

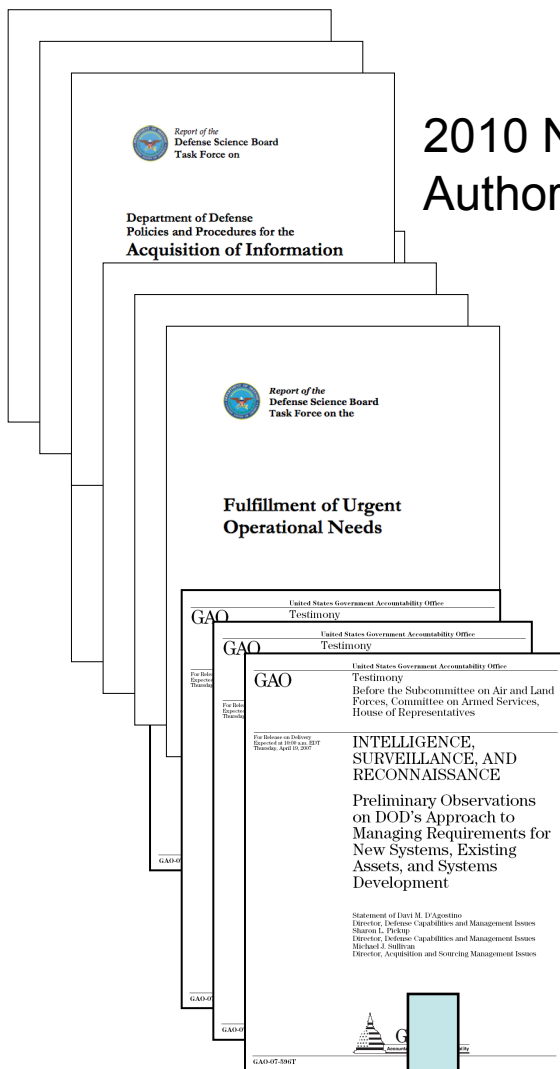


Rapid Evolutionary IT Acquisition (REA) ... Success* is all about the way we build it!

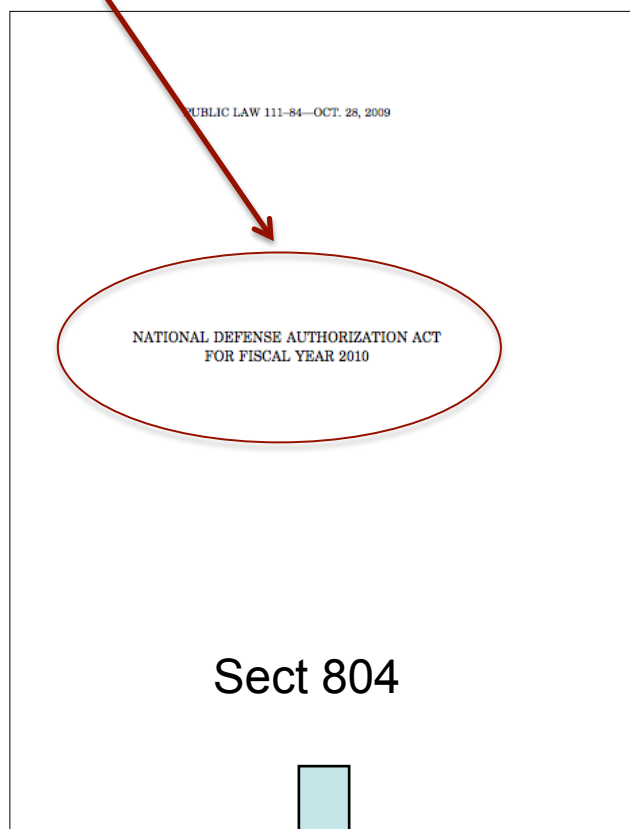
Chris Gunderson
cgunders@nps.edu
703 262 5332



*Success always depends on value proposition and business model...



2010 National Defense Authorization Act



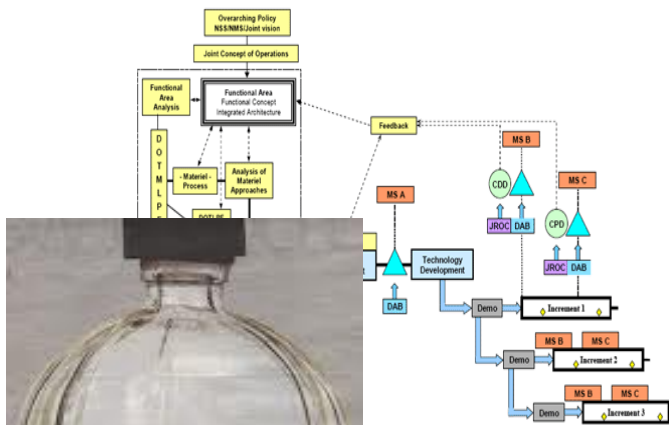
Sect 804

IT Acquisition is broken!

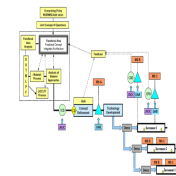
Fix It!



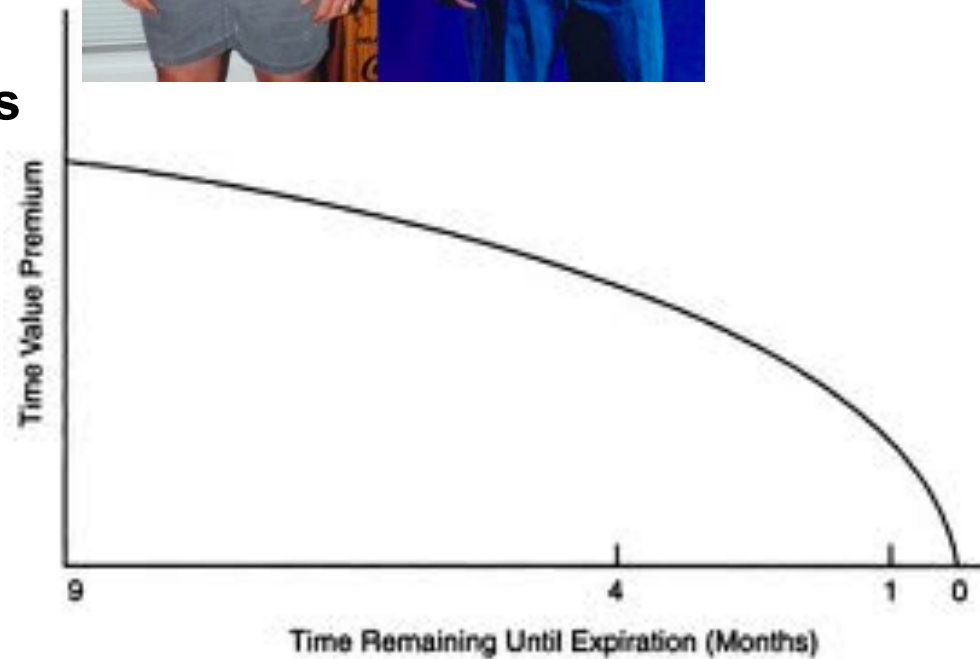
Value-Based Defense Acquisition



**Before
10 years**



**After
1 year**



Naval ISR Capability (N-ICE) Rapid Evolution Acquisition (REA) Portfolio

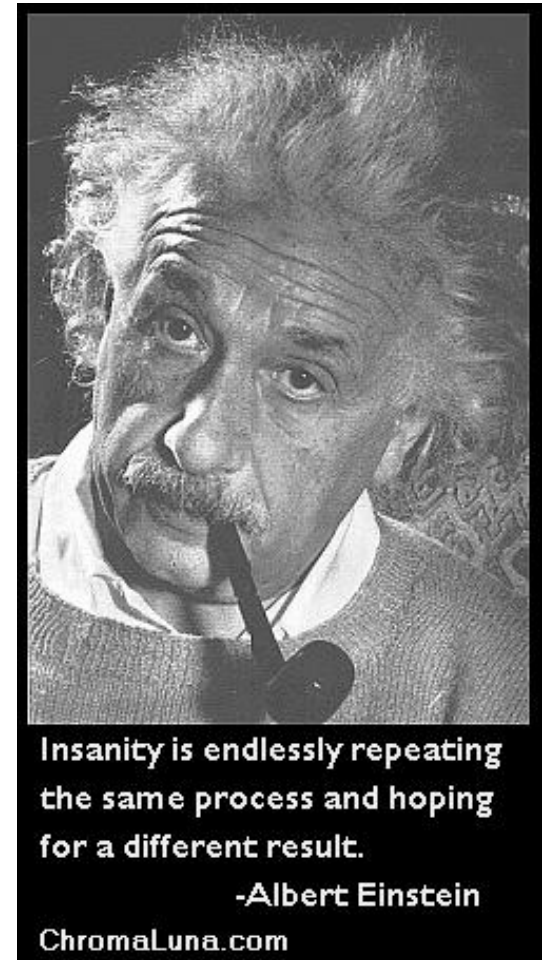
Or....The Un-Program Office





Macro REA Implementation Action Required

1. Develop **metrics**, dashboard, and boiler plate acquisition language based on delivered-value-per-cost-per-time.
2. **Automate** the JCIDS manual and eliminate acquisition “paper chase”
3. Implement **modular approach to C&A** based on objective definition of “open modular architecture” and objective assessment of *Information Assurance vulnerability* in context with *Information Availability value*.
4. Create **persistent, distributed, development, test, & certification environment** that provides transparency across Defense Enterprise workflow, and that incentivizes industry with low barrier to entry, ready access to government-developed IP, and on-boarding of COTS via pre-approved products & service IDIQ contracts.
5. Seed multiple, small **pilot projects** to develop all the above incrementally. Distill best practices, critical success factors, and evolve policy accordingly.



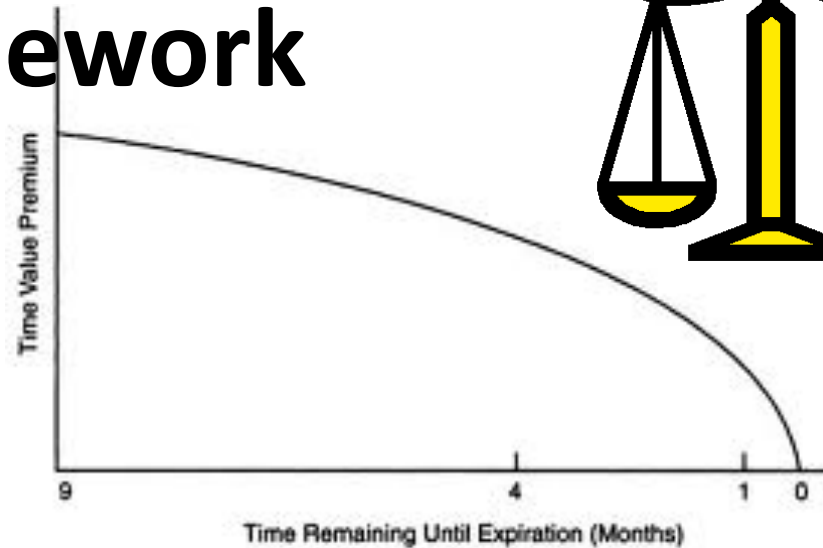
6. **Empower a cadre** of government acquisition professionals with sufficient mentoring, scope of authority, and incentives

1. Macro REA Implementation Action Required

1. N-ICE Prototype or Initiative

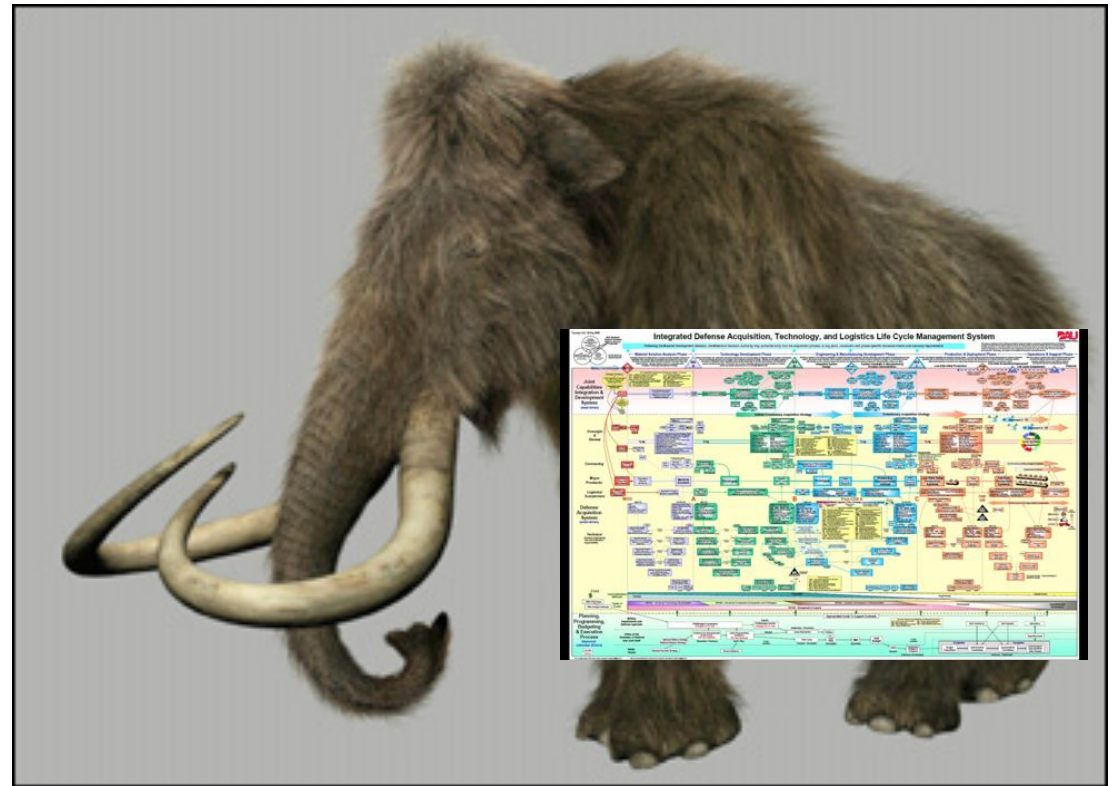
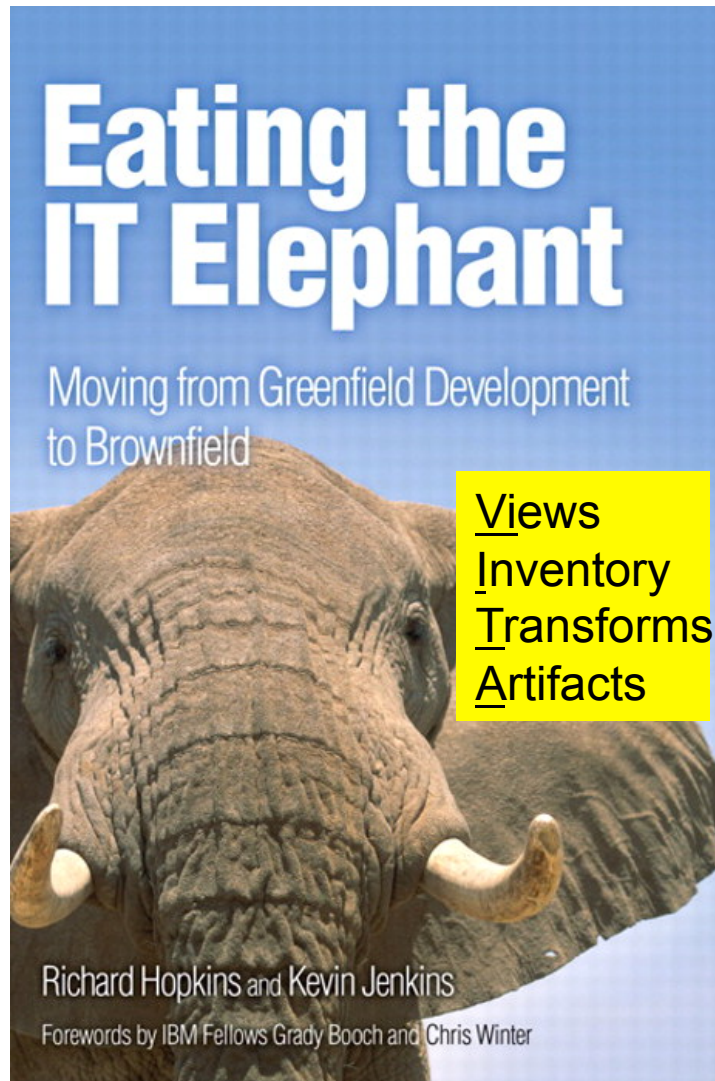
1. Develop metrics, dashboard, and boiler plate acquisition language based on delivered-value-per-cost-per-time.
 1. **MCSC RapidPro: Value-based Acquisition Framework (VAF)**
2. Automate the JCIDS manual and eliminate acquisition “paper chase”
 1. **MCCDC IID: SIDECAR**
3. Implement modular approach to C&A based on objective definition of “open modular architecture” and objective assessment of *Information Assurance vulnerability* in context with *Information Availability value*.
 1. **MCSC RapidPro: High Assurance PISR PLA**
4. Create persistent, distributed, development, test, & certification environment that provides transparency across Defense Enterprise workflow, and that incentivizes industry with low barrier to entry, ready access to government-developed IP, and on-boarding of COTS via pre-approved products & service IDIQ contracts.
 1. **MCSC RapidPro: Open Standard Test Bed + PlugFest**
5. Seed multiple, small pilot projects to develop all the above incrementally. Distill best practices, critical success factors, and evolve policy accordingly.
 1. **HQMC (I) + PEO C4I: N-ICE**
6. Empower a cadre of government acquisition professionals with sufficient, mentoring, scope of authority, and incentives to succeed in the new model.
 1. **MCSC RapidPro Government COTS Architecture Team**
 2. **HQMC (I) + PEO C4I: N-ICE**

Value-based Acquisition Framework



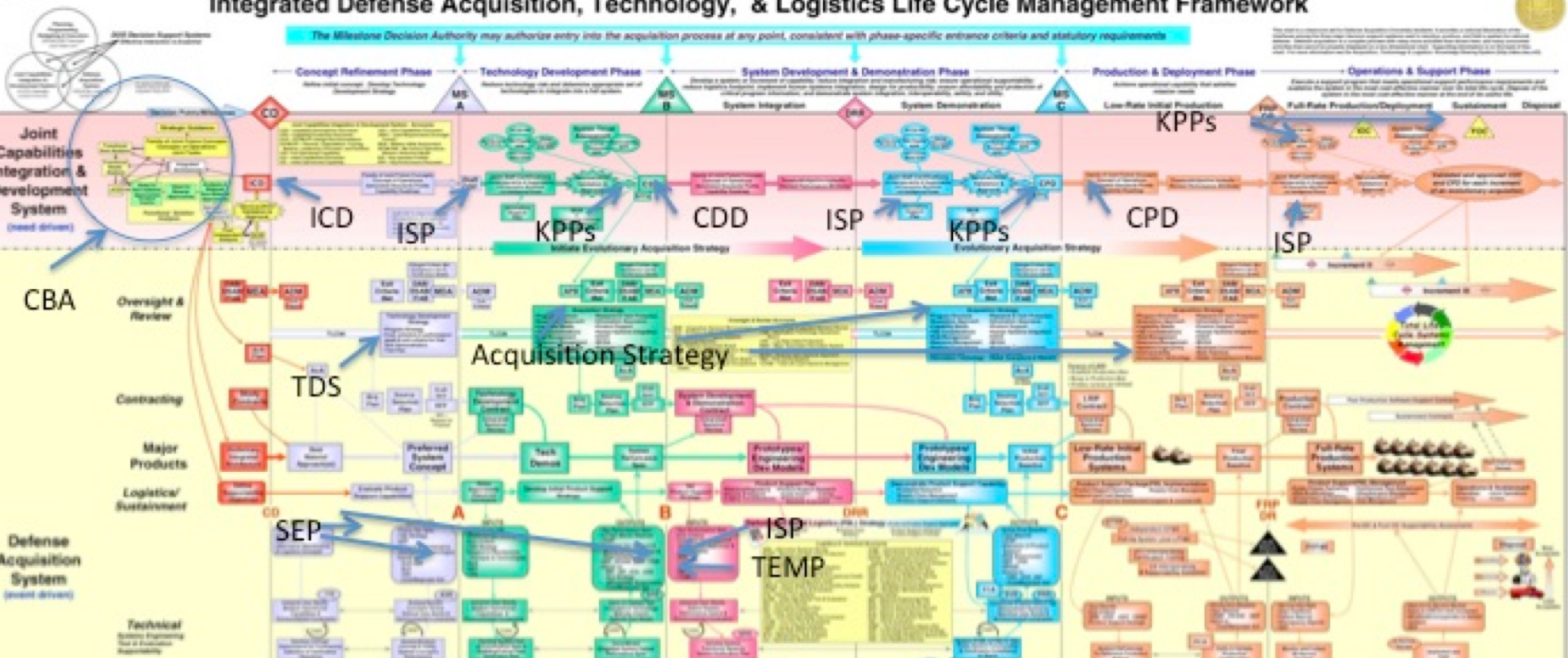
Measure (and Buy!) What Matters

**Value of Acquisition = (Value/Capability) X
(# of Capabilities) ÷ (time discounted in
favor of sooner) ÷ (cost)**



The IT Hairy Woolly Mammoth on Steroids!

Integrated Defense Acquisition, Technology, & Logistics Life Cycle Management Framework

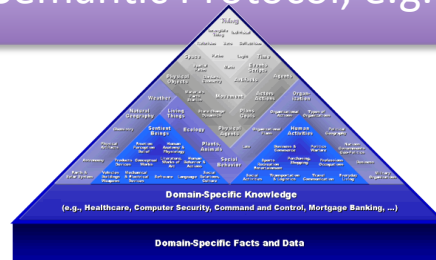
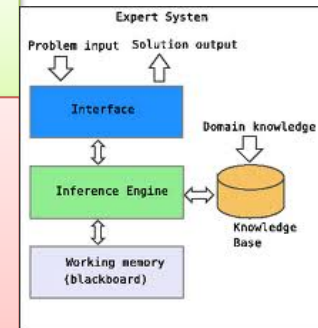
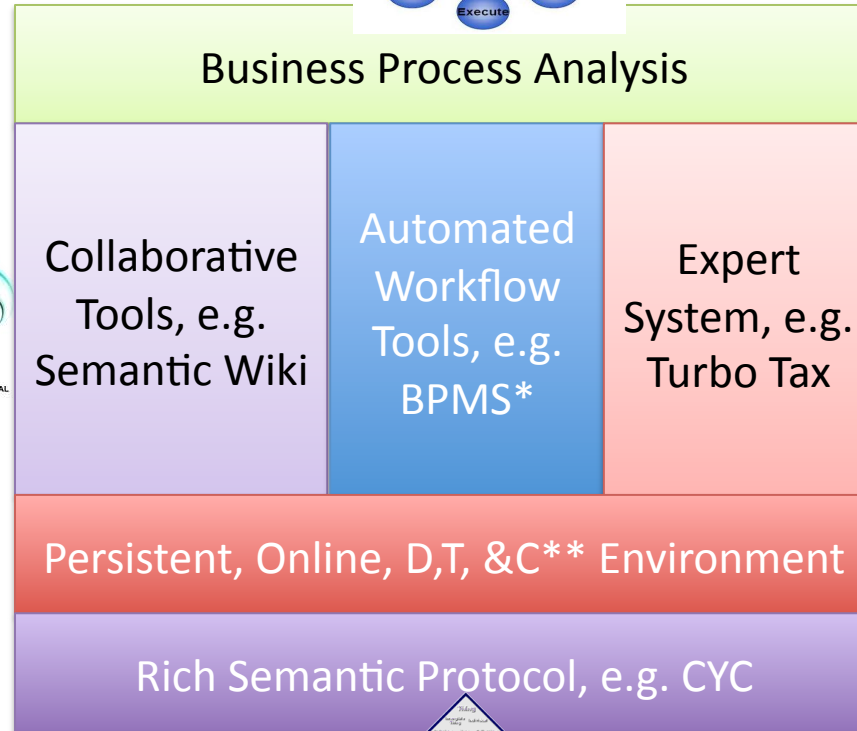


Convert these ponderous static artifacts into machine-readable templates and collaboratively collect objective views of policy, use cases, constraints, and alternatives....Incentivize COTS marketplace to satisfy requirements

IT Elephant Eating Architecture



Views
Inventory
Transforms
Artifacts

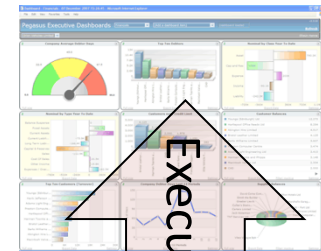


*Business Process Management System

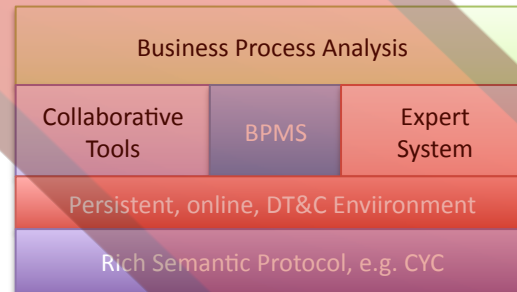
**Development, Test, and Certification

Enterprise
Requirements
& Constraints
+ Industrial
Best Practice

Policy & Program Adjustments



Executive Dashboards



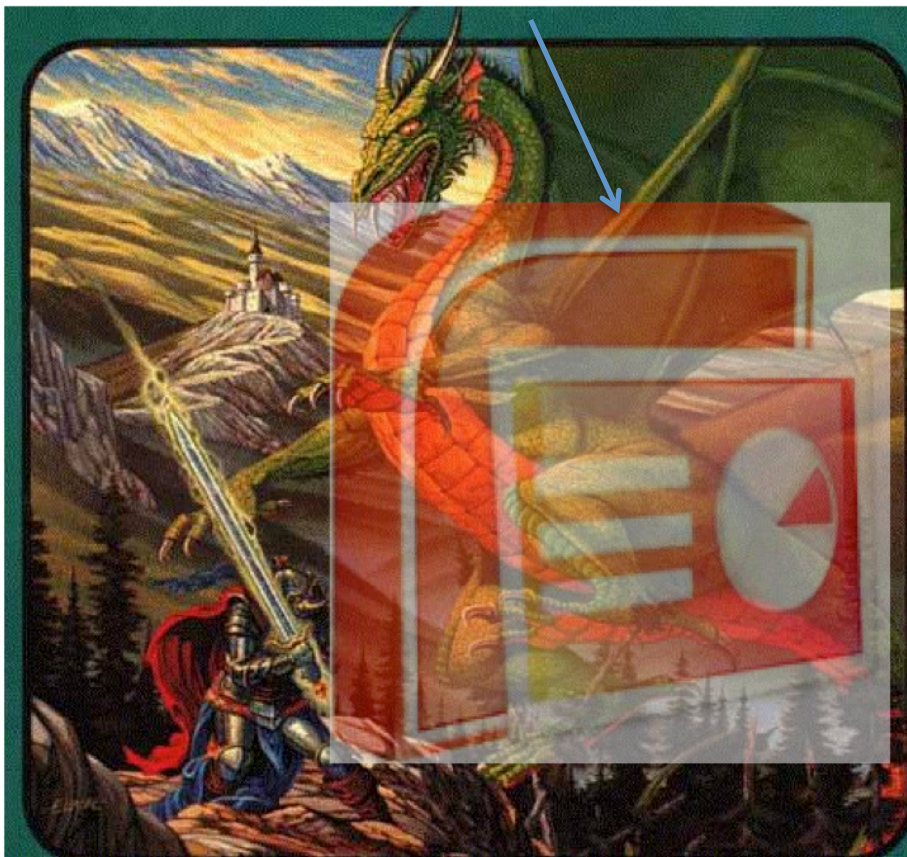
Value-Based Contracts

CONTRACT

COTS Marketplace

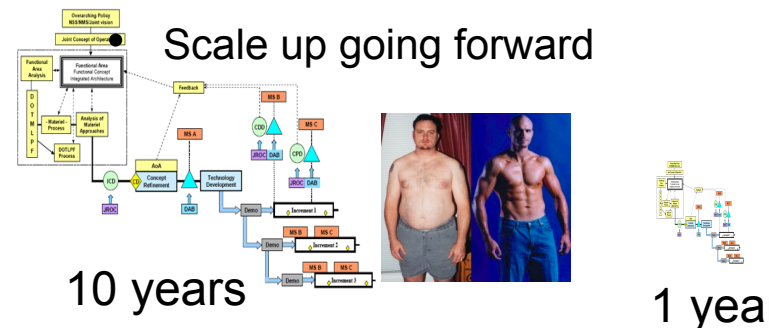


N-ICE REA Portfolio Approach: Slay the Dragon of Bureaucracy & .ppt Engineering!



- Partnership: HQMC, OPNAV, PEO C4I, OSD, and DoD IT Acq Task Force
- Establish acquisition authority
- Recruit partners from test and certification authorities
- Cherry pick projects and people
- Create boutique contract shop
- Sustain ecosystem of strategic partners among sponsors, providers, consumers, and authorities

Scale up going forward



10 years

1 year

Can we build it?



YES WE CAN!

