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NGC

Capabilities at a Glance

- Weaponized Platforms
- Resilient Systems

- Weaponized Payloads
- Non-Kinetic Effects
- Secure Supply Chain
- Cyber Capability

- Training Programs
- Facility Staffing

- CND Operations (IC, DoD, Fed)
- Title 50 & Title 10 Operations
- Intelligence Fusion & Analysis
- NCC, Kinetic & Non-Kinetic C2
- Next Generation Networks

Aerospace Systems



Electronic Systems



Technical Services



Information Systems



Integrated Cyber Security Goals and Future Vision

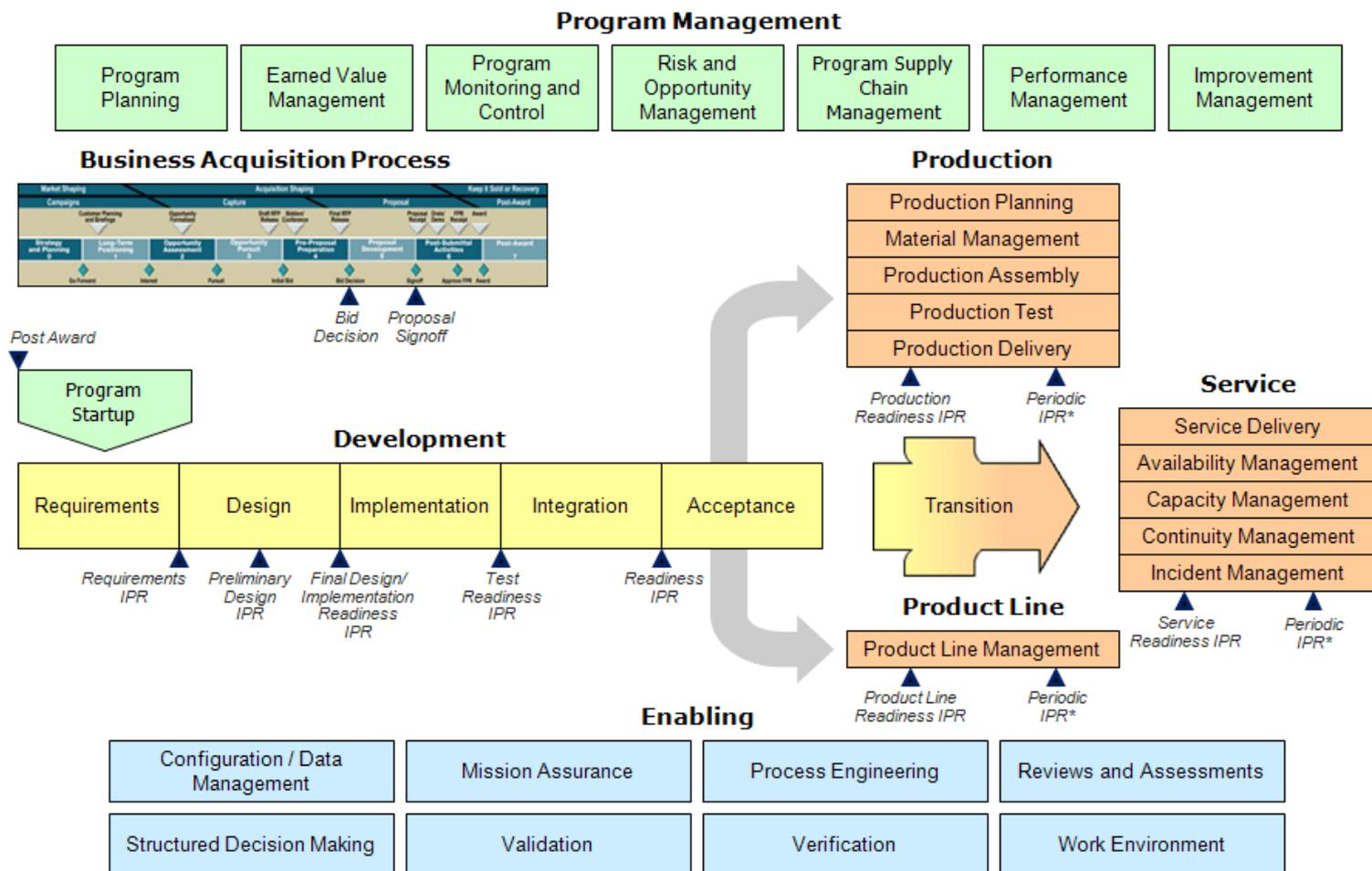
Corporate Cross Sector Initiatives

- Project Viceroy
- Project NKE

- Multi-Int, Multi-Sensor Mission Assurance
- Coordinated Non-Kinetic and Kinetic Mission Assurance

Committed to Addressing The Nation's Challenges

Standardization: The Program Execution Framework (PEF) Reference Model

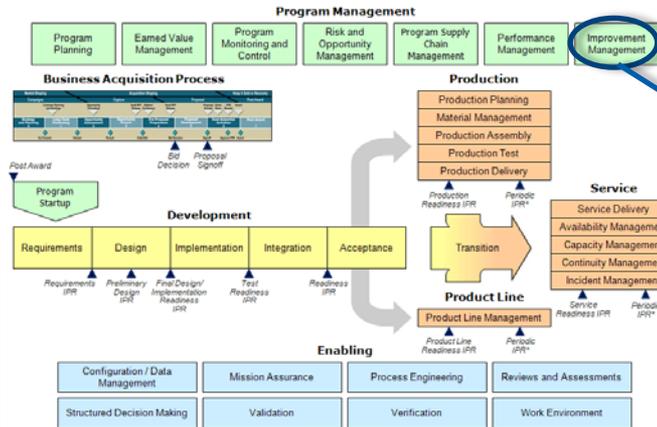


Reference model shows all activities for all program types

PEF program types

1. **Product Development.** Activities involved in the transformation of customer needs to delivered products or service systems required to deliver services.
2. **Product Maintenance.** Activities involved in the adaptive, corrective, improvement, enhancement and sustainment of delivered products
3. **Production / Manufacturing.** Activities to repetitively produce products with no or slight variations on an approved core design.
4. **Staff Augmentation.** Activities related to providing consulting expertise with process ownership of program management only; delivering hours only. Management of the activities is done by the customer.
5. **Professional Services.** Activities related to providing services as specified, including ownership of essential processes. Unique program management of the activities is done by NG.
6. **IT Managed Services.** Activities related to providing Information Technology infrastructure services to organizations.
7. **Operations.** Operations, routine maintenance, and / or support to accepted, deployed, operational systems.
8. **Product Line.** Activities to build a set of systems or products sharing a common, managed set of features that satisfy the specific needs of a particular market segment or mission and that are developed from a common set of core assets in a prescribed way.

NGIS Program Execution Framework (PEF)



Reference Model defines:

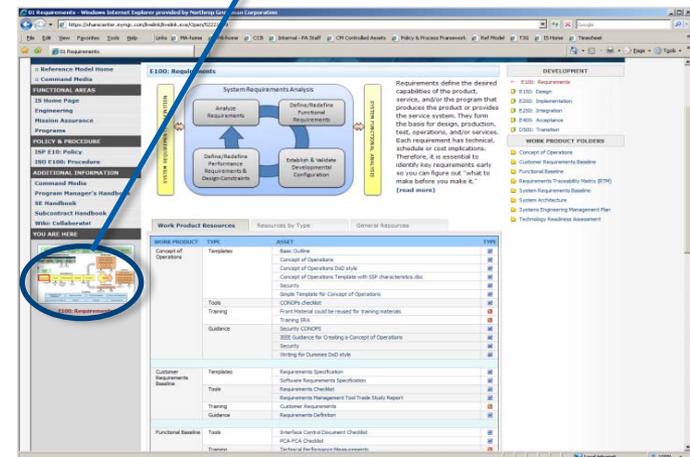
- Core activities for Programs, Engineering, Mission Assurance
 - Review gates
- Each activity defined by:
- Policy (Command Media ISP)
 - Procedure (Command Media ISO)
 - Work products and success criteria

NG PM Pro tool encapsulates:

- Program types
- Work products and success criteria
- Business rules to select applicable work product elements, success criteria, and gates

For each activity, T3G defines:

- Templates
- Tools
- Training
- Guidance



- Affordability is the practice of ensuring program success through ***the balancing*** of system performance (KPPs), total ownership cost , and schedule constraints ***while satisfying mission needs*** in concert with long-range investment, and force structure plans of the DoD
- To meet these principles we are recommending guidance for *Affordability and SE Tradeoff Analyses* that ***yield visibility*** into the relationship among the life-cycle phases, the KPPs and mission effectiveness. Key issues to be resolved
 - Quality of empirical data for estimation
 - Ensuring compatibility of affordability principles with budget and competitive procurement policies and processes
 - Life-cycle RAA (responsibility, authority & accountability)

- CMMI can help diverse cultures establish a common process framework to enable Program Execution success
- Strong, disciplined acquisition and development processes based on CMMI models (ACQ, DEV, SVC) is essential for meeting affordability challenges

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