

Frameworks, As Proven Tools for Functional Interoperability, Need Managed Evolution

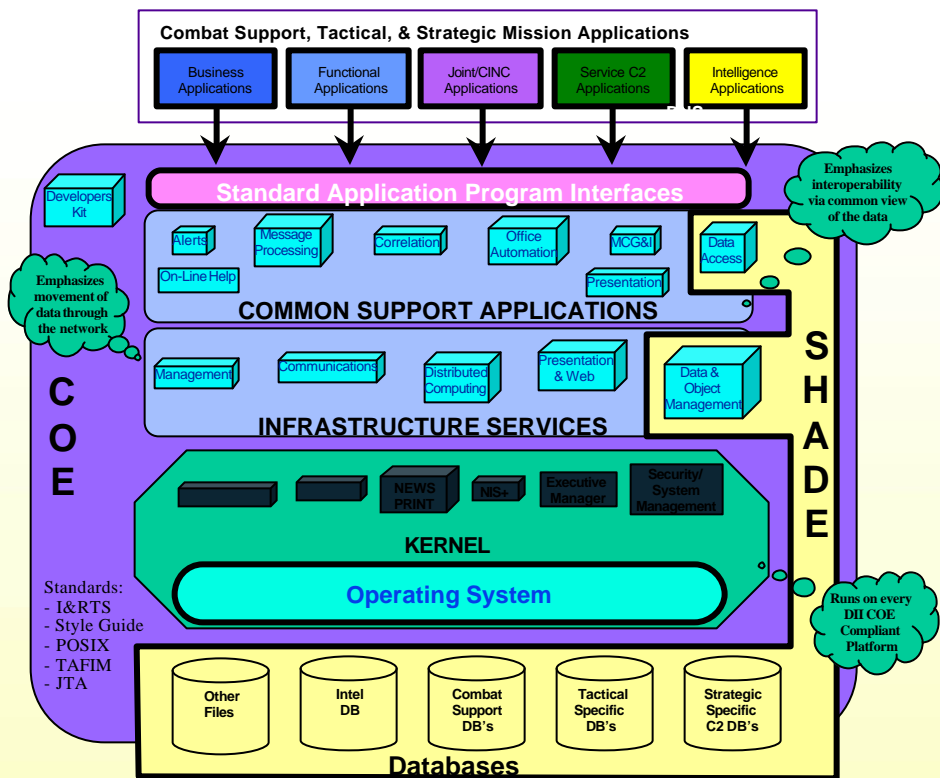
**Interoperability and Systems Integration Conference
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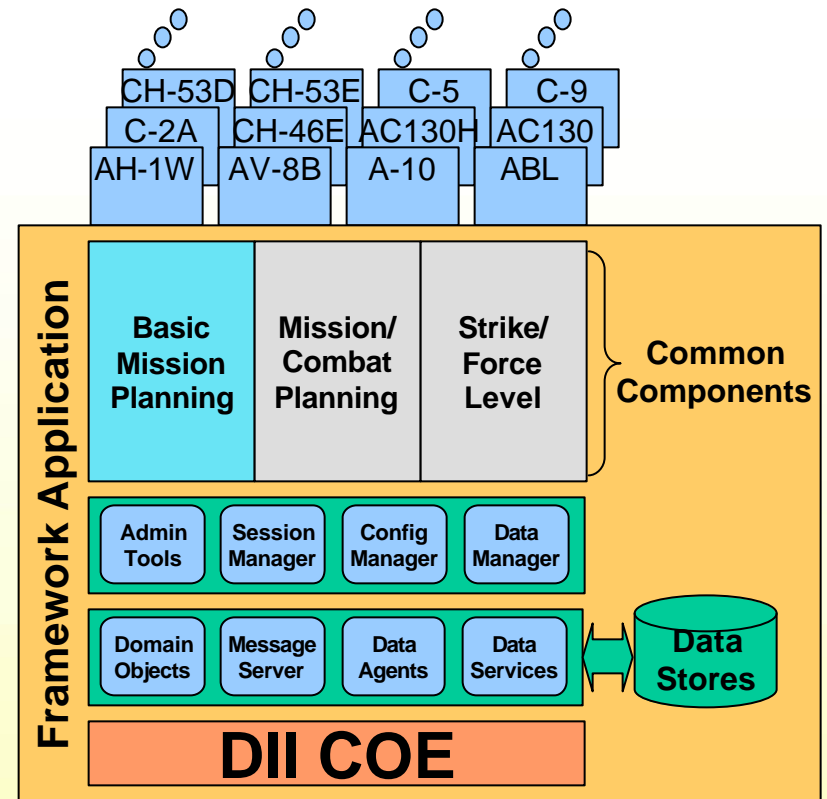


- **COE and JMPS as application Frameworks**
- **Frameworks provide fiscal leverage and interoperability**
- **The ISSUE**
- **Summary**
- **Recommendations**

COE



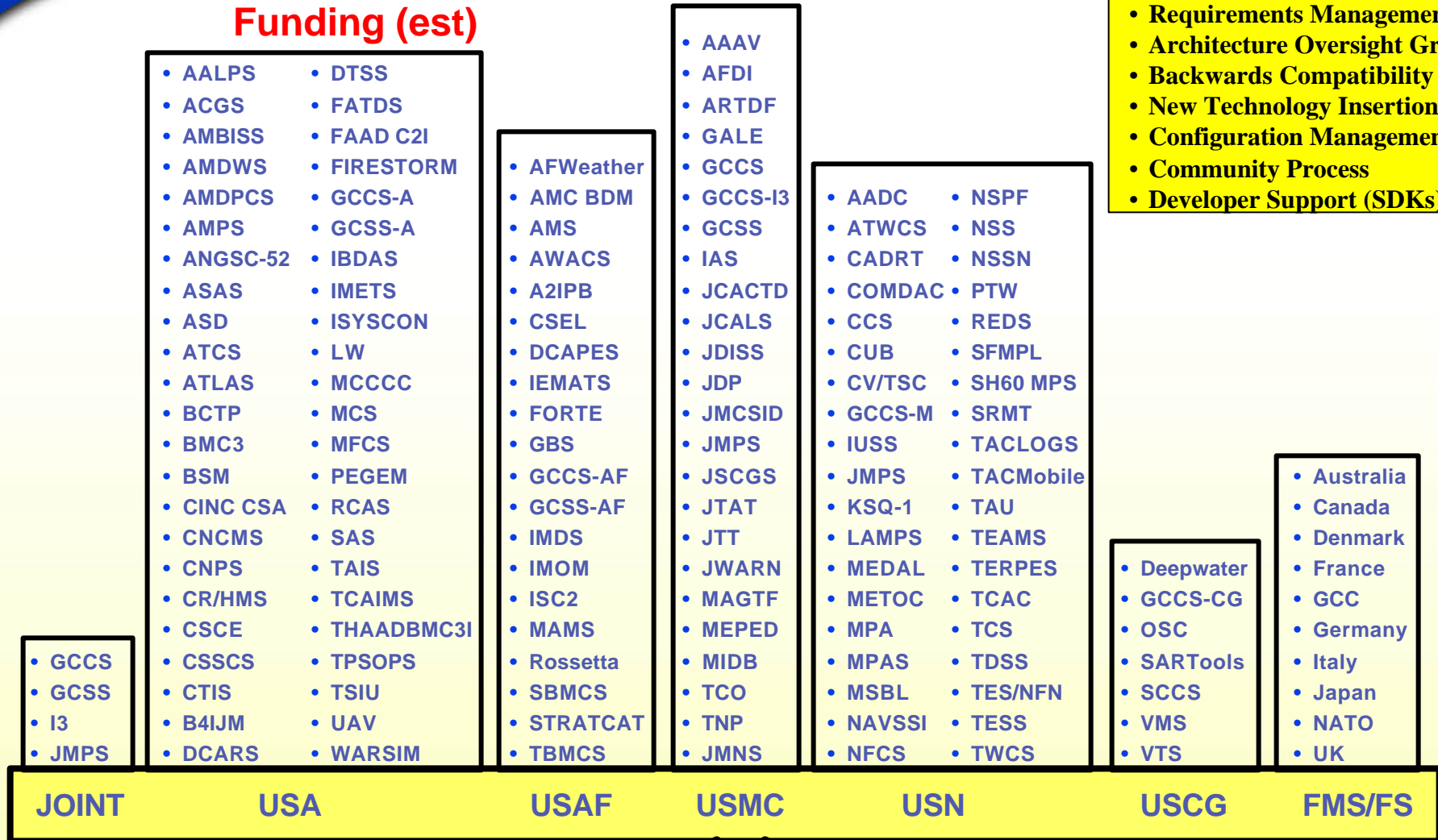
JMPS



Leverage from DII COE

\$7B Program

Funding (est)

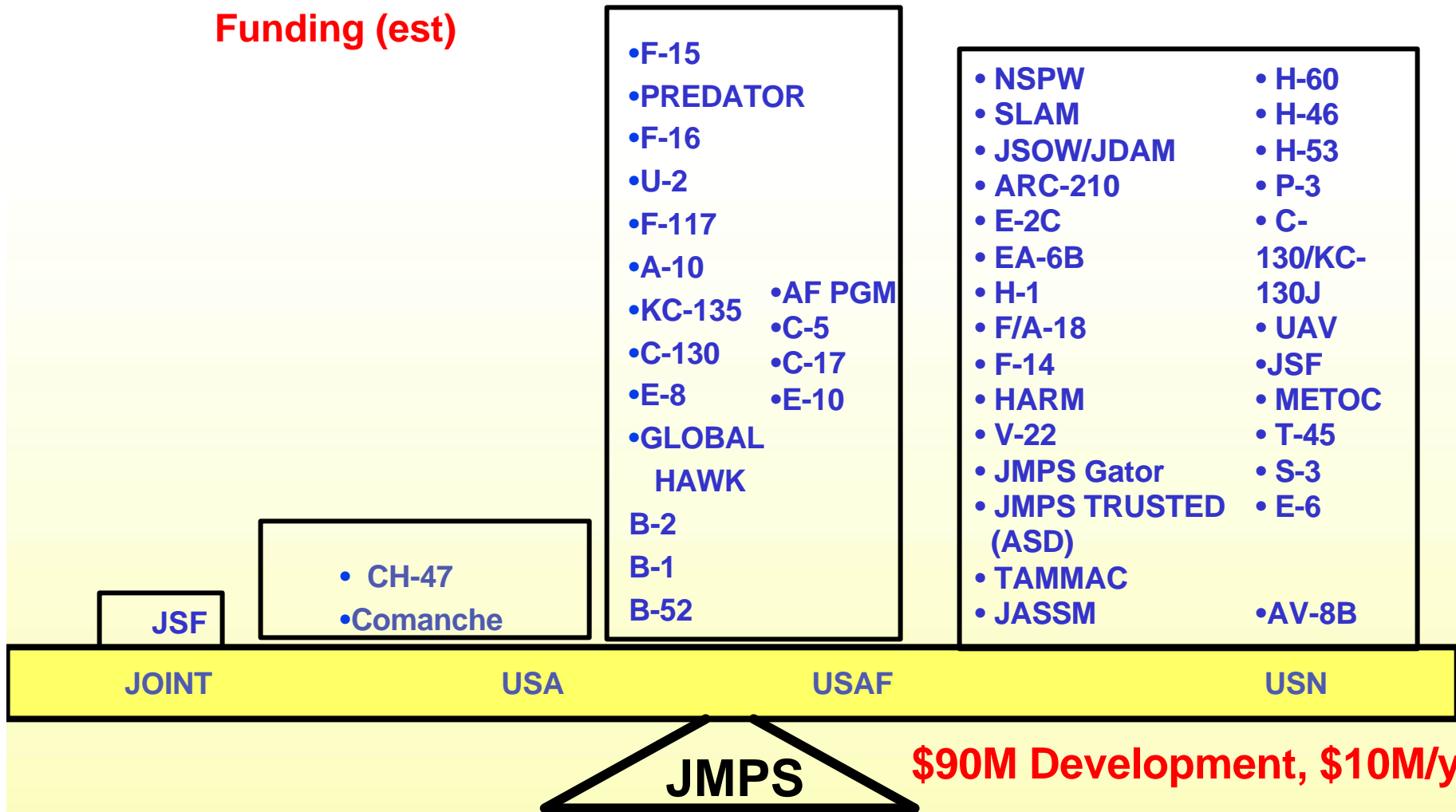


- Considerations:**
- Requirements Management
 - Architecture Oversight Groups
 - Backwards Compatibility
 - New Technology Insertion
 - Configuration Management
 - Community Process
 - Developer Support (SDKs)

DII COE

~\$20M/Year (contractor)

**\$1B Program
Funding (est)**



Primary Issues

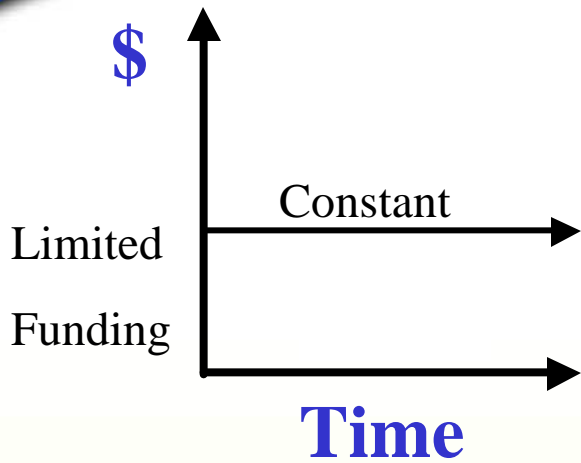
- **Frameworks *Aren't* Programs of Record – Lack Visibility**
- **Annual support funding flat**
 - Must support maintenance of all fielded programs, those in production and development
- **Subscriber requirements are voluminous and increasing**
 - Joint Requirements
 - Service Unique Requirements
 - System Developer Reqs (i.e. APIs)
 - Security Requirements

Customer Satisfaction has the potential to decline rapidly

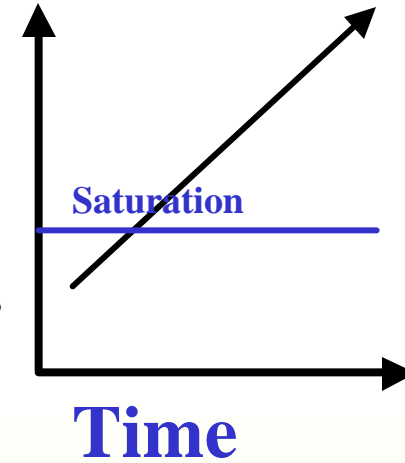
Secondary Issues

- ***Maintaining Interoperability***
- ***Inserting New Technology***
- ***Maintaining Backwards Compatibility***
- ***Enforcing mandates***
- ***Managing multiple baselines***
 - Fielded, production, development
- ***Maintaining Single Source Baseline***
- ***Achieving architectural compliance***
- ***Contracting (Moving \$\$\$)***

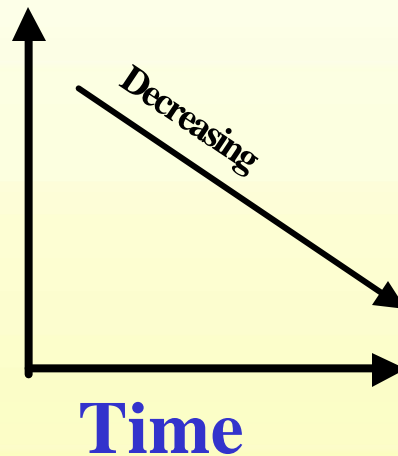
Dynamic at work



Reqts
Increasing
Program
Requirements



= Customer Satisfaction



Result is loss of interoperability

- **Use of application frameworks only proven way of providing interoperability in an efficient manner**
 - DoD has received tremendous leverage from the COE investment, will also from use of JMPS
- **Frameworks need continued emphasis to meet evolving requirements and to ensure original investment will be protected**
 - Otherwise, PORs will provide their own solutions, which are not designed to be interoperable

- **Establish frameworks as programs of record and manage at the appropriate ACAT level**
 - NCES will have own line in 2005
 - But also need POR identification for current frameworks which will be maintained for a number of years
- **Must evolve these frameworks so that they can keep up with emerging requirements to support service customers**