%</td>
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Boeing IDS Has Made CMMI A Pillar Of Our Process Improvement Approach

- **Enterprise Goal:**
  - All major sites at CMMI Level 5 using all four components, SE, SW, IPPD, and SS by end 2005

- **Enterprise Status (13 major sites):**
  - Four at Level 5
  - One at Level 4
  - Eight appraisals before December 31
    - Possibly five more at Level 5
Process Improvement Is Nothing New

- This is Deming – Applied in the information age
- Our systems are more complex and demand integration on a larger scale
- Our need for continuous improvement is the same

We must empower our teams within a system of systems that intrinsically self regulates to create absolute mission assurance