

Department of the Air Force

Integrity - Service - Excellence



DAF Information Technology and Cyberpower (DAFITC) SAF/MG EA Brief



**Edward Mills
29 - 31 Aug 2022**



DAFITC 2022 Theme & Tracks

“A Resilient Digital Air and Space Force: Enabling Deterrence Through Cyber”

■ Track 1: Integrated Deterrence

- JADC2 and ACE
- Interoperability (Joint, Allies, & Partners)
- ABMS

■ Track 2: A Digital Air & Space Force

- Software Dev/SecOps
- Data & AI
- User Experience

■ Track 3: Next-generation Networking

- Cloud/Edge computing
- Zero Trust
- Application and Programming Interfaces (APIs)



■ Track 4: Operationally-Focused Cybersecurity

- Advanced Threats
- Information Warfare
- Securing the Software Supply Chain

■ Track 5: Enabling Digital Talent/Human Capital

- Training/Education
- Development
- Diversity & Inclusion



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Briefing Focus Points



- **Strategic Drivers**
- **Call for a Unified DAF BMA**
- **Journey to a Digital Air Force**
- **Architecture Value**
- **Current BMA (not connected) and Future State (OneBMA)**
- **Enterprise Architecture Discipline**
- **Way Ahead**



Strategic Drivers



SECDEF – Message to the Force:

“Ensuring that the Department develops the right people, priorities, and purpose of mission to continue to defend the Nation from enemies foreign and domestic.”

Capability Planning Guidance (CPG)

Secure and compliant systems focusing on Identity, Credential, and Access Management (ICAM), Federal Financial Management Improvement Act (FFMIA), and Standard Financial Information Structure/Standard Line of Accounting (SFIS/SLOA).

CSAF – “Accelerate Change or Lose”

Focus on the Joint Warfighting Concept, enabled by Joint All-Domain Command and Control and rapidly move forward with digital, low cost, high tech, war-fighting capacities.



Secretary of Defense
Mr. Lloyd J. Austin III



Secretary of the Air Force
Mr. Frank Kendall III



Air Force Chief of Staff
General Charles Q. Brown, Jr.



DAF Deputy Chief Management Officer
Mr. Richard W. Lombardi

Reform the
Department for great
performance and
affordability

Cost-effectively
modernize ... to increase
the lethality of the force.

Strengthen our alliances
... because we are
stronger together.

DAF Operational Imperatives (OIs)

Transition the DAF to a wartime posture. Cybersecurity and Defense (CS&D), focused on non-kinetic attacks from a peer adversary that would prevent the DAF from generating combat power.

SECAF - Cyber-Task Order (CTO)

Assigned Business Systems to leverage enterprise IT services to the maximum extent possible in future system recapitalization efforts and new programs or systems in the POM cycle.

Business Mission Area Strategy

Provides BMA stakeholders a directional product for aligning enterprise initiatives to achieve Congressional, DoD and DAF Imperatives. Key components includes, defining a performing governance construct, building cost effective and efficient operations, rapidly fielding capabilities to Airman and Guardian and modernizing the BMA environment.

Drives IT Portfolio Plans and Priorities



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Call for a Unified DAF BMA

Support a Digital Air & Space Force/Enables Development of Airman & Guardian's Talent



The BMA will dramatically improve how it governs, manages and deliver business capabilities by establishing a BMA Enterprise Architecture (EA) discipline that maps data, systems and functional communities to business capabilities.

What's Happening Today



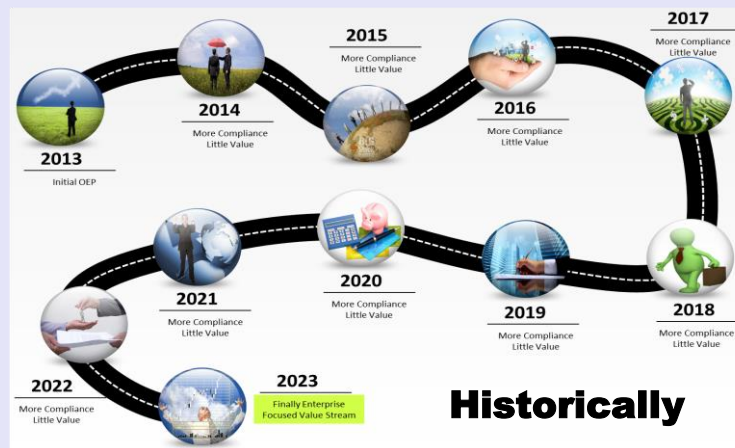
Siloed Strategic Planning & Execution

- Adhoc Planning and Prioritizations
- Lack of transparency into Enterprise Directional Guidance
- Missing Evaluation Criteria for Planners to Achieve Alignment
- Defense Business Systems evaluations must go beyond compliance to enterprise unification

Paradigm Shifters

Some Key Enterprise Focus Areas:

- Secure Enterprise (Includes Audit Objectives)
- National Defense Strategy Objectives
- SECAF Management Initiatives
- Unified Data Architecture
- Modernized BMA



Future State



- More Secure and Efficient DAF Environment
- BMA value defined to the WF Mission Area
- Enterprise Ability to Prioritize and Work on the Right Projects that Matter to the Enterprise
- Digital Governance (Decisions by Data Only)
- Enterprise Ability to Effective the POM process
- Functional Autonomy w/ Agreement on Enterprise Priorities

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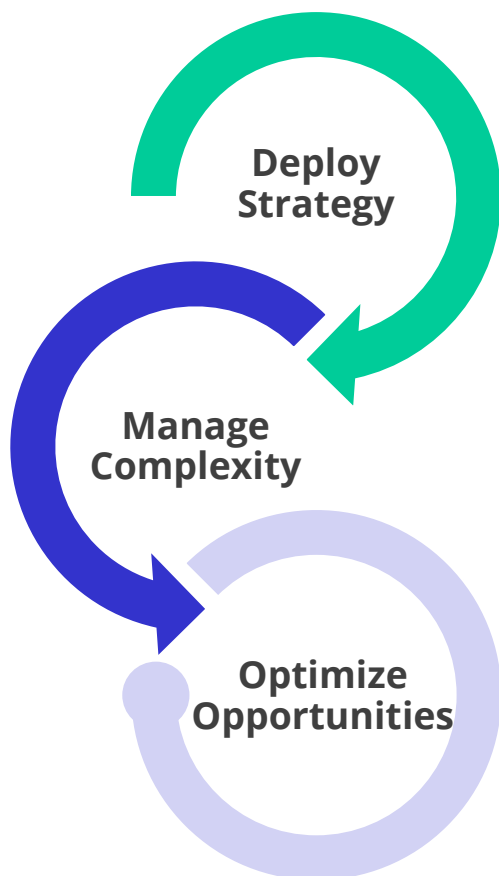
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BMA Architecture Value Proposition

BMA Strategy – Support Strategic Themes #1 through 4



An EA capability will help accelerate BMA Transformation & Modernization efforts by providing stakeholders and decision makers with greater visibility into the Enterprise



Deploy Strategy

- Guide and support new and existing BMA business capabilities, processes, and investments in accordance with DAF & BMA strategies, goals, and objectives
- Enable rapid access to architectural information to inform better decision making across the BMA domain while reducing the need for frequent data calls

Manage Complexity

- Provide a centralized repository to store and integrate disparate architecture content from multiple organizations
- Provide traceability between BMA strategic goals and initiatives, business functions, IT assets, and data elements

Optimize Opportunities

- Exposes technology gaps and redundancies across the portfolios and identifies opportunities to leverage technology to go after labor intensive manual processes
- Documents system design specifications needed to develop IT solutions



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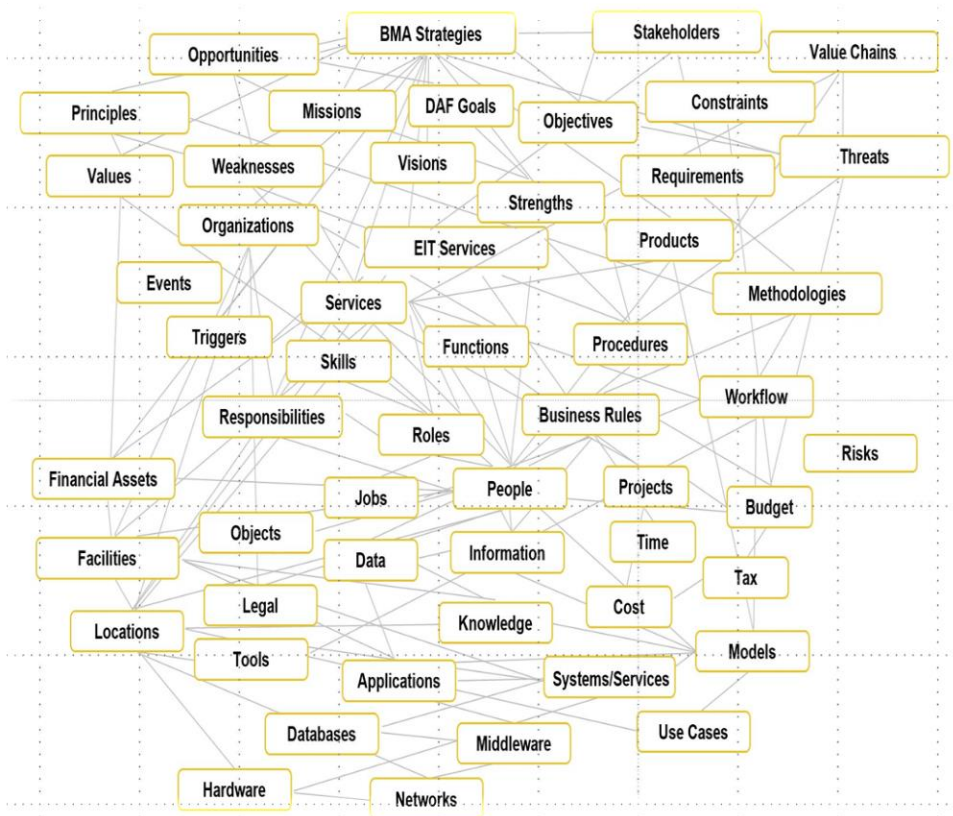
BMA “Must” Modernize

BMA Strategy - Strategic Theme #4

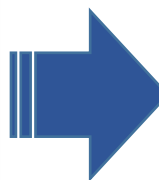


SILOED BMA DISCIPLINES & INITIATIVES

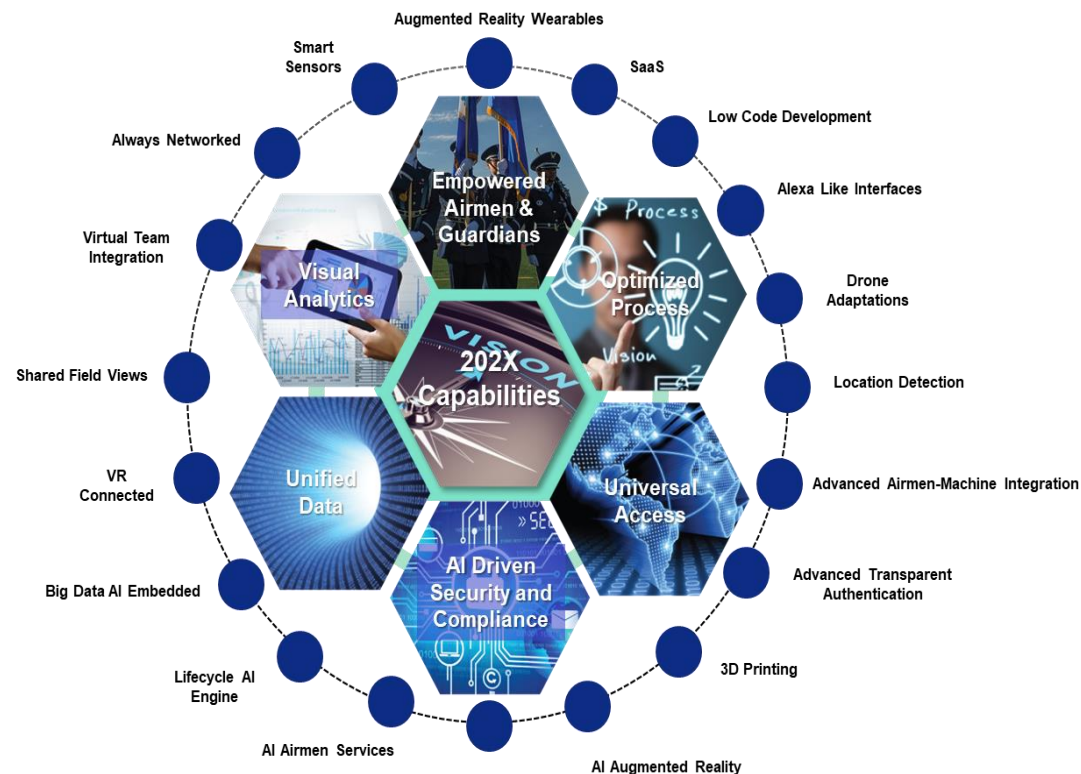
Current BMA environment too complex to manage and must “Modernize” to achieve Changing Goals and Objectives.



Transition



The Vision – OneBMA



Business Processes are Natural Organizers and Connect Capability to Strategy

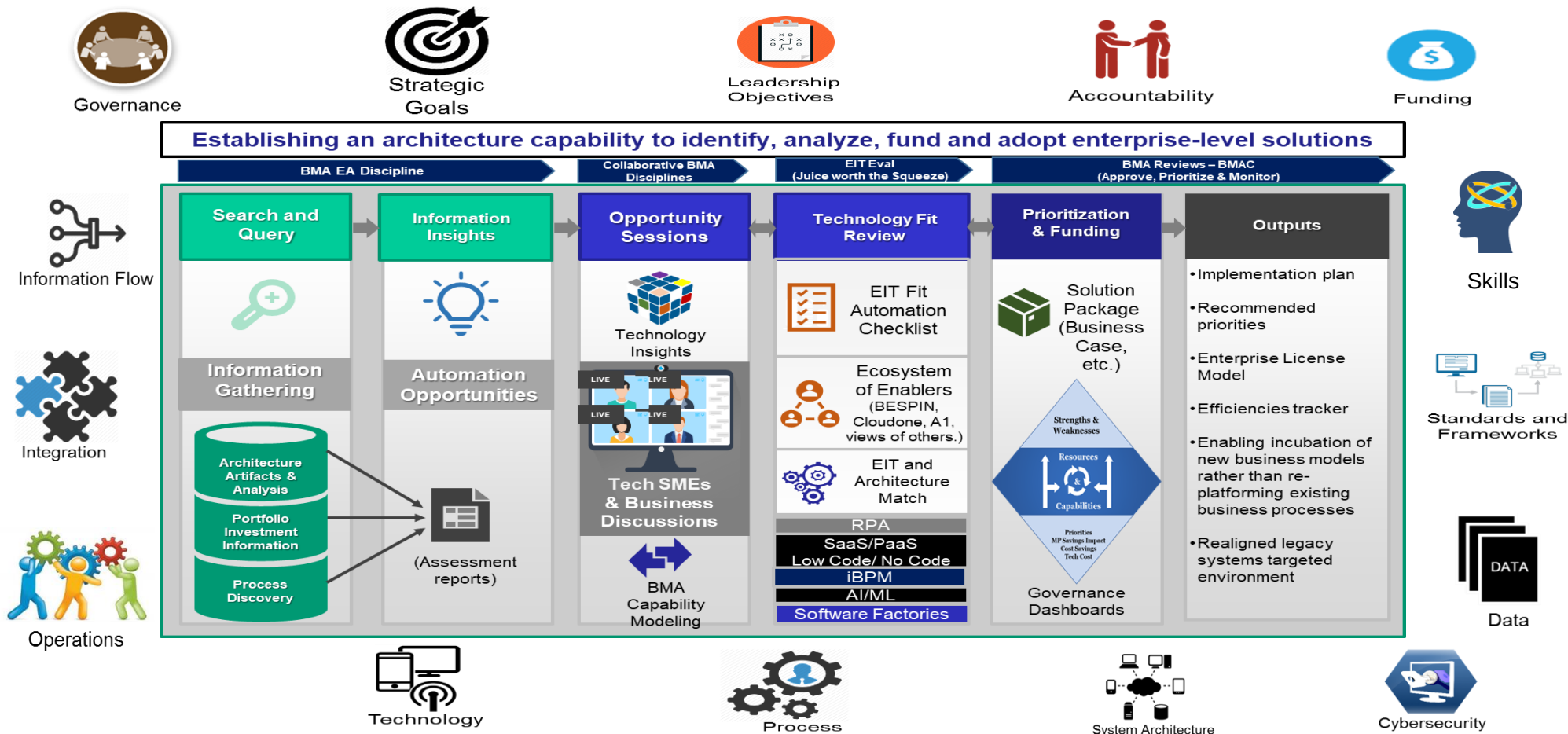


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Enterprise Architecture

Operating to Connect the Services Ecosystem

BMA Strategy – Support Strategic Themes #1 through 4



EA is the Linchpin that Provides Visibility into the Enterprise Performance Debt



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Enterprise EA Disciplines

BMA Strategy – Support Strategic Themes #1 through 4

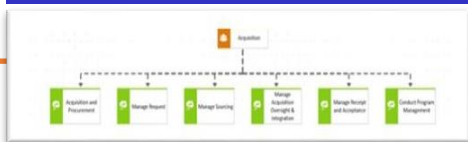


STEP 1 Capability & Operational View Development

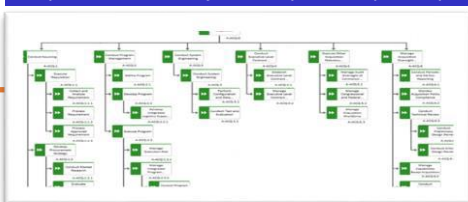
- Identify BMA Portfolio Capabilities
- Identify BMA OAs Performed
- Map Capabilities to OAs

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Capability Taxonomy (CV-2)



Operational Activity Decomposition (OV-5a)



Capability to Operational Activity Mapping (CV-6)



- Insight into capabilities and operational activities performed by portfolios to achieve business mission

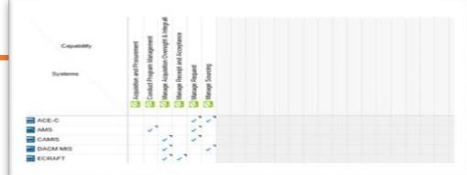
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STEP 2 System View Development

- Map Capabilities to Systems
- Map OAs to Systems
- Develop Systems Roadmap

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Capability to System Mapping (CV-7)



System to Capability / OA Mapping (SV-5b)



System Evolution Description (SV-8)

Legacy System	Domain	Migration Type	Migration Date	
T.N	FM	Full	9/30/2021	GFBS INC II
ACRIG INCOM	FM	Legacy Sy.	9/30/2022	NFMS INCOM
ANC SMC ONLINE	FM	Full	9/30/2021	GFBS INC II
APLAS	FM	Full	9/30/2023	LMP INC 2
ASA	FM	Full	9/30/2022	GFBS INC II
BARDS	FM	Full	9/30/2023	LMP INC 2
BEST	FM	Partial	9/30/2021	GFBS INC II
CBS	FM	Full	9/30/2021	GFBS INC II
CORPOB	FM	Full	9/30/2021	GFBS INC II

- Insight into systems supporting capabilities
- Identify system redundancies
- System roadmap / migration view

VALUE

STEP 3 Process View Development

- E2E Process Hierarchies
- E2E System Mapping

INPUT

E2E Process Hierarchies



E2E to System Mapping



- Process drill down from Level 0 E2E
- System mapping to E2E processes

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Enterprise Management Product Suite (EMPS)

Enterprise Management Product Suite (EMPS)

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BMA (EA) Way Ahead

- **Continue to Socialize EA Direction with Community and Partners**
- **Establish DAF Architecture Management Solution**
 - Define licensing model
 - Establish DAF EA database / create folder structure
 - Extract AF BEA data for pilot MVP baseline artifacts
- **Identify Pilot Process Reform Opportunities**
- **Integrate DAF Data Visualization Platform with EA Solution**
- **Portfolio Management Touch Points**
- **BMA Capability Maturity Model**



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Questions



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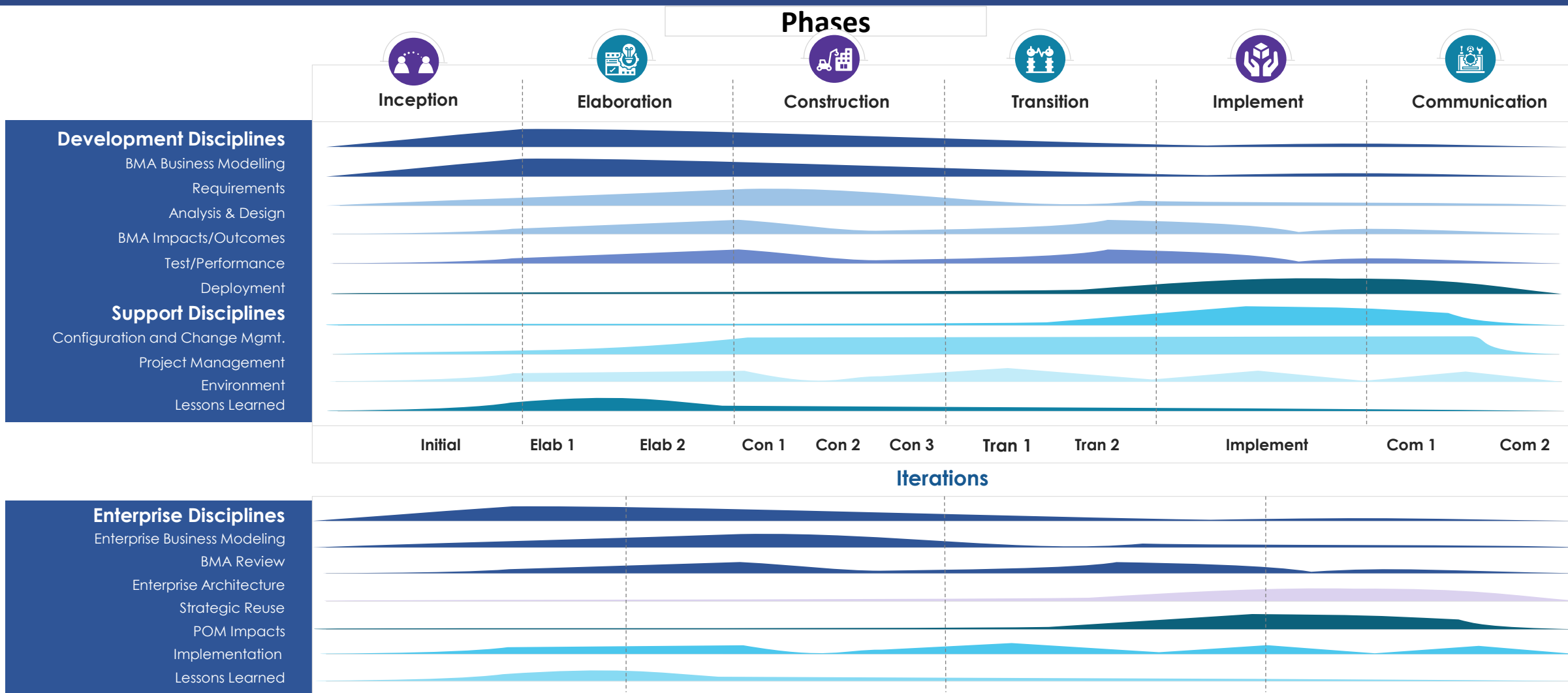
Back up



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OneBMA Unification Life Cycle

BMA Strategy – Support Strategic Themes #1 through 4





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Thank you