How can you tell when your objective architecture is accurate?

Is the enterprise really using the architecture and is it effective?
What Is DI2E?

DoD Enterprise Architecture (EA)

DI2E IS the Intelligence Mission Area Enterprise Architecture
### DI2E Services View 4

#### Mission Layer
- 3.5 BA Data Dissemination and Relay
  - 3.5.1 Dissemination Management
    - 3.5.1.1 Dissemination Authorization
    - 3.5.1.2 Package Product
    - 3.5.1.3 Threat Line Reporting
    - 3.5.1.4 Foreign Disclosure Management

#### Common Layer
- 2.6.4 Data Quality
  - 2.6.4.1 Data Quality Definition
  - 2.6.4.2 Data Quality Extraction
  - 2.6.4.3 Data Quality Measurement

#### Infrastructure Layer
- 1.4.2 Orchestration Execution
  - 1.4.2.1 Execution Engine
  - 1.4.2.2 Protocol Mediation

### The SvcV-4 is a core DI2E architecture artifact
DI2E Enterprise Metrics

**Plan**
Plan the upcoming cycle

**Collect**
Conduct Annual Data Call (ADC)

**Assess**
Provide criteria for Enterprise Assessments (EA)

**Analyze**
Analyze ADC and assessment results

**Report**
Produce State of the Enterprise (SoE) Report
Annual Cycle with 3-Year Dependencies

- **Annual Data Call (ADC)**
  - gathers IT services and data information from Programs of Record
  - defines candidates for Enterprise Assessment (EA)
  - supports State of the Enterprise (SoE) Report

- **Enterprise Assessment (EA)**
  - assesses exposed candidates
  - supports SoE Report

- **SoE Report**
  - reviews specification maturity
  - contains IT services and data statistics
  - provides assessment results analysis
Q: How can you tell when your objective architecture is accurate?

A: Measure SvcV-4 “Hits” and “Misses”
A “Hit” occurs when a Program of Record reports using a Tier 4 service in its ADC response.

A “Miss” occurs when a Program of Record reports a service in its ADC response that
- does not map to SvcV-4 (e.g., “None”, missing)
- maps to Tiers 1 through 3 of SvcV-4

**Service Tiers**

- **EXAMPLES**
  - Tier 1: 2 Common Services
  - Tier 2: 2.1 Collaboration
  - Tier 3: 2.1.1 Information Boards
  - Tier 4: 2.1.1.1 Bulletin Board

**Goal:** 100% of Tier 4 services on SvcV-4 are identified by at least one PoR in ADC.

**Measure:**

\[
\text{Hits} = \frac{\text{count of unique Tier 4 services with At Least One PoR}}{\text{count of Tier 4 services on SvcV-4}}
\]

**Goal:** 0% of services reported on ADC that are not Tier 4 services on SvcV-4.

**Measure:**

\[
\text{Misses} = \frac{\text{count of non-Tier 4 services reported on ADC}}{\text{count of all services reported on ADC}}
\]

**NOTE**

The following services are set aside for Misses calculations:
- 0.1 Program of Record unique (ADC allows)
Q: Is the enterprise really using the architecture and is it effective?

A: Measure technical guidance development, adoption, and conformance vis-a-vis SvcV-4 services
**Measure vis-a-vis SvcV-4**

### 3.5 BA Data Dissemination and Relay

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**Legend:**

- Guidance available
- Guidance approved
- D12E Clearinghouse component available
- " " conformant component available
- Guidance implemented by at least one pgm
- " " by all applicable programs

**Summary status**

- **Specifications/Profiles**
  - Available
  - Approved

- **Components**
  - Available
  - Passed conformance test

- **Implementation**
  - One program
  - All programs
Ideas for The Future

- Common Profile Framework
- Information Interoperability Framework

- Decomposed Operational Mission Threads

- Supplement ADC with Net Ready Key Performance Parameters (NR KPP) and DoD Architecture Framework artifacts
  - Sync up Net-Ready Key Performance Parameter and Common Profiles
Questions?

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