

Naval Aviation Depots for the 21st Century

A Single Depot Capability

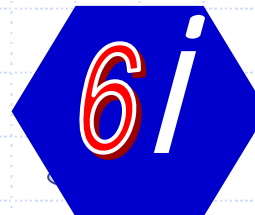
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Agenda

- ◆ Mission characteristics
- ◆ Maintenance philosophies
- ◆ Operational characteristics
- ◆ Production characteristics
- ◆ Resources management
- ◆ Performance measure
- ◆ A Single Depot Capability –
 - *Six way integration*



Depot Capability for the 21st Century

◆ Mission characteristics

- *Seapower 21*
- *Fleet Response Plan*
- *CNO's Goals*

◆ Maintenance philosophies

- *Planned*
- *Periodic*
- *Reliability centered*
- *From reactive to predictive*
- *Integrated maintenance*

◆ Operational characteristics

- *Global/In-Theatre*
- *Agile/Flexible*
- *Mobile/Deployable*

◆ Production characteristics

- *Quality*
- *Response time*
- *Air-Speed*
 - ◆ *LEAN*
 - ◆ *Theory of Constraints*
 - ◆ *Six Sigma*

Depot Capability for the 21st Century

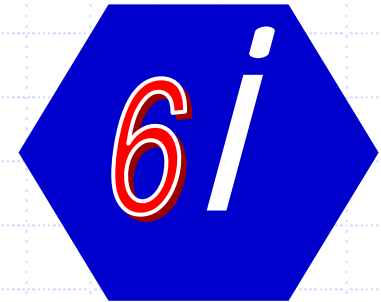
◆ Resource Management

- *Plan & execute to rapidly changing requirements and priorities*
- *Build & retain a highly skilled workforce*
- *Build & make globally accessible a maintenance knowledge base*
- *Implement best business practices for material*
 - ◆ *Reduce Just-in-case*
 - ◆ *Optimize Just-in-reach*
 - ◆ *Increase Just-in-time*

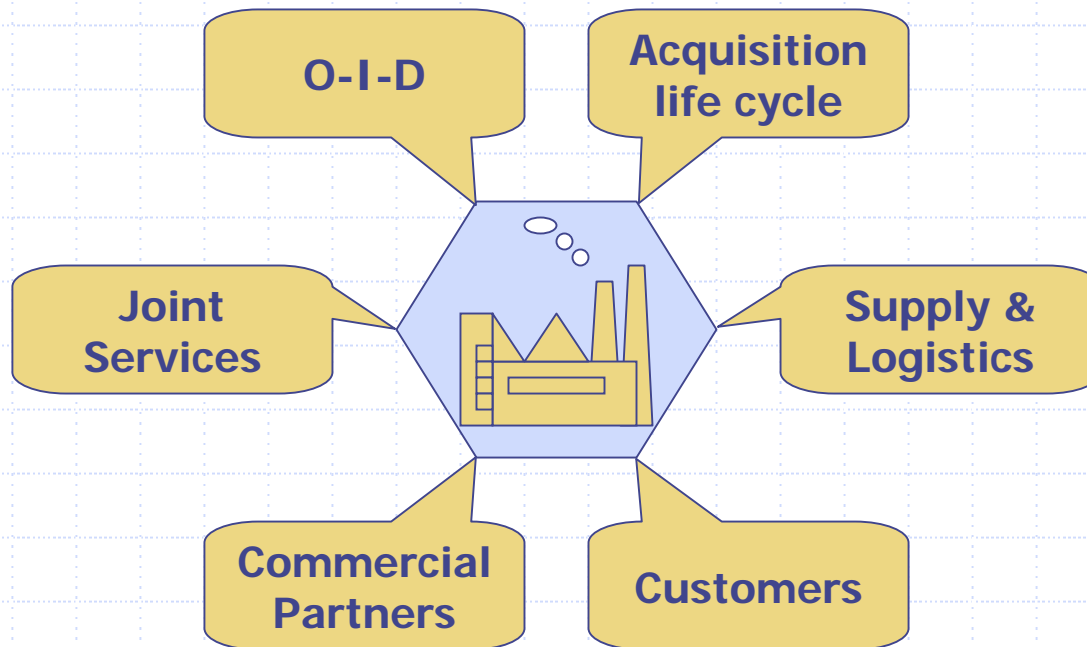
◆ Performance Measure – the bottom line

- *Aircraft Ready for Training/Operations*

A single depot capability

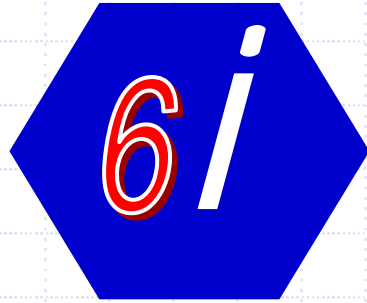


◆ Six dimensions to INTEGRATION



◆ Implementing 6i means Defense Transformation

Why



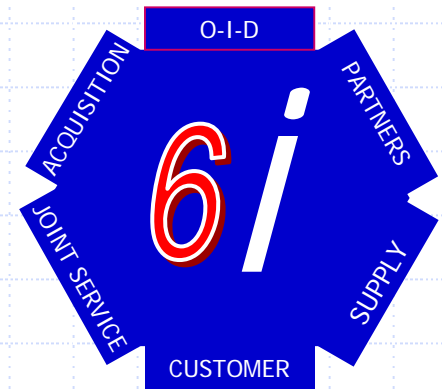
◆ Integration...

- *Breakdown barriers (organizational, process, system)*
- *Identifies sub-optimization*
- *Encourages overall process optimization*
- *Links everyone to overall top level goal*

◆ Performance Measure – the bottom line

- *Aircraft Ready for Training/Operations*

O-I-D



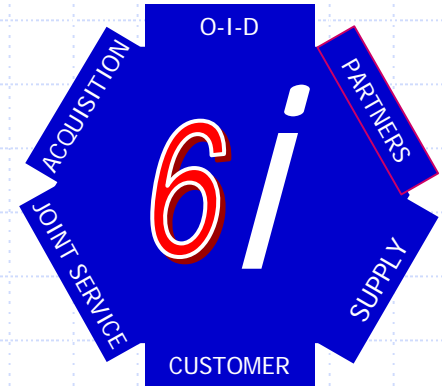
◆ Transformation:

- *Bring D level capabilities closer to the fleet*
- *Collaborative effort between levels of maintenance*
- *Make “On” and “Off” aircraft maintenance a seamless process*

◆ Benefit:

- *Reduced cycle time*
- *Reduced cost*

Commercial Partners



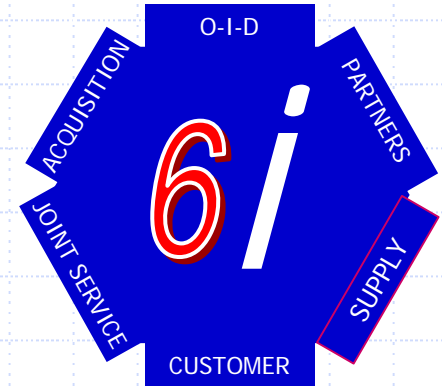
◆ Transformation:

- *Leverage the capabilities that organic depots do best and that commercial partners do best*

◆ Benefit

- *Improved material support*
- *Improved reliability*
- *Improved response time*

Supply and Logistics



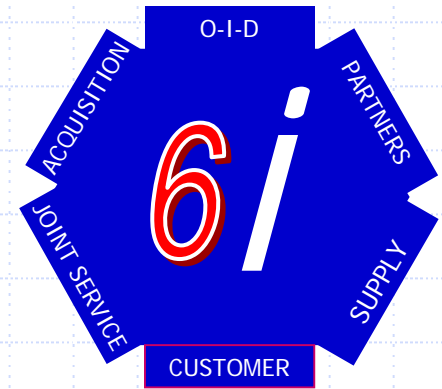
◆ Transformation:

- *Seamless AVDLR/exchangeable program management process*
- *Better forecasting of supply system requirements*
- *Integrate supply & maintenance competencies*

◆ Benefit

- *Better identification of spares pool priorities*
- *Effective scheduling of depot inductions/productions*
- *The right part, in the right place, in the right condition, at the right time, at the right cost*

Customer



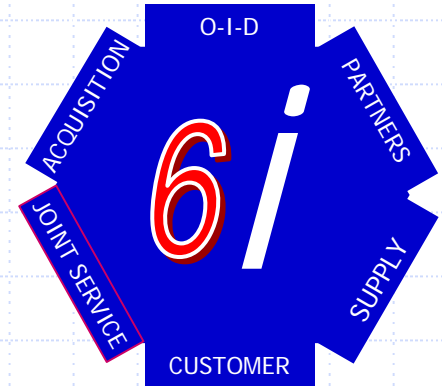
◆ Transformation:

- *Align maintenance to Fleet organization, operations and requirements*
- *Meet customer expectations for quality and cost*

◆ Benefit

- *Improved Fleet resource planning, programming and budgeting*
- *Improved operational planning*
- *Meet deployment schedules and mission requirements*

Joint Service



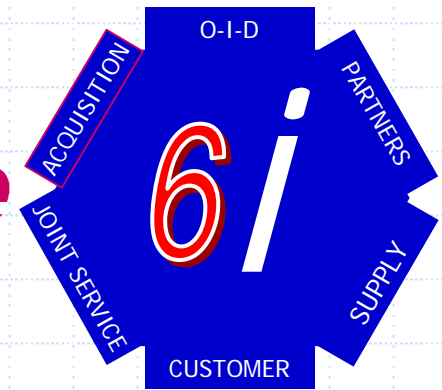
◆ Transformation:

- *Leverage each services capability investment*
- *Collaboration to satisfy unanticipated requirements*

◆ Benefit

- *Effective/efficient use of capacity*
- *Reduce risk of accomplishing surge*

Acquisition Life Cycle



◆ Transformation:

- *Integrate industrial capability planning with the acquisition life cycle process*
- *Build the industrial capability knowledge base as it grows through the life cycle*

◆ Benefit

- *Visibility of life cycle costs*
- *Ability to better allocate resources to improve reliability*