Seamless Threat Awareness in Acquisition Programs

20 August 2015

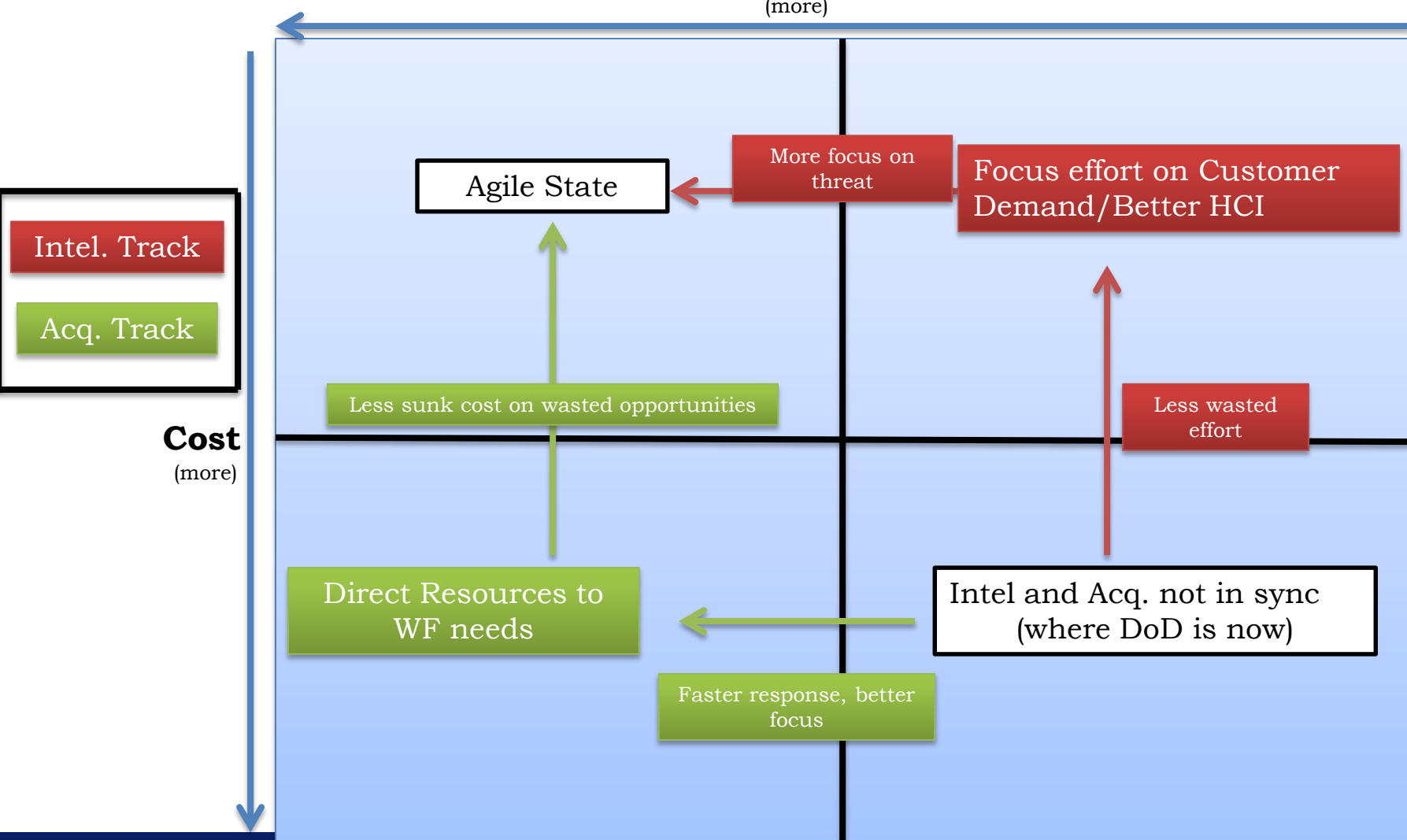*Gary R. Bliss*
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Re-thinking DoD's Acquisition / Intelligence / Requirements Interfaces?

- *New national security environment increases inter-dependencies and demands Agility:*
    - Threat environment is changing much faster than in the past
    - "Waterfall" development model – and associated focus on Cost & Schedule after KPPs established – no longer adequate
    - Resource contractions will necessarily disrupt plans and mandate efficiencies
- *What are the goals?*
    - Improved mutual Situational Awareness of needs across Acq/Intel/Req
    - Open opportunities for leveraging use of existing Intel
    - Promote Enterprise OODA in a changing threat environment
- *What are the instruments currently envisioned?*
    - Acq Intel Support Agreements (AISAs)
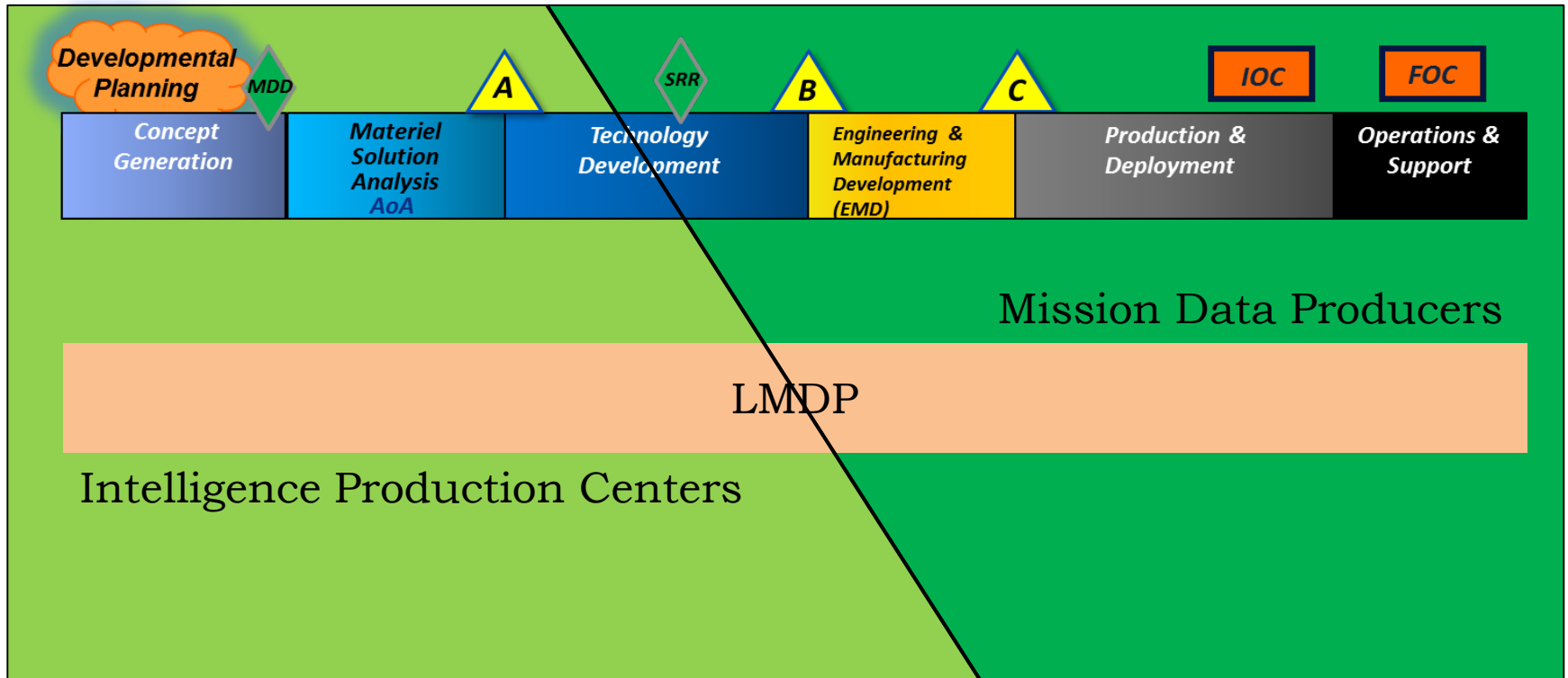   - Intel Agora
    - Acq / Intel / Req Task Force (AIR TF)

Duplex SA Paths to Better Outcomes for Both Intel. and Acq.

Agility
(more)

Cost
(more)

Intel. Track

Acq. Track

Agile State

More focus on threat

Focus effort on Customer Demand/Better HCI

Less sunk cost on wasted opportunities

Less wasted effort

Direct Resources to WF needs

Intel and Acq. not in sync (where DoD is now)

Faster response, better focus
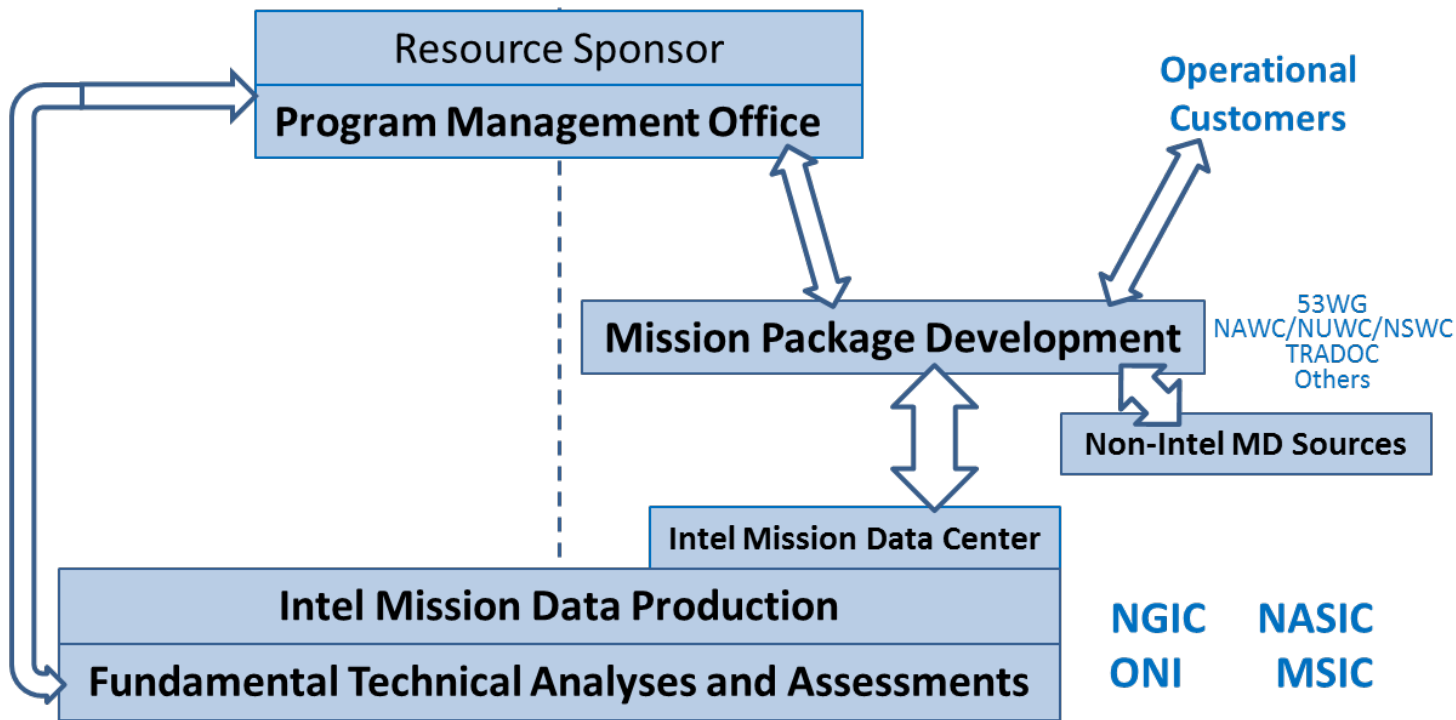
Program Lifecycle Intelligence Interactions

What is needed to sensibly manage this Life Cycle of Intel interfaces?

- Recognition by all parties that:
  - 1) objective is put to usable capability in the hands of warfighters; and
  - 2) resources are limited and not all demands can be met.
- Demanders and suppliers of data should be explicit about their expectations, and negotiate those expectations in an agreement
  - The threat is rapidly morphing so that there are never going to be permanent commitments in service agreements.
- Key efficiencies can be leveraged by architecting systems to "free ride" on existing collection mechanisms
  - First, designers/demanders must ___know___ about those activities
  - Intel "Gap" analysis should not be left to the end of the process
- Intel community ability to estimate the ***costs*** and ***schedule*** for filling intelligence "gaps" is a missing and sorely need ability
- Respect and build on existing processes with dependencies for operational costumers

Acquisition – Intelligence Interactions

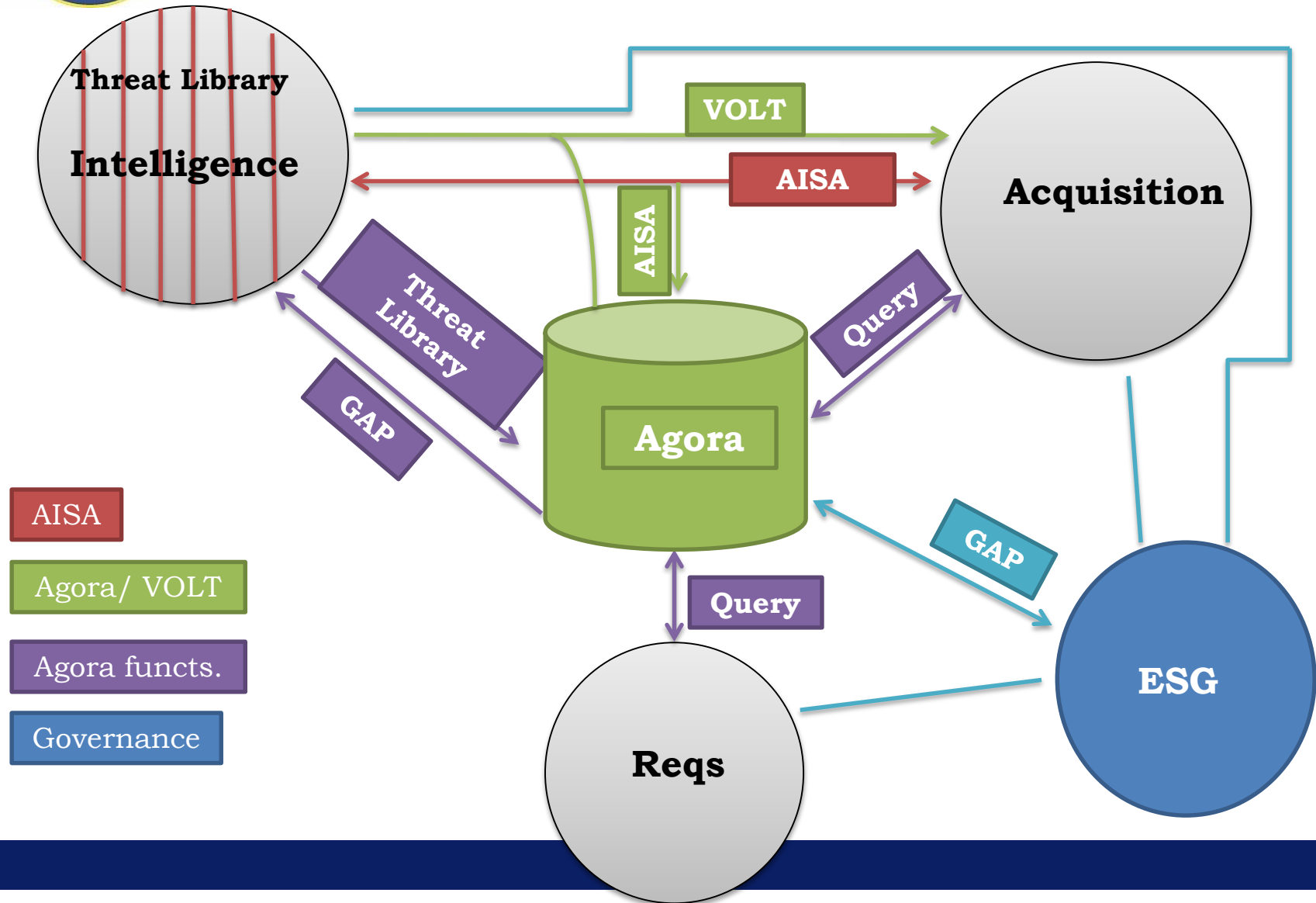Two Distinct – But Related - Business Cases

Resource Sponsor

Program Management Office

Operational Customers

Mission Package Development

53WG
NAWC/NUWC/NSWC
TRADOC
Others

Non-Intel MD Sources

Intel Mission Data Center

Intel Mission Data Production

Fundamental Technical Analyses and Assessments

NGIC   NASIC
ONI   MSIC

**Capability Conceptualization & Design
(includes CIP definition & monitoring)**
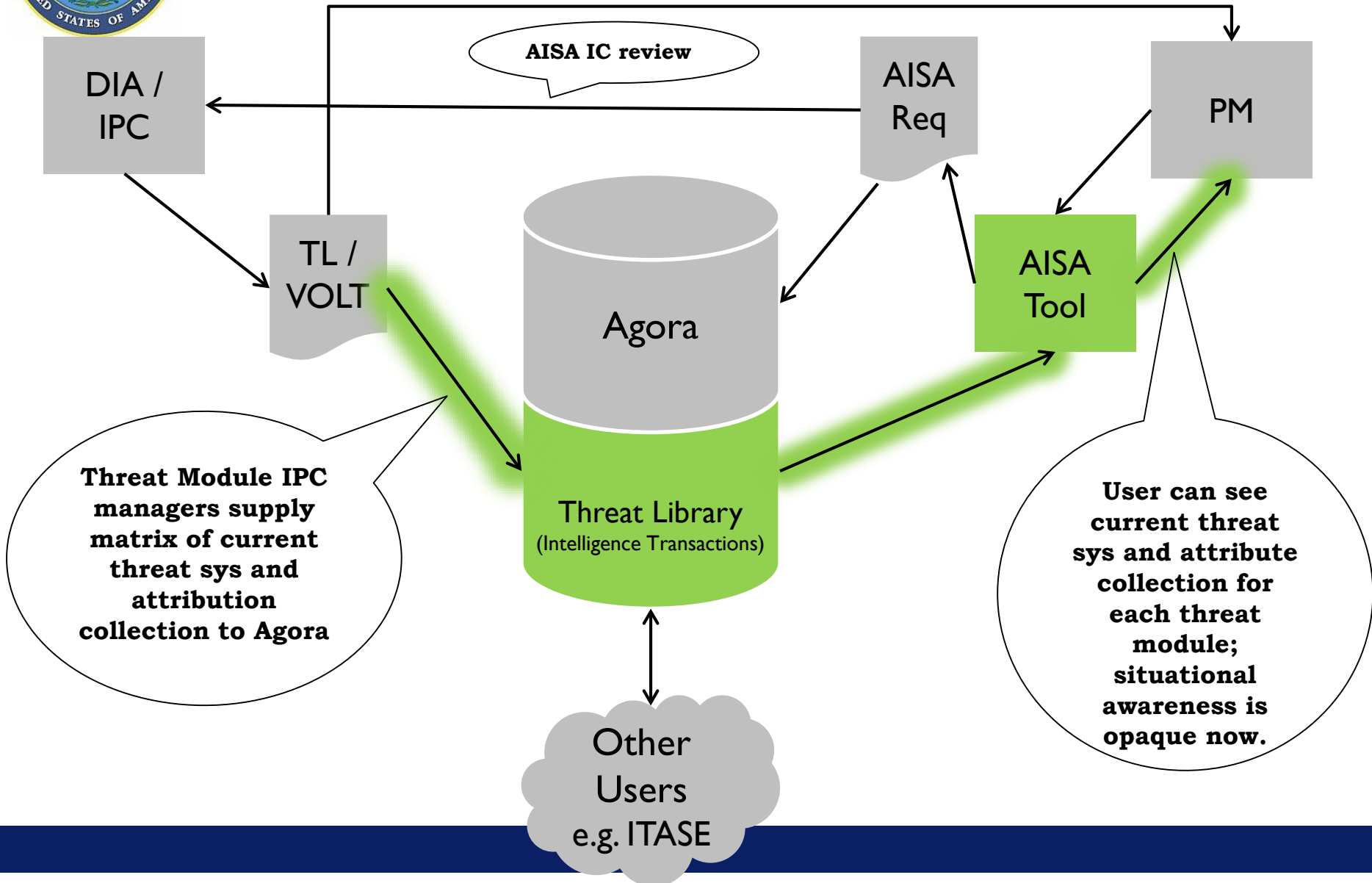
Platform Population with Mission Data

Improving Intel. SA

Agora Improves Transparency

We are at the starting blocks of a long race

▸ Concepts, processes , and governance institutions still being defined

– This must be a cradle-to-grave, comprehensive, solution

– Governance/Decision-Making must preserve current institutions' equities

▸ First step is AIR Task Force office standup 1 Oct 2015

– AIR TF is *not* an adjudicating or decision-making office

– Resources – personnel, space, and funds – already offered by USD/I, J-8, and ASD/A

▸ There will certainly be more innovations to come

– We are playing with a losing hand; we must do better