



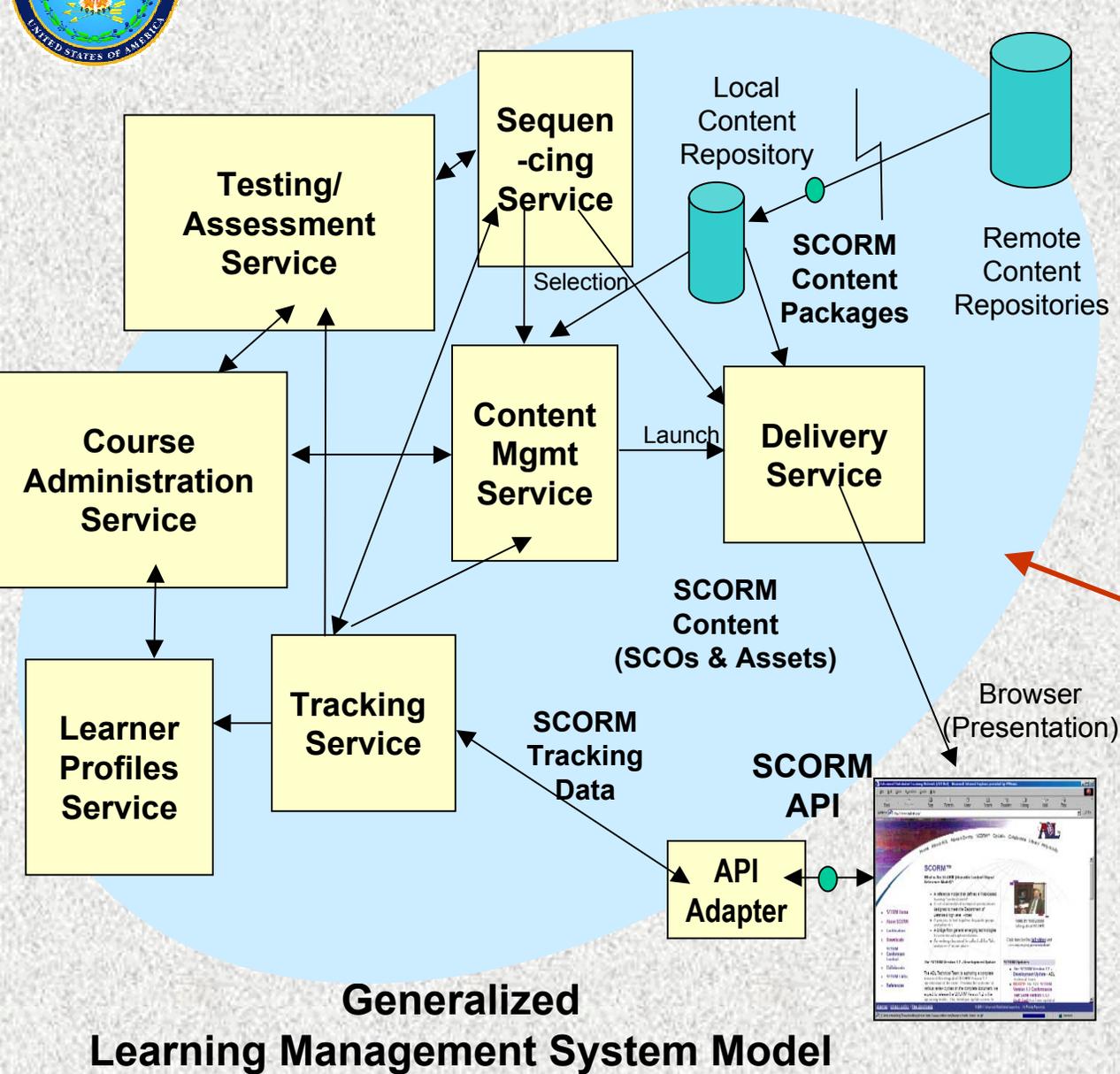
# Joint Programs Initiatives



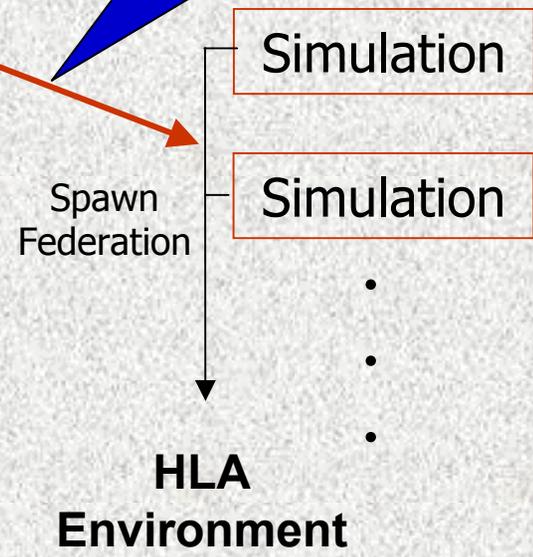
- **Sim – ADL linkage**
- **Substantive Interoperability Efforts**
  - Joint Model CM process
  - Practical VV&A
- **J-program support (MC02, JSIMS, JWARS)**
  - Continuation of previous efforts
    - JWARS and MC02 support ends this FY
    - JSIMS continues thru FY05
- **Joint Experimentation**
- **Joint Battlespaces**



# SIM - ADL



Trick is to make a federate look like a SCO to the LMS world, and a SCO look like a federate to the HLA world





# Substantive Interoperability



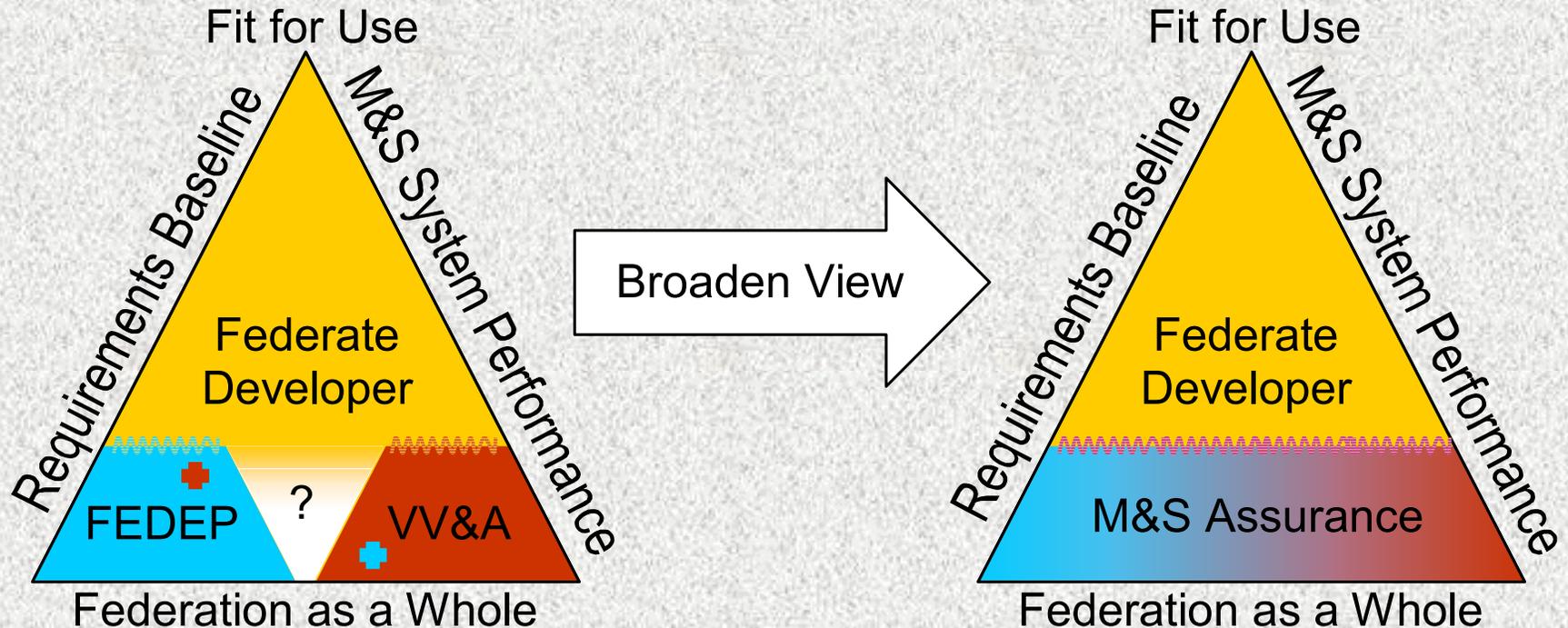
THEORY

PRACTICE

- Reasonable person's approach to
  - CM – in concert with JFCOM, establish reasonable CM process for JSAF; extensible to other models
  - VV&A – in concert with JSB, JVB, JDEP, determine what V&V processes, data, etc. are needed NOW to meet their needs for acceptability
- Both involve use of actual subject material



# From Process to Assurance



- We can best assure a federation is Fit for Use when the assessment considers the federation as a whole rather than just the individual federates.
- Process perspectives, such as FEDEP and VV&A, define roles in a context. This can lead to partitions of effort which don't provide linkage or traceability from the individual federates to the federation as a whole.
- A broader view “assuring federation success” relies on a blended perspective of development and VV&A processes.



And Still Satisfy the M&S Community's Desire For:

**Reasonable Configuration Management**

- Fitness for Use
- Full access to needed resources

- Industry, DoD, National, International Stds
- Best Practices
- Community Consensus Guides
- Constant Review and Updating

• Use current M&S efforts as testbeds to determine applicability of current technologies (e.g. JSIMS and Joint Experimentation)

• Partner with related efforts to extend marketplace for M&S applications (e.g. Simulation to ADL linkage)

- Integrating Framework
- Server Architecture
- Proper Fidelity
- Live, Virtual, Constructive
- Repositories
- Rapid Development
- Rapid Modification

- Joint Synthetic Battlespace
- Joint Virtual Battlespace
- JFCOM Distributed Synthetic Environment
- Joint Distributed Engineering Plant
- Etc.

Some pieces already exist:

- HLA
- SEDRIS
- FDMS
- MSRR

• Allow Services and Commands to do what they do best

• Concentrate on hiding the seams when they're brought together

**In Order to Determine What is:**

**Reusable**  
By Participating in Service Efforts to Define:

**Requirements**  
Building Battlespace Environments Through Development of:

**Policies**  
Use the best of what is available; build only what is needed

**Technologies** **Processes**  
**Uses** **Implementations**  
Analysis, Acquisition, Training, & Experimentation

**Modifiable** **Missing**  
Look to Services for technology requirements and testbed possibilities

**Flexibility and Composability**

**Responsiveness**

**Interoperability**

