



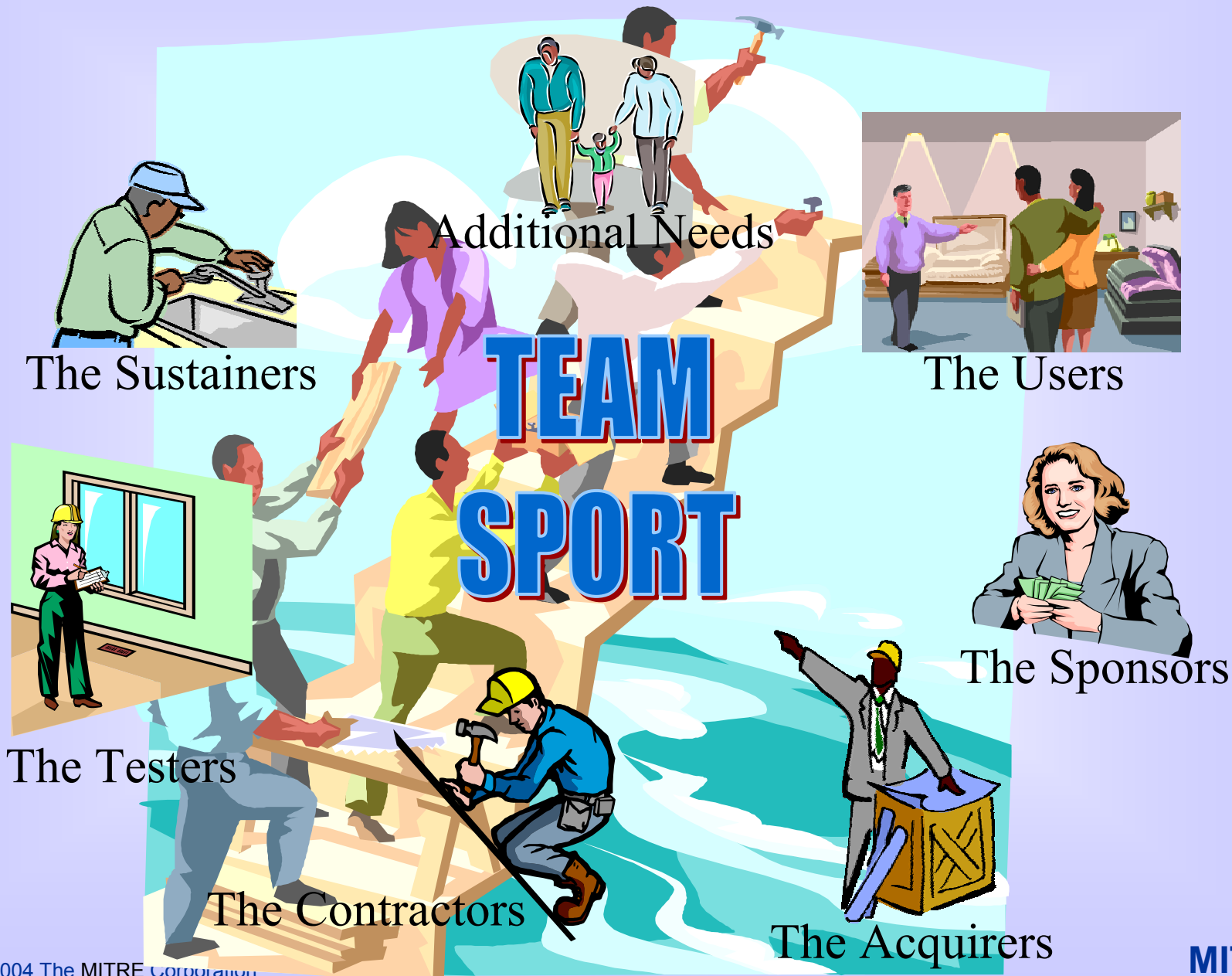
Acquisition and the CMMISM - An Update

A Presentation to the
4th Annual CMMI Technology Conference
and User Group
November 17, 2004

Track 6 – CMMI Extensions

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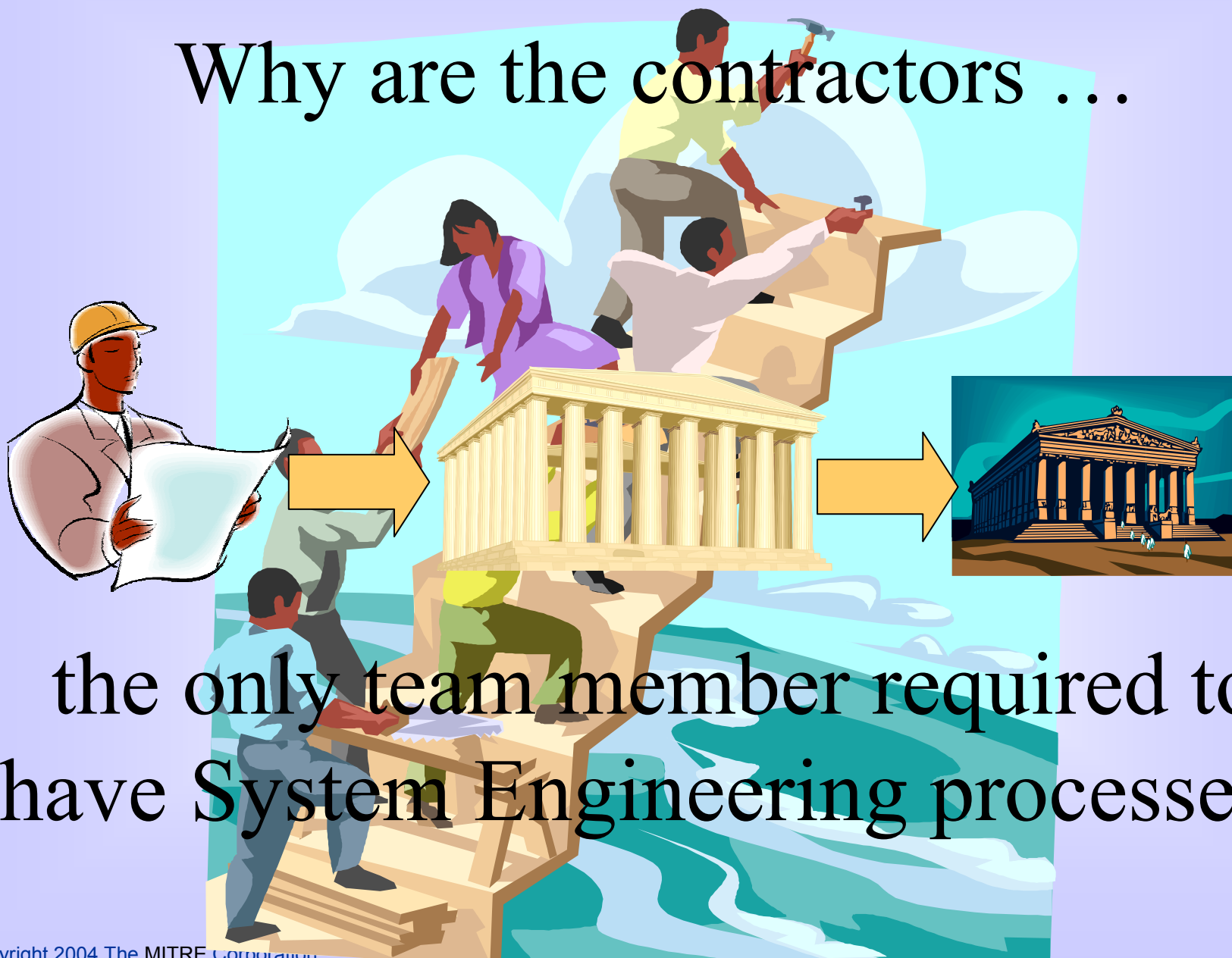
System Engineering in Evolutionary Acquisition is a...



System Engineering in Evolutionary Acquisition needs...

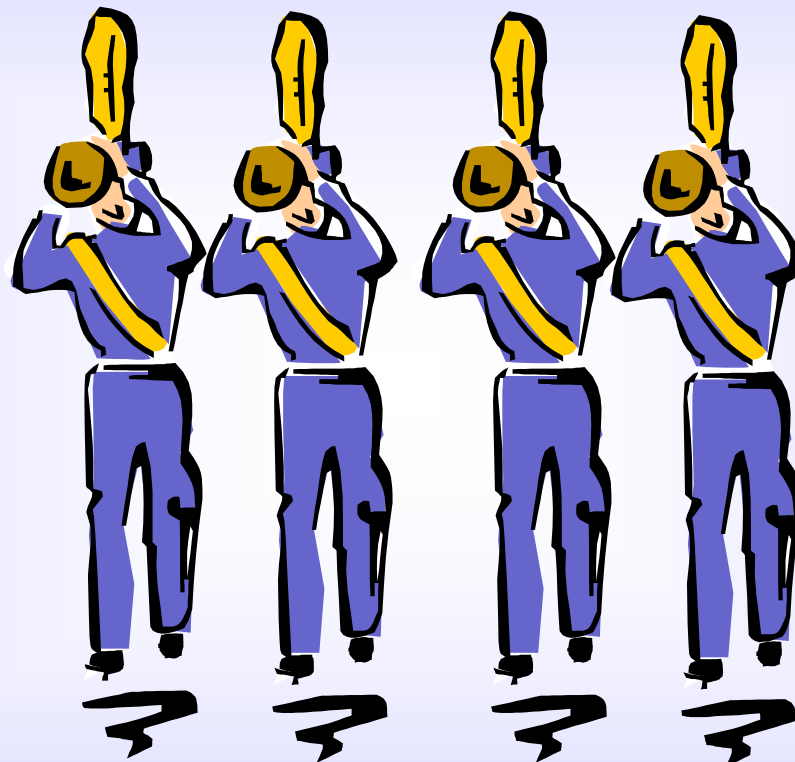


Why are the contractors ...



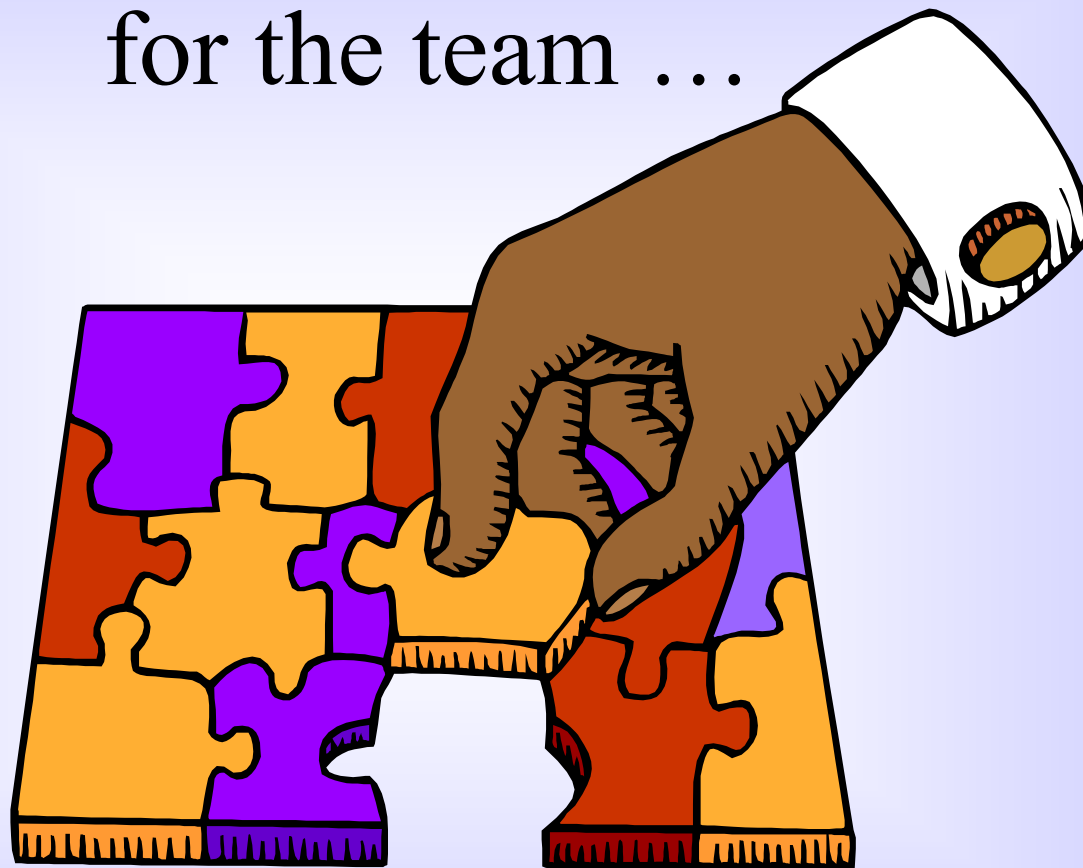
the only team member required to have System Engineering processes?

This is a familiar industry tune...



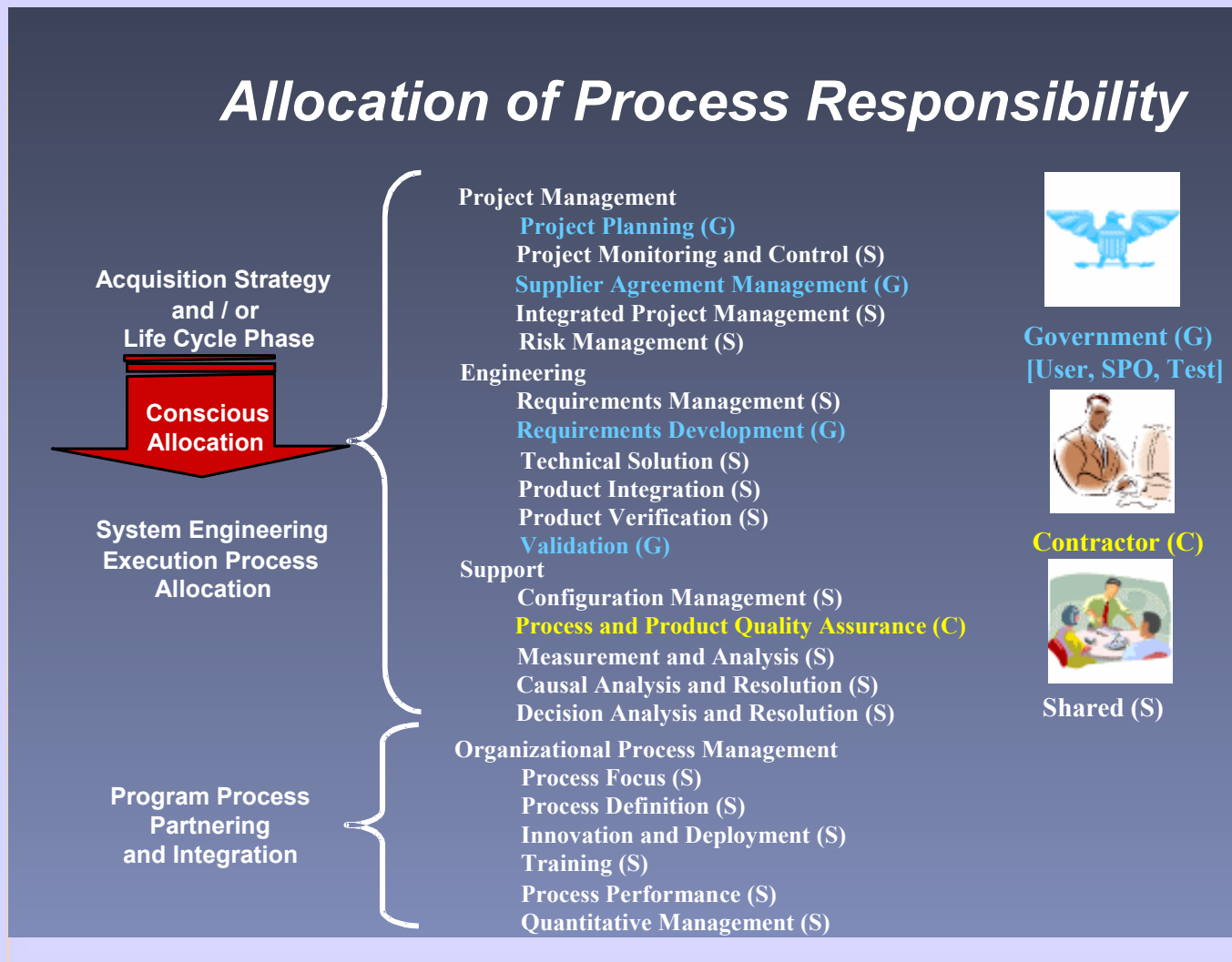
The rest of the players need system engineering processes too...

And an integrated set of processes
for the team ...



Would be even better

At the first CMMI Conference in 2001...



I recommended a process sharing concept for CMMI

At the second CMMI Conference in 2002...

**Jack Ferguson and M. Lynn Penn
showed us their new math***

$$\begin{array}{c} 4 \\ \times 1 \\ \hline \end{array} \neq 4$$

Case 4 - Mature Developer and Immature Acquirer

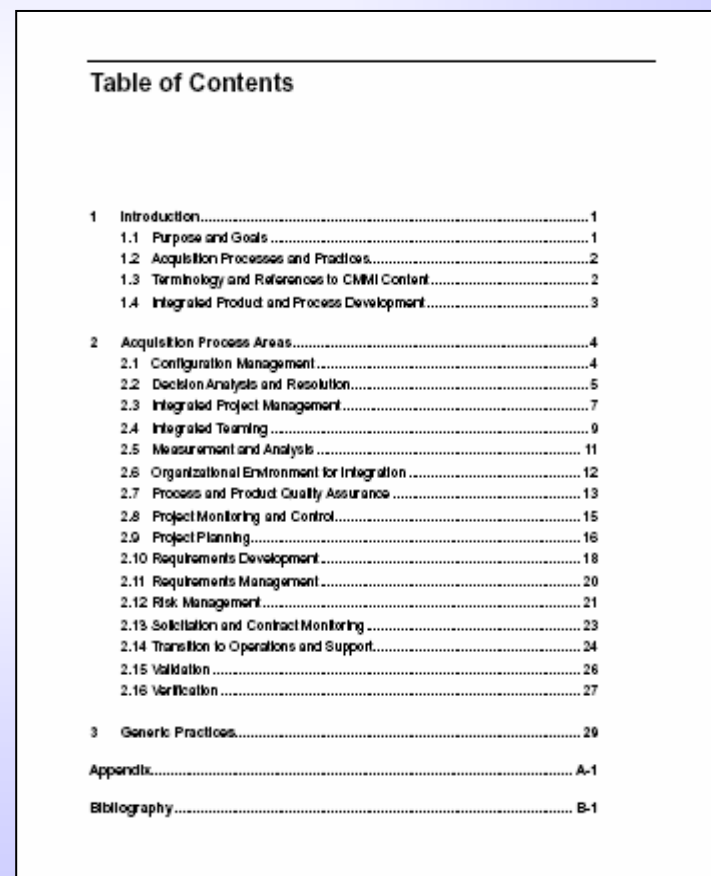
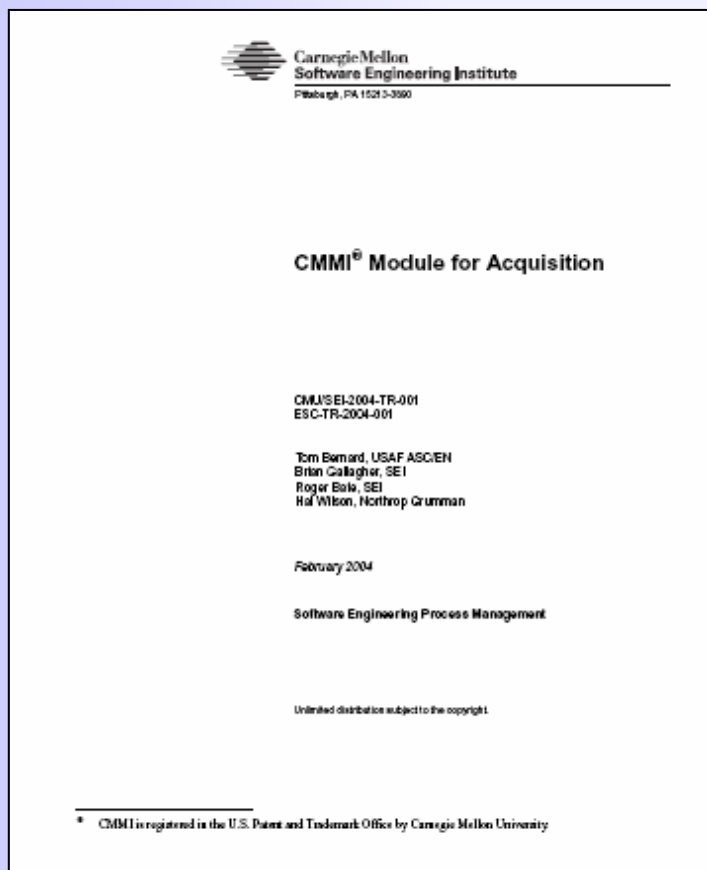
***New CMM Math**

Jack Ferguson – SEI and M. Lynn Penn - Lockheed Martin M&DS
CMMI Conference 14 November, 2002

In March 2003, DoD Issued a memo stating...

“Section 804 of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 requires the establishment of software acquisition process improvement programs by Military Departments and those Defense Acquisition Agencies that manage Major Defense Acquisition Programs (MDAPs) with a substantial software component...”

In February 2004, The CMMI-AM is published...



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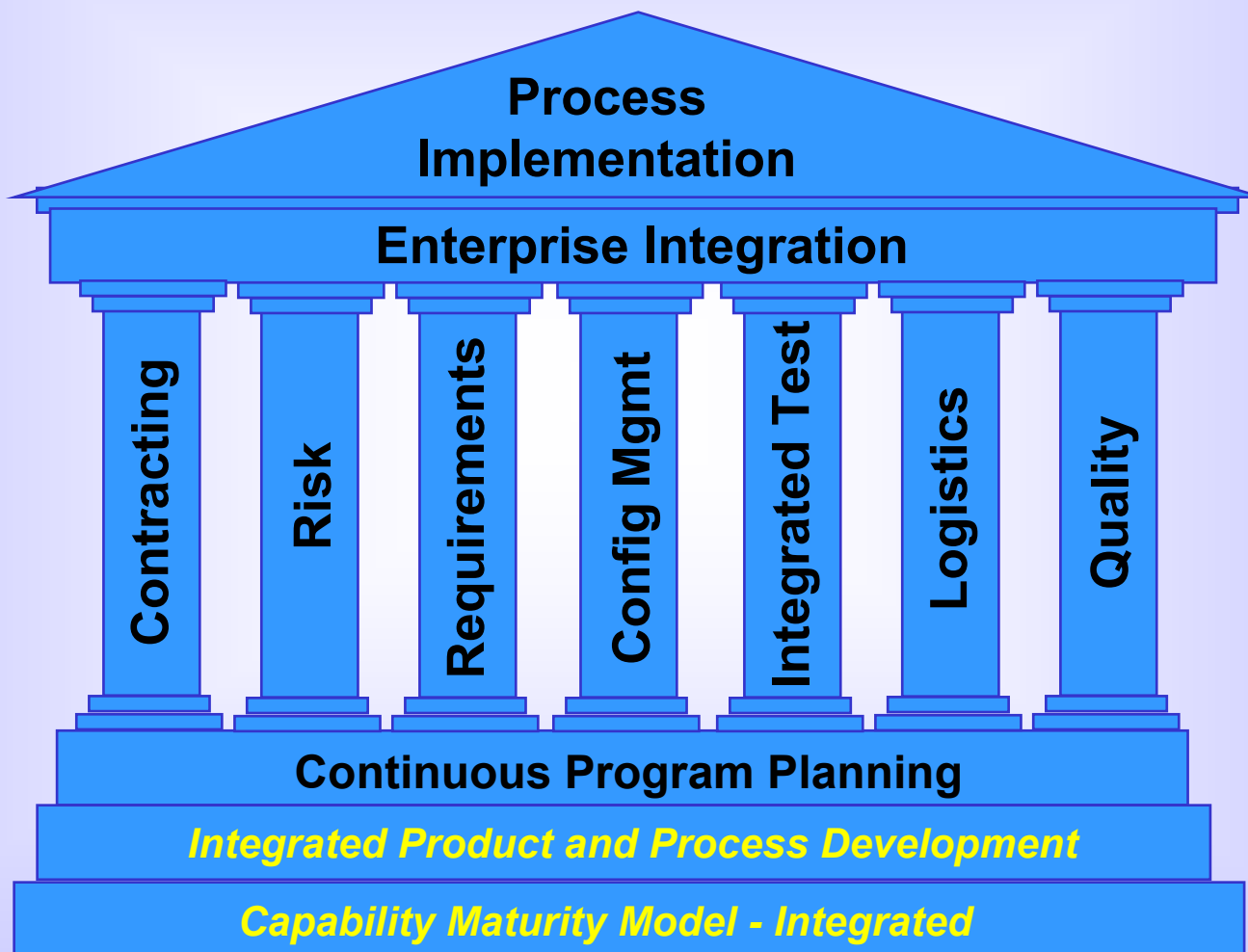
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Over this period of time...

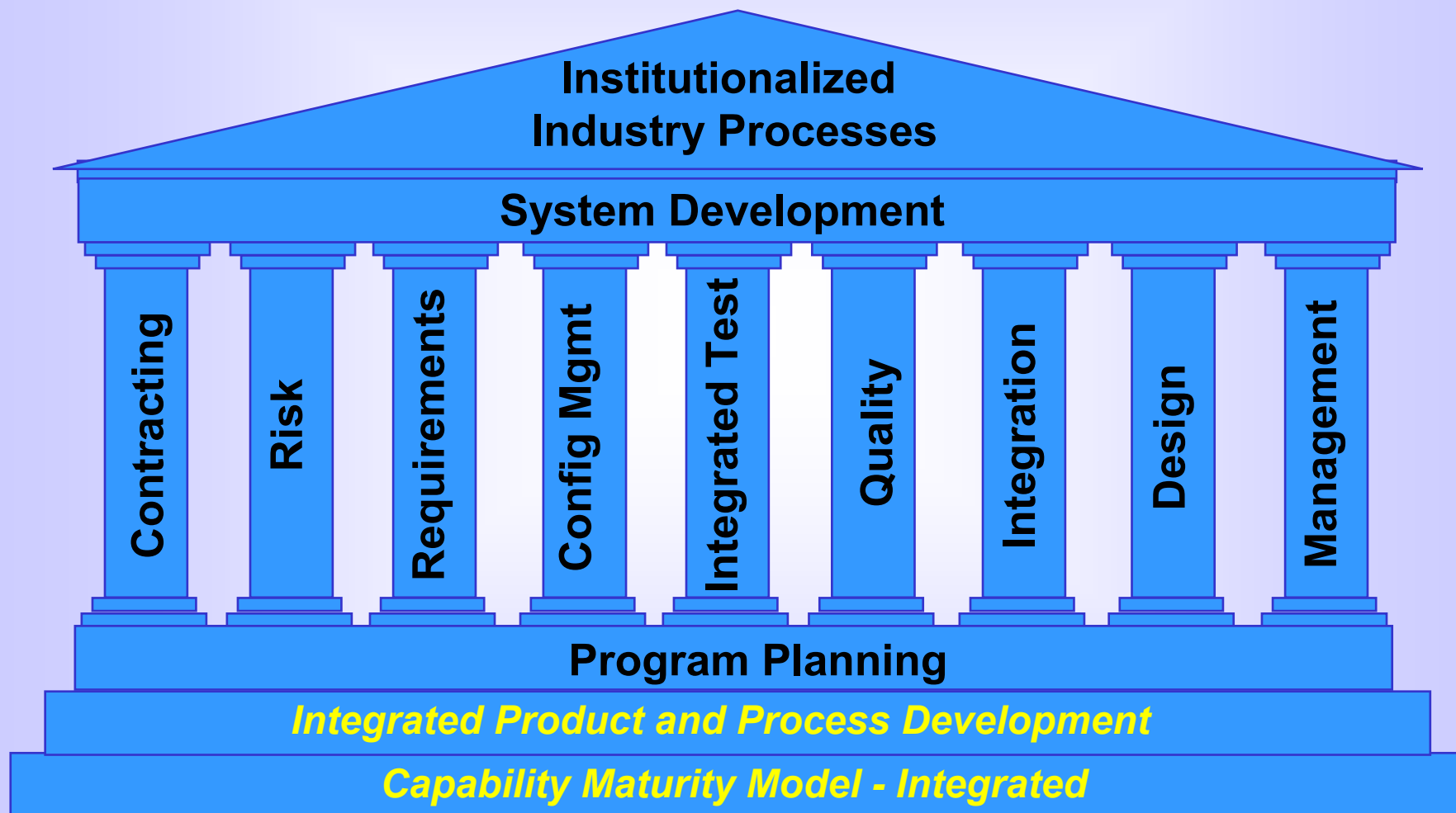


We have matured our System Engineering
process approach for the
Air Force Electronics Systems Center

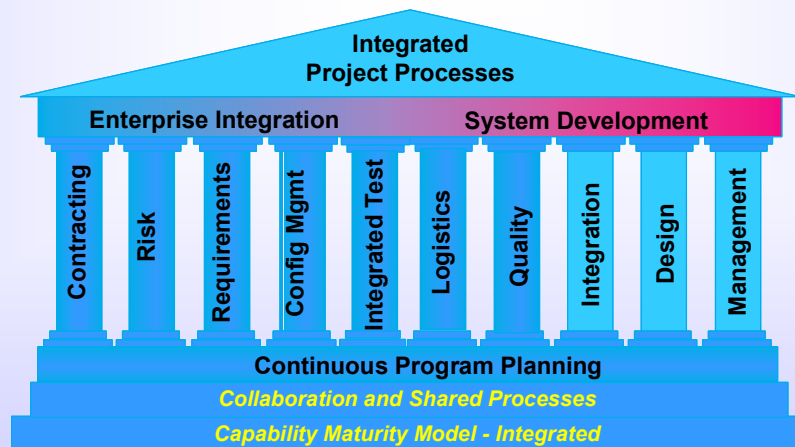
We are building a set of Government System Engineering Core processes based on the CMMI



We expect our contractors to have mature System Engineering processes based on the CMMI



Post award we expect an integration of System Engineering processes based on the CMMI and IPPD

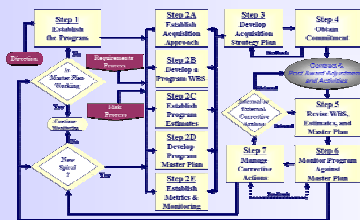


Integrated & Shared

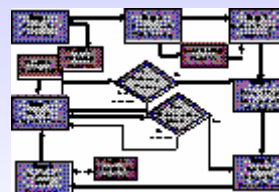
Over the System Life Cycle We Should Assess the Process Maturity of the Project Team



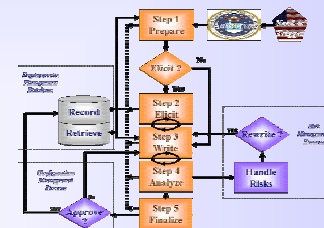
Processes Developed to date



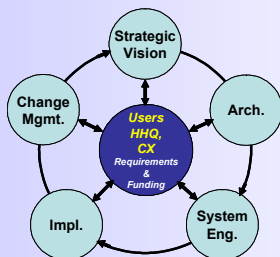
Program Planning



Risk



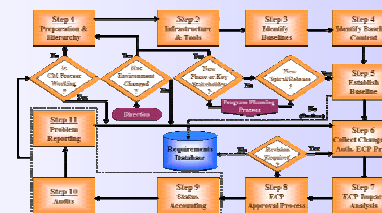
Requirements



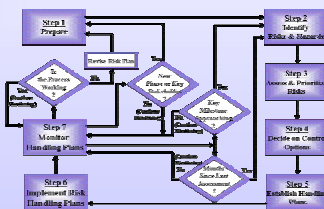
Enterprise Integration



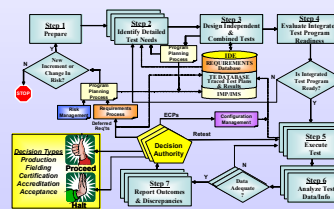
INTEGRATED PROCESSES



Configuration Management

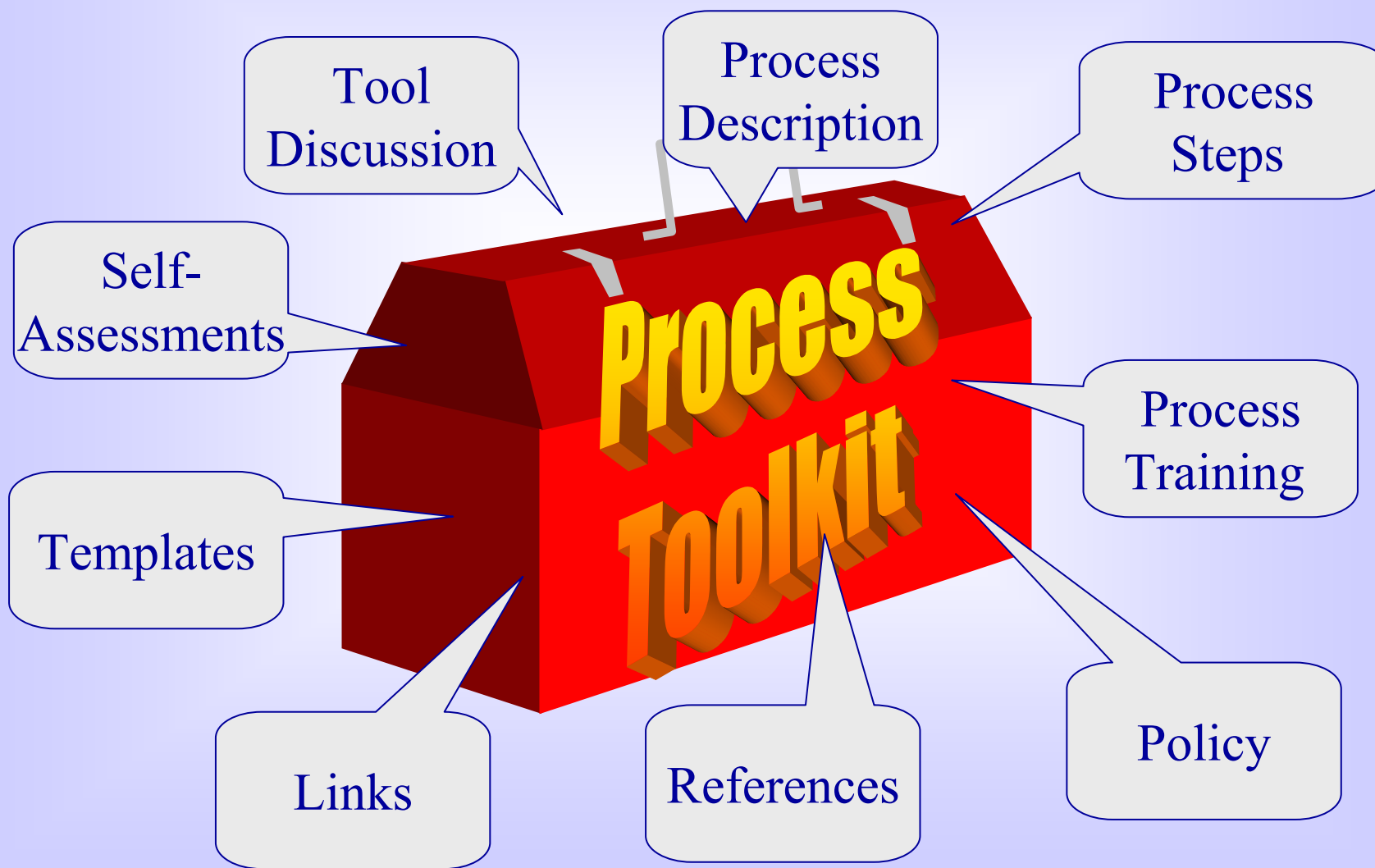


Partnering (IPPD)



Integrated Test

We have put our process assets in “toolboxes”



Web-based “toolkits” have been developed to support our integrated SE processes

- Toolkits Developed:
 - Risk Management
 - Requirements D&M
 - Configuration Mgmt
 - Enterprise Integration
 - Integrated Testing
 - Mission Partnering (IPPD)

- Toolkits Under Construction:
 - Program Planning



Questions?



