

United States Air Force

Integrity - Service - Excellence

Acquisition Domain Data Governance



**AV SOA Conference
22 Oct 09**

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Why Do We Care?

- **We get dazzled by tools ... and there's always a new one**
- **We create and fund programs to spiral out systems with ever increasing functionality ... often impressive**
- **All of that is useful ... and can be powerful**

- **But only if it ultimately provides reliable information to decision makers**

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It's about the data, stupid



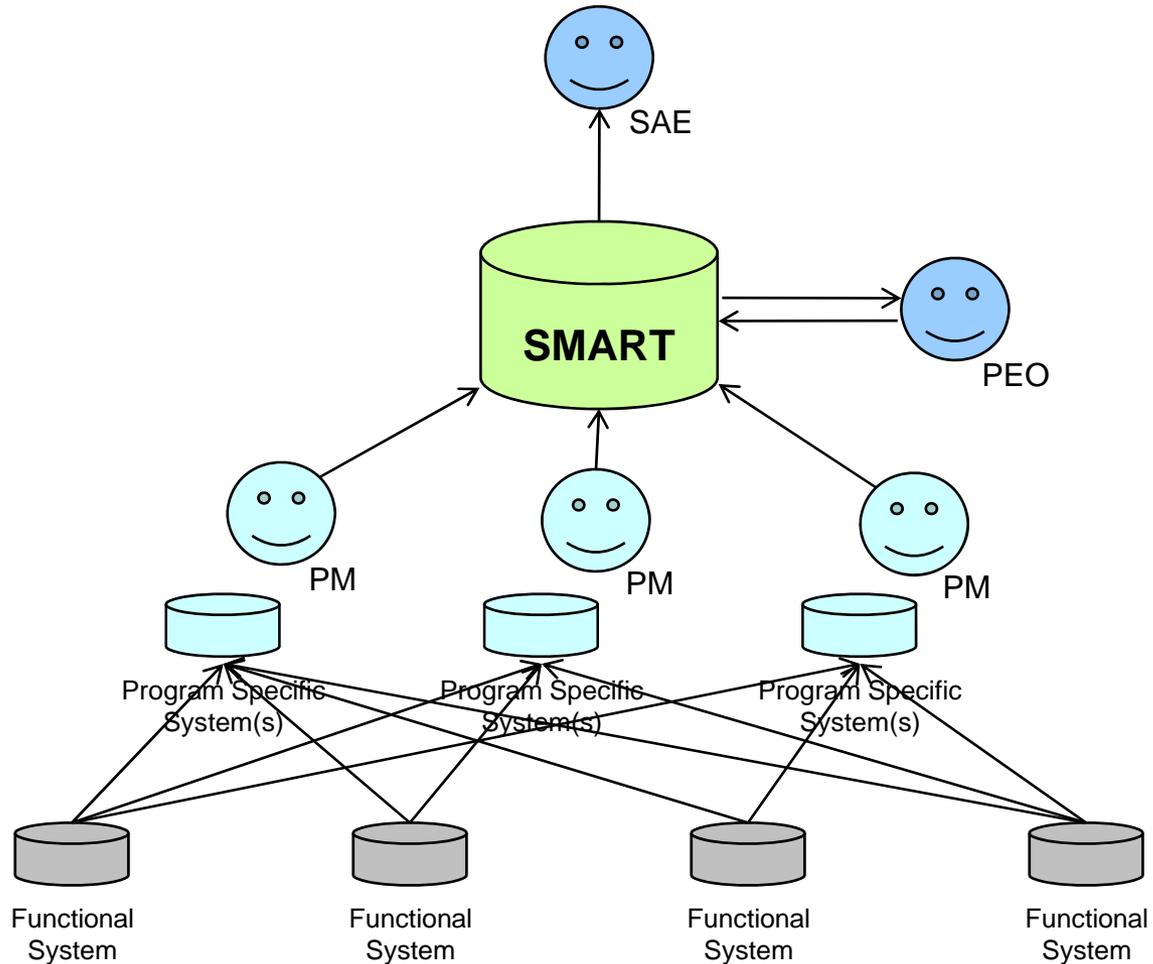
Why Data Governance?

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- **Allow authoritative, relevant, accurate, and consistent information to be provided to decision makers at all levels**
- **Establish trust in the information by enabling a clear understanding of what can be expected from the information**
 - **Data update frequency**
 - **Data age**
 - **Data definition**
 - **Role access**
 - **How it can be appropriately used**
 - **Business rules**

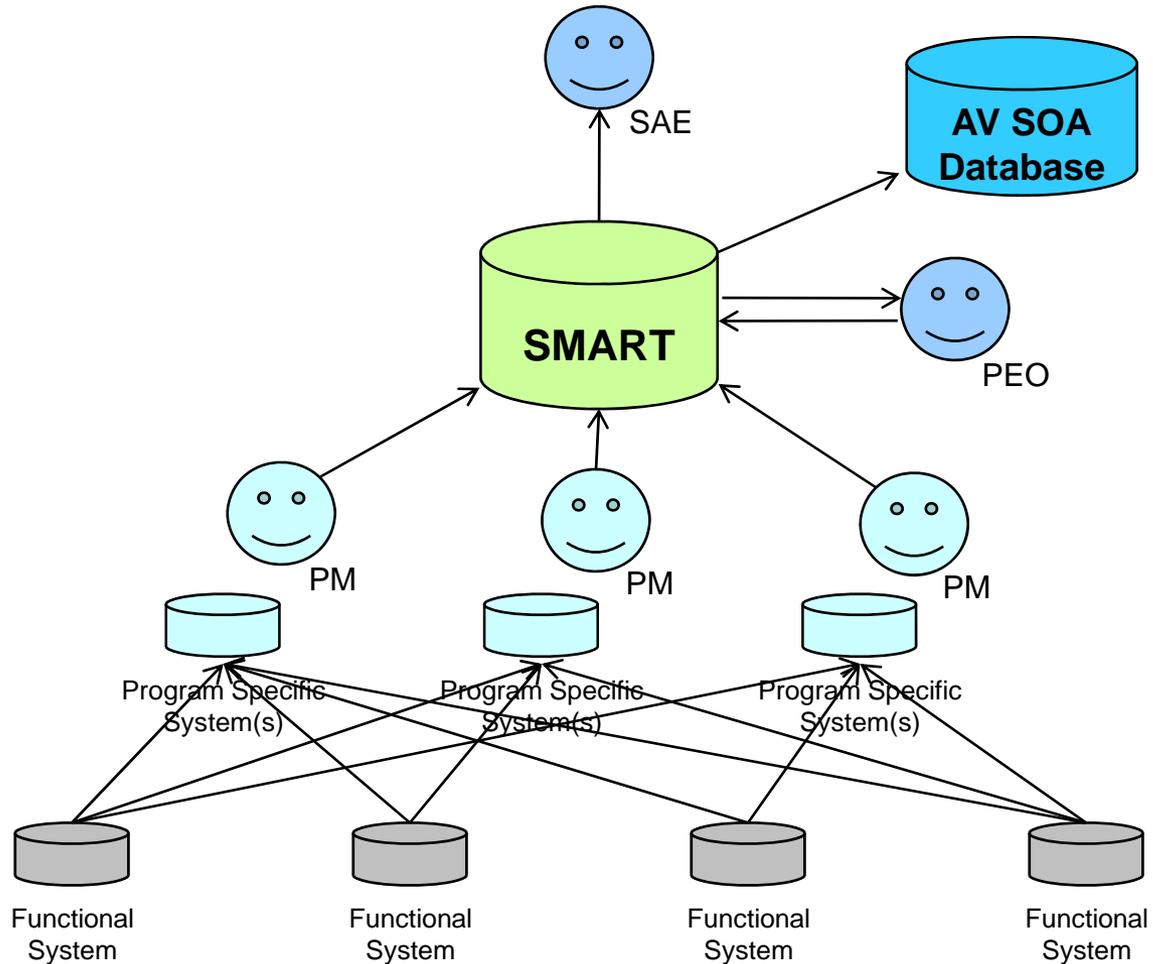


Our Data View



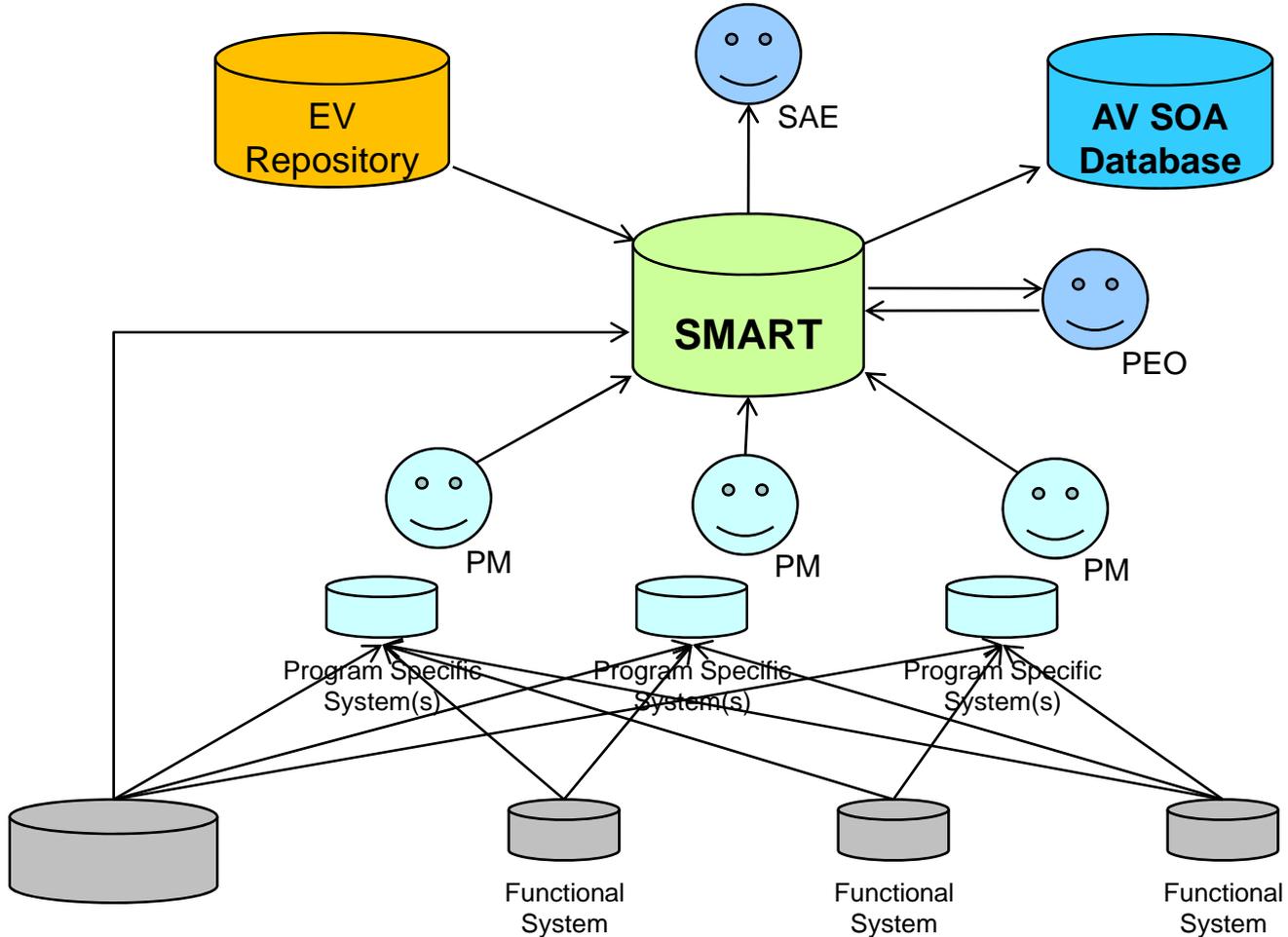


Our Data View



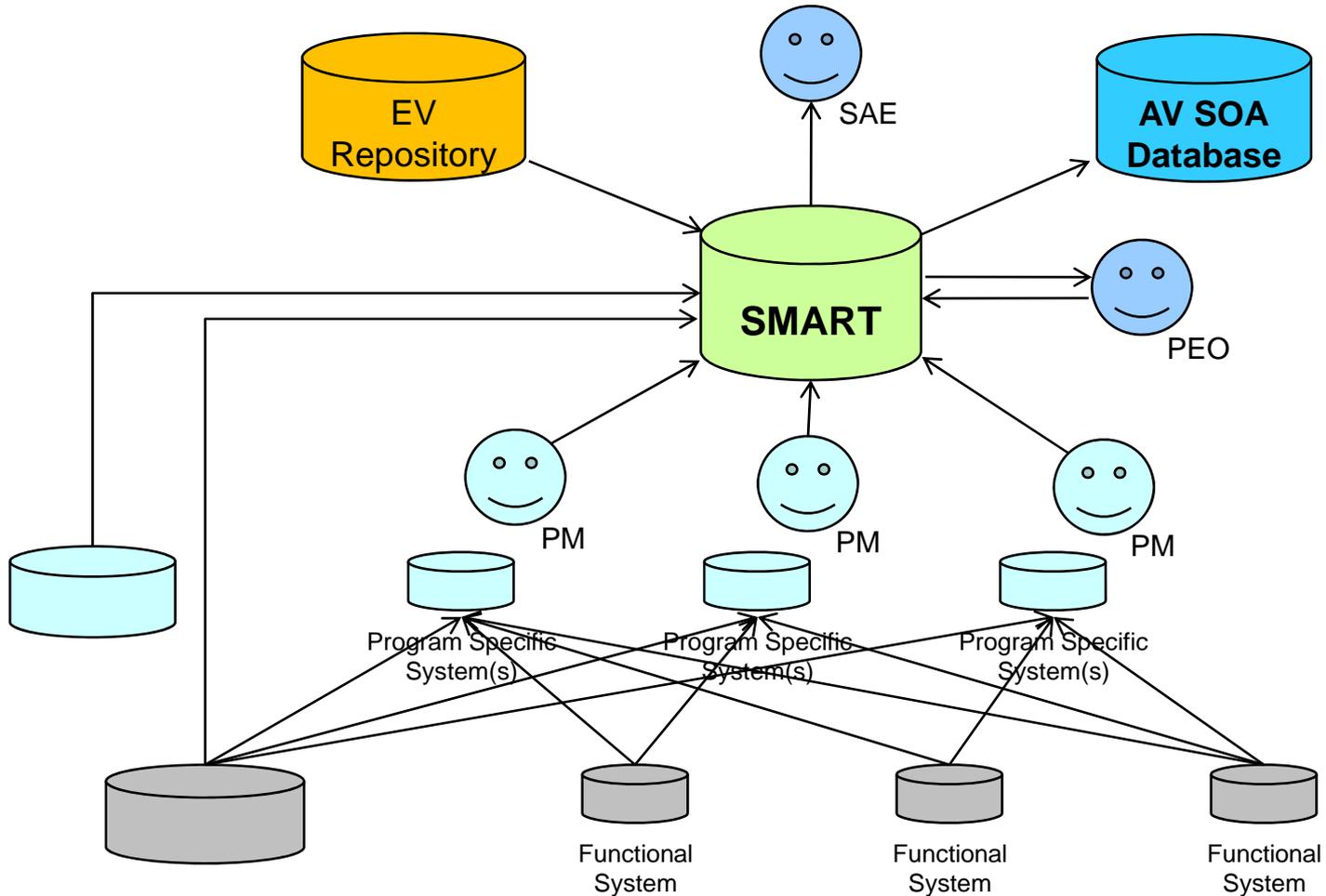


Our Data View





Our Data View





Air Force Take on Governance

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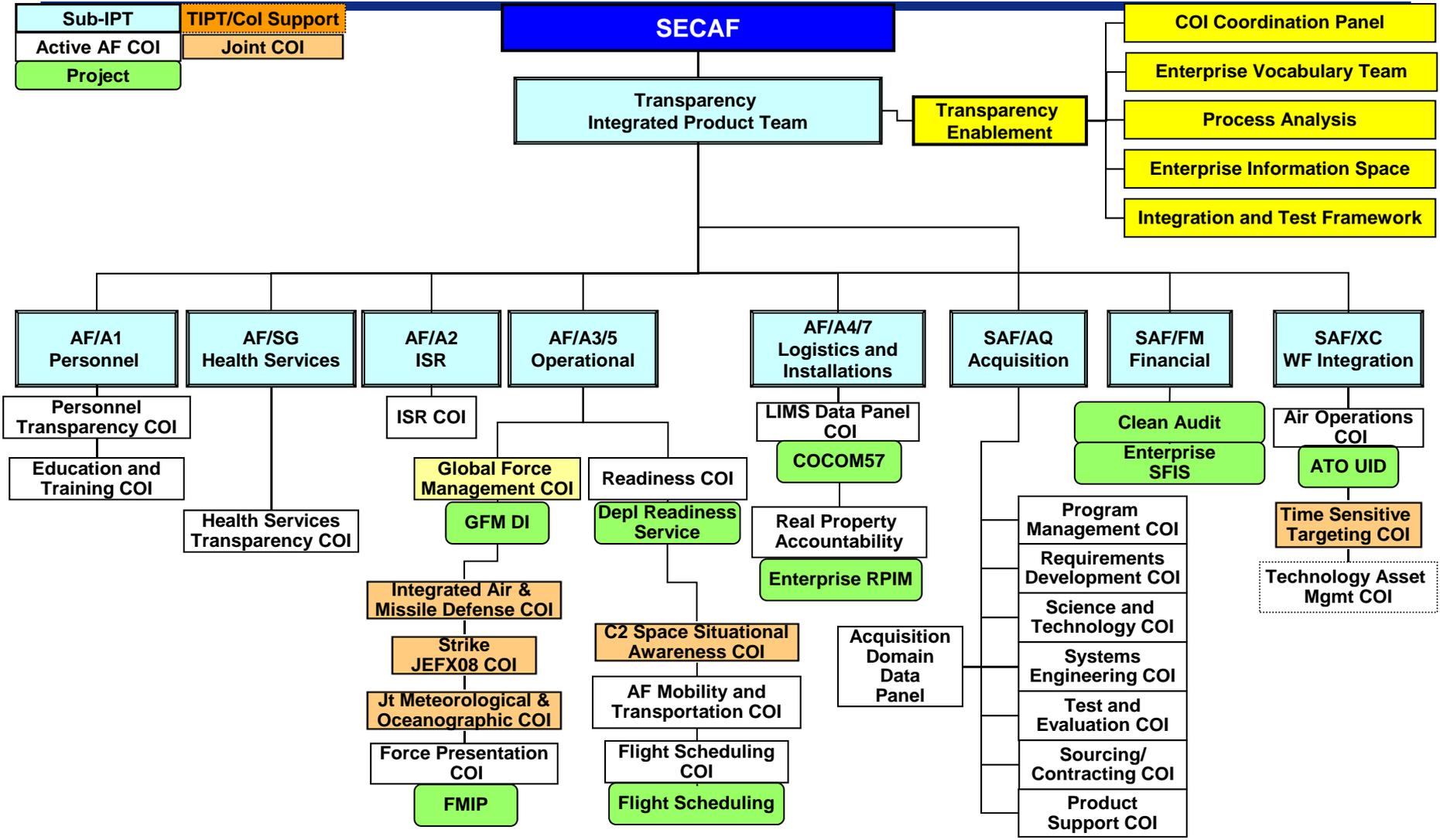
- **Information & Data Management Strategy (IDMS)**
 - Issued from SecAF and CSAF
 - Focus on domain ownership of data
 - Directed creation of “Data Panels”

- **Led to the creation of the Transparency IPT**
 - Chaired personally by SecAF
 - Focus on a standard information structure (SIS)
 - Effort coordinated by an Enterprise Vocabulary Team (EVT)
 - Strong push to service oriented architecture (SOA)



TIPT Governance Structure

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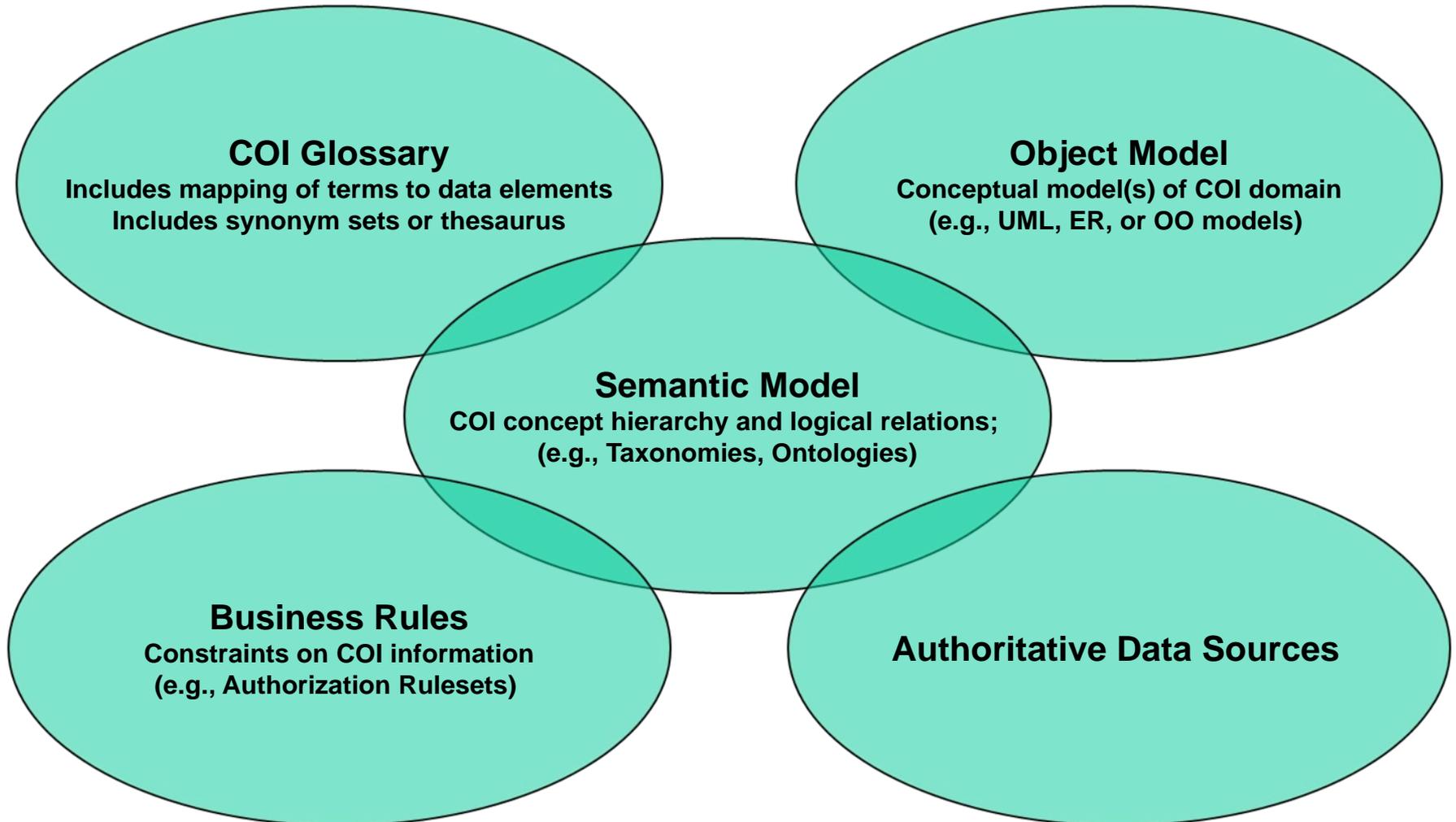
- Accelerate AF efforts in delivering authoritative information to decision makers at all levels
 - Improve AF Information availability and quality
 - Realize warfighter cross-service information requirements
 - Implement the DoD-wide information priorities

Transparency: an attribute that ensures that the process of transforming data into information used for decision making is traceable, auditable, and demonstrably proven ... making it authoritative (trustable)



Standard Information Structure

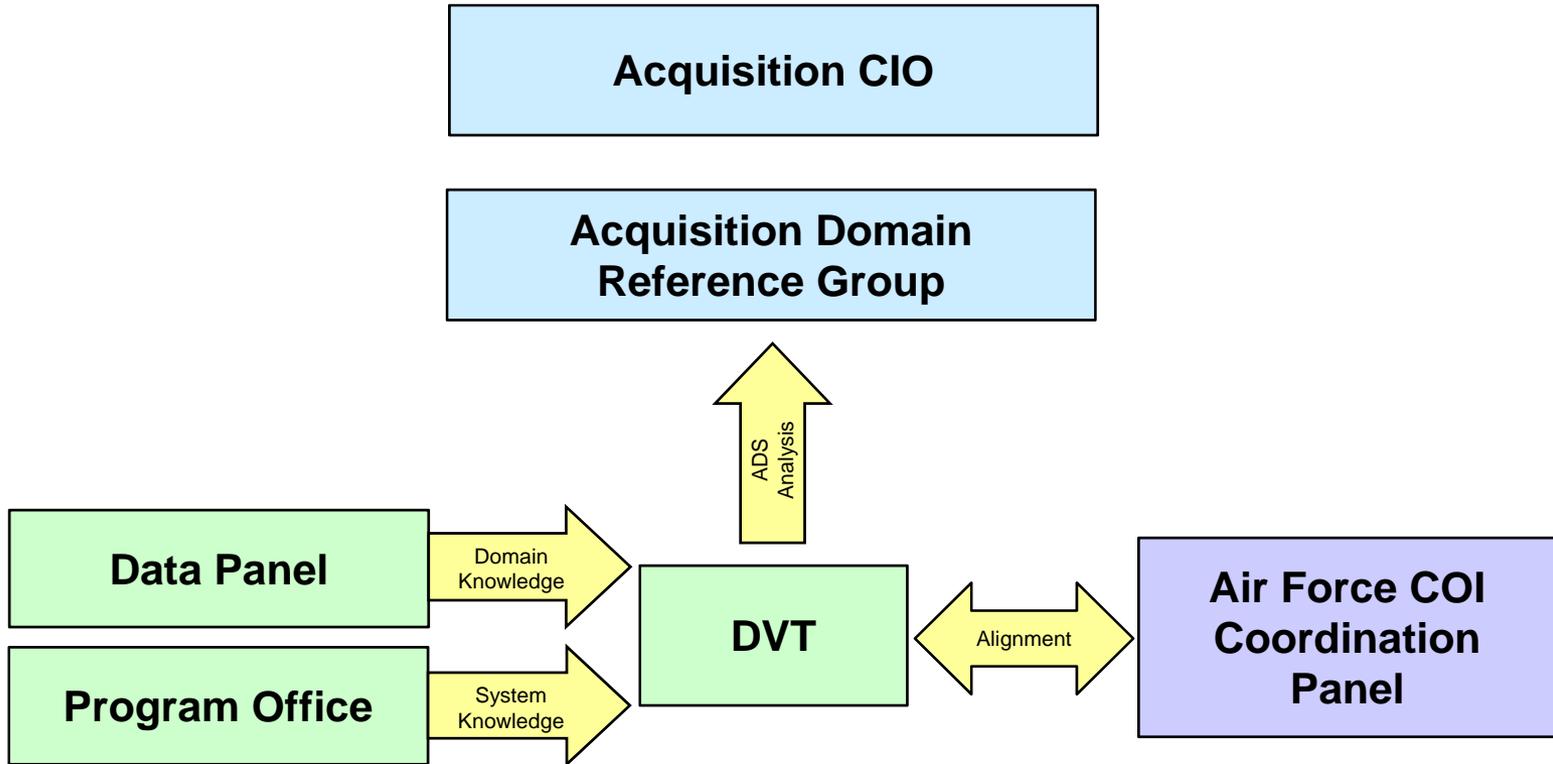
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Governance Structure



- TIPT – Transparency IPT
- T2 – Tools & Training Council
- ADWG – Acquisition Domain Working Group
- DRT – Domain Requirements Team
- DVT – Domain Vocabulary Team
- COI – Community of Interest



Authoritative Data Sources

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A recognized or official data production source with a designated mission statement or source/product to publish reliable and accurate data for subsequent use by customers.

An authoritative data source may be the functional combination of multiple, separate data sources.

Source: DoD Directive Number 8320.03, March 23, 2007

Complexity:

- **Information assets consist of overlapping atomic units make defining a single ADS complex**
- **Trade-offs between timeliness and computational efficiency make defining a single ADS complex**



Governance Concerns

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- **ADS governance**
 - Where can authoritative information be found?
 - Can other sources be used?
- **Service Level Agreement construct**
 - How often can a consumer expect information to be updated?
 - What will the consumer need to do to use it?
- **Data cleanliness construct**
 - What level of cleanliness can be expected by a consumer?
- **Data access construct**
 - What roles have access to what information?