



Defense Acquisition University

STANDARDIZATION IN THE ACQUISITION LIFECYCLE

29 AUGUST 2011

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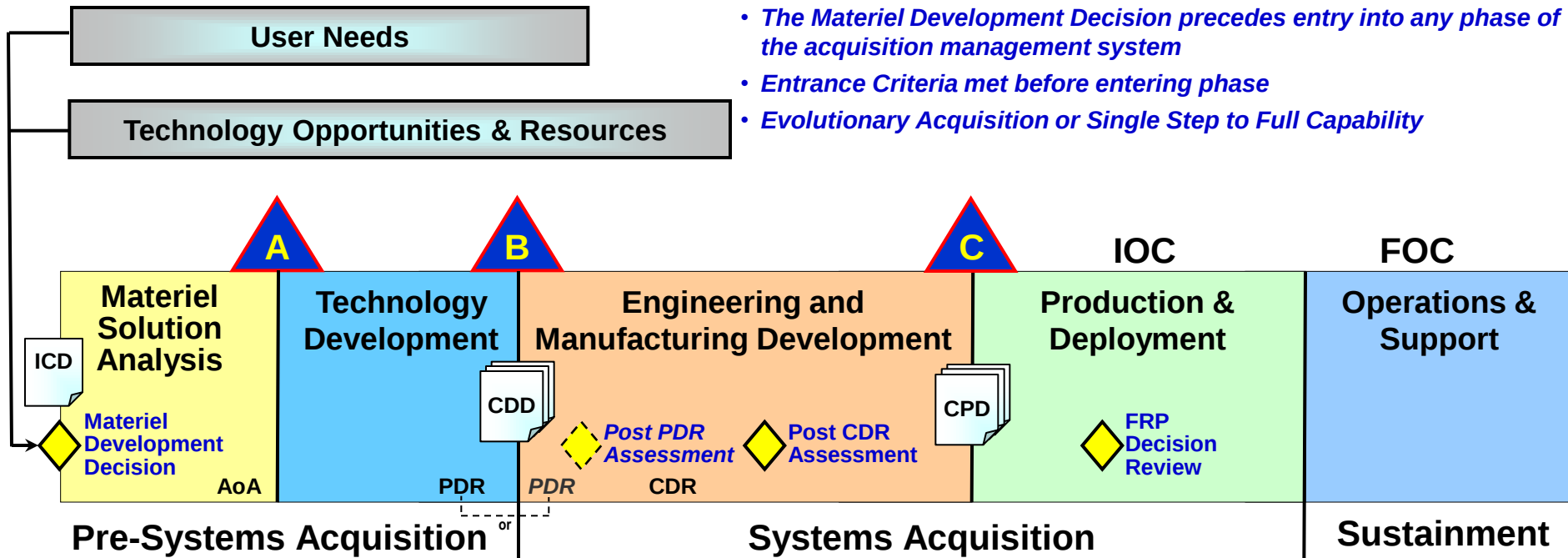


What is Standardization?

- The process of developing and agreeing on (by consensus or decision) uniform engineering criteria for products, processes, practices, and methods for achieving compatibility, interoperability, interchangeability, or commonality of materiel.



DoD Acquisition Lifecycle



PDR: Preliminary Design Review
CDR: Critical Design Review
FRP: Full Rate Production

IOC: Initial Operational Capability
FOC: Full Operational Capability

Evolutionary Acquisition is the preferred approach

Learn. Perform. Succeed.



DoD Acquisition Lifecycle - 2

- Pre-Systems Acquisition focus is on identifying and maturing promising technologies
- Systems Acquisition focus is on developing, demonstrating and fielding capability
- Sustainment focus is on supporting fielded capability



Standardization in the Acquisition Lifecycle

- Provides proven and demonstrated products and practices
- Helps assure users' needs will be met
- Minimizes risks
 - Cost
 - Schedule
 - Performance



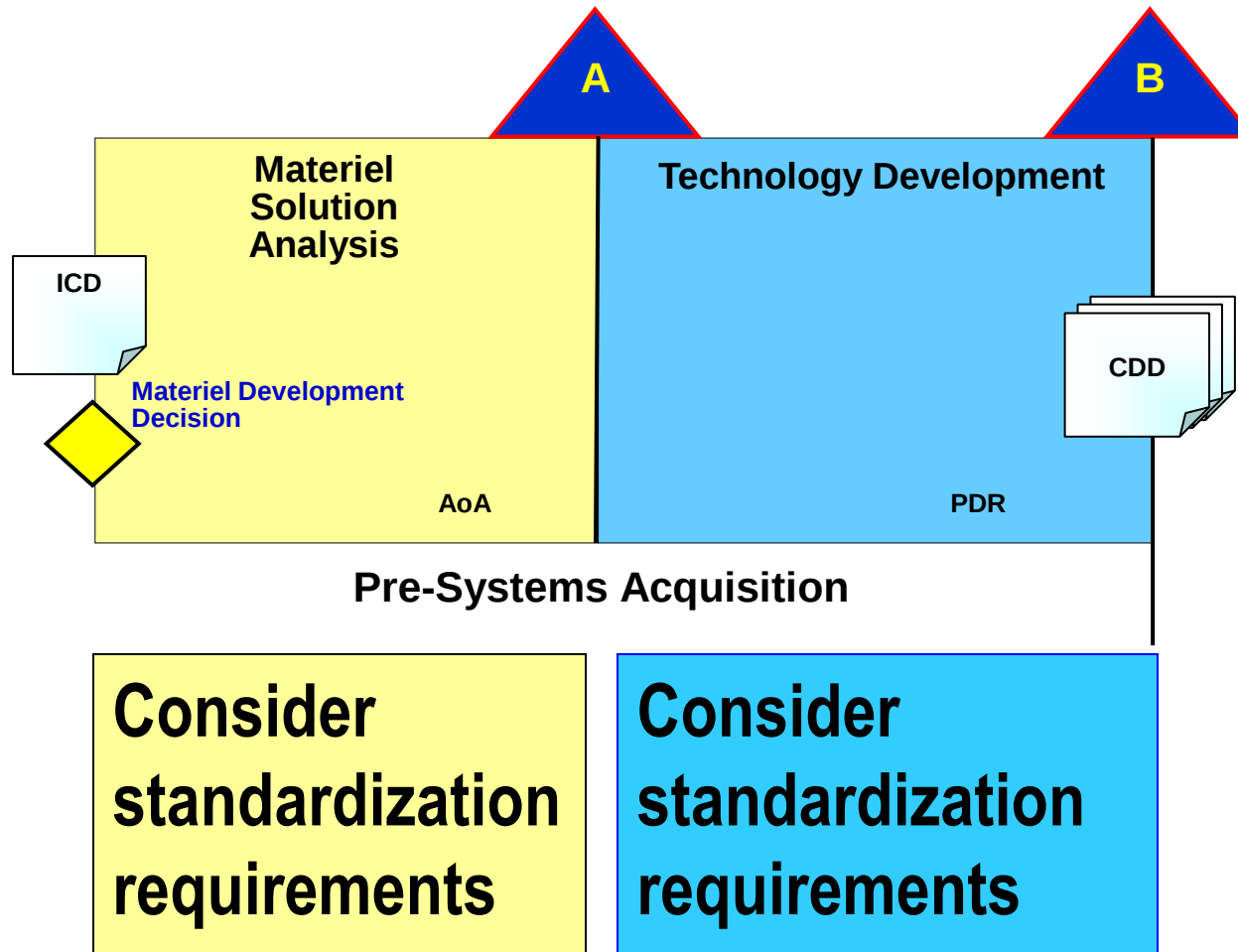
Standardization in the Acquisition Lifecycle

- Area for consideration in decision-making
 - Market Research
 - Trade-off analyses
- Systems Engineering Tool
- Provides a foundation for supportability

When properly applied, standardization is an enabler of acquisition success



Standardization in Pre-Systems Acquisition





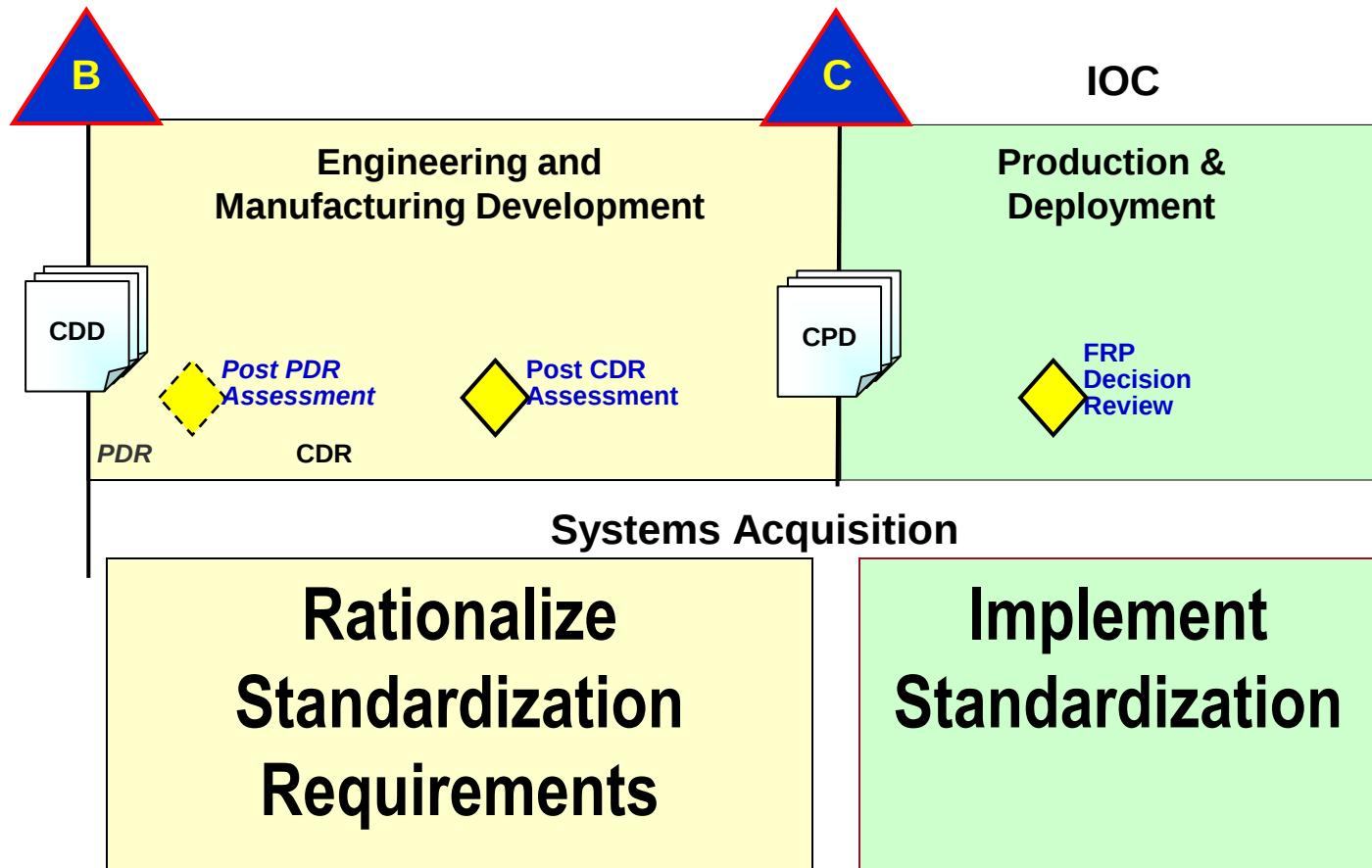
Consider Standardization Requirements

- Performance
- Interoperability and Interfaces
- Technology Insertion
- Sustainment
- Safety
- Compliance



Standardization in Systems Acquisition

FOC





Rationalize Standardization Requirements

- Use of existing standards
- Tailoring of standards
- Development of new standards
- Parts Management



Implement Standardization

- Technical Data Package
- Parts Management
- Continuous Improvement



Standardization in Sustainment

IOC

FOC

Operations &
Support

Sustainment

Maintain and
Improve
Standardization



Maintain and Improve Standardization

- Ensure conformance
- Implement and update parts management plan
- Update documentation
- Identifying new opportunities for standardization



Standardization Management

- Policy
- Technology
- Documents



Policy Management

Strategic

Defense
Standardization
Executive*

Component
Standardization
Executive

Tactical

Defense Standardization
Program Office (DSPO)

Departmental
Standardization Office
(DepSO)

Command
Standardization Office
(ComSO)



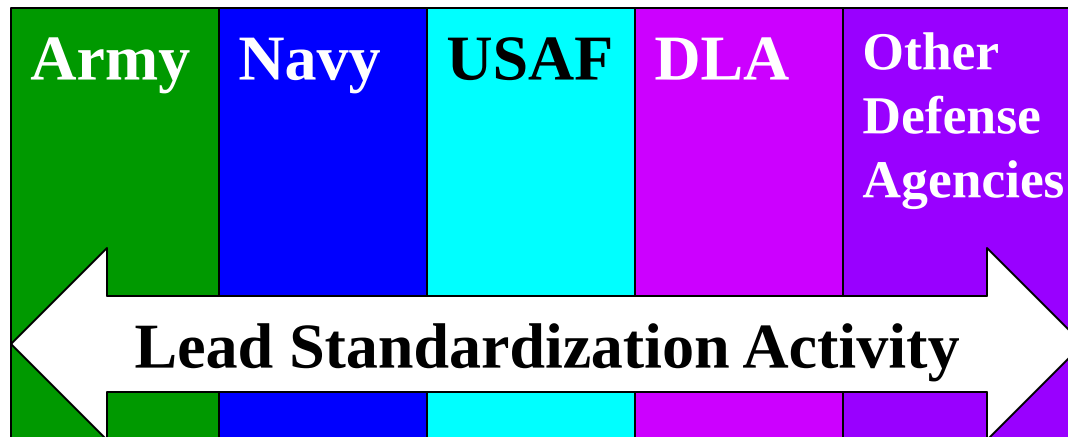
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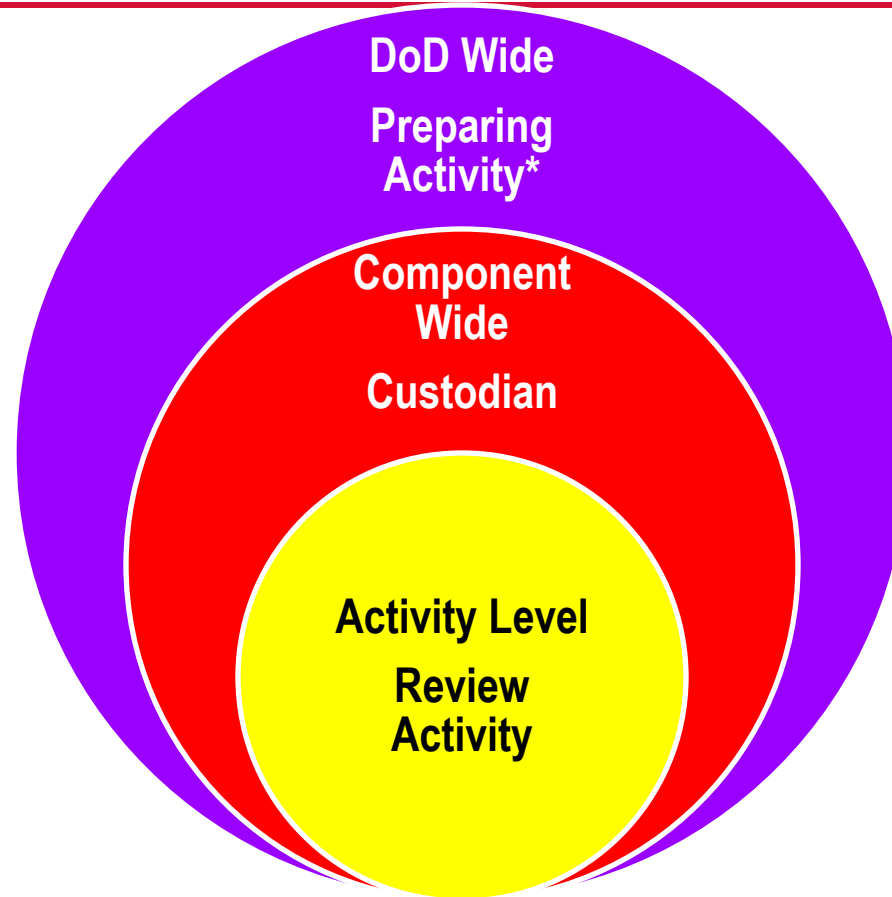
Technology Management

- Managed by Federal Supply Class/Group or Standardization Area
- Lead Standardization Activity
- Assignments listed in ASSIST Database





Document Management



*For Non-Government Standards the Activity Responsible for DoD-Wide coordination is called an Adopting Activity

** Document responsibilities are listed in the ASSIST Database

Learn. Perform. Succeed.

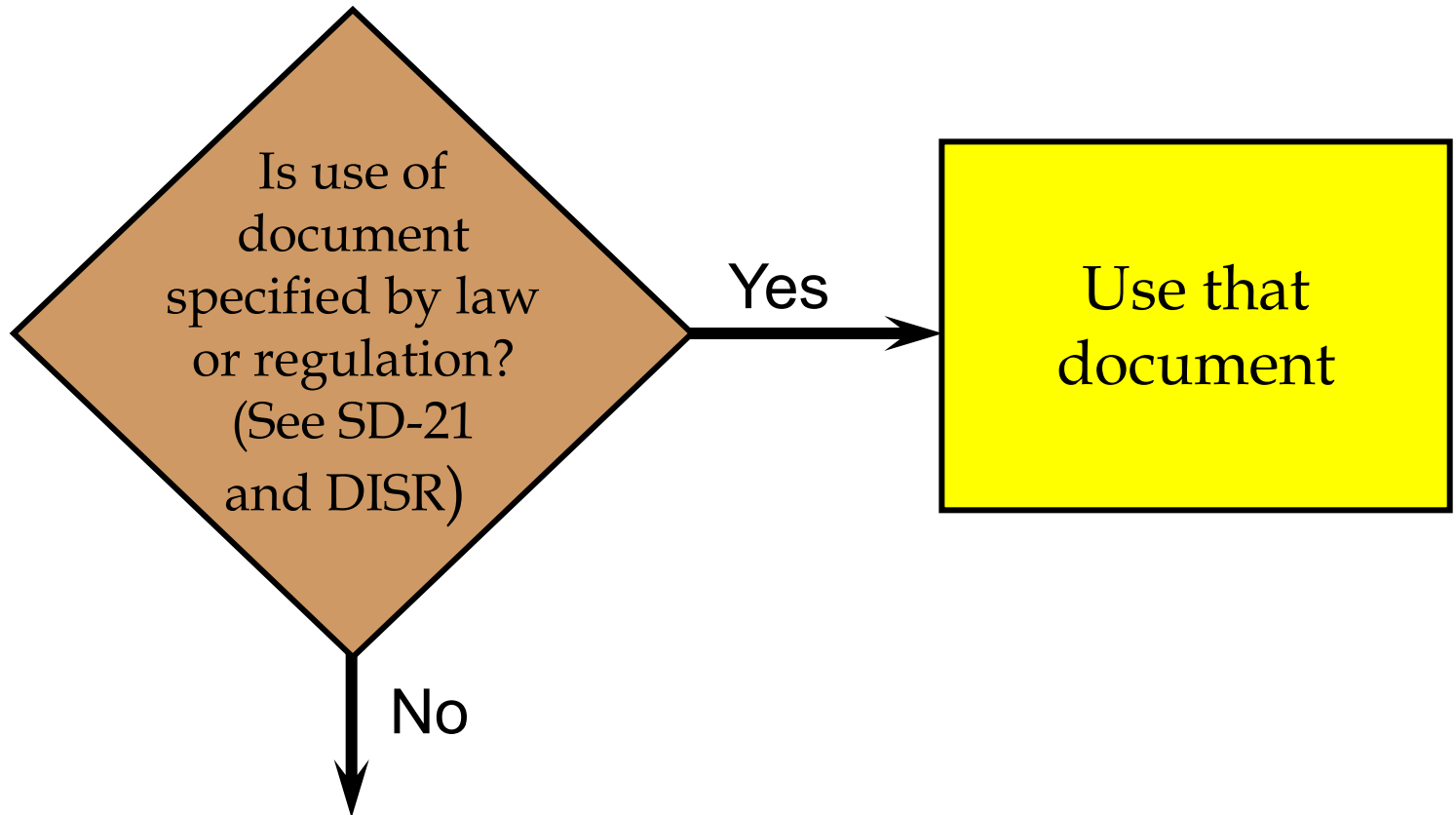


Use of Standardization Documents

- Selection
- Application
- Tailoring
- Contractual Aspects



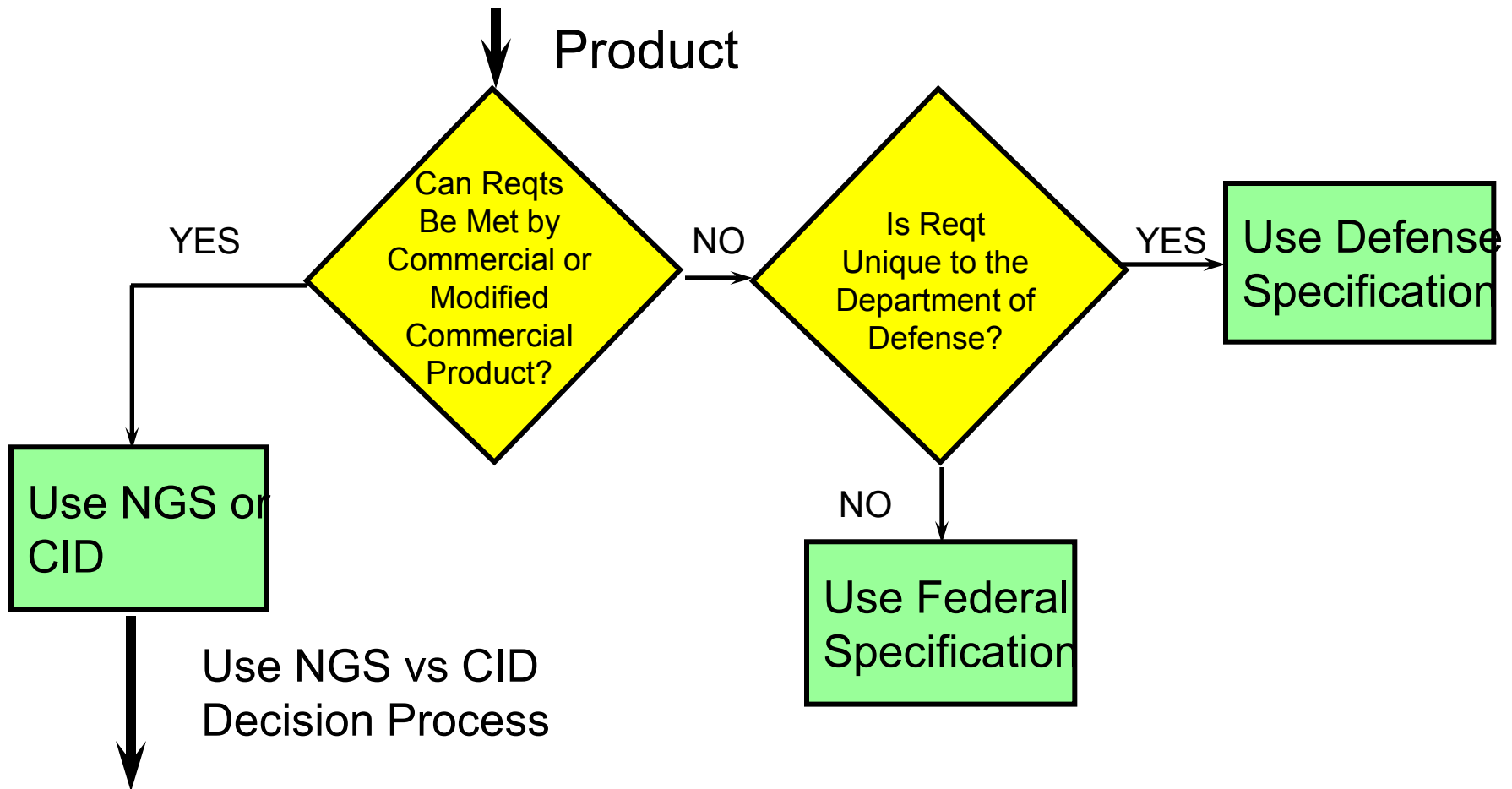
Selection of Standardization Documents





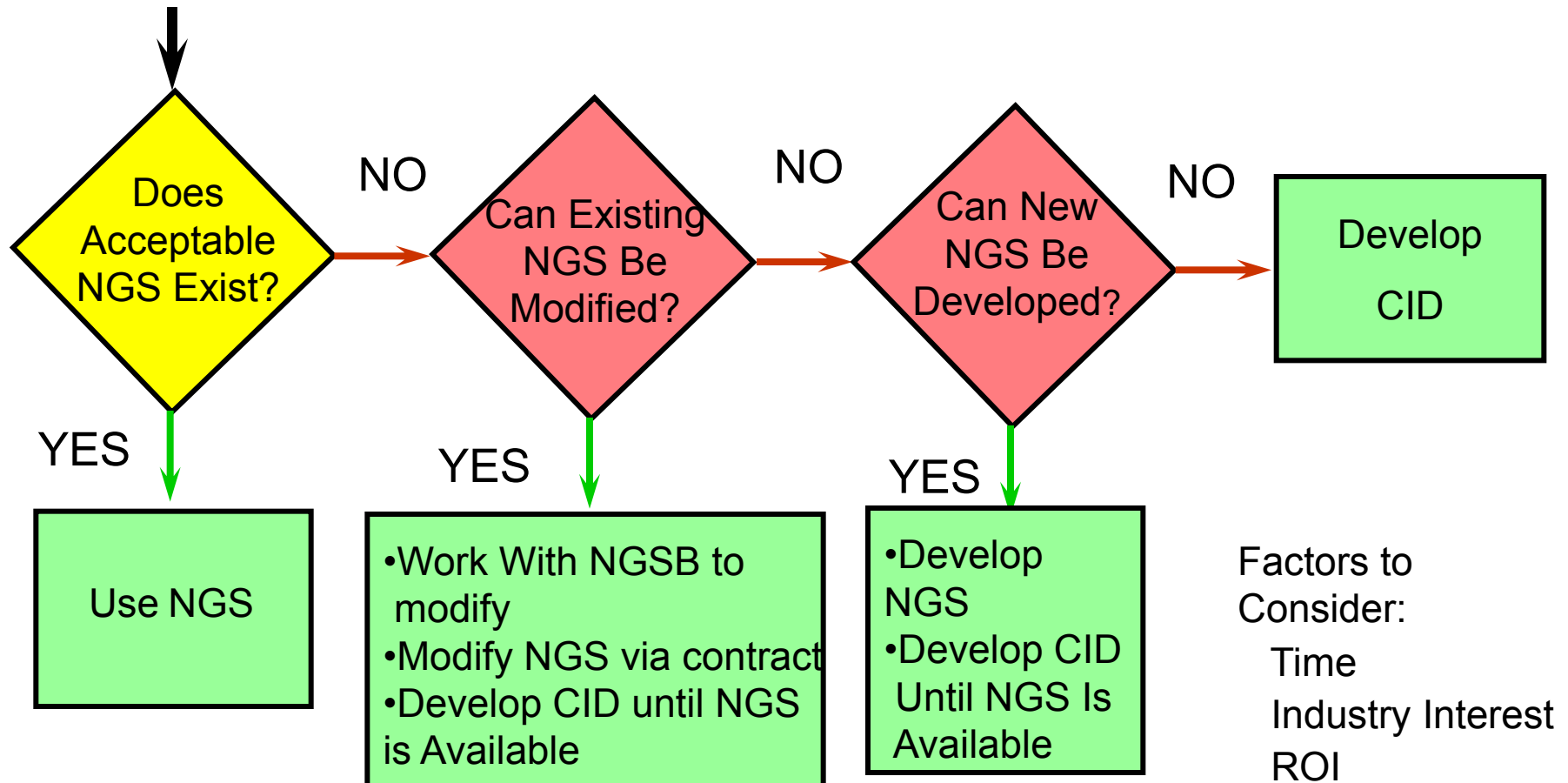


Selection of Standardization Documents - 3





Selection of Standardization Documents - 4





Application of Standardization Documents

Referencing

- Citation of a document
- Identify specific issue or revision
- Changes incorporated as reference is updated (may be pro or con)
- Must refer to referenced document to determine requirement

Extraction

- “Cut and paste”
- Requirements are self-contained
- Copyright issues
- Requires updating when source is updated
- May affect readability

For short references, extraction is generally preferred



Tailoring of Standardization Documents

- Limitation of requirements
 - Methods, types, classes, etc.
 - “When specified” or “Unless otherwise specified” requirements
- Modification of Requirements
- Exclusion of Requirements

Standardization Documents should always be tailored for the specific application



Contractual Aspects of Standardization Documents

- Ambiguity
 - Generally ruled against drafter of requirement
- Possibility
 - Usually addressed by contract type
- Implied Warranty of detail specifications



Questions?

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