TRANSITIONING TO CMMI IN A GOVERNMENT/INDUSTRY PARTNERSHIP ENVIRONMENT

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OVERVIEW

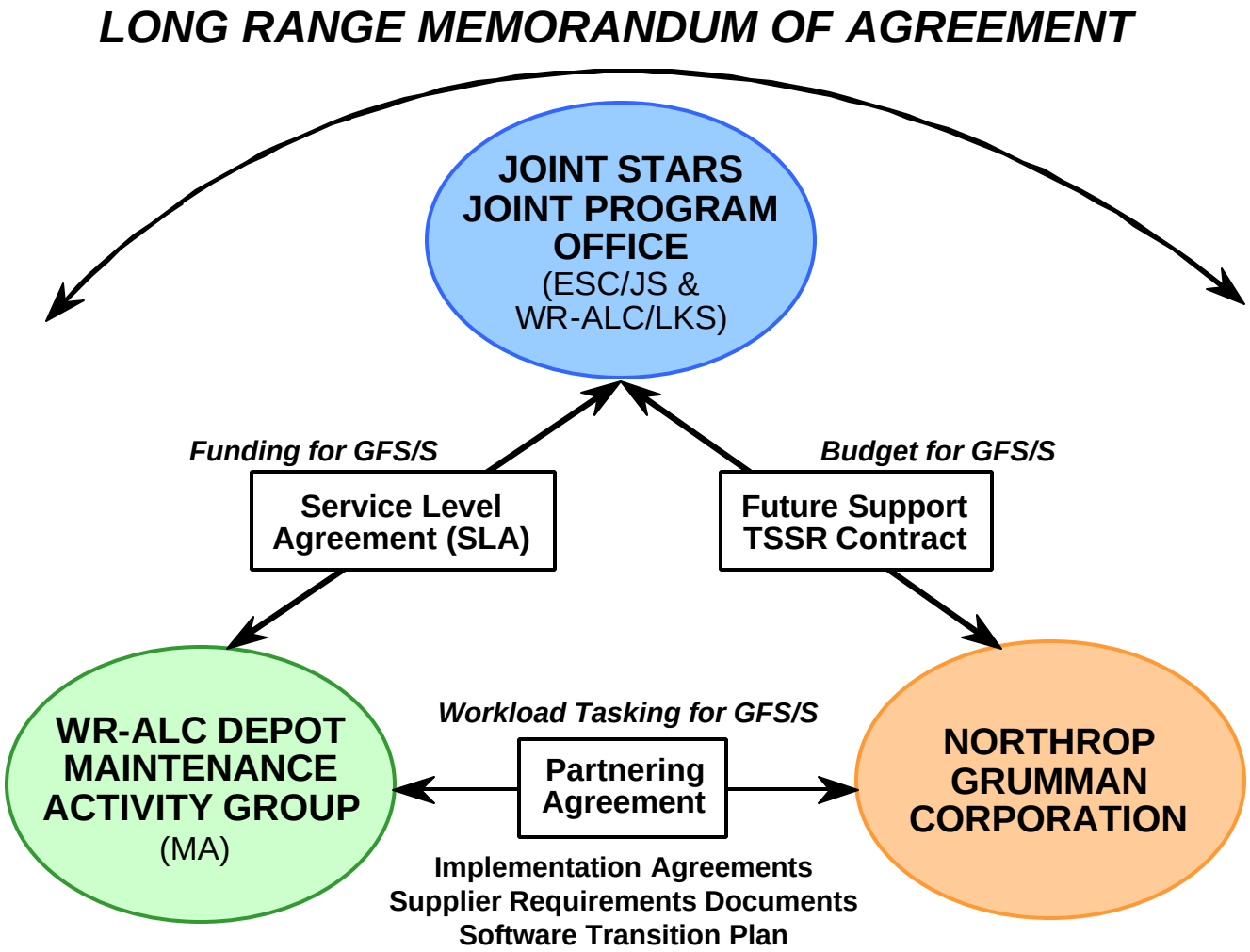
- Software Sustainment Environment
- Partnership Roadmap
- CMMI Strengths for Software Sustainment
- Smart Standardization between Partners
- Summarize CMMI Between Partners

Public-Private Logistics Partnership

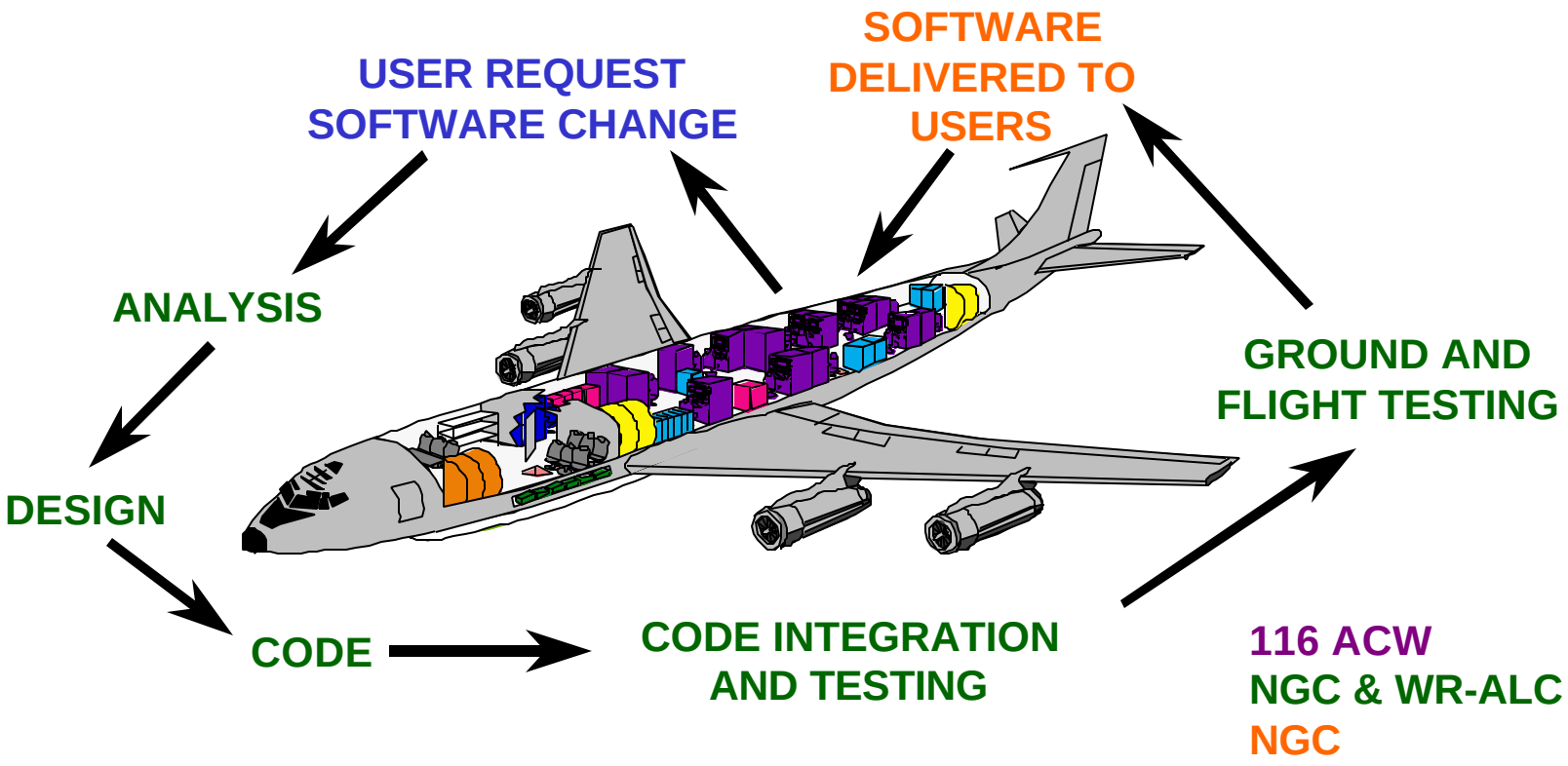
"... a logistics sustainment philosophy that focuses on a cooperative agreement between the program manager, system sustainment manager, depot maintenance manager, and private sector supplier of sustainment and modernization."

*Partnering is a **cooperative** effort **not a competitive engagement!***

The Joint STARS Partnership



Joint STARS Software Sustainment



The Partnered Software Maintenance Process

Software Sustainment Environment

- Generally Correction/Enhancement of Small Portion of Large Software System
- High software module interdependency
- Small changes may create major impact.
- Limited applicability of optimum development process.

Partnership Roadmap

Successful partnerships

- Acknowledge success criteria for each party
- Identify common interests
- Establish responsibilities for each party
- Integrate Resources, Processes, and Products to be transparent to the customer

- and most importantly -

Develop Mutual Trust

Common Interests

- Improve Product Quality
  - More Product Delivered
  - Better Performance
- Improve Efficiency
  - Better Practices
  - Faster Processes
  - Cheaper Methods
- Bottom Line - Provide Superior Warfighter Support

Joint Responsibilities

- Shared Information & Expertise
- Planning/Budgeting Resources
- Integrated Product Teams
- Common Metrics
- Work Accomplishment
- Collaborative Work Environment
- Single Face to Customer

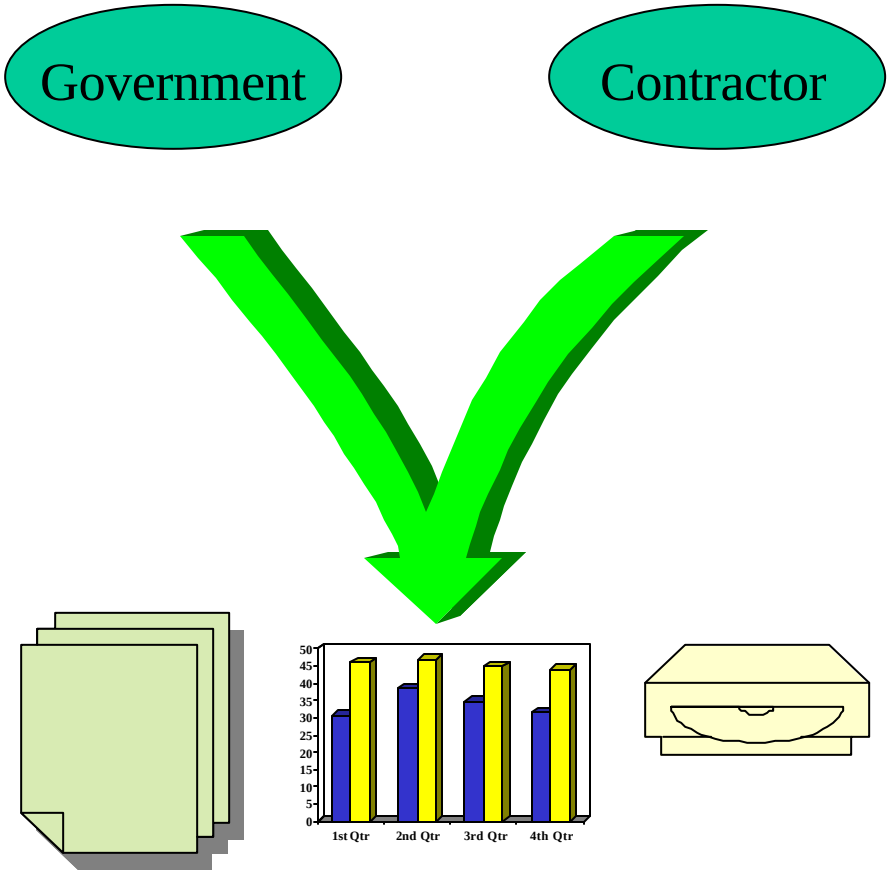
So, how do we apply CMMI in a partnered software sustainment environment?

CMMI Strengths for Software Sustainment

- Flexibility to tailor the CMMI model to specific scenario
- Framework to leverage on system engineering practices to manage requirements and configurations throughout the product life-cycle
- Framework to leverage on Integrated Teaming (IPT) approach to build partnered virtual teams

Smart Standardization

- **Optimize Standardization**
- **Standardize outputs not processes**
- **Outputs:**
  - **SW products**
  - **Management products**
  - **Metrics**



CMMI Between Partners Requires

- Establish Mutual Trust/Commitment
- Leverage on Applicable CMMI Strengths
- Optimize Standardization
- Provide Superior Warfighter Support