

ELECTRONIC SYSTEMS CENTER

Electronic Systems Center

Integrity - Service - Excellence



Panel Discussion: More Rapid Capability Delivery

ESC's Challenges and Strategies



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The Challenge...



- **Front-line IT Warfighters Demand Rapid Delivery of Warfighting Capabilities**
- **Traditional 5000.02 Cycle Times are Driving “Do-It-Yourself” Solutions**
 - **Causes Loss of Configuration Control**
 - **Drives Significant Network Security Risk**
 - **Impacts Overall OSS&E**



More Capabilities to the Warfighter

“Build in” Certification



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- **Current State:**
 - C&A Timelines Are Expressed In Months After Completion Of Development
 - Incentivizes Users To Circumvent Controls, Creating Additional Risk
- **Future State:**
 - Establish ESC/EN To Achieve Networthiness (Applications, Products, Services)
 - Enterprise Architecture-based
 - Mission Assurance Based On Real Risks And Salient Impacts
 - Inherited C&A With Confidence With Reciprocity To Joint & Other Services

Transition Focus From Speed Of Acquisition To Speed Of Moving Capability To The Field



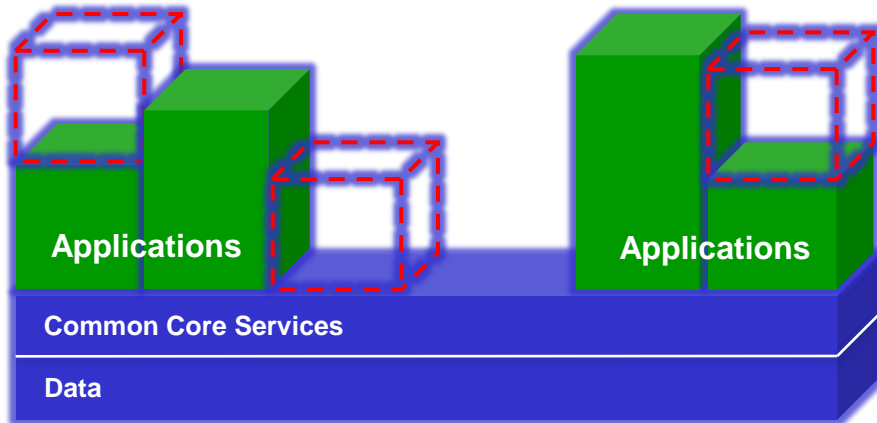
Evolutionary & Revolutionary Info Capabilities... “Venture Capital” Approach... Rapid/Agile Acquisition



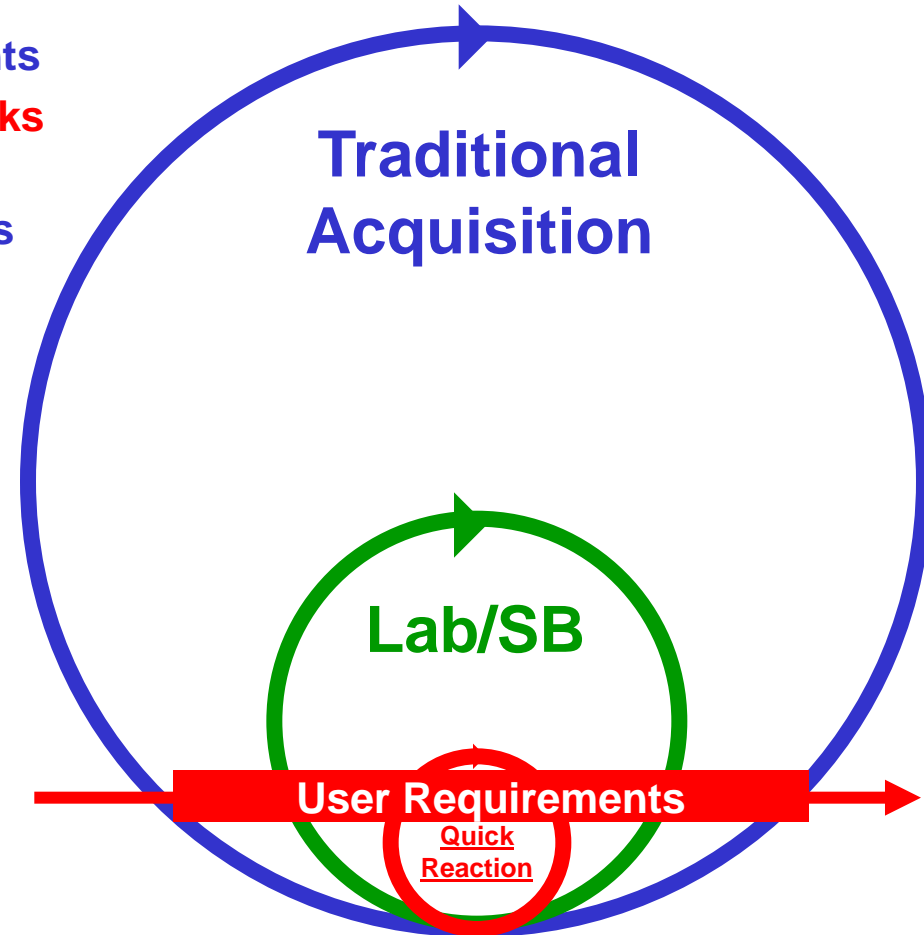
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■ Characteristics

- **SOA Based Application Nature**
- **Quick Reaction (Days vs Weeks)**
- **Assurance & Data Integrity Process**
 - Necessary Oversight And Standards



Innovation Across The Spectrum





Service Oriented Architecture Migration



- **Sustaining Legacy Capability In Parallel With Services-Oriented Transition**
 - Tendency Is To Eliminate Funding For Legacy System Before SOA Application Is Ready
 - "Tightly Coupled" Application Transition Requires Increased Coordination
- **Challenge In SOA**
 - Many Competing Architectures
 - Initial Delivery Most Likely Will Not Add Any Capability (Establishes Underlying Architecture)
 - Exposing More Data Introduces New Governance Issues

A Loosely Coupled, Service Enabled Platform Allows Agility To Support Rapidly Changing Warfighter Needs



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Questions?

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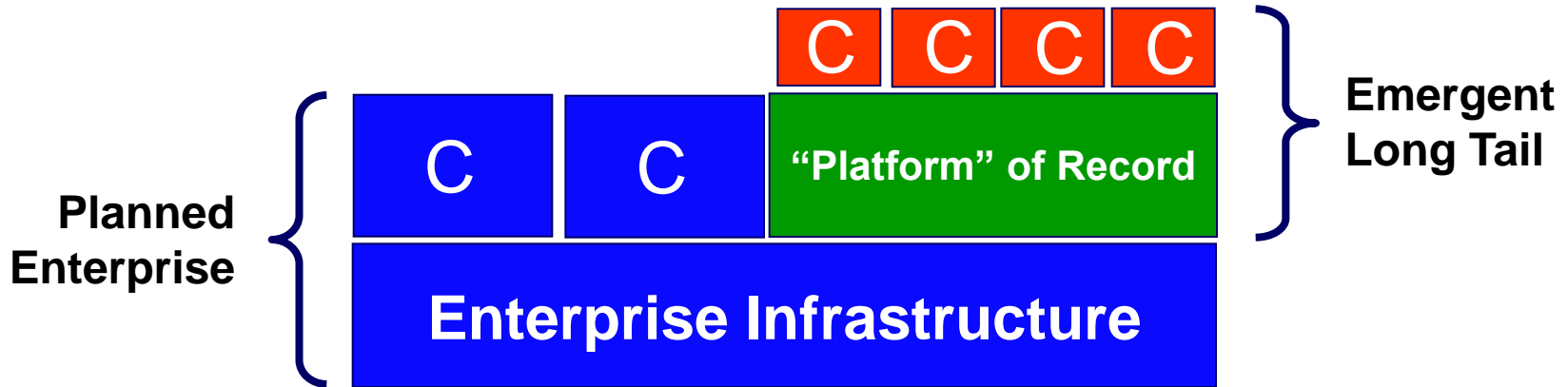
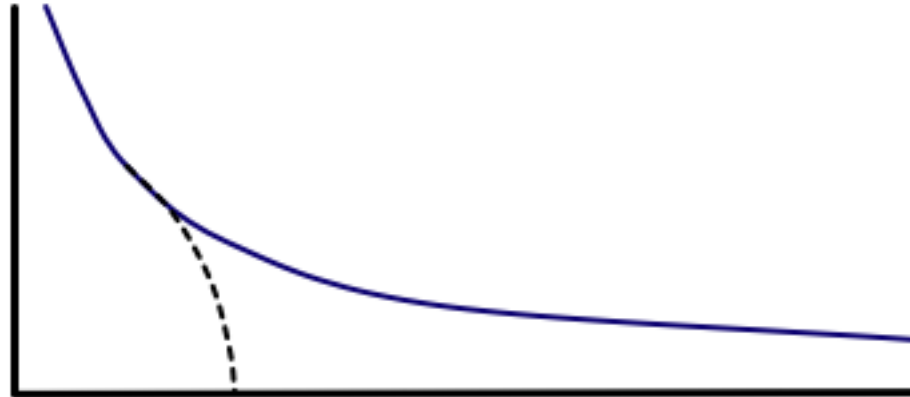


More Value for the Effort, Faster



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Source: Mr. Jim Stogdill, Accenture



ESC Functional/Support Leaders



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Lt Gen Ted Bowlds
ESC Commander



Col Doug Murdock
JA



BG Terry Feehan
Vice Commander

ACQUISITION
&
RESOURCES



Mr. Rich Lombardi
Executive Director

STAFF
SUPPORT



Col Russ Blaine
Chief of Staff

MISSION
SUPPORT



Ms. Sheila Brennan
DP



Col Brian Shimel
FM



Col Doug Anderson
XP



Ms. Sue Angell
AQ



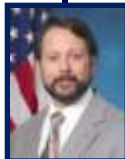
Mr. Steve Wert
EN



Col Hank Pandes
PK



Dr. Tim Rudolph
CTO



Dr. Charles Kelley
XR



Mr. Bill Donaldson
SB



Ms. Dana Townsend
EO

CCX

BA

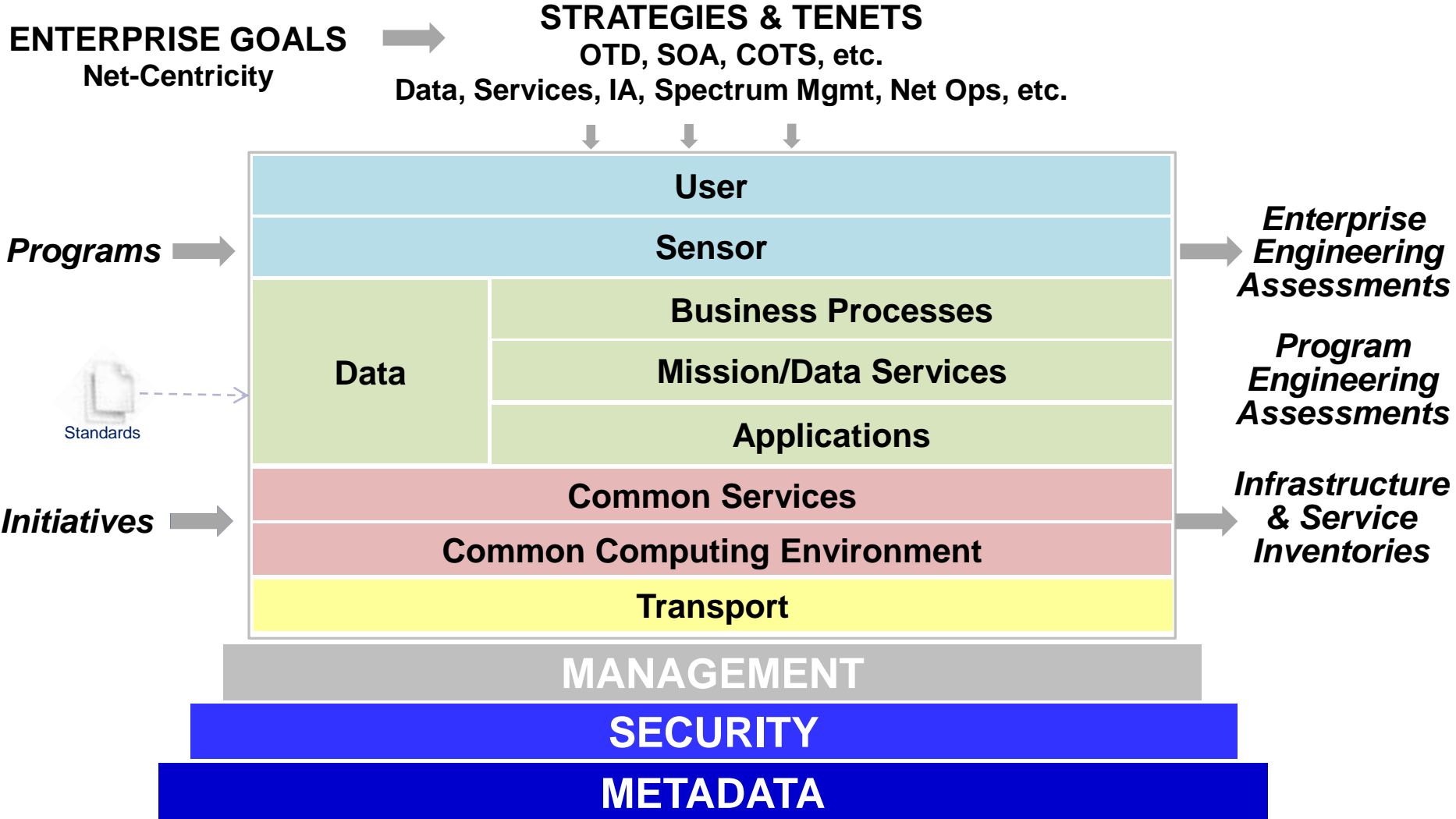
CCP

CSH

HO



Interoperability At The Core Engineering Baseline (Level 0 View)





Fighting Through A Major Cyber Attack Information Assurance



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- **Imperative – Protecting the Domain**
 - Georgia And Estonia Cyber Attacks
 - USAF Network Attacks
 - Social Networking Attacks
 - Cyber Crime, e.g. UBS
- **Fighting Through an Attack**
 - Resiliency of Network Protection
 - Prioritization of Net-centric Authoritative Data to Preserve Mission Critical Capabilities
 - Continuity of Operations (COOP)

ESC Needs To Become A “Center of Excellence In IA”



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2009 Challenges



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- **More Capabilities To The Warfighter**
- **Interoperability At The Core**
- **Fighting Through A Major Cyber Attack**
- **Migrating to SOA**

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