



communications

Analytics Corporation

**Knowledge Management
as an Enabler of
Information Operations**

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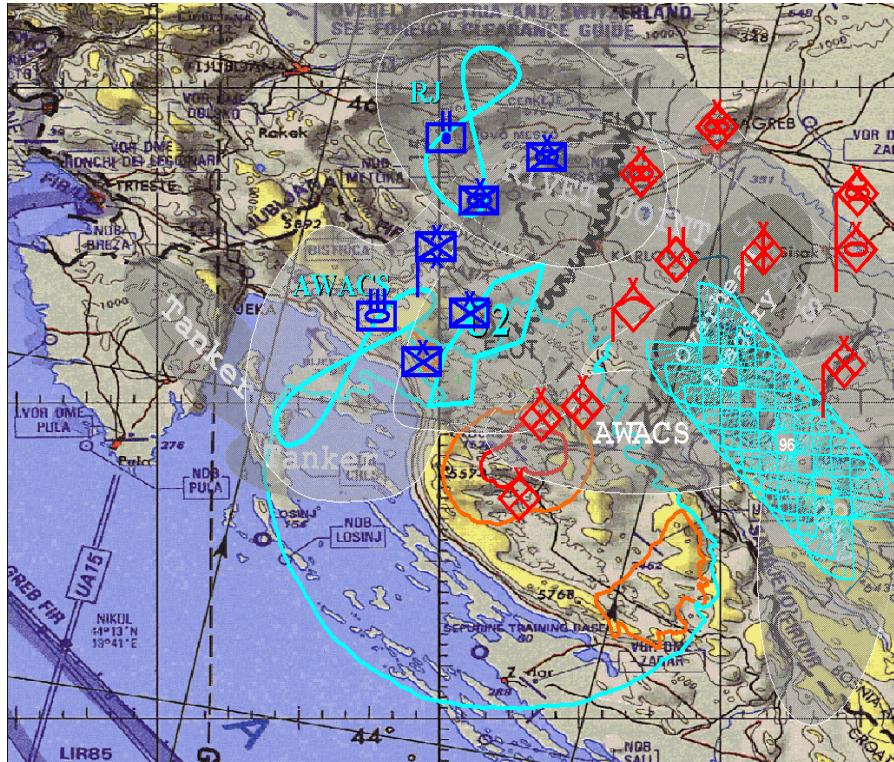
Overview

- Non-standard terms and symbols
- Same terms different meanings
- Multi-level security
- Knowledge Management as a tool for IO
- The Problem Set
- GWU systems engineering model
- Technology-keys to a solution, but not the solution
- Summary



Non-Standard Terms/Symbols

Common Operating Picture an Example

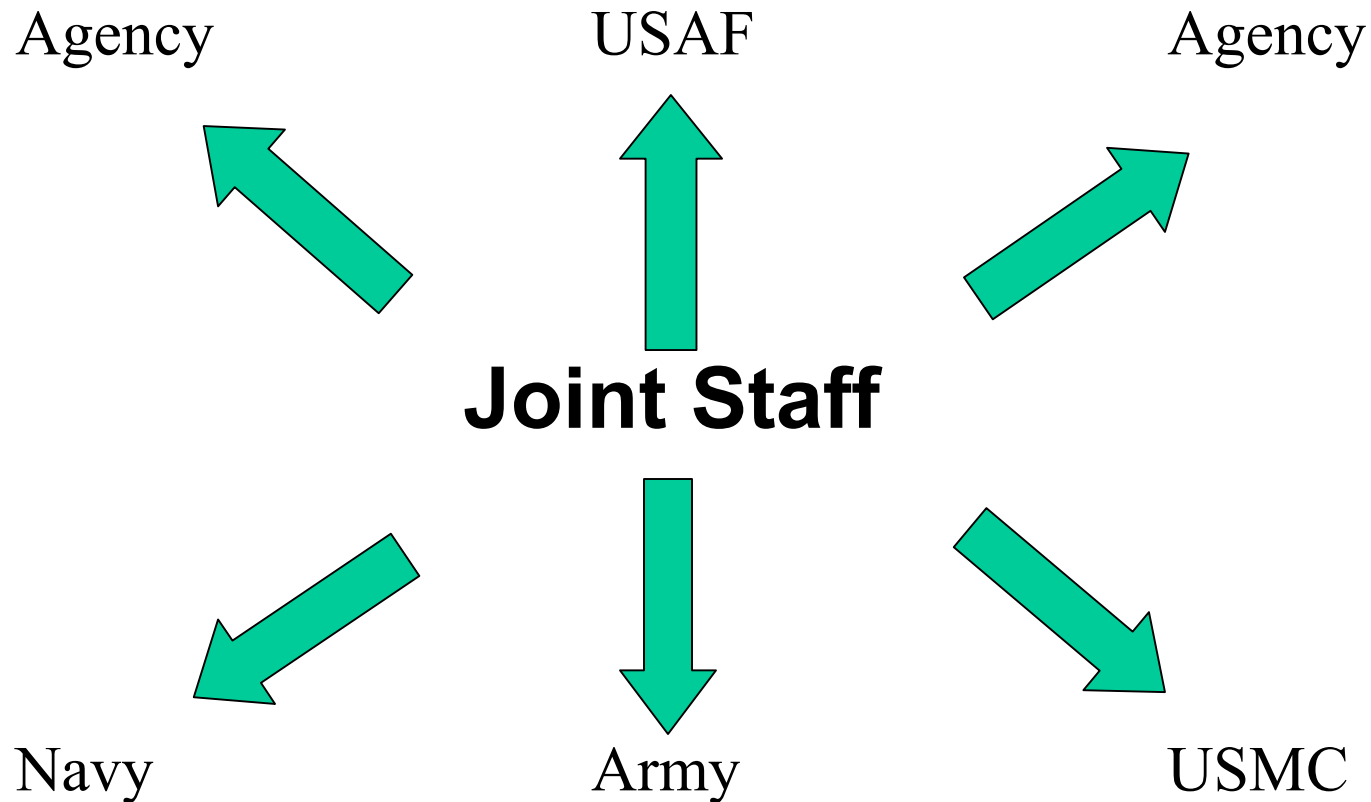


- Services have a bias for own terms and symbols
- Inability or refusal to educate to a standard
- Human nature is that we use what we know & are comfortable using to do our jobs
- Result: No COP exists



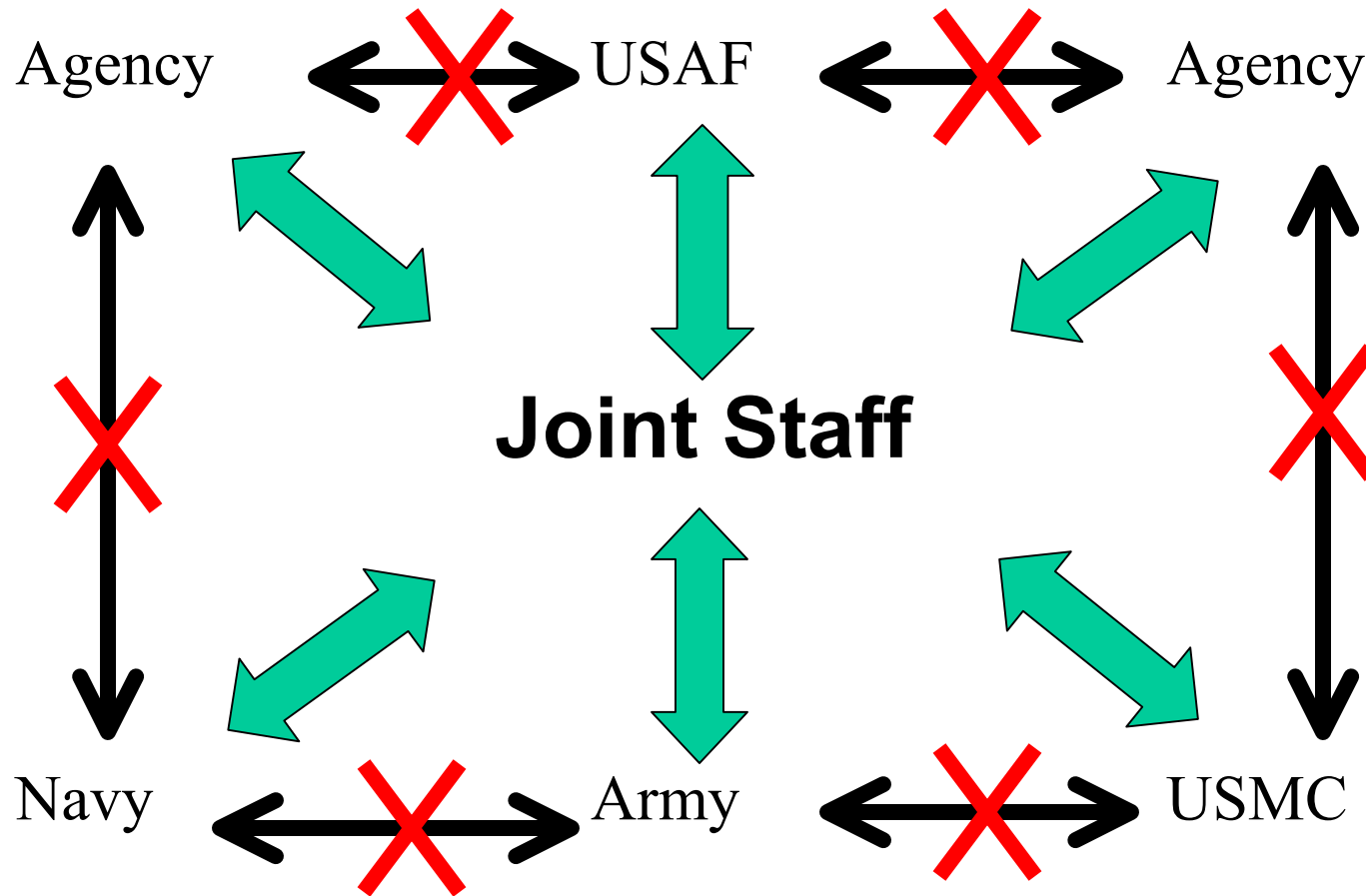
Multi-Level Security a Challenge

Example of Joint Staff



Multi-Level Security a Challenge

Example of Joint Staff



Knowledge Management is NOT a Data Base

- Knowledge Management is

the application of what we know about a given situation
captured and applied again

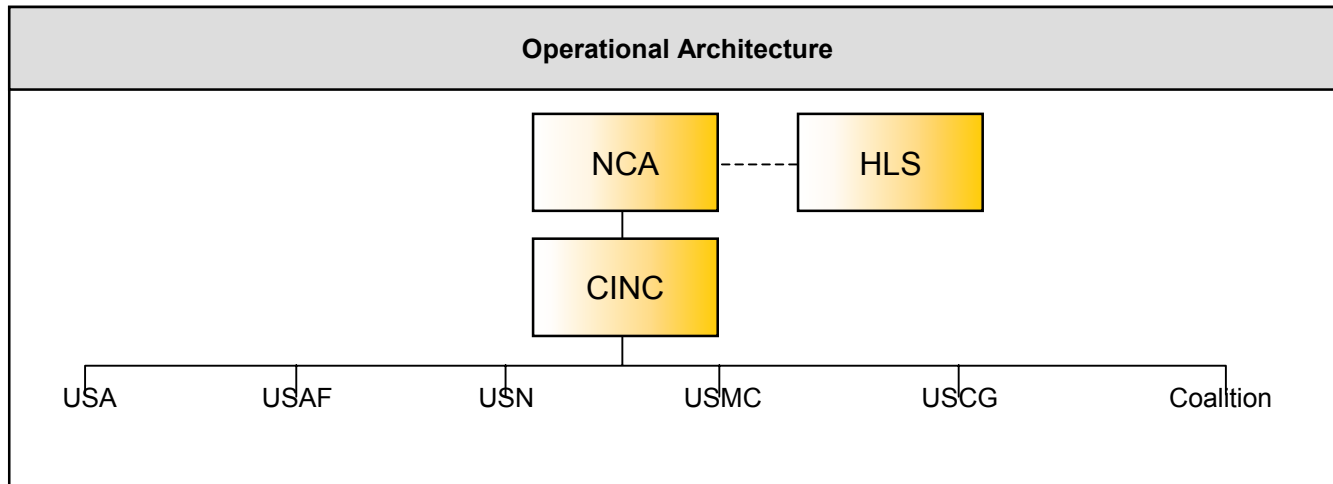


The Problem Set

**We are oriented toward creating
the perfect data base
instead of rethinking how we communicate**

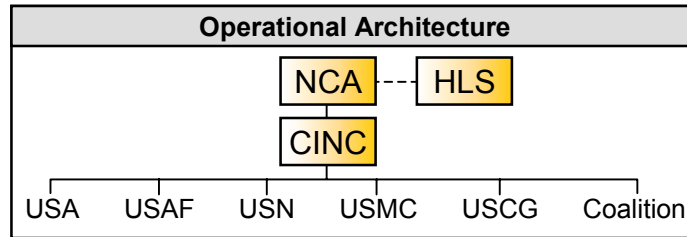


Knowledge Management – A Systems Engineering Solution

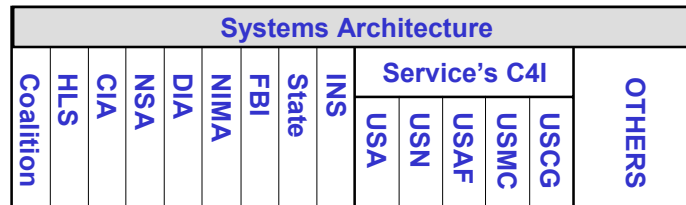


Commander's Intent - Statement of Need

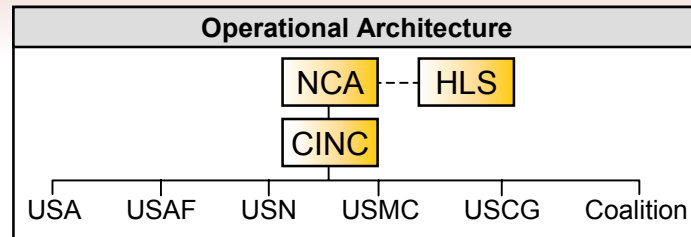
Knowledge Management – A Systems Engineering Solution



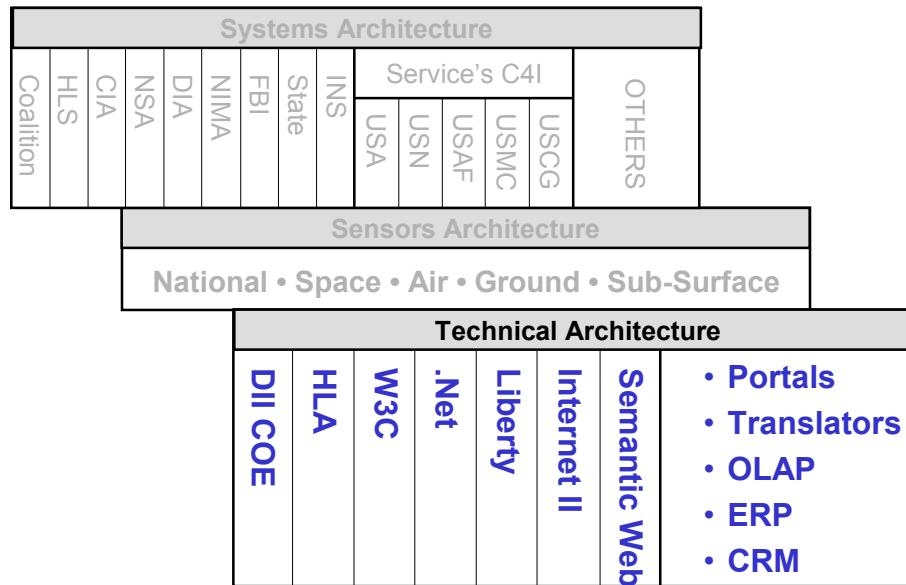
Industry Response – We can build the system to meet the Need



Knowledge Management – A Systems Engineering Solution



Industry Response – We can create the technology to fill the Need



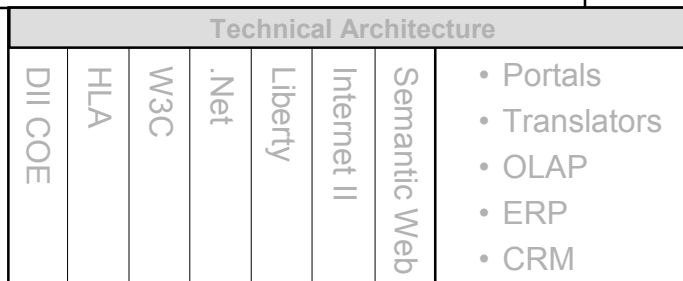
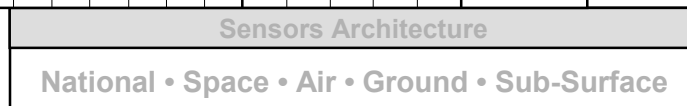
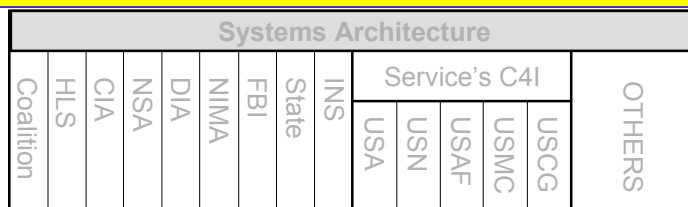
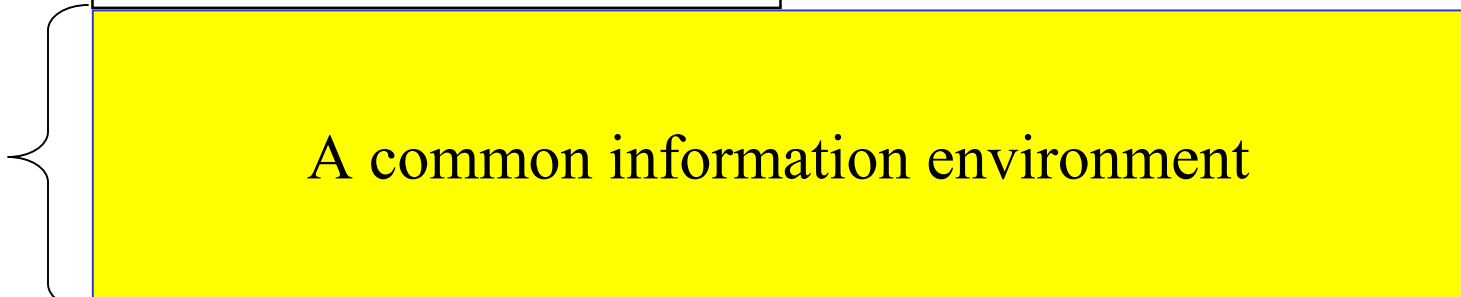
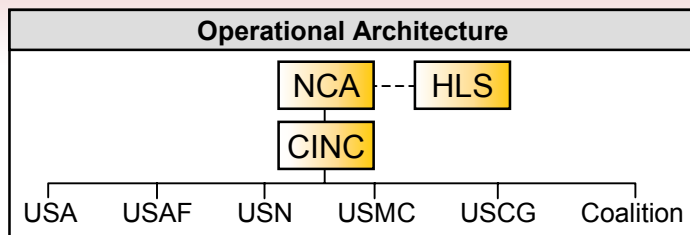
Knowledge Management – A Systems Engineering Solution

Need

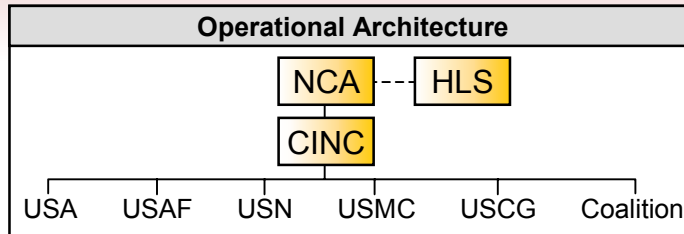
Missing

Solutions
Systems

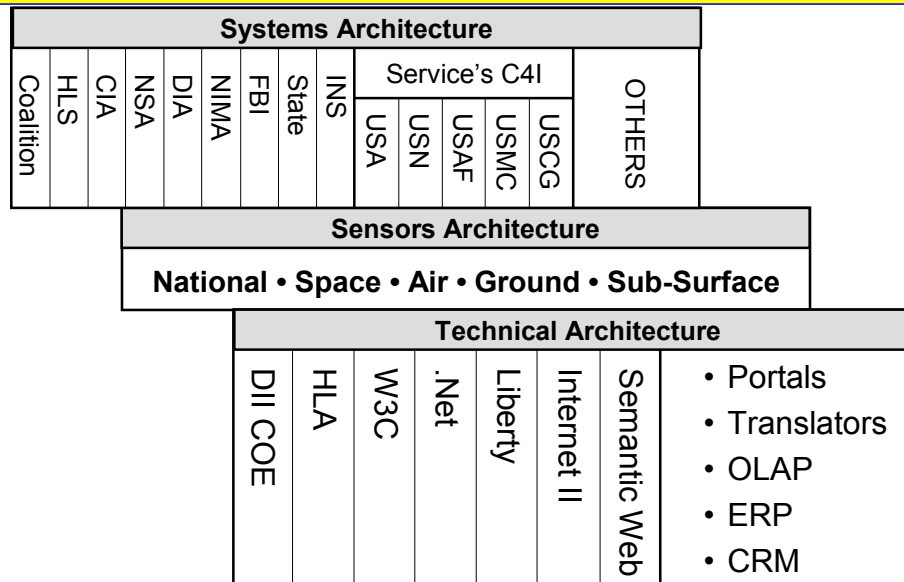
Solutions
Technology



Knowledge Management – A Systems Engineering Solution

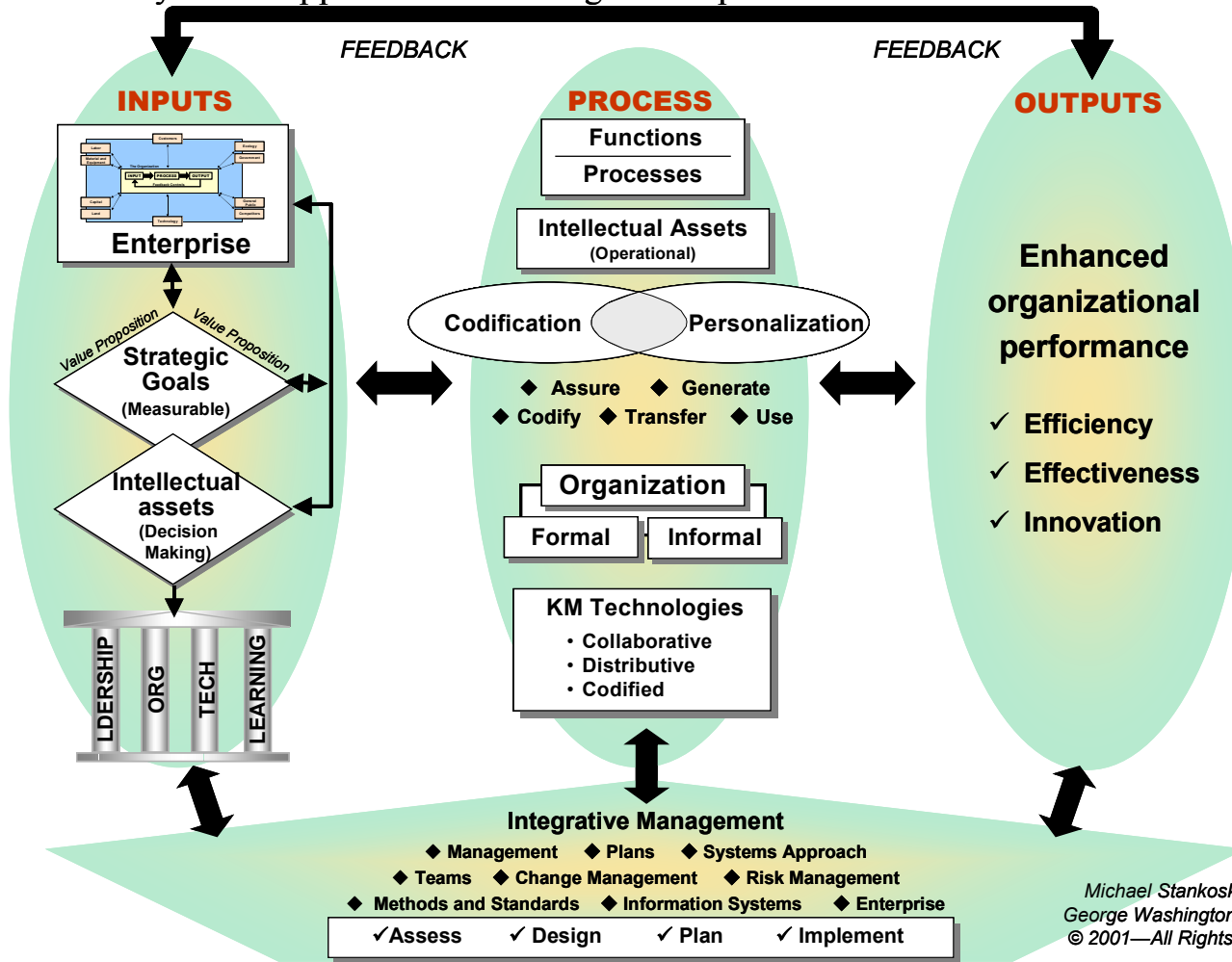


Framework to Communicate



George Washington University

ENTERPRISE MANAGEMENT, ENGINEERING, AND INTEGRATION: A Systems Approach to Leverage Enterprise-wide Intellectual Assets



Michael Stankosky, D.Sc,
George Washington University
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The Challenge

Knowledge Management as an Enabler

- Create the framework to communicate
- Examine the technologies available to overcome the challenges of:
 - *Non-standard Terms*
 - *Same terms different meaning*
 - *Multi-level security*

“We are in who we are in good measure because of what we have learned and what we remember.”

- Noble Laureate Dr. Eric R. Kandel



Summary

KM as an Enabler for Information Operations

I leave you with these thoughts.....

- *IO must be much more than the sum of plans to attack or defend against an adversary*
- *KM is an essential tool to help us be successful in executing Information Operations*
- *KM is not a destination, but a journey, one that begins when we rethink and capture a framework to be able to communicate across Service and agency boundaries*

