

DESIGN / DEVELOP / DELIVER / DOMINATE



- Outline
 - Problem
 - Purpose
 - Framework Elements
 - Proposed Framework





Problem

- -While the Army has a well developed Force Management model, it lacks a universally accepted framework to identify, analyze, and make informed decisions regarding trade-space within individual systems, across Systemsof-Systems (SoS), and across capability portfolios.
- -The Army has well-developed processes to identify capability gaps, and propose individual systems to address those gaps, but lacks a universally accepted framework to analyze SoS and architecture alternatives to address mission-specific gaps.





Purpose

- -Propose a framework to examine individual system and SoS trades while considering multiple dimensions, in order to provide required information for leadership decisions across capability portfolios
- -Advance towards the means to:
 - -Establish an accepted framework for examining trade-space within individual systems and across Systems-of-Systems (SoS)
 - Consistently examine capability trades within portfolios
 - -Provide decision-quality information to leadership using a consistent methodology

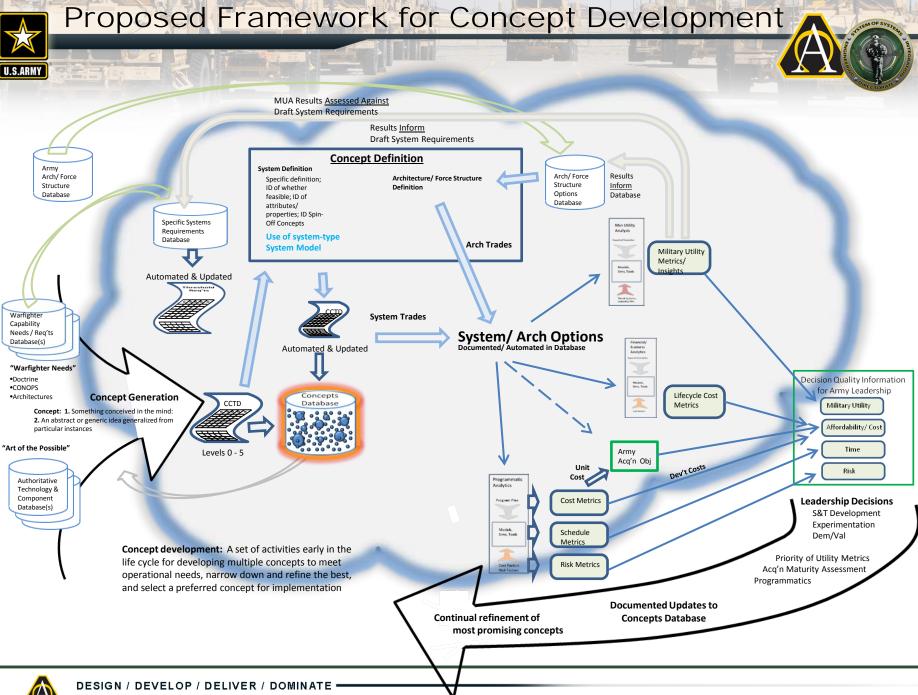




Elements

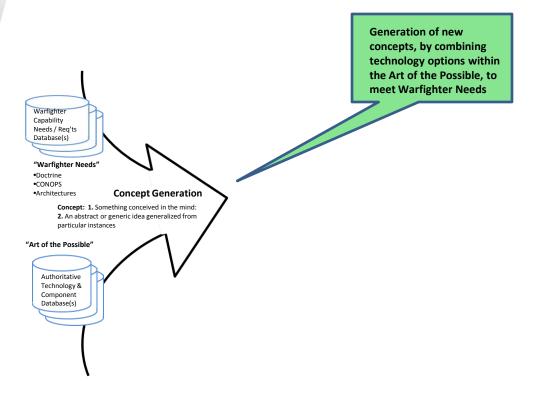
- -Concept generation
- Documentation of concepts
- Analysis of individual concepts
 - Feasibility
 - Physics-based capability analysis
- -Architecture Analysis
- Mission Utility Analysis (MUA)
- -Financial & Business Analysis
- -Programmatic Analysis
- Information to decision-makers based on a consistent methodology
- -Concept refinement





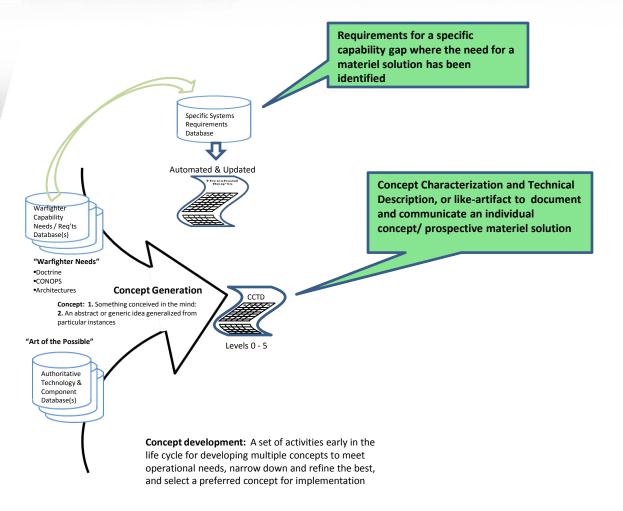






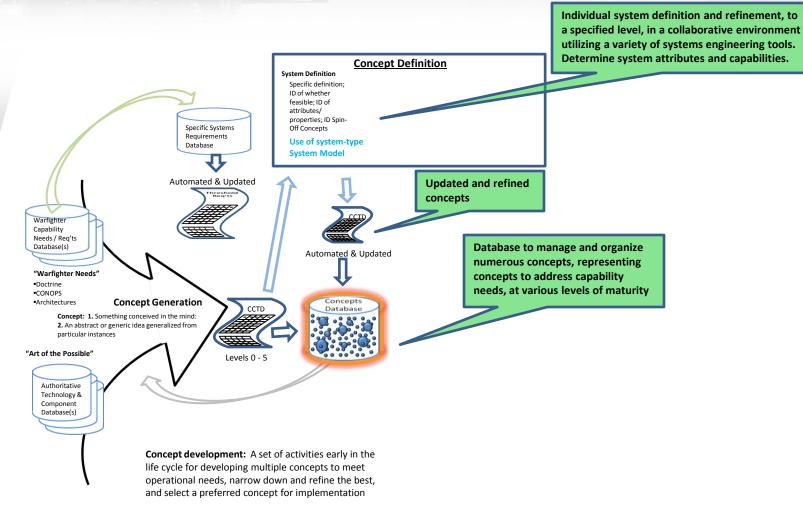




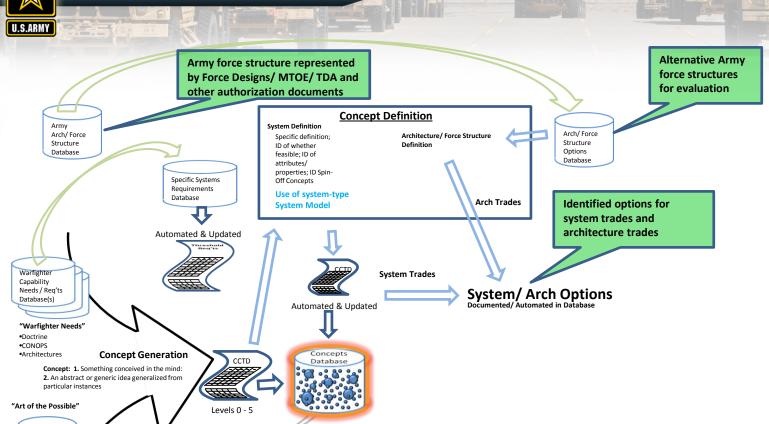










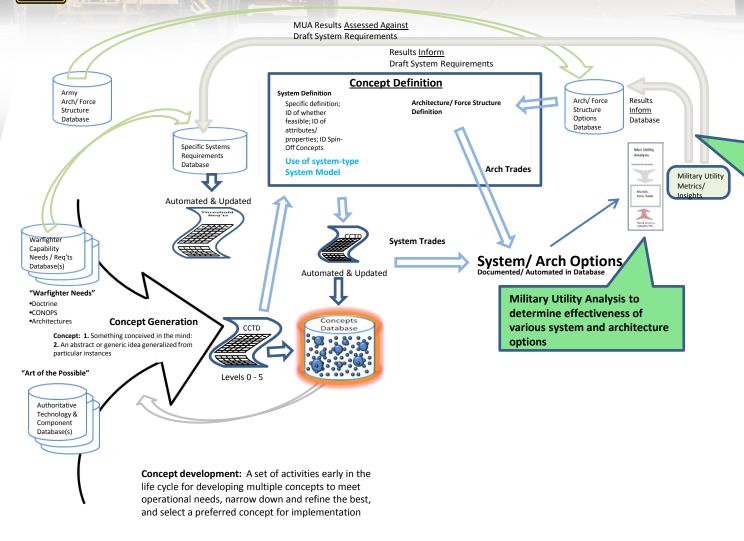


Concept development: A set of activities early in the life cycle for developing multiple concepts to meet operational needs, narrow down and refine the best, and select a preferred concept for implementation

Authoritative Technology & Component Database(s)

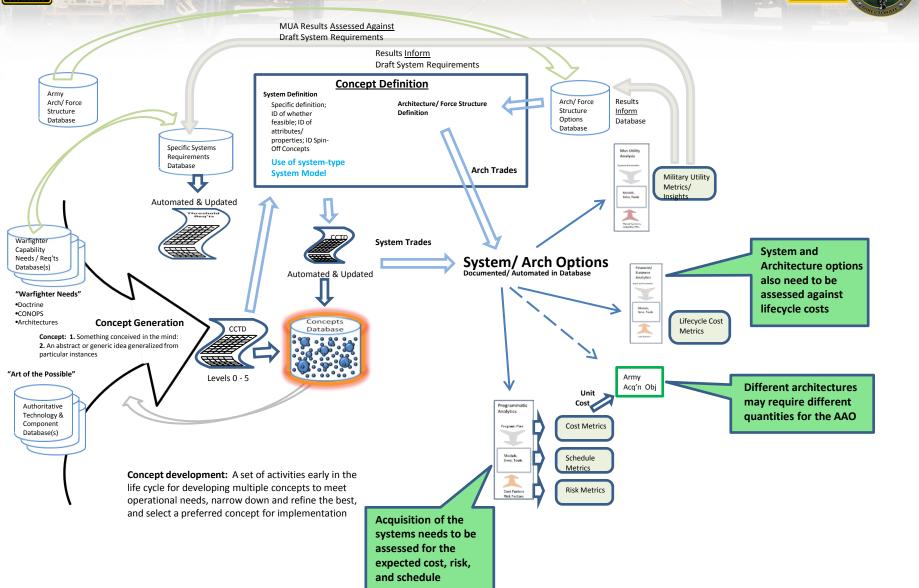






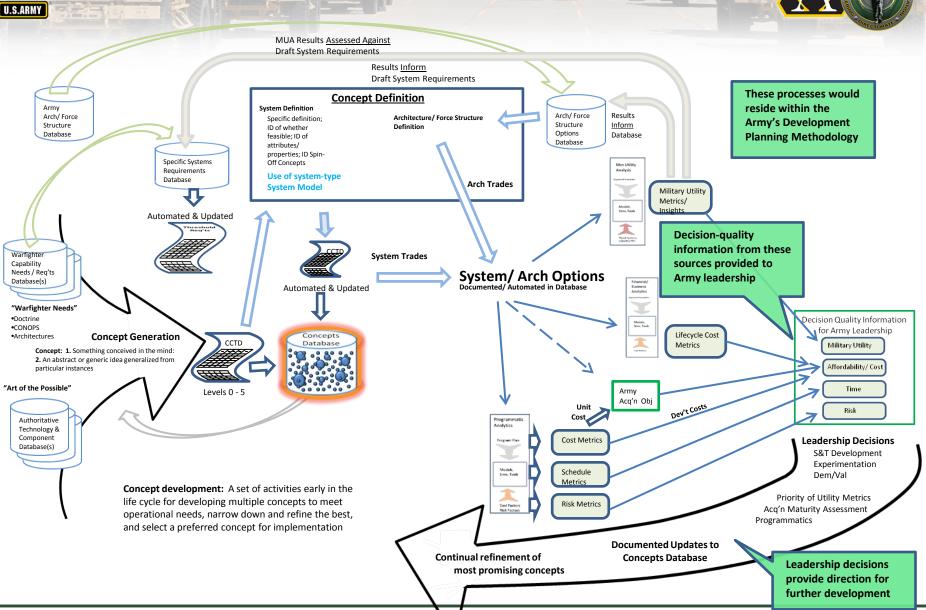
Results of analysis assessed against system requirements. Results also used to inform system requirements and inform the list of architecture/ force structure options.

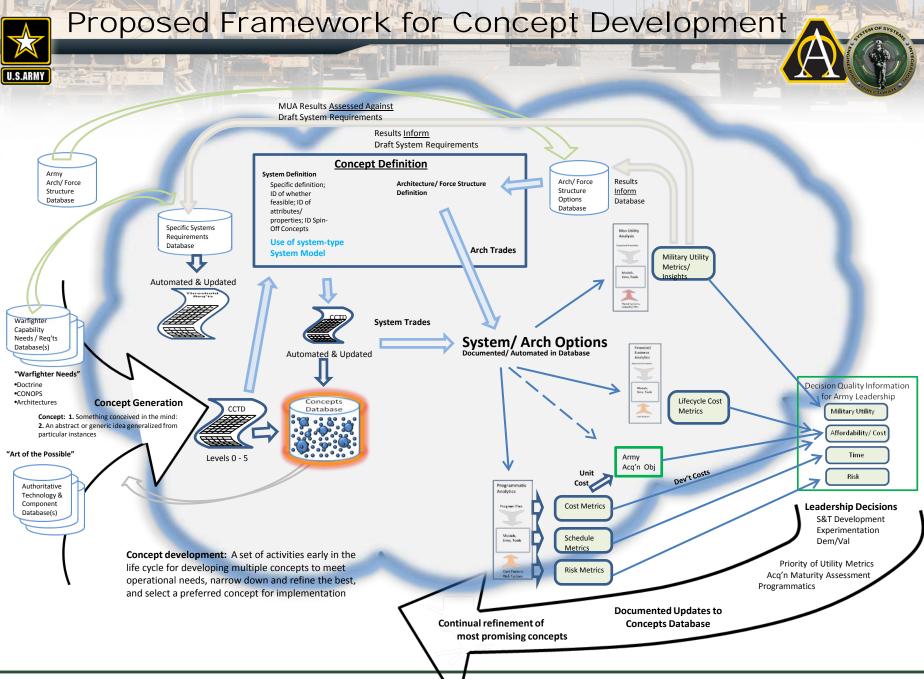
















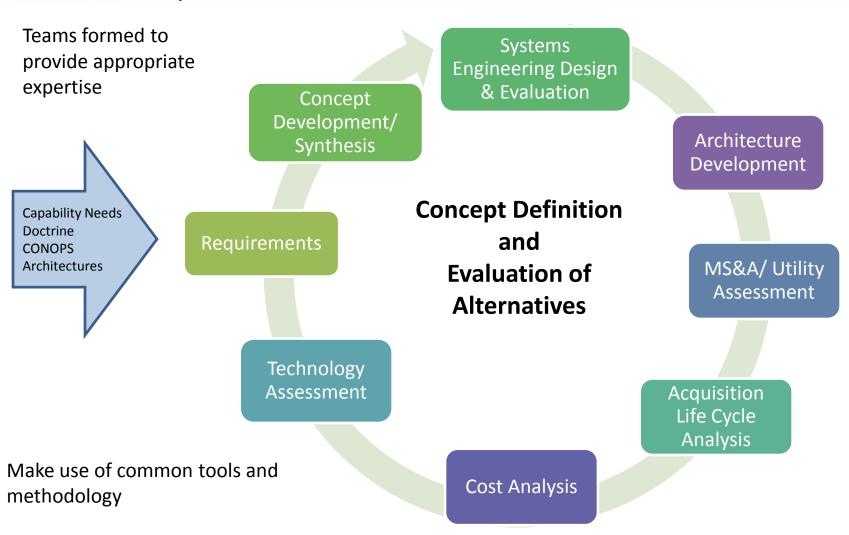


Back-Up Slides





Concept Definition and Evaluation of Alternatives

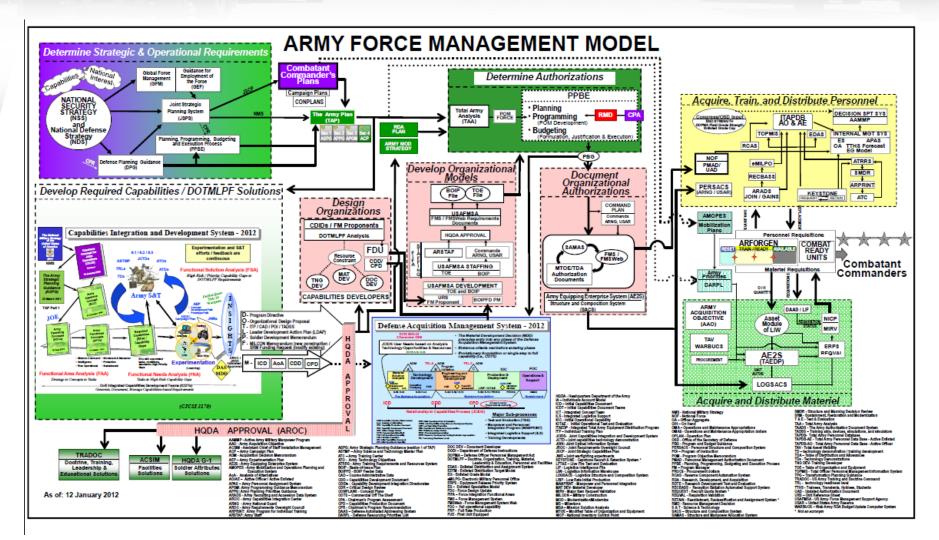




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Army Force Management Model "Strategy to Structure"

