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The Key Elements and Drivers of the Defense Acquisition System

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Monterey, California. Naval Postgraduate School

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The Key Elements and Drivers of the Defense Acquisition System

Camryn Burley, Philip S. Anton, John Boardman, Dinesh Verma

Background

Systemigrams

- Visual description of complex systems
- Condense an entire document into a single page
- Develop shared mental model and elicit insight

Systemigram Rules

- Tell a story in scenes
- Diagonal of diagram = main purpose (mainstay)
- Rules for nodes:
 - Noun phrases
 - Not repeated
 - Must have an input and output (except first and last)
- Rules for arcs:
 - Verb phrases
 - Must not cross

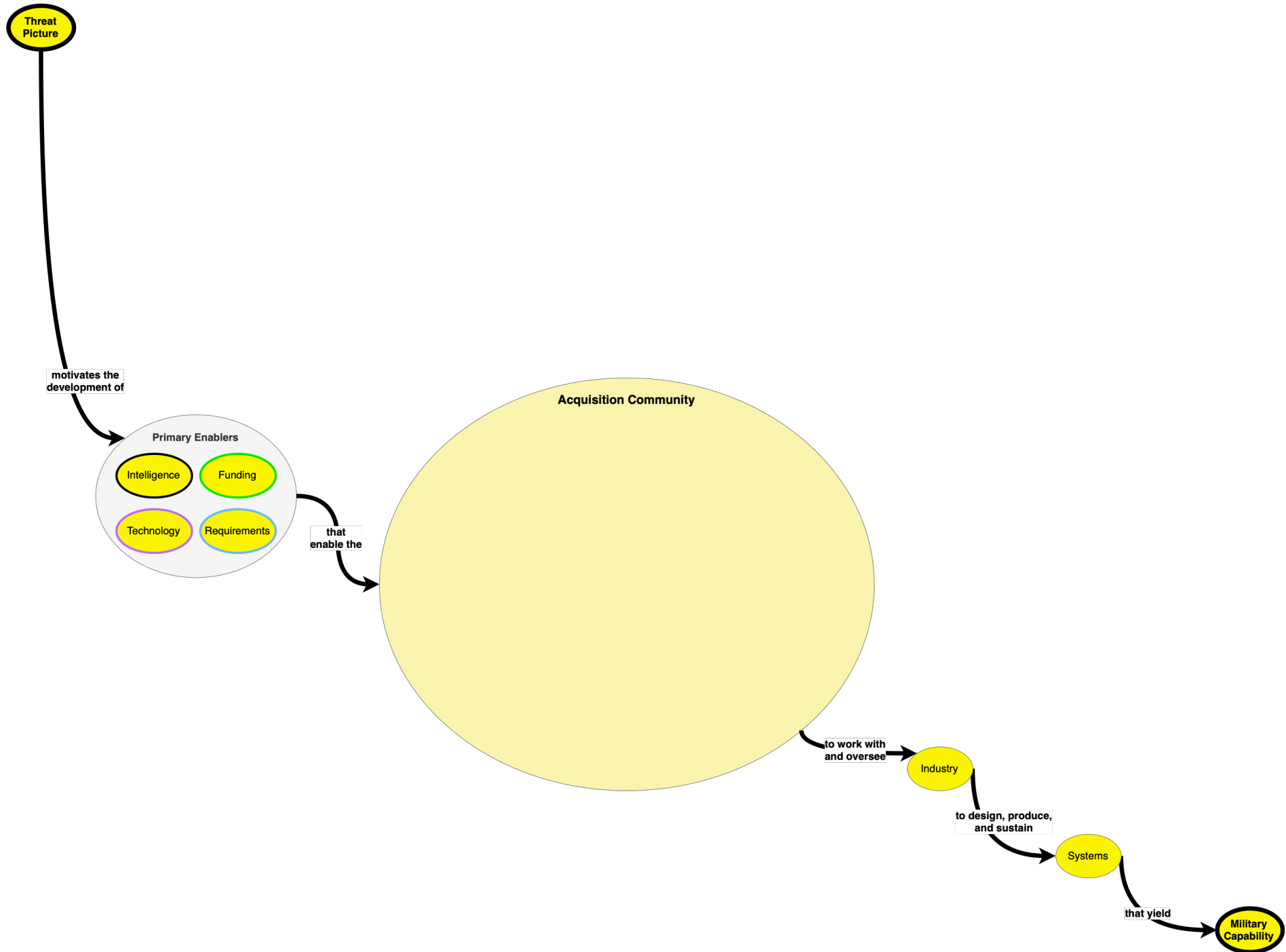
Audience

- High-level overview
- Intended for individuals new to defense acquisition
- Has applications for those familiar with the system

Process

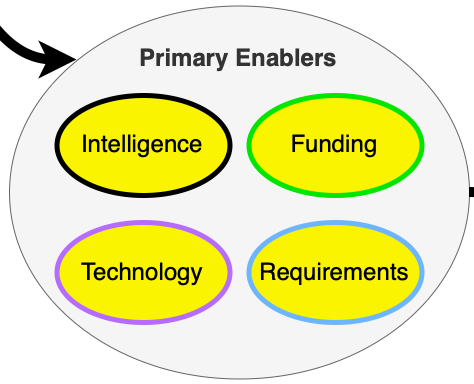
- Initial list of actors and their functions
- Iteration
- Verification and Validation

The Systemigram

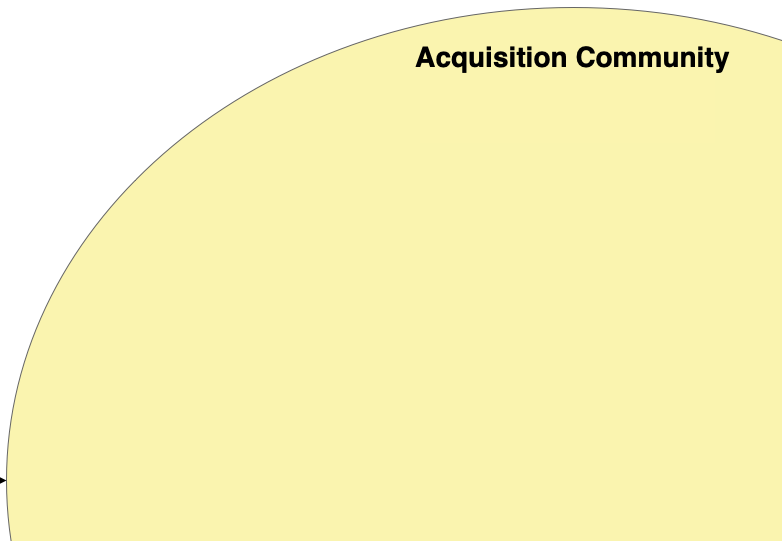


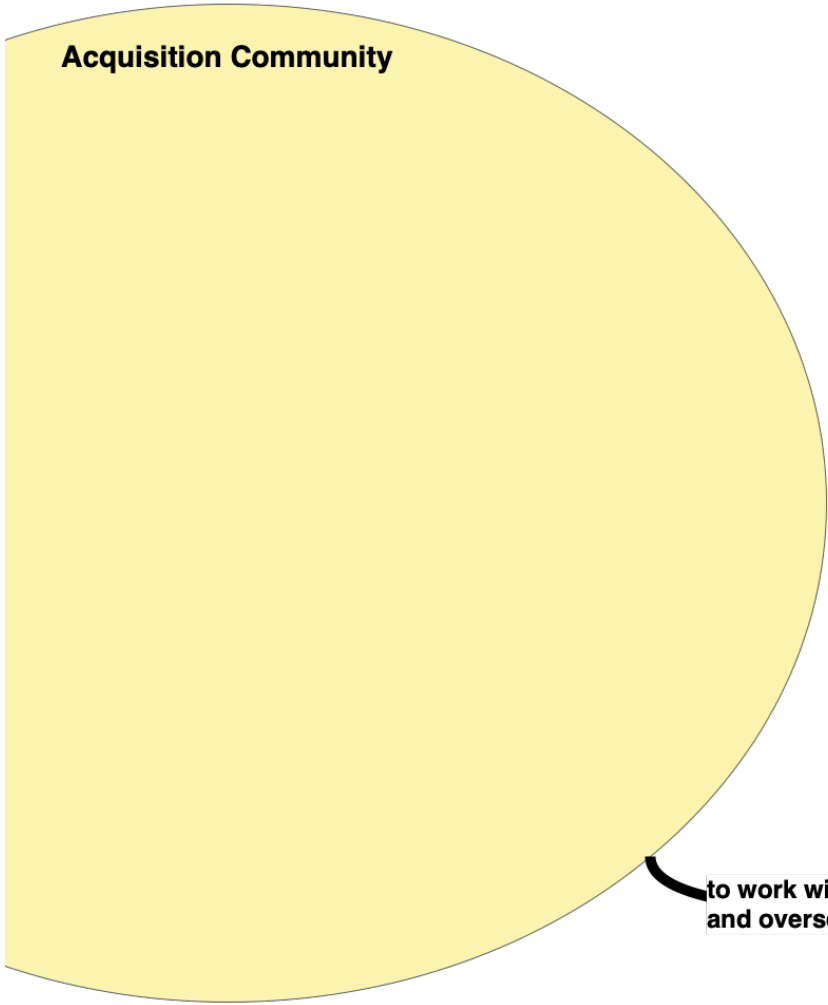
Threat Picture

motivates the development of



that enable the





Acquisition Community

to work with
and oversee

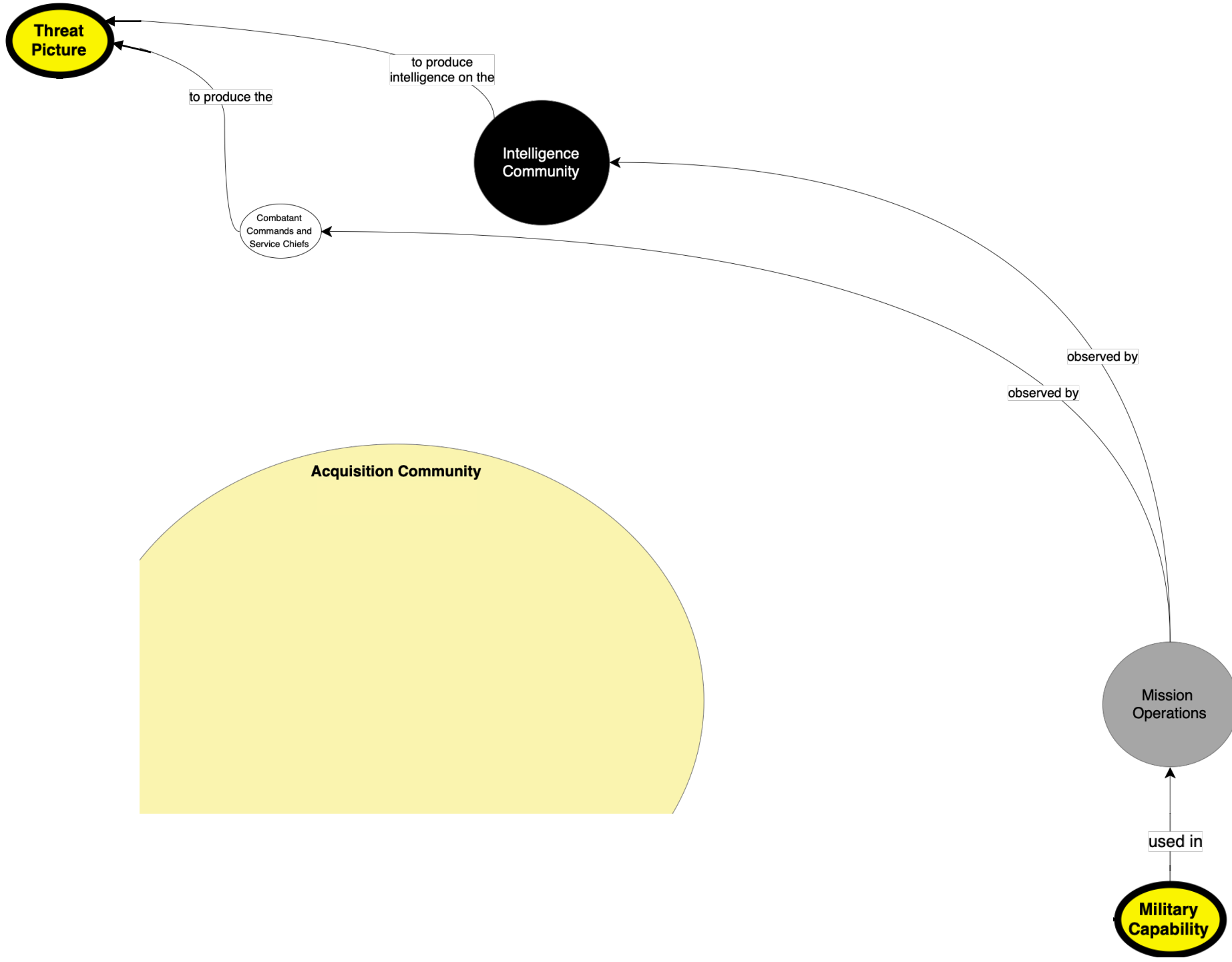


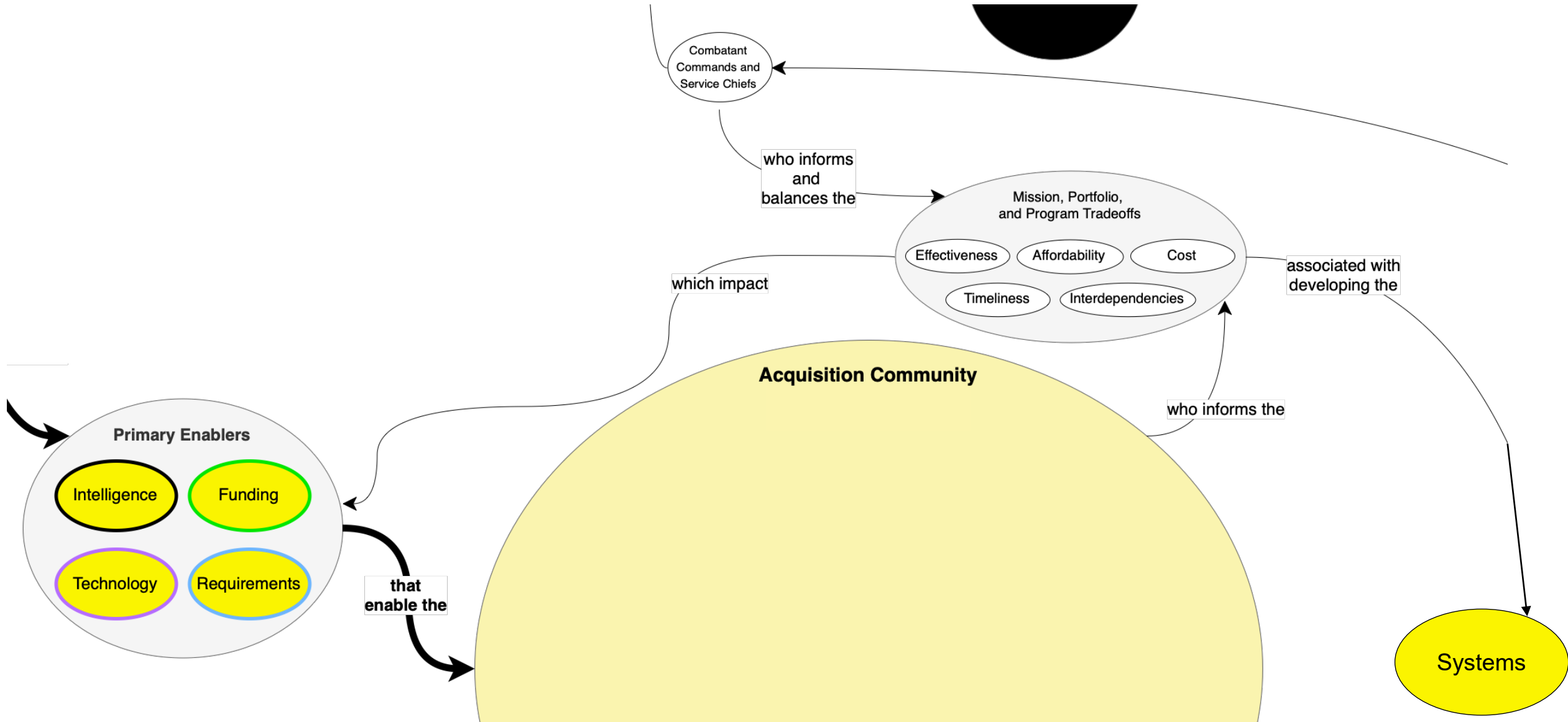
to design, produce,
and sustain

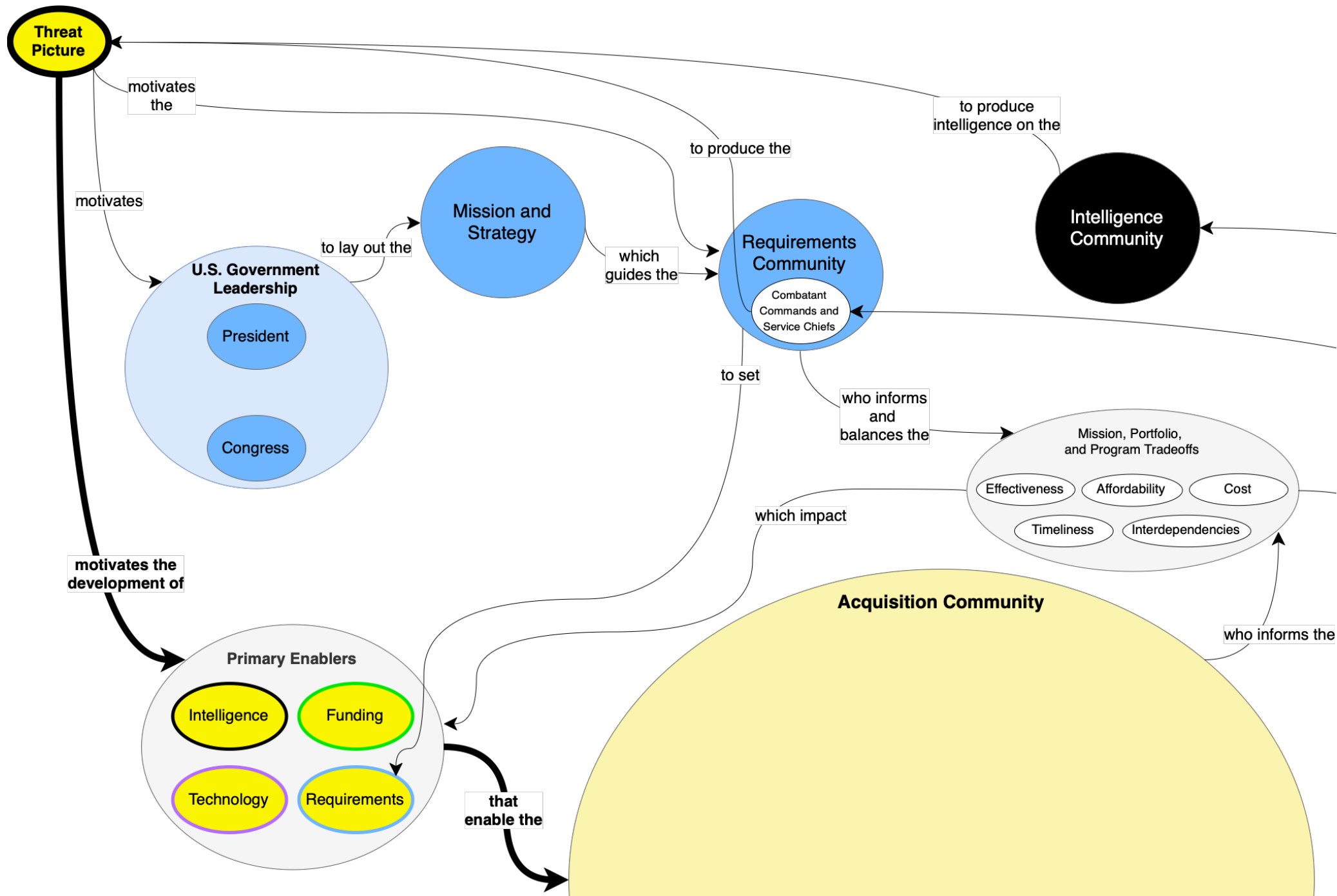


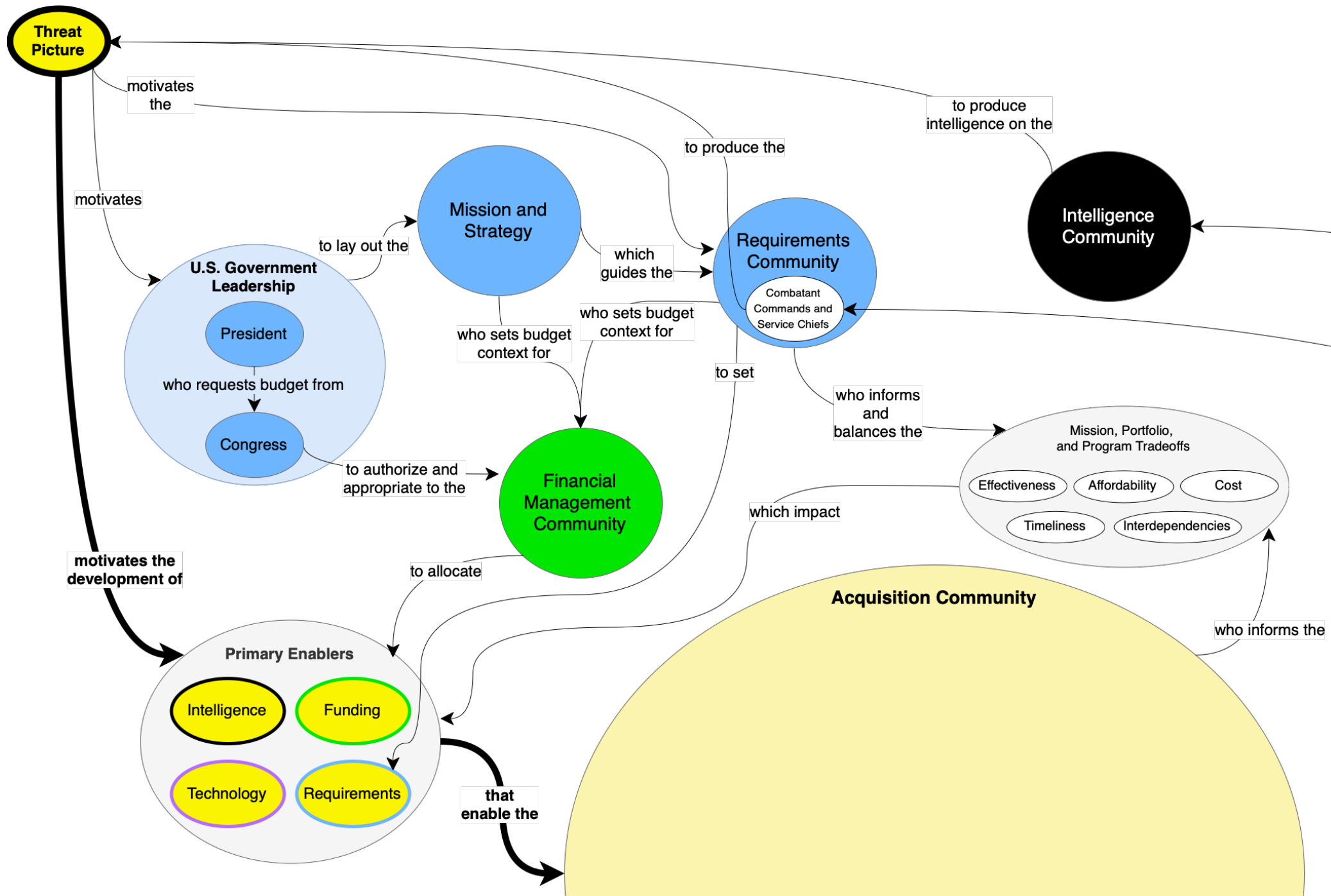
that yield

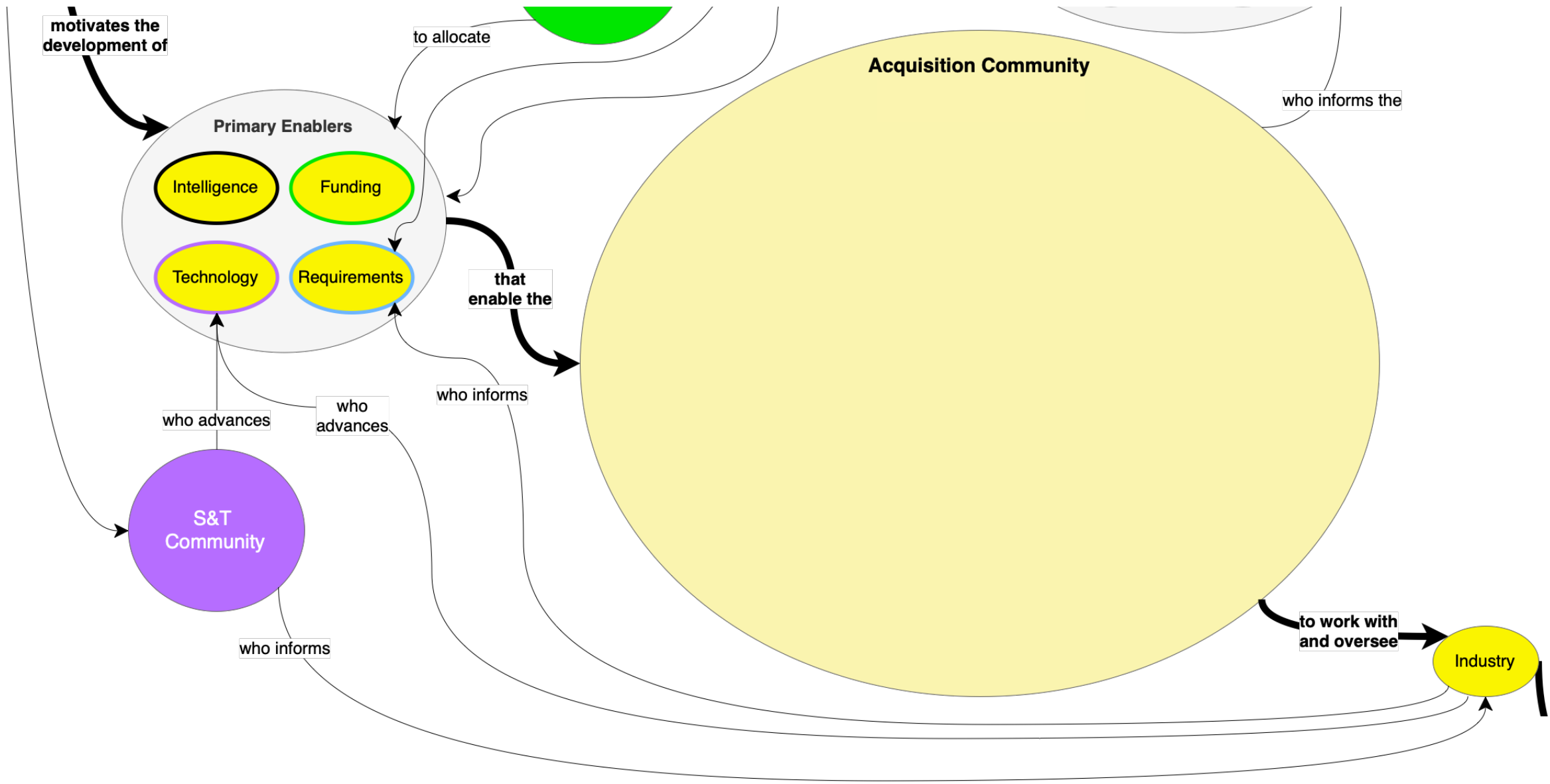


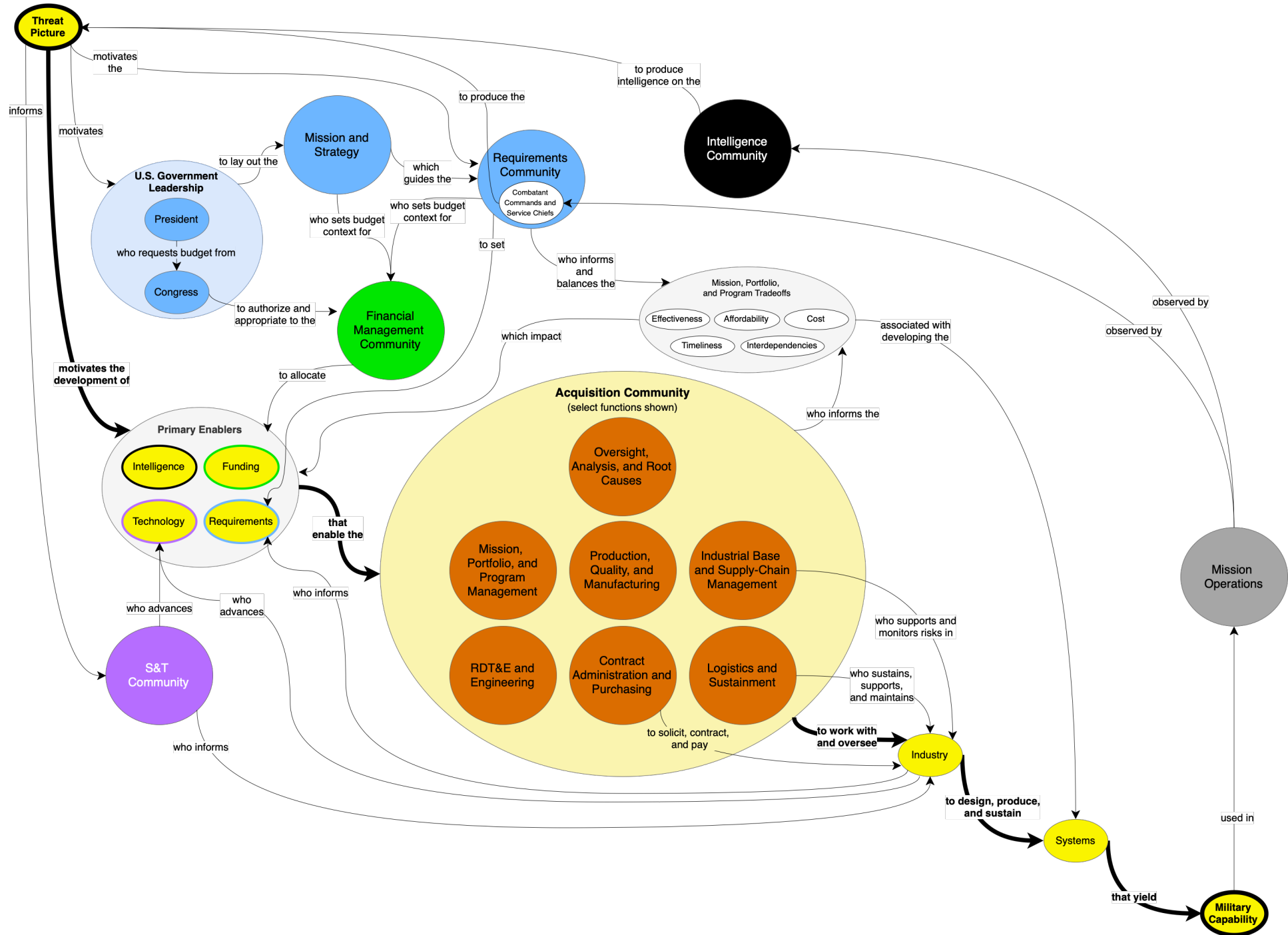












Relevance

Relevance

- Literature gap
- Use by individuals within and outside system
- Acquisition innovation
 - Shared understanding for innovation efforts
 - “As-is” depiction of the system
 - Focus on ultimate goal of military capability