

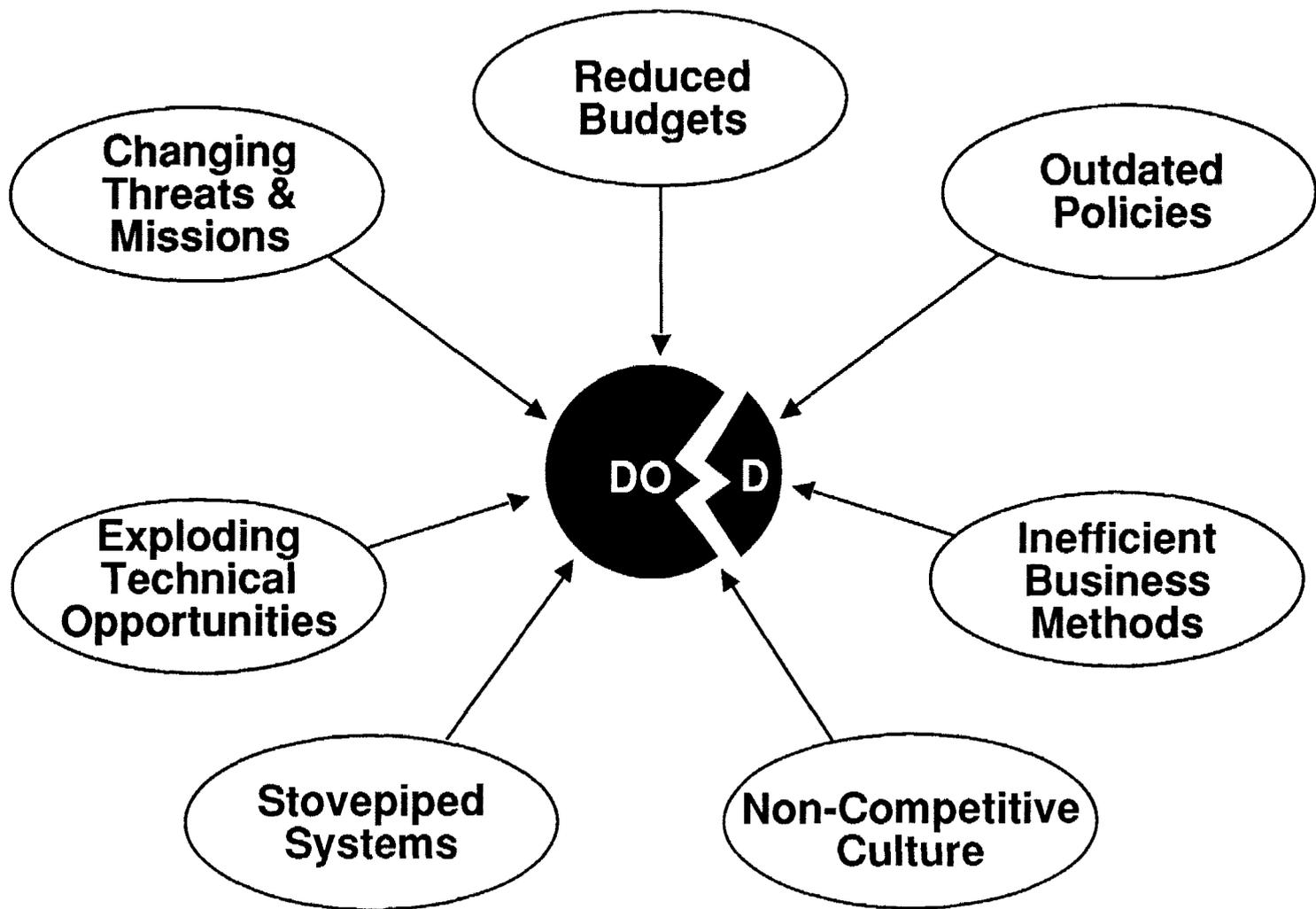
Open System Evolution - How to Make It Happen

**Mr. Denis Brown, Director
Center for Information Management
Defense Communications Agency**

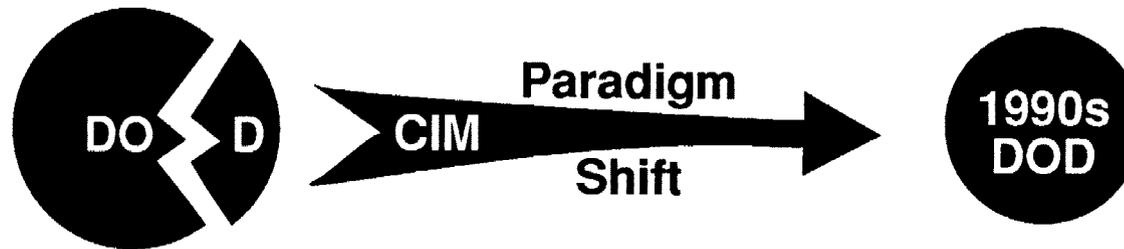
June 19, 1991



The DOD Problem



Systems Solutions



Now

Technically-driven
Tactically planned
System-unique
Stovepiped
Custom
Static development
Inefficient

Tomorrow

Business-driven
Strategically planned
Standards-based
Integrated
COTS
Evolutionary
Competitive & efficient

Center for Information Management

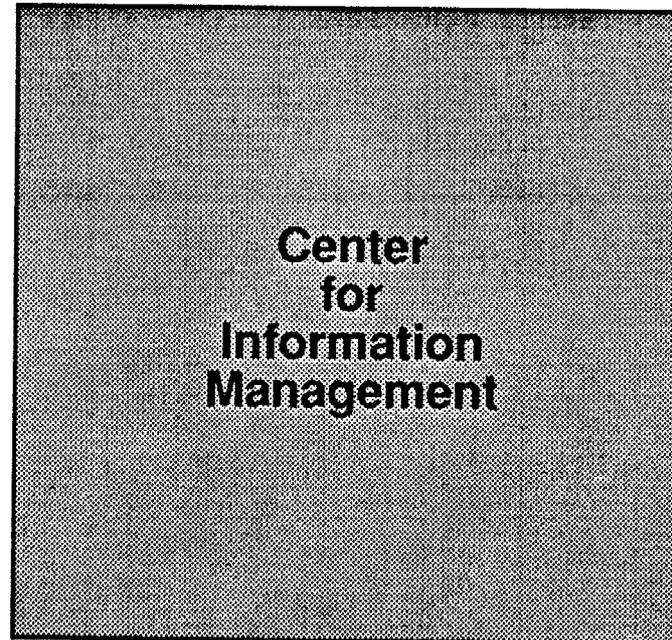
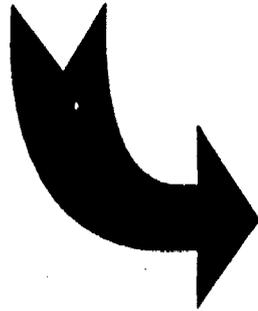
- **We know what the problems are**
- **We know what the solutions are**
- **Now we need to make IT happen thru,**
 - **A culture change**
 - **High leverage/near-term payback opportunities**
 - **Engineering level/project implementation focus**
 - **Hard work**

The Center's Role

ASD (C3I)

**Policy,
Guidance**

**Improved
Processes
& Information
Systems**



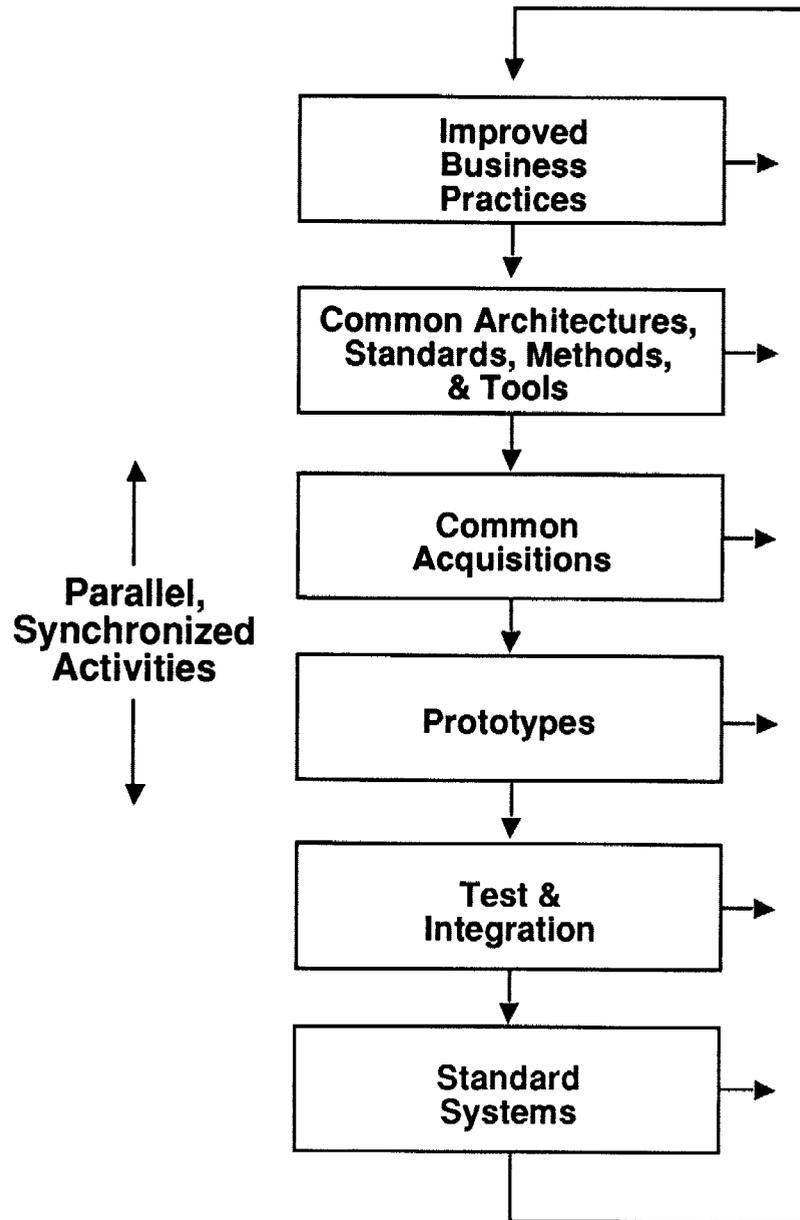
**Value
Added**

Customers

- **Services**
- **Agencies**
- **Commands**

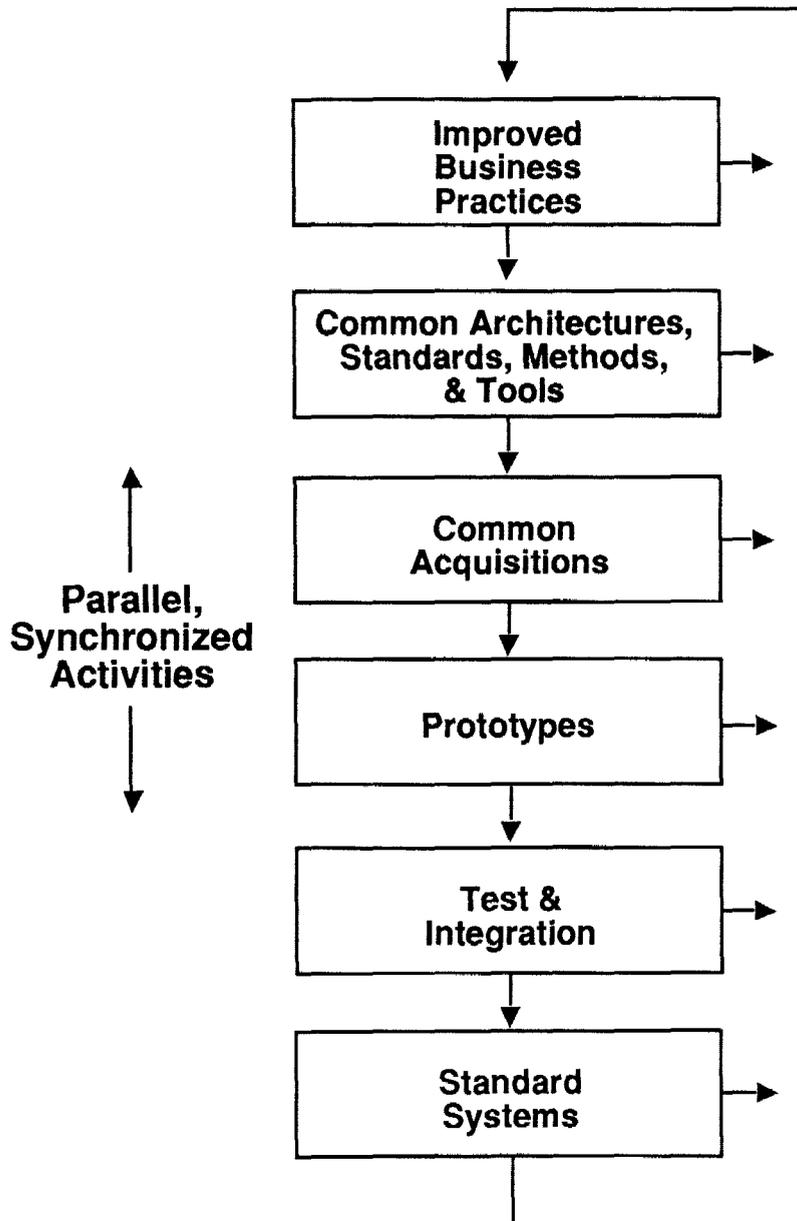
Make It Happen

Approach



Approach

Features



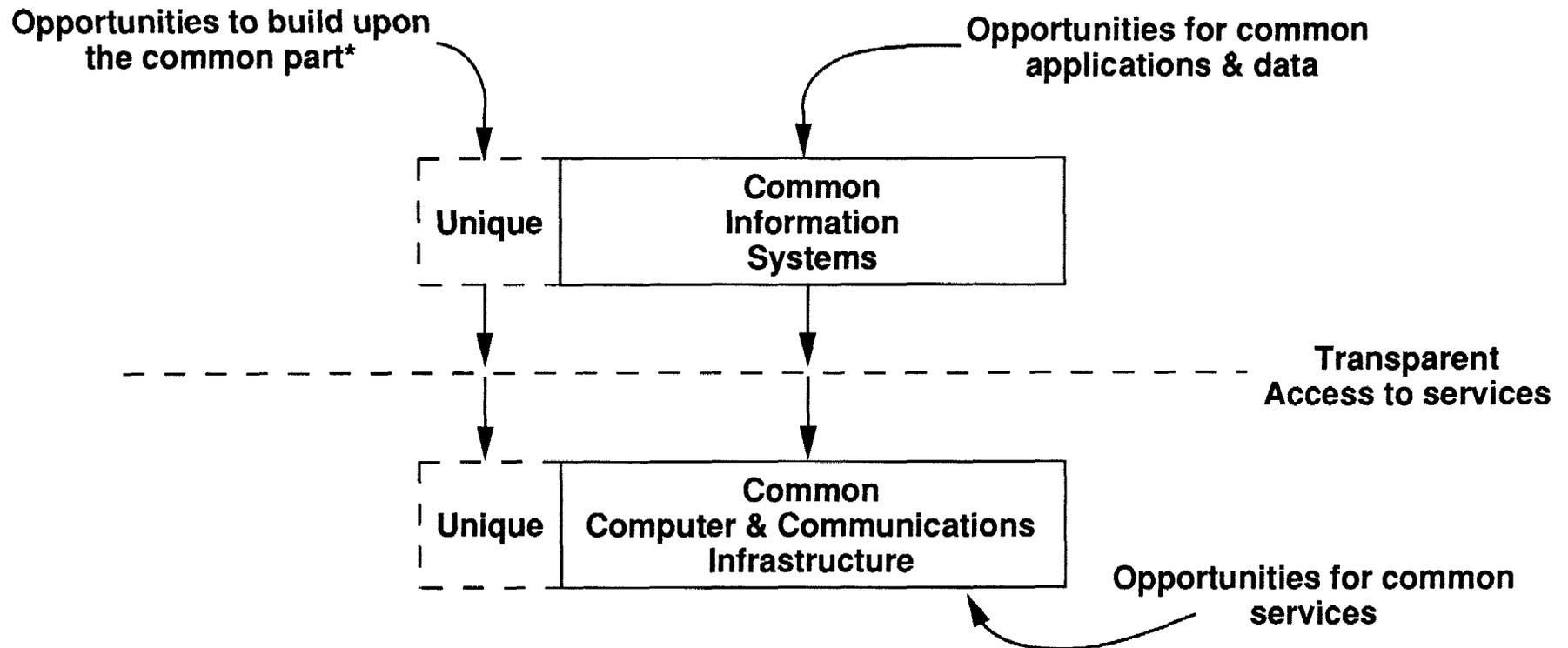
- **Business Improvements**
 - Drive evolution
 - Measure of success
- **Common Architectures**
 - Broad frameworks
 - Guide evolution
- **Standards**
 - Vendor independence
 - COTS
 - Interoperability
 - "Plug and play"
- **Common Methods & Tools**
 - Better process
 - Reliable & reproducible
 - Faster and cheaper
- **Common acquisitions**
 - Efficient
 - On-time delivery of info system parts
- **Prototyping**
 - Risk reduction
 - Innovation
 - "Spiral" into user products
- **Test & Integration**
 - Ensure fit
 - Validate business utility
- **Standard Systems**
 - Designed & engineered to continually evolve
 - Improved life cycle process "built in"

Let's Get Down to Business !

- Improved business methods are the drivers for information system change
- Major \$ savings come from making business practices more efficient and effective
- This is a continual process - open systems can help by:
 - Creating a flexible environment to accommodate change
 - Supporting new business practices with the right technology
 - Creating efficiencies in the information systems themselves

**User Question: But my business is different.
How does this apply to me?**

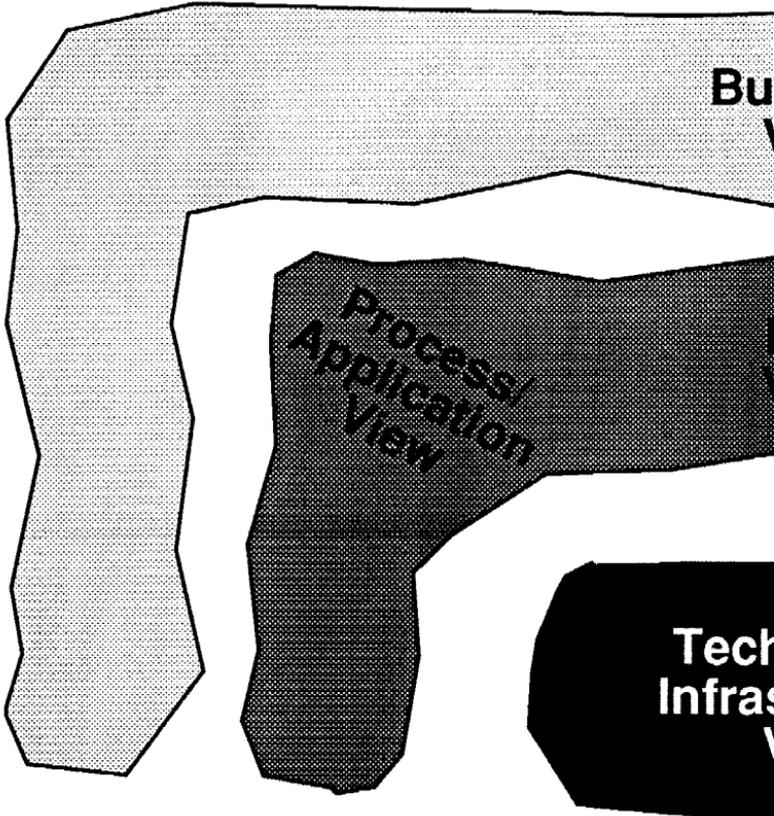
Yes There are Differences, but ...



- There are enormous opportunities to simplify and standardize data, applications, and the computer/communications infrastructure
- We need a larger picture, or framework to guide our efforts

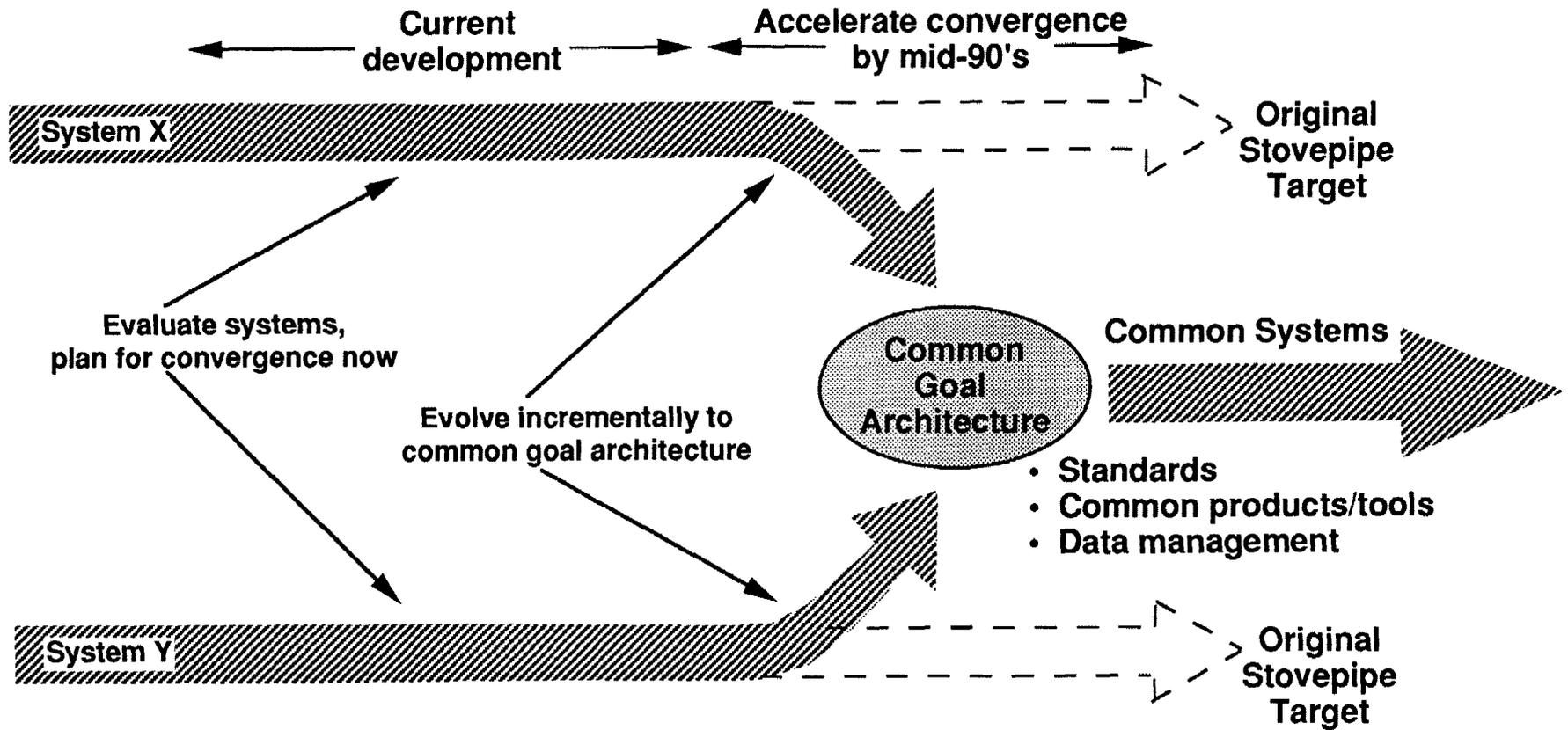
* To meet validated unique requirements

We Need a Com



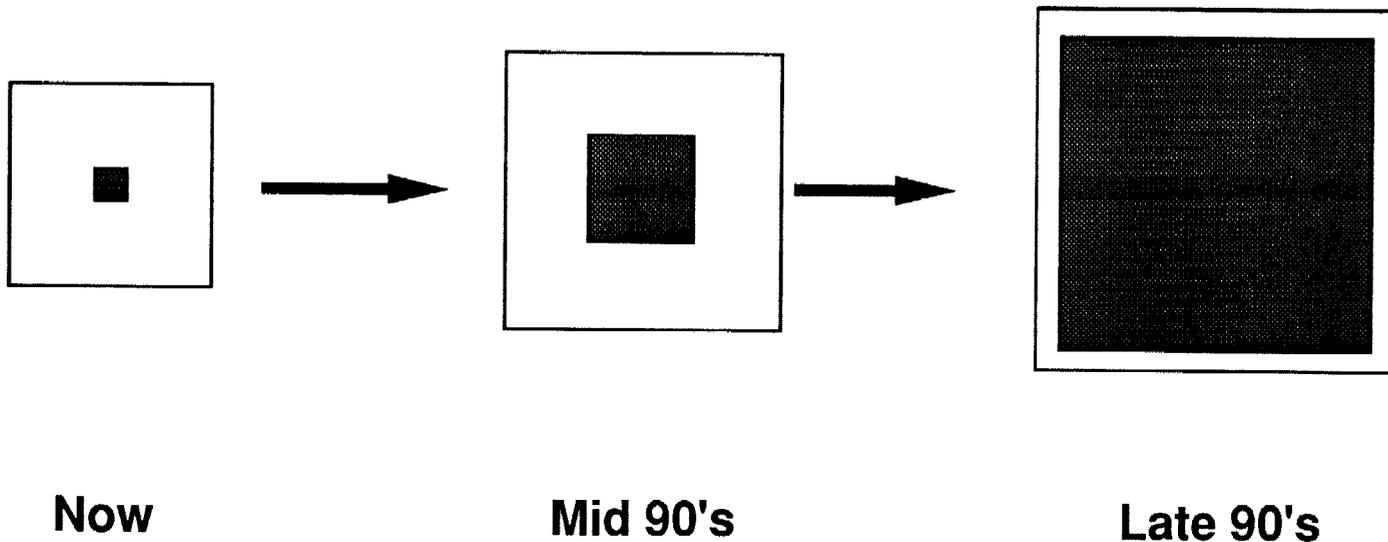
- Driven by business needs
- Frameworks to guide change
- Action & success oriented
- A pro
- Vie
- I

Let's Converge!



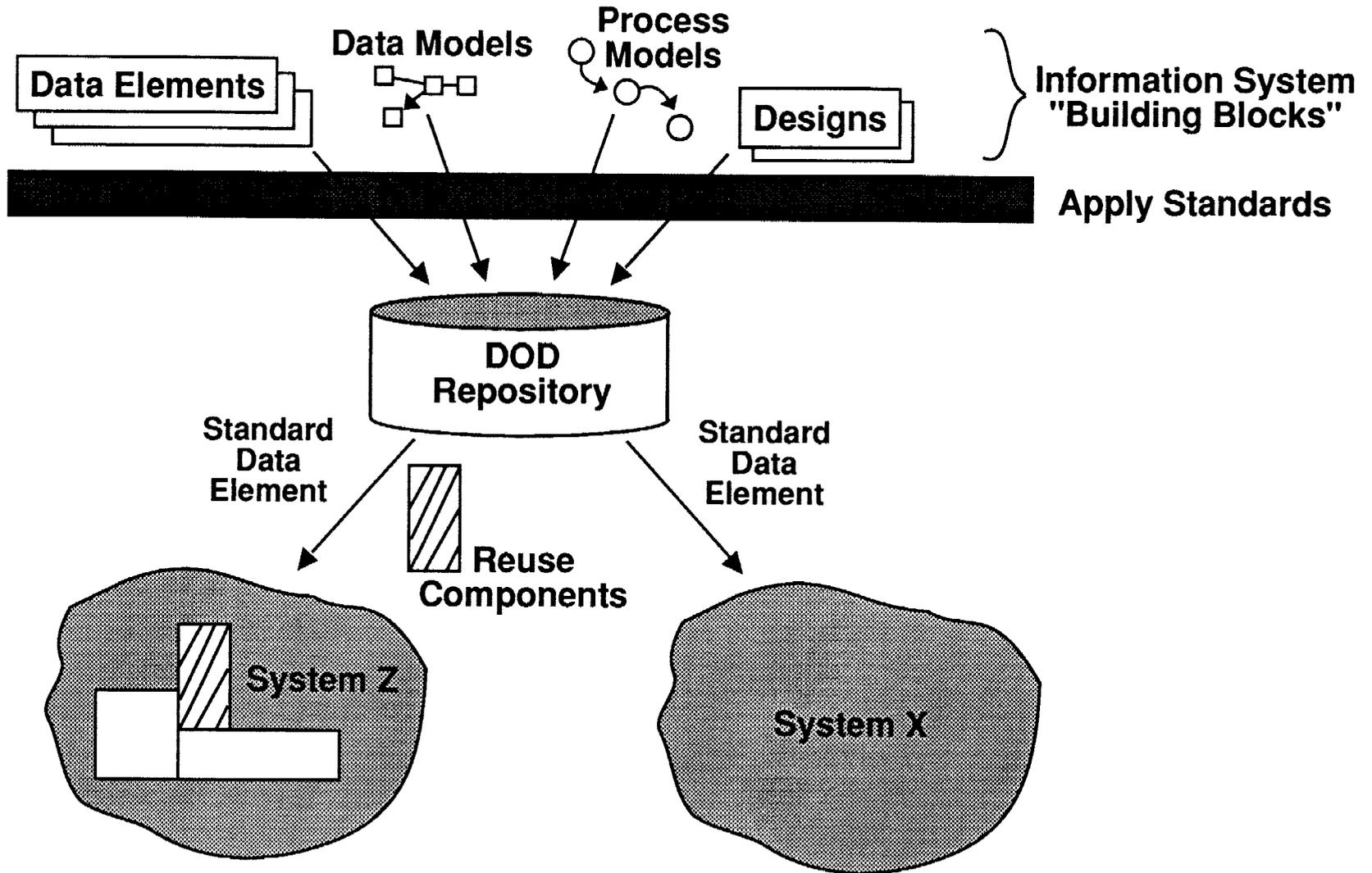
... And Standardize

Standards-Based Information Systems

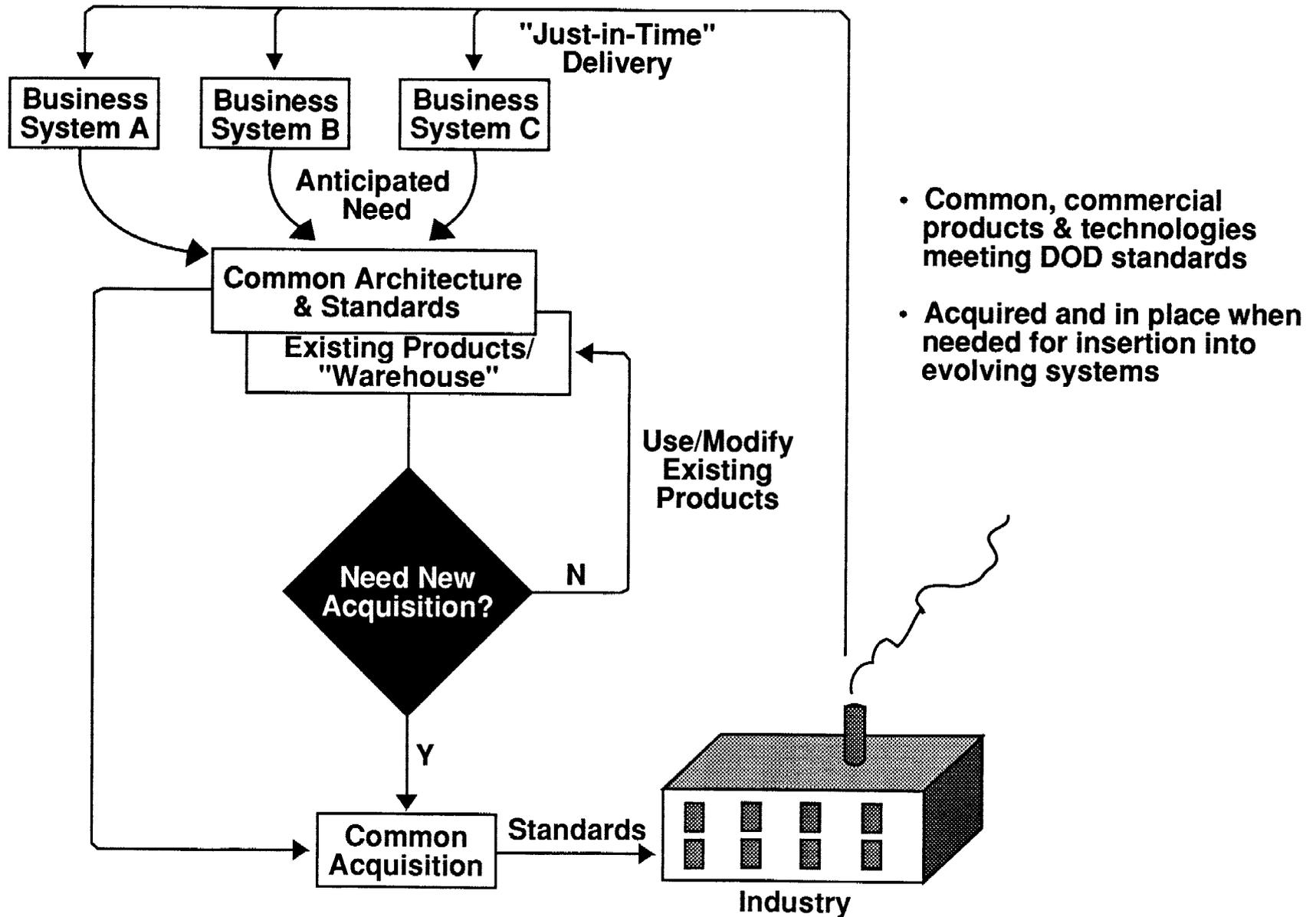


 Standards-Based Part

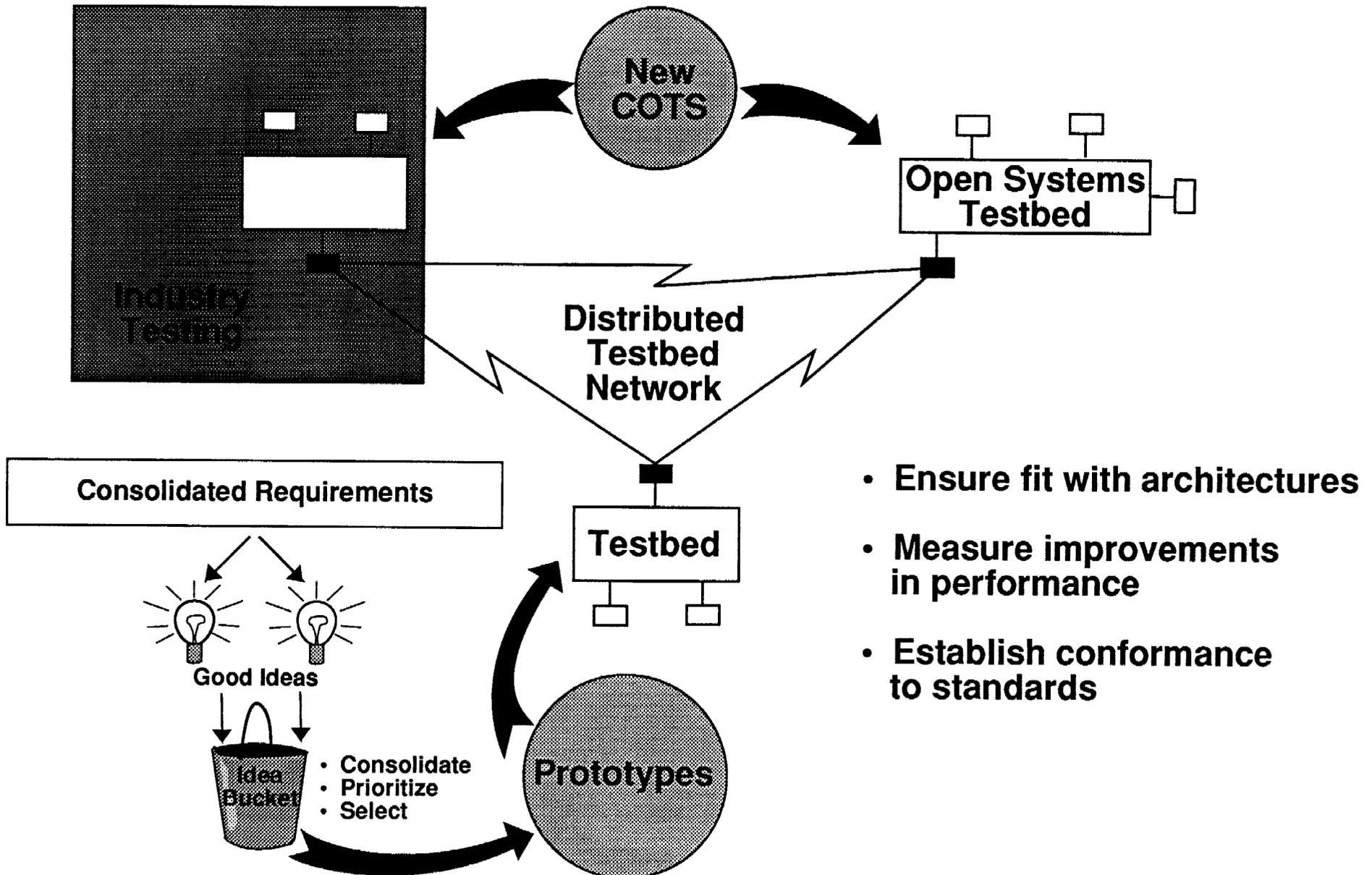
Data Management Process



Common Acquisitions

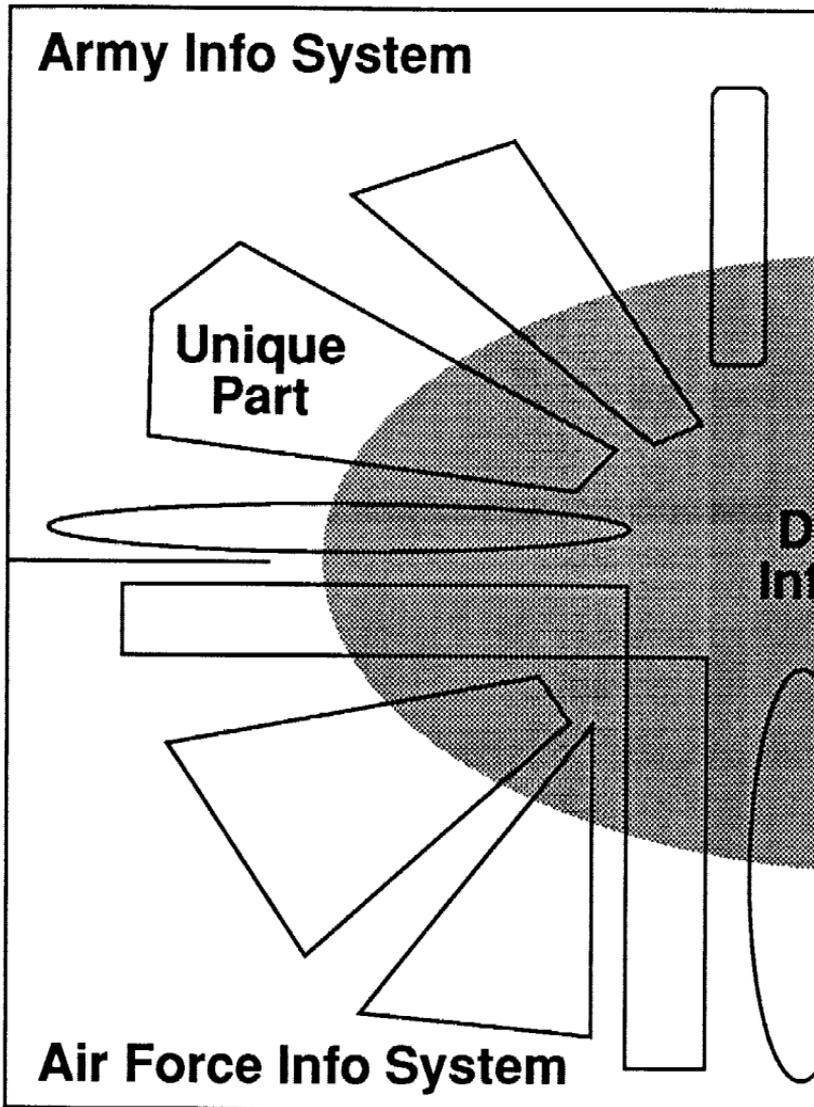


Prototyping, Coordinated Integration & Test

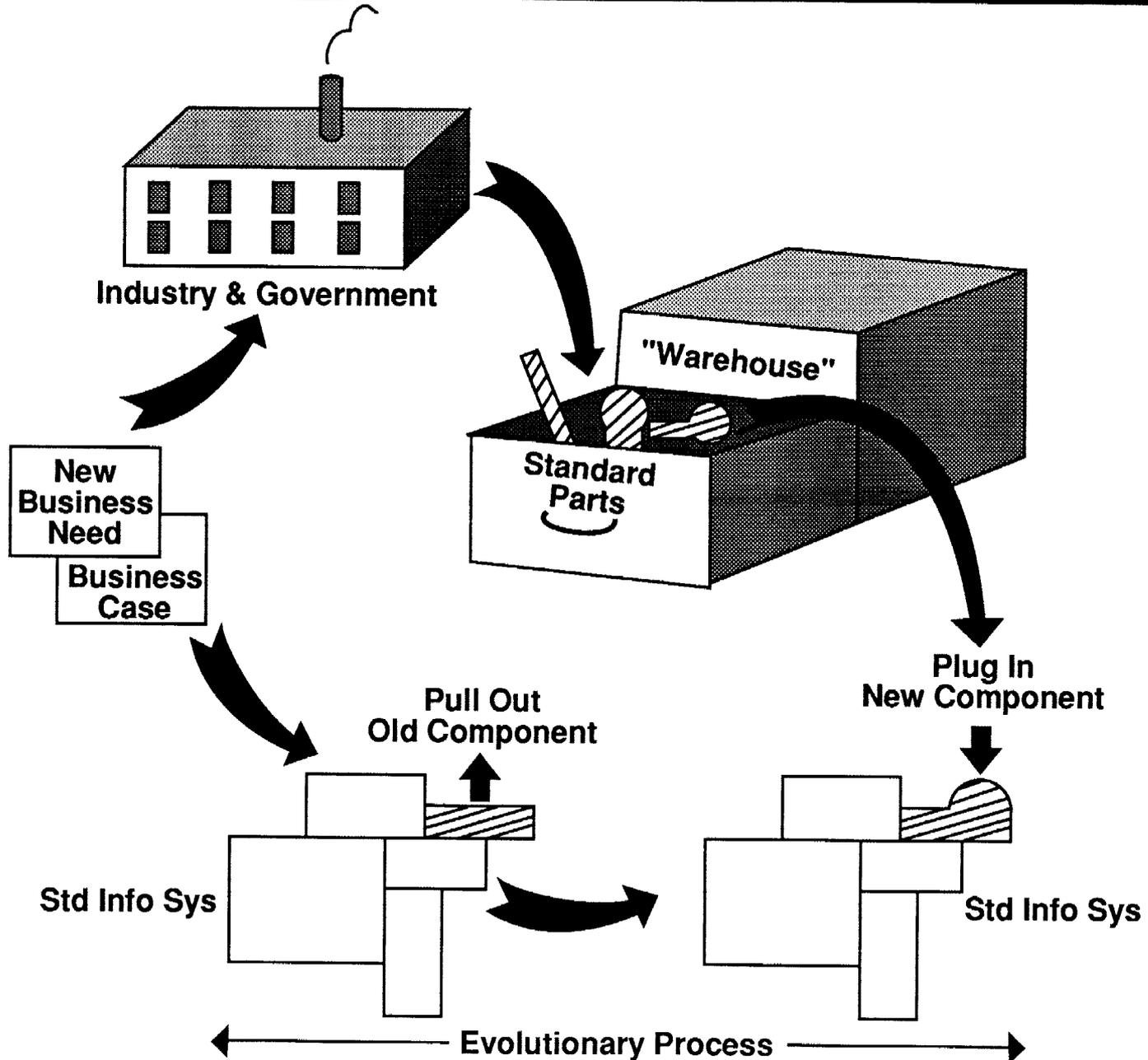


Result: Our

DOD Inform



Future Process



To Sum It Up, We Believe Organizations ...

- **Can evolve their systems to:**

- **Improve productivity/
business practices**
- **Accomodate change**
- **Guide development**
- **Achieve flexibility &
interoperability**
- **Reduce costs & insert
technology faster**
- **Innovate & reduce risk**
- **Ensure solutions work**
- **Attain a higher plateau
of improved information
systems with evolution
"built-in"**

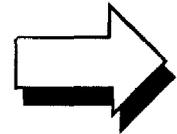
- **Through:**

- **Strategic planning**
- **Common architectures**
- **Standards**
- **Common methods and tools**
- **Common, COTS
acquisitions, reuse**
- **Prototyping**
- **Test & integration**
- **Common systems**
- **Monitoring performance/
feedback mechanisms**

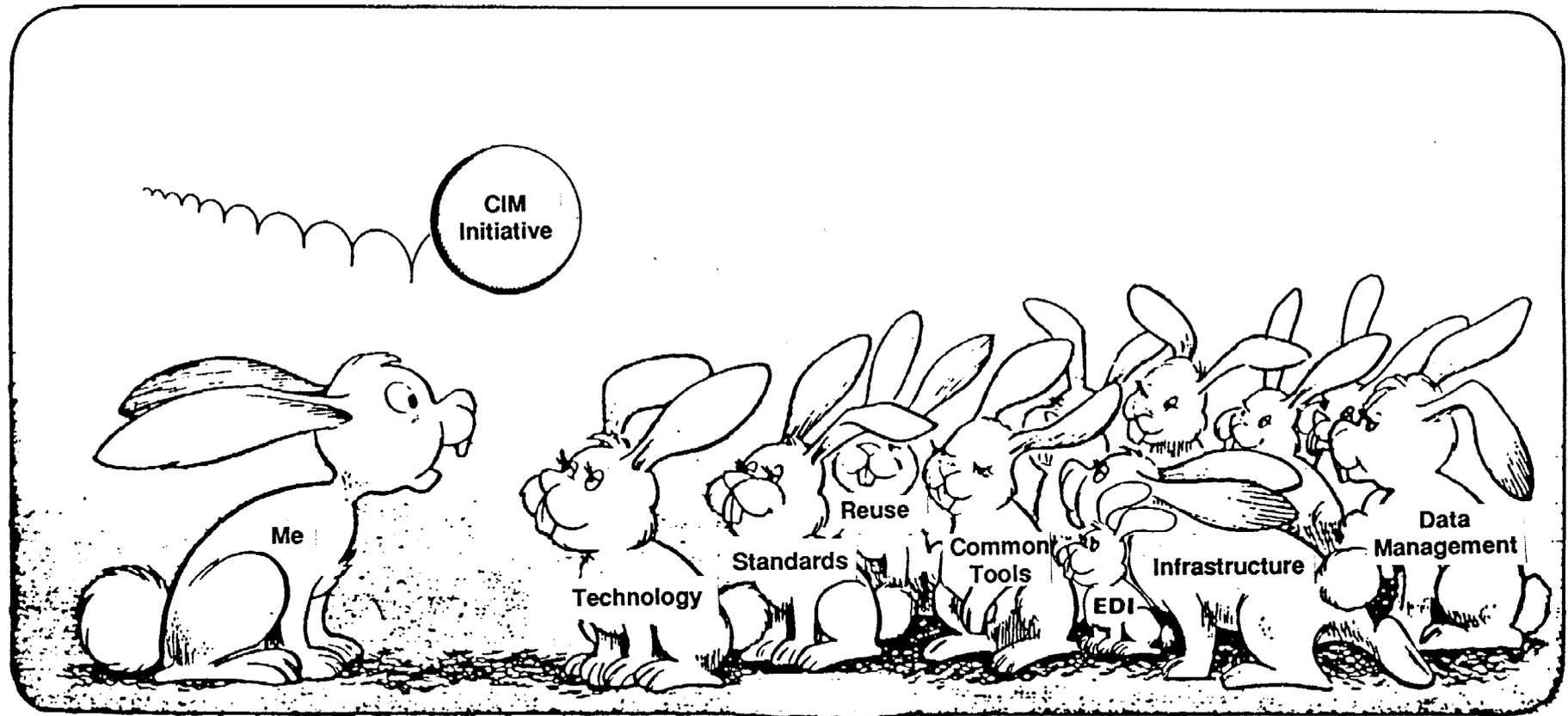
Do We Have All the Answers?

- Not yet
- But, together we'll find them
- If you have a good idea, come see me

My door is always open, and I'm easy to recognize



Center for Information Management



Finally - We Need Good People!

- If you want,
 - Challenging, innovative work
 - That will make a difference to the Government and our country
- Then,

We want you 

- Please write to:

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Headquarters, DCA
Code XAA
701 South Court House Rd.
Arlington, VA 22204**