

BUSINESS ARCHITECTURE METAMODEL UPDATE

2017 Summit Update

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OVERVIEW



- Guild background and team structure
- Business architecture framework recap
- Business architecture knowledgebase
- Knowledgebase and metamodel requirements
- Sample metamodel from BIZBOK® Guide
- What the Business Architecture Guild is doing to standardize metamodel views

BUSINESS ARCHITECTURE GUILD BACKGROUND



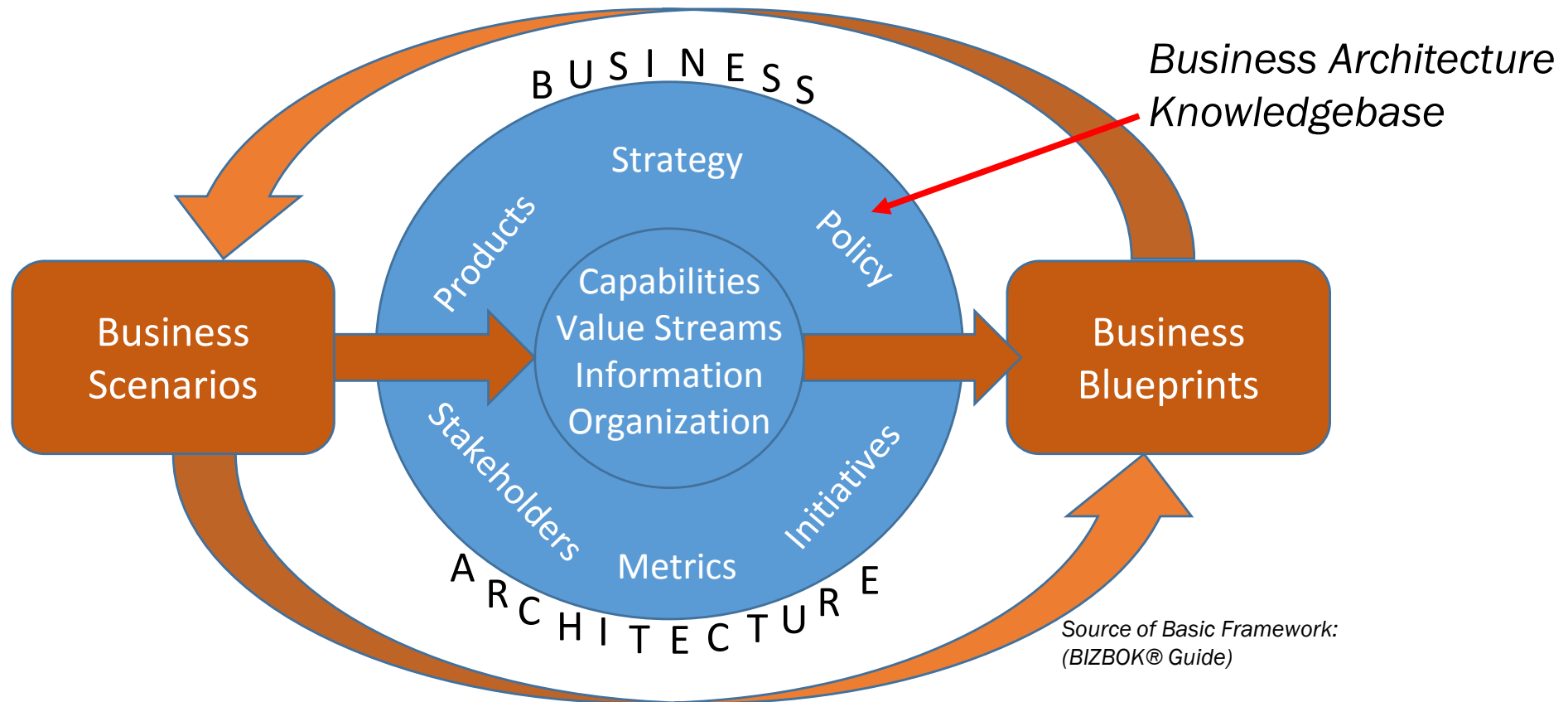
- Business Architecture Guild is an international not-for-profit, member association focused on expanding the practice of business architecture worldwide
- The Guild creates, evolves and disseminates content through the work of close to two dozen, self-organized member teams
- Teams work on white papers, reference models, webinar content, standards and iterations of *A Guide to the Business Architecture Body of Knowledge® (BIZBOK® Guide)*
- The Guild is an active member of the Object Management Group® and the Open Group where it contributes to the evolution of business architecture and related standards, including TOGAF™

THE VALUE PROPOSITION



- Goal – create an international standard for a business architecture metamodel that aligns to and implements the underlying metamodel in the BIZBOK® Guide
- The Win – any tool aligned to a standard metamodel based on BIZBOK® Guide can input and export and ideally represent standard business architecture representations as defined by best practices in the BIZBOK® Guide
- Tools will align more readily to best practices and reduce customization often required by in-house teams
- Business architecture work will be streamlined and expedited

BUSINESS ARCHITECTURE FRAMEWORK RELIES ON ROBUST KNOWLEDGEBASE



- ◆ Knowledgebase: Manages business architecture metadata and relationships in easily accessed facility
- ◆ Blueprints: On demand and ad hoc business architecture diagrams, extracts and reporting
- ◆ Scenarios: Specific business context shaped by business objectives, related challenges, action items, plans

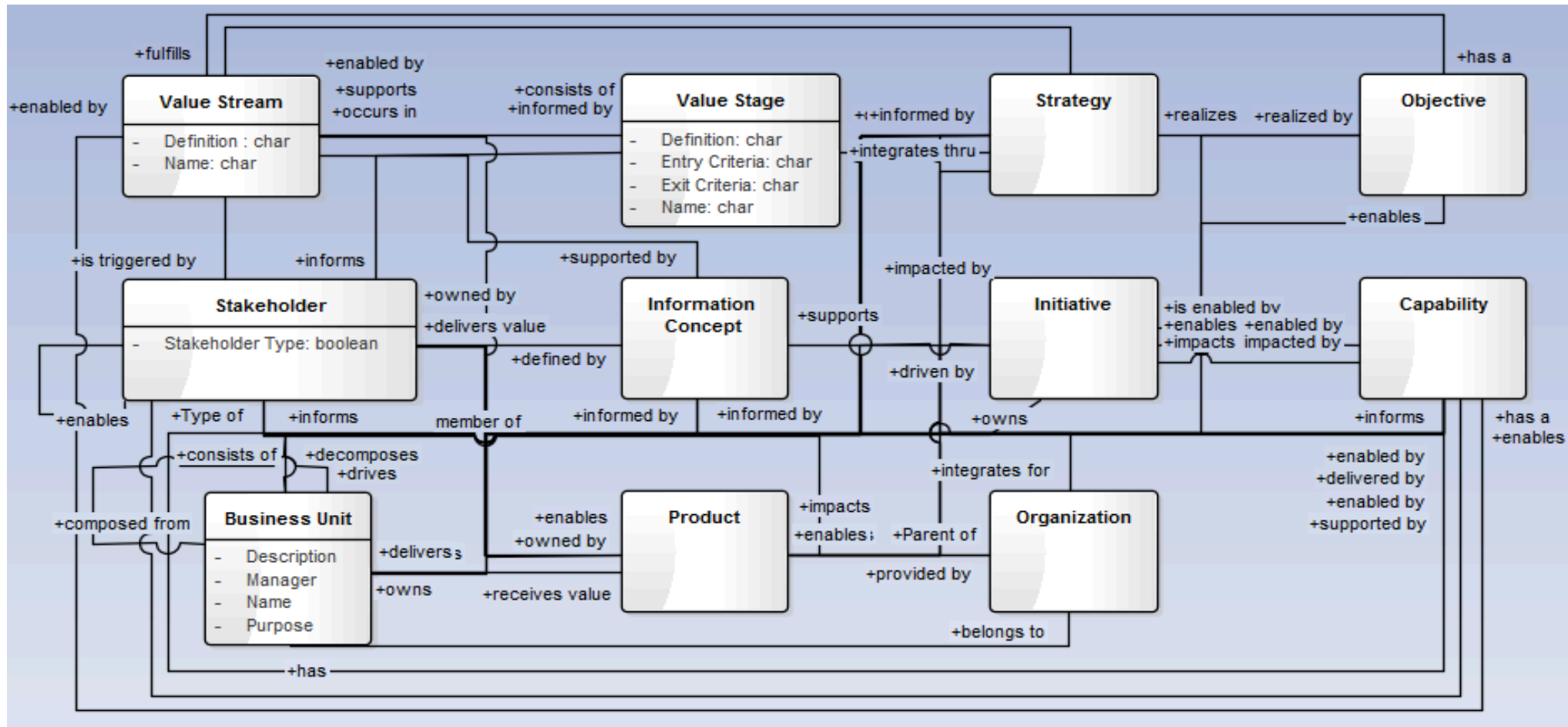
KNOWLEDGEBASE IS BASED ON BIZBOK® GUIDE'S UNDERLYING METAMODEL



- Business architecture maps various business domains that need to be accessible in a wide variety of ways
- This perspective is reflected in the BIZBOK® Guide's business architecture framework
- Managing a well-articulated business architecture requires a robust knowledgebase – the centerpiece of that framework
- **Best practices and emerging standards dictate basic relationships**
 - Repositories, databases and third party software enable management of knowledgebase
 - Best practices are evolving into standards for managing this information
 - In all cases a robust metamodel is needed to enable tool vendors and practitioners to represent, exchange and disseminate standard business architecture blueprints and related representations

SAMPLE EARLY STAGE METAMODEL FROM BIZBOK®

GUIDE PART 5



Sample metamodel depicting relationships among business architecture artifacts

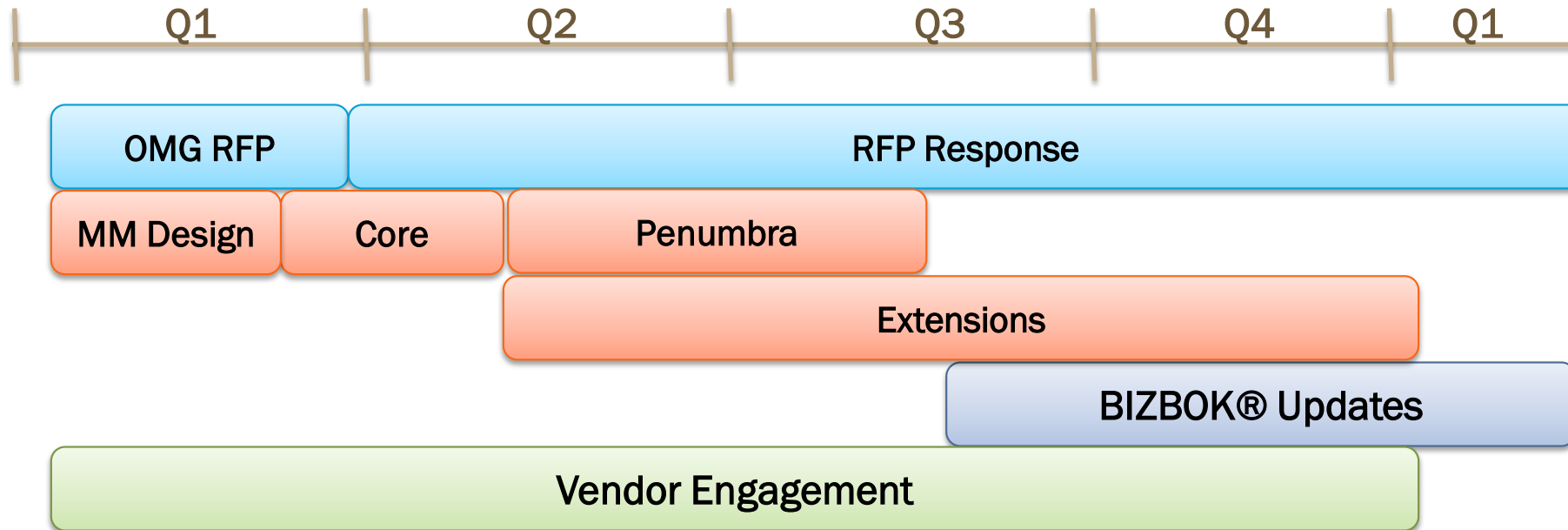
Source: BIZBOK® Guide Part 5

CURRENT WORK IN PROGRESS BY GUILD METAMODEL TEAM



- **Metamodel Design**
 - Inviting international participants
 - Finalizing the core mappings
 - Drafting the penumbra
- **Object Management Group**
 - OMG Business Architecture Metamodel RFP drafted
 - Targeting standard submissions for 2018
- **Open Group**
 - Guild is active member working on business architecture efforts
 - Contributing recommendations to update Open Group TOGAF™ content model
- **Vendor Engagement**
 - Collaborating with tool vendors on metamodel design
 - Inviting vendors to join Guild in a formal submission response

METAMODEL TEAM ROADMAP (2017/2018 TIMELINE)



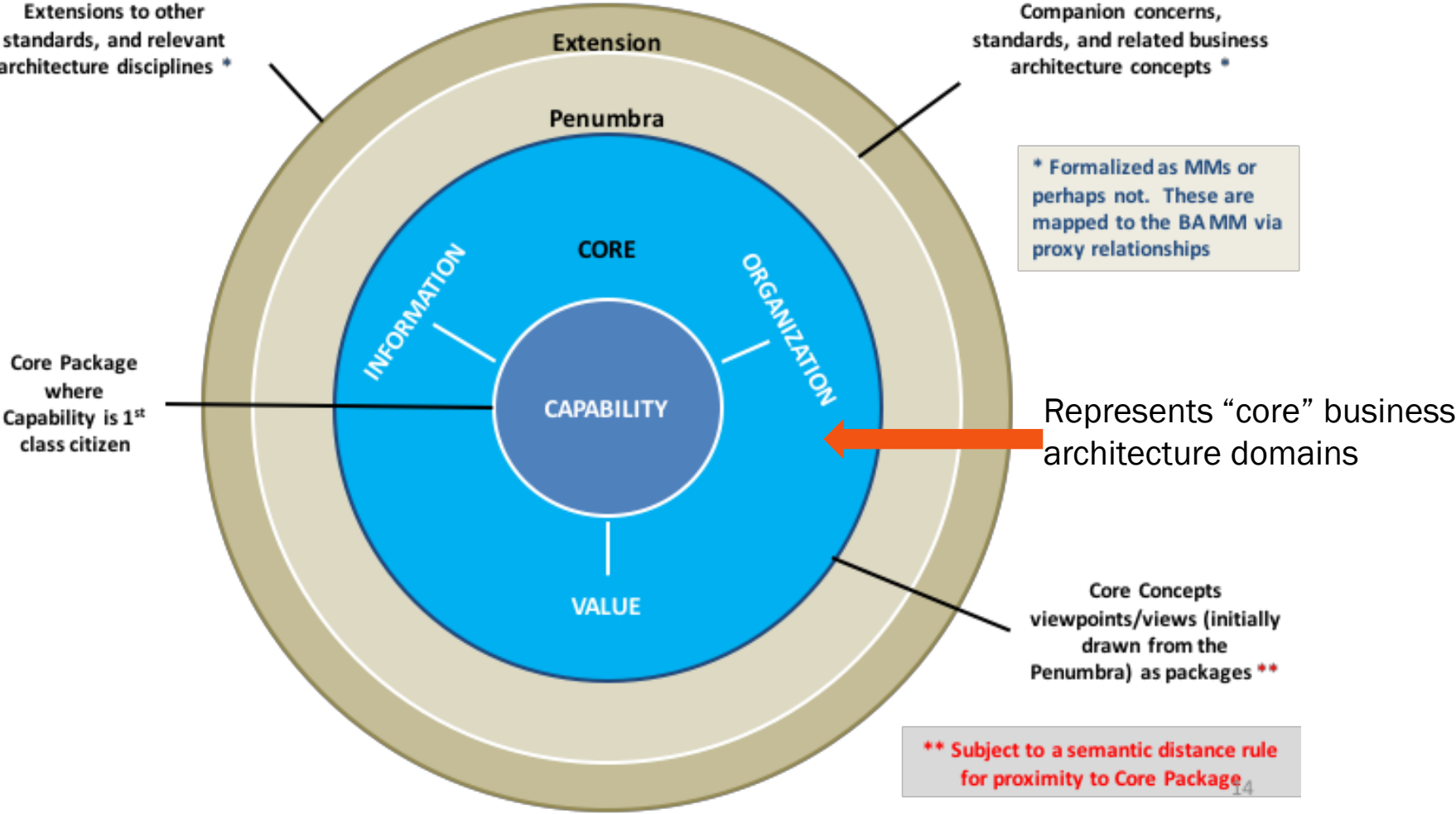
The team is working on multiple threads. Much work and time was spent in the last 12-18 months incorporating new thinking and approach for the metamodel, engaging constituencies in OMG to socialize and build consensus towards a Business Architecture Metamodel RFP, and working with the vendor community to outline opportunities for ongoing collaboration and participation for the future.



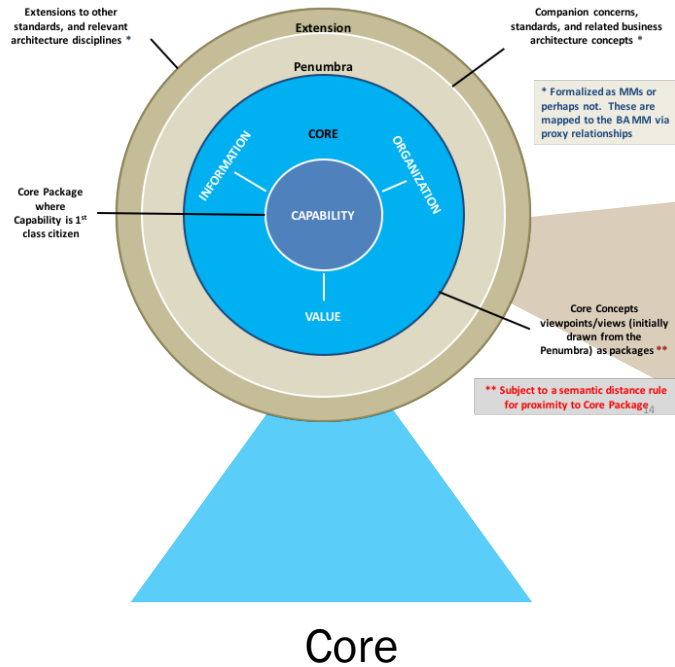
Capability is the natural starting point for a business architecture because it describes “what” a business does in a way that supports analysis of various related business management concerns by:

- ❖ Engaging business and operational stakeholders about their relevant concerns (current state), and
- ❖ Guiding them towards a progressive set of steps to achieve their goals and objectives (strategy) for the short-term and long term (future states)

BIZBOK® BASED, LAYERED METAMODEL VIEW



FIRST 2 LAYERS OF METAMODEL



Penumbra

Business Strategy Mapping
Initiative Mapping
Product Mapping
Stakeholder Mapping
Policy Mapping
BPM and Management
Case Management
Business Performance Mgmt.
Requirements Alignment

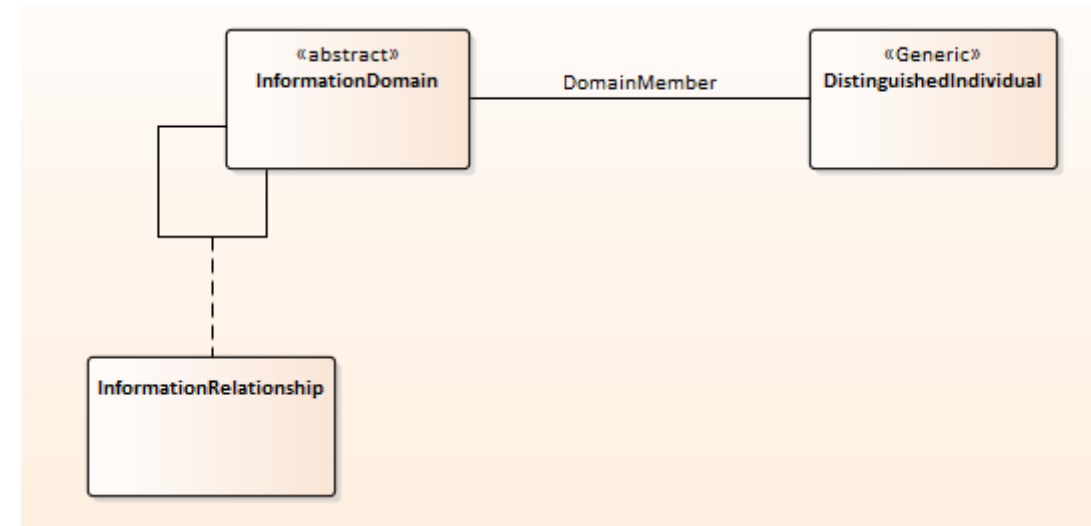
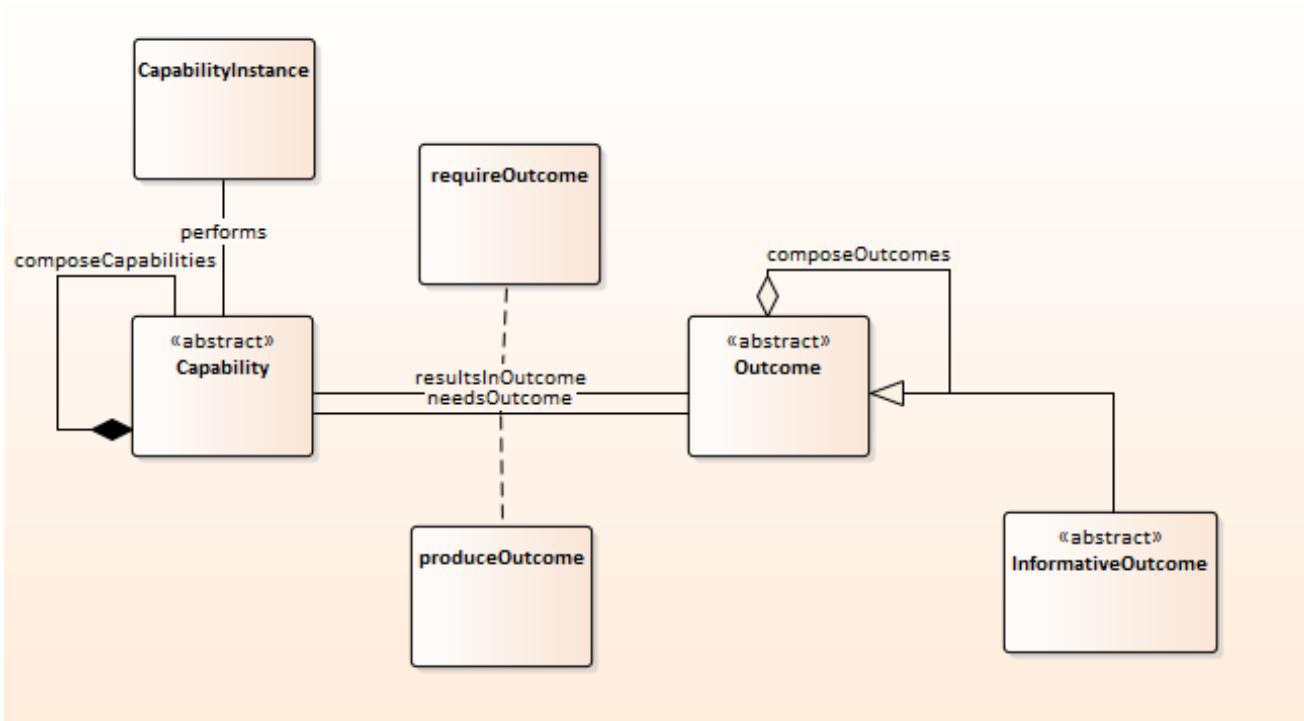
Core

Capability – Centerpiece defines WHAT the business does
Value – defines WHY the business has the capabilities
Information – HOW we build alignment between Capability, Value, and Organization
Organization – HOW we align resources to deliver value

DRAFT METAMODEL PACKAGES FOR CORE BUSINESS ARCHITECTURE DOMAIN PACKAGES



Draft Version of Capability Package

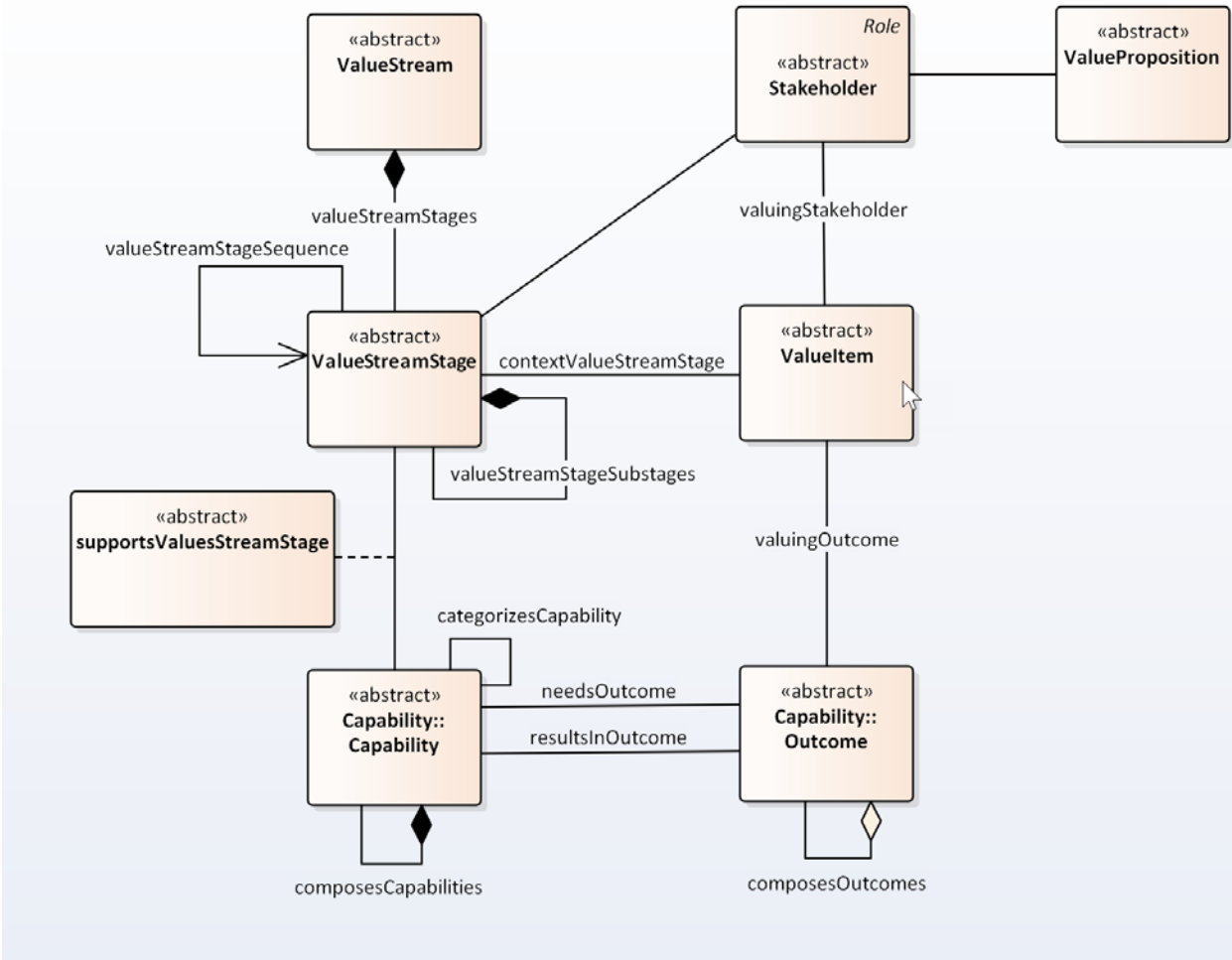
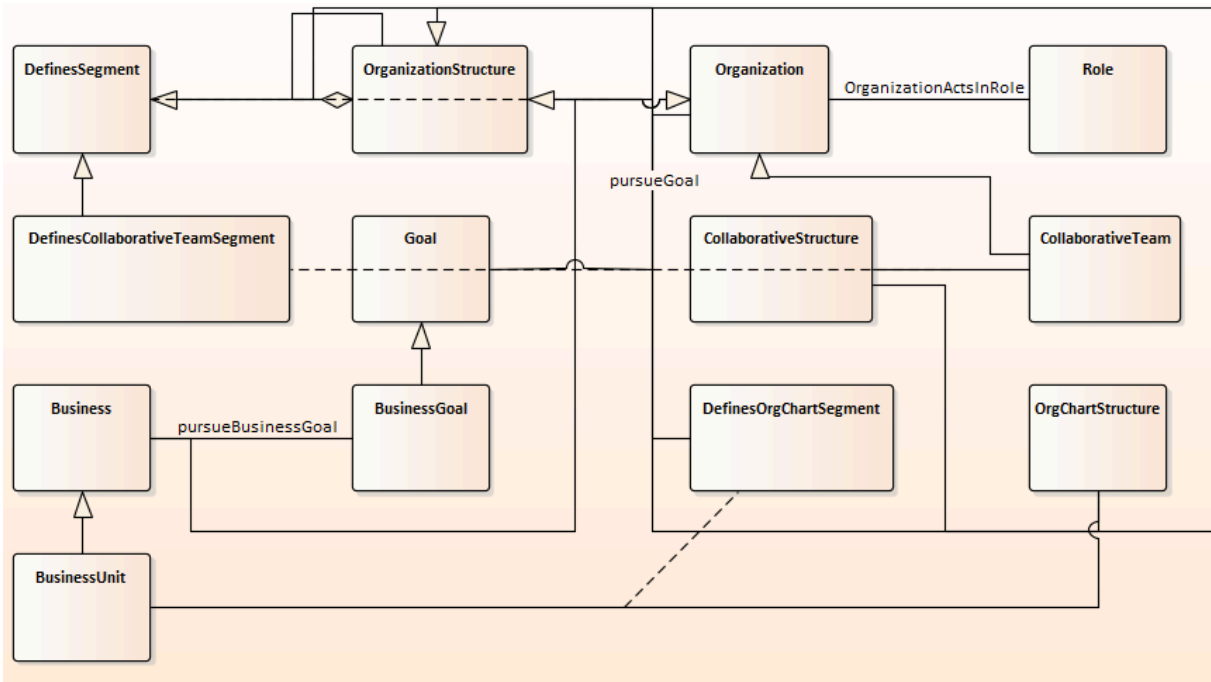


Draft Version of Information Package

DRAFT METAMODEL PACKAGES FOR CORE BUSINESS ARCHITECTURE DOMAIN PACKAGES



Draft Version of Organization Package



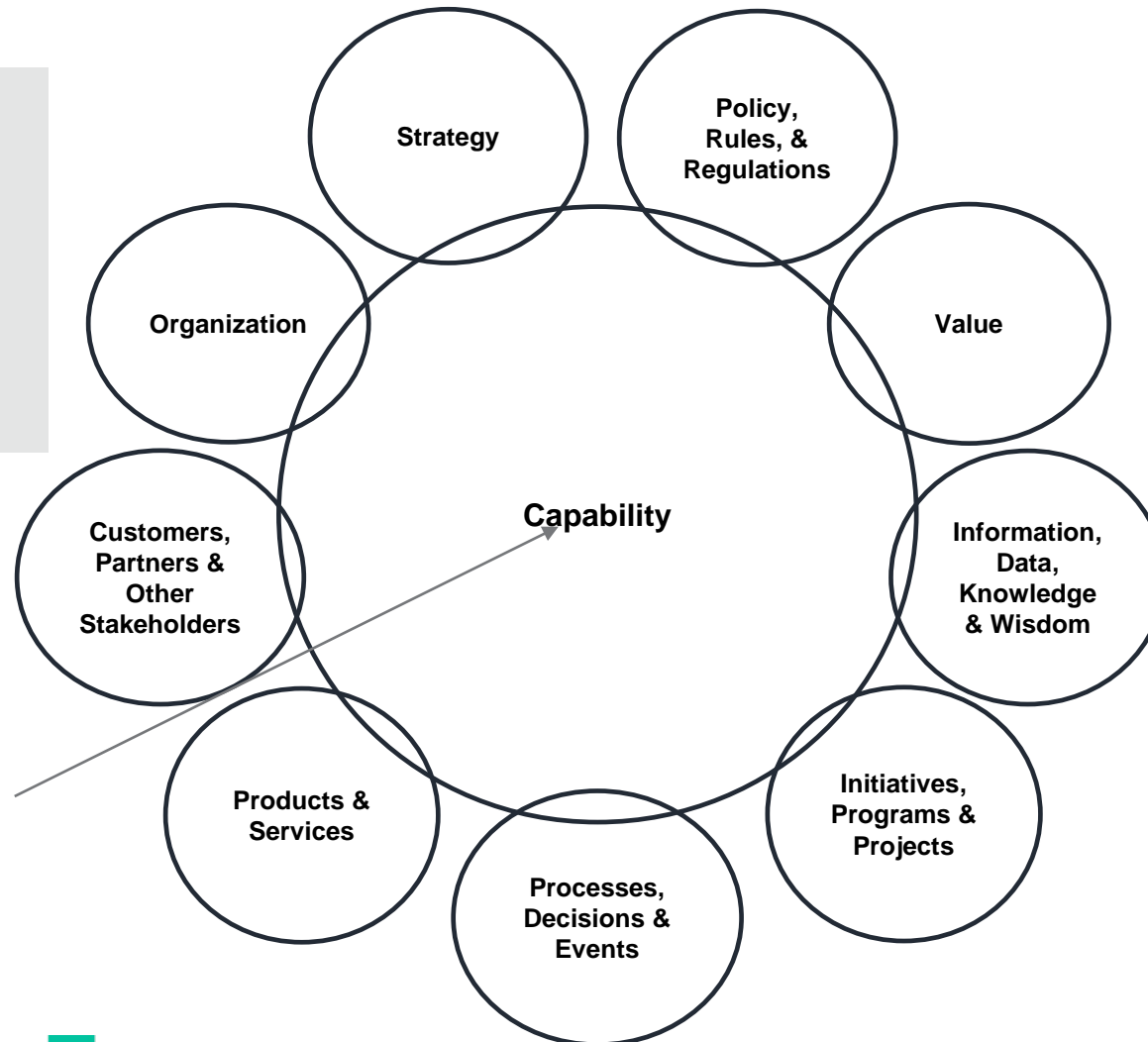
Draft Version of Value Stream Package

OMG RFP VIEW OF BUSINESS ARCHITECTURE METAMODEL RESPONSE REQUIREMENTS



- Capability required
- Other representations desired
- Must interface with existing standards

**Capability Oriented
Business Perspective**





The business architecture metamodel was derived from business architecture best practices as outlined in the BIZBOK® Guide and the organizations by leveraging common business scenarios

- Investment Analysis
- Shift to Customer Centric Business Model
- Merger & Acquisition Analysis
- New Product/Service Rollout
- Globalization
- Business Capability
- Outsourcing
- Supply Chain Streamlining
- Divestiture
- Regulatory Compliance
- Change Management
- Operational Cost Reduction
- Joint Venture Deployment

VENDOR ENGAGEMENT – DISCUSSION ENGAGEMENT



Variations for candidate metamodel have been adopted, are under review for adoption, or have been or are being user implemented across numerous tool vendors

Candidate metamodel is based on the concepts captured across practitioner communities, as embodied in the BIZBOK® Guide, which has wide adoption across government, institutions, commercial, and non-profit (US & International)

Next steps – Guild will engage with vendor community in more focused ways to submit a response to the OMG RFP



RELATED STANDARDS AND TOOL WORK



- Guild engaged with OMG for long-term to work on rollout and evolution of a standard metamodel
- Guild also a member of Open Group to influence TOGAF® and its content model
- Guild team has created a UML Profile for BIZBOK® for UML based tools
 - This could be standardized as well and aligns to the Guild metamodel

THANK YOU

We are looking for additional participants to accelerate our efforts on this landmark work plan. Please contact the Team Leader (Jeffrey Wallk) on the Guild Site (see link)
Jeff Wallk - jeffrey.wallk@enablingvalue.com
(<http://www.businessarchitectureguild.org>)

QUESTIONS....



1. When can we get a look at the Guild's business architecture metamodel?
2. Can I start using the business architecture metamodel before it's a standard ? Any risks in doing so?
3. How do you plan on aligning the business architecture metamodel with preexisting OMG metamodel standards?
4. Is there any guidance for selecting a modeling tool suited for business architecture based in part on metamodel alignment?
5. How should an architect leverage the business architecture metamodel on projects?
6. Is there any guidance for selecting a modeling tool suited for business architecture for projects?
7. How will the business architecture metamodel help us align and/or optimize our IT portfolio ?