



The New DoD Systems Acquisition Process

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KEY FOCUS AREAS

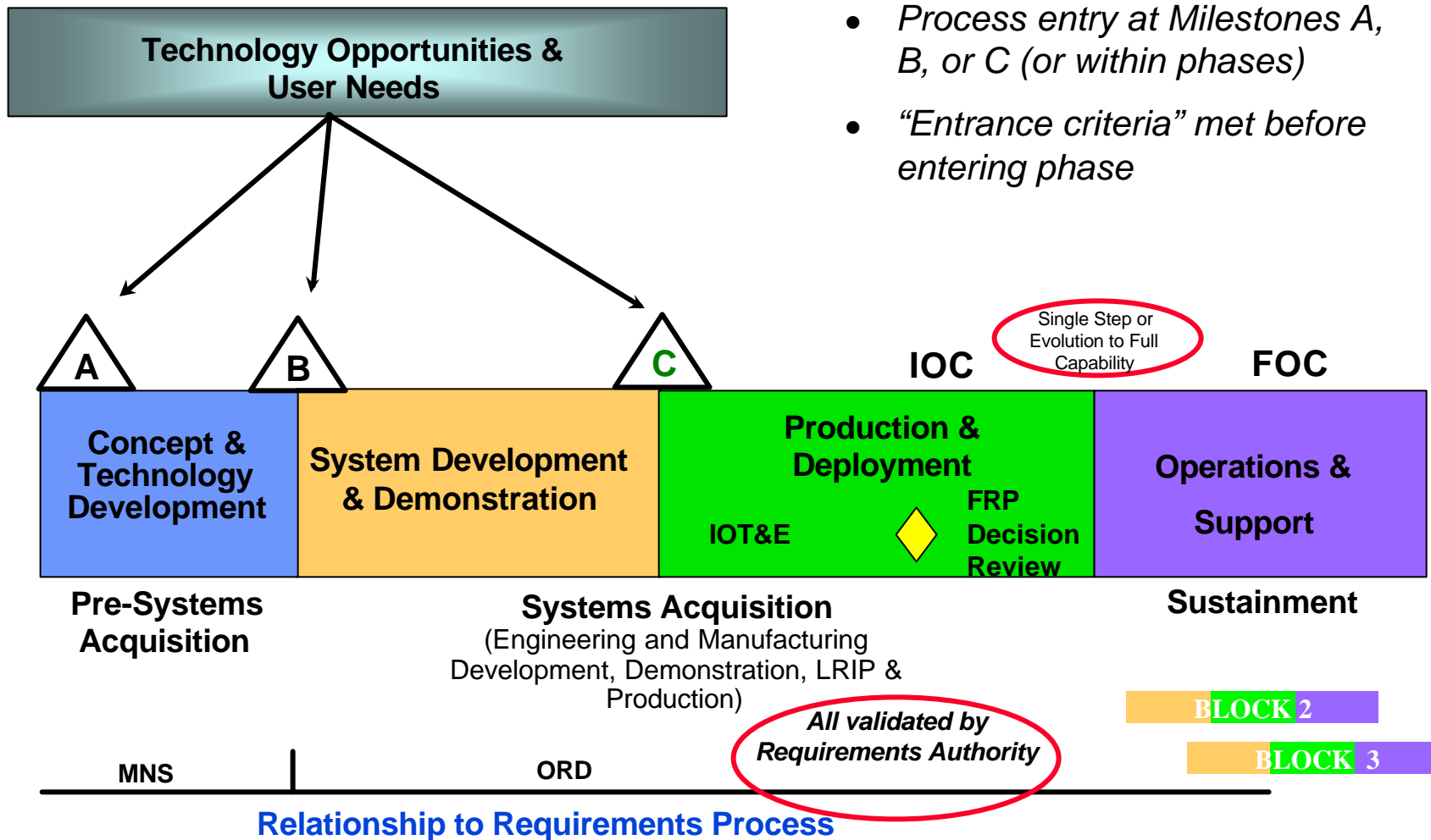
- **Deliver advanced technology to warfighters faster**
 - Rapid acquisition with demonstrated technology
 - Full system demonstration before commitment to production
- **Reduce total ownership costs and improve affordability**
 - Cost as a requirement that drives design, procurement, and support
 - Increased competition
- **Deploy interoperable and supportable systems**
 - Interoperability demonstrated prior to production
 - Integration of acquisition and logistics
 - Improved software management

Improved performance (including quality) at lower cost.

New Model

- ***Technology opportunity and mission need present*** - before entering acquisition process
- ***Multiple process paths*** - not just one way of entering systems acquisition and commercial products allow later entry
- ***Evolutionary acquisition*** - based on *time-phased requirements* - preferred (but not only) approach
- **Technology development *separated* from systems integration** - achieve proven technology before beginning systems-level work at Milestone B
- **“LRIP” *more important Departmental commitment*** - than “Full Rate”
- **“*Entrance criteria*” met** -- before entering next phase
- ***Operations, Support, and Disposal*** - part of acquisition process

The New 5000 Model



Total Ownership Costs

- **Use *market research* and *commercial products*** - to increase competition
- **Use *Open Systems Architecture*** - to reduce cost of technology insertions
- **Use *Dissimilar Competition*** - non-head-to-head alternatives to meet capability need
- **Increase use of *Simulation Based Acquisition*** - to reduce costs for hardware prototype
- ***Reprocurement reform*** -- based on business case analysis of predicted life, tech insertion opportunities, and cost reduction potential

Affordability

- ***Value addressed*** - in the ORD by user
- ***Minimum number of mission-oriented Key Performance Parameters*** - to facilitate cost-performance trades
- ***Affordability analysis*** -- at each milestone decision point

Interoperability

- **Interoperability requirements identified as Key Performance Parameters (KPP)**
- **Use of a C4I Support Plan to discuss how to meet Interoperability KPP**
- **“System-of-systems” management approach**
 - **Capstone Requirements Documents**
 - **MDAs & Testers will ensure thorough understanding of critical system interfaces and flow of consistent/reliable data/information between systems in the battlefield**
 - **Mutual understanding of key systems in a mission area**

Supportability

- **Total life-cycle view, including operations, support, and disposal**
- **Increased emphasis on human factors and manpower**
- **Emphasis on reliability built into design**
- **Requirement for supportability to be addressed in acquisition strategy**

Simulation Based Acquisition in the 5000 Series

DoDD 5000.1

- SBA addressed as part of “effective management”**

DoDI 5000.2

- Discussed as part of “discovery” process and system demonstration**

DoD 5000.2-R

- Covered in acquisition strategy, test and evaluation, and design section**

Commitment to Implementation