

Leading Transformation



- The US Army "At War and Transforming"
 - 781,000 to 480,000 active duty since 1990
 - Forces currently deployed in 120 countries
 - Army's transformation effort announced in Oct 1999
 - Leading implementation of network-centric operations
 - Driving Joint interdependency and standards

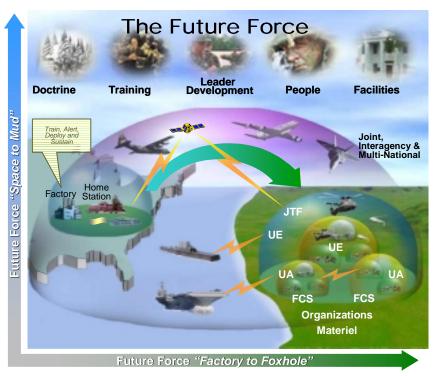


Chief of Staff of the U.S. Army GEN Peter Schoomaker

- •FCS: Transformation in Multiple Dimensions
 - Warfighting, logistics, technology, business

Program Overview





- Network-centric system-of-systems approach to land combat
- Dominant across spectrum of conflict
- FCS is primary mechanism to transform the Army to a lighter, more responsive lethal force

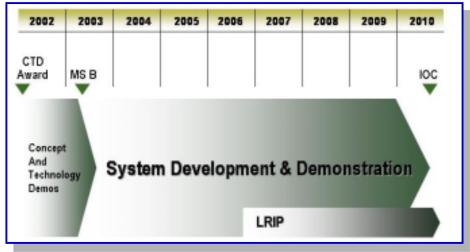
Customer: US Army

OTA Ceiling Price Value: \$14.78B

POP: Award May 2003 thru Dec 2011

Industry: Boeing & SAIC and the

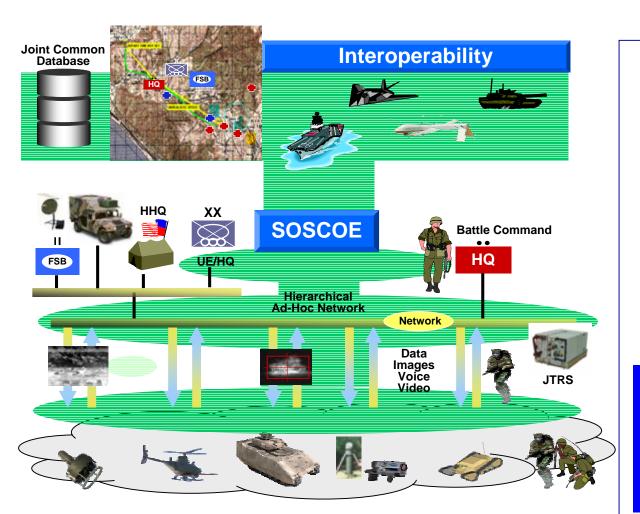
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FCS Network Centric Architecture



A New Way of Warfighting



Key Performance Parameters

- 1. Joint Interoperability
- 2. Networked Battle Command
- 3. Networked Lethality
- 4. Transportability
- 5. Sustainability/Reliability
- 6. Training
- 7. Survivability
- 8. Affordability

FCS Advantage:

- -Conflict duration
- -Survivability
- -Logistics footprint

Setting the Program



SDD Program definition completed in CTD phase

- Defined critical technologies and risk mitigation plans
- Joint/collaborative environment DARPA/Army/LSI
- Detailed SOW, WBS, IMP/IMS
- Joint cost estimate in non-competitive environment
- Detailed plan for cost estimates
- Alpha contracting approach for SDD phase leading to DAB Milestone B decision and definitization
- Numerous independent reviews
 - Government (CAIG, Welch Panel 1, 2 & 3)
 - Internal Army Senior Advisory Group
 - Internal LSI (Independent technical review, Red Team)

SDD Program Approach Widely Reviewed

Lead System Integrator Approach



- LSI is not a type of contract
- LSI is a style of operation
- Conventional Prime
 - Develops/builds what it can
 - Subcontracts what it can't
- LSI
 - Focuses on systems engineering, systems integration, systems planning and control to provide a "System-of-Systems"
 - Gets the best systems industry provides

Leverages Industry / Industry Relationships

Future Combat Systems – One Team

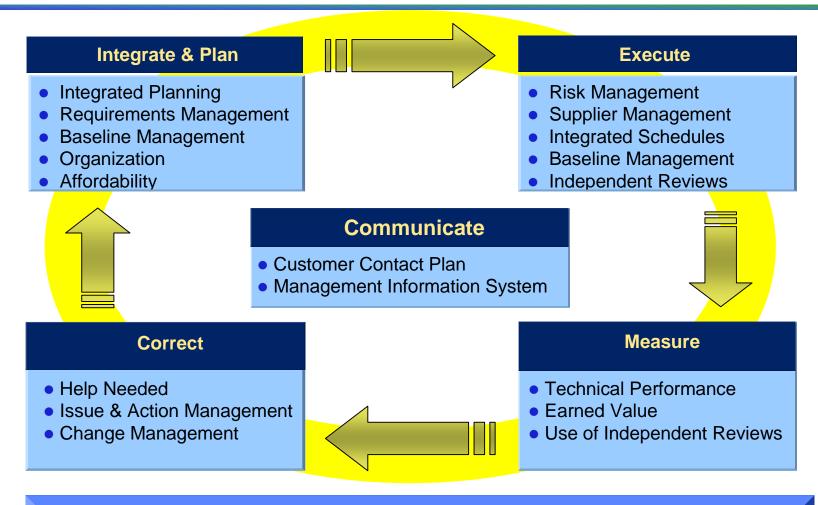




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Battle Rhythm





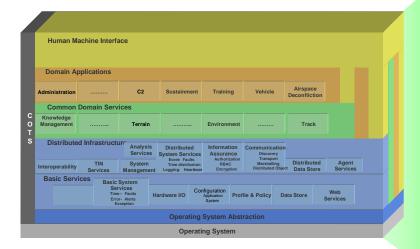
Deliver Customer Solutions

Affordable - Reliable - Supportable

System of Systems Common Operating Environment (SOSCOE) Overview



Implementation Reference Model Version 1.5



Domain Applications

SOSCOE

Operating System

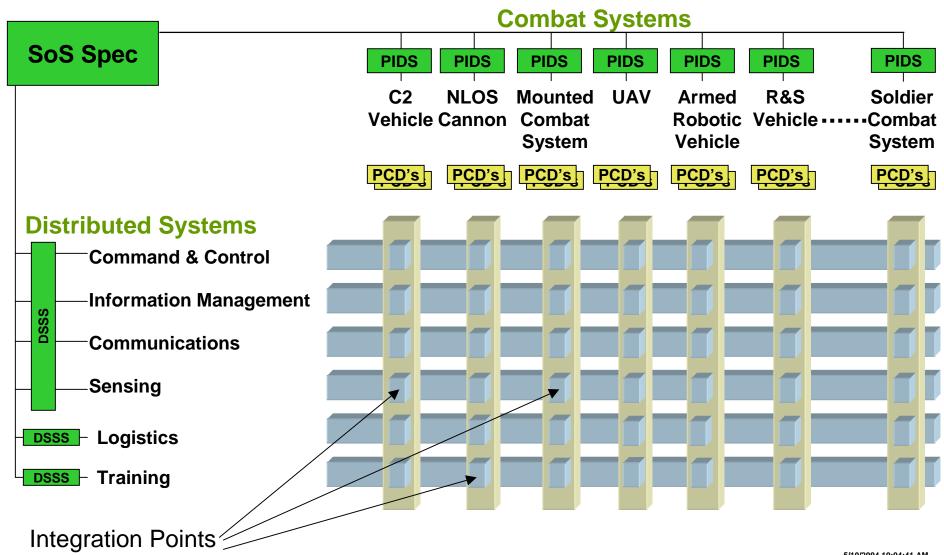
Network Foundation

Service Families
Administrative services
Knowledge services
Information services
Communication services
Data store services
Information assurance
Interoperability
System management services
Analysis services
System services
Configuration and control
I/O services
Web services
User profile and policy services
OS abstraction

SOSCOE is composed of a series of service families

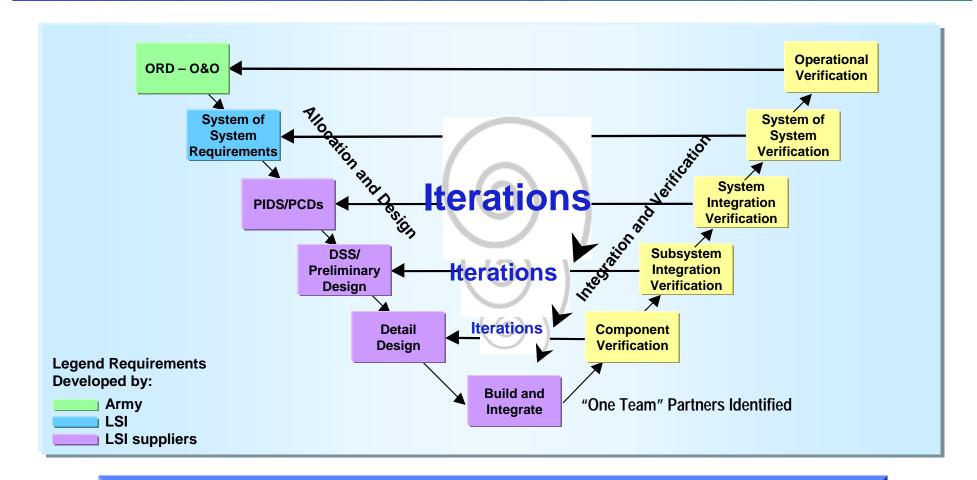
FCS System of Systems Horizontal and Vertical Integration





System of Systems Engineering, Integration, and Verification - "The Big Picture" for SDD





We Are Currently Operating In Several Allocation and Design Activities and Solidifying Plans for Verification

Summary



Executable program from Day One

- CAIG Estimates
- Contract Type
- Funding stability

Manage System of Systems Engineering / Requirements Process

- LSI
- Robust requirement disaggregation and verification and validation processes
- Baseline management

One Team Alignment

- Shared Values
- Shared Processes and Best Practices
- Shared Destiny

Single Vision & Purpose