DATA Act Information Model Schema (DAIMS)
DATA Act Challenge

Agency Expenditures

Procurements and Contracts

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Grants to Local Governments

Loans and Other Assistance
Information Flow

Additional Future Reporting Workflow
Quarterly Reporting – DATA Act

Existing Reporting Workflow
Daily/Bi-weekly Reporting - FFATA

Agencies

Financial System(s)

Awards System(s)

Award Linkage

DATA Act Broker

Agency Uploaded Data

Broker Extracted Data

(A) Appropriations Account

(B) Object Class and Program Activity

(C) Award Financial

(D1) Award and Awardee Attributes

(D2) Award and Awardee Attributes

(E) Additional Awardee Attributes

(F) Sub-award Attributes

Defined in the Reporting Submission Specification (RSS)

Defined in the Interface Definition Document (IDD)

Validations

Field level for A, B, and C; Cross validation for A to F

Agency Certify Data

Public Website

Public Website – DATA Act Quarterly Reporting

Public Website – Daily/Twice Monthly Data Reporting

FPDS

Award Submission Portal (ASP) Data

FSRS

SAM (Highly Compensated Officer Data)

Note: For May 2017 implementation, D1 will be extracted from the USAspending site which pulls data from FFPS daily. D1 will be pulled from FPDS directly in the long term.
The DATA Act Schema provides a standardized definition and conceptual model for the information relevant to the domain and public reporting of U.S. Federal spending.

The Schema informs:
- How data providers select and organize information to submit
- What information is stored and how it is related
- How consumers can access and interpret information
**DATA Act Schema Components**

- **Information Flow** – provides an overview of the reporting timeframes and sources of the data.

- **Reporting Submission Specification (RSS)** – includes a listing of the data elements with specific instructions for federal agencies to submit content in the appropriate format.

- **Interface Definition Document (IDD)** – contains a listing of the elements, with supporting metadata to understand what data will be pulled from government-wide systems and from agency financial assistance systems.

- **DAIMS Diagrams** – visual representations of how the data elements from the RSS and IDD fit together in context.

- **Online Data Dictionary** – a comprehensive list of data elements with definitions and minimal metadata, like definition and data category.

- **XBRL Schema Files** – machine-readable version of the data standard that includes accounting-related and award-related content.
File A through F are aligned to the DATA Act objectives

- **File A** contains appropriation summary level data that are aligned to the SF133 reporting
- **File B** includes obligation and outlay information at the program activity and object class level
- **File C** reports the obligations at the award and object class level
- **File D1 and D2** report the award and awardee details that are linked to File C
- **File E** includes the additional prime awardee attribute.
- **File F** includes sub-award information
DATA Act Element Relationships

**Account Data**
(All Federal Spending)

(A) Appropriations Account

- **Level:** Treasury Account Symbol, excluding sub-account (TAS)
- **Reporting cadence:** Quarterly
- **Source:** Agency financial management systems

**Example elements:**
- Budget authority appropriated (amount)
- Unobligated balance (amount)
- Amount of other budgetary resources

(TAS)

(B) Object Class and Program Activity

- **Level:** TAS & program activity & object class
- **Reporting cadence:** Quarterly
- **Source:** Agency financial management systems

**Example elements:**
- Obligated amount (by program activity & object class)
- Outlay (gross)

(TAS & Object Class)

**Award Data**
(procurement and financial assistance)

(C) Award Financial

- **Level:** TAS & object class & award ID
- **Reporting cadence:** Quarterly
- **Source:** Agency financial management systems

**Example elements:**
- Award linkage
- Transaction obligated amount
- TAS
- Object class
- (Program activity code - optional)

(D1) Award and Awardee Attributes (Procurement)
(DATA Act Broker Extract: Quarterly)

- **Level:** Linked at award document level (includes award modifications)
- **Reporting cadence:** Quarterly extraction from FPDS by data broker; Daily submission to FPDS (in existing format)
- **Source:** FPDS/agency procurement management systems

**Example elements:**
- Awardee/Recipient Unique Identifier, award characteristics information, awarding entity information, award amount information, awardee legal entity name and address

(D2) Award and Awardee Attributes (Financial Assistance)
(DATA Act Broker Extract: Quarterly)

- **Level:** Linked at award document level (includes award modifications)
- **Reporting cadence:** Quarterly extraction from ASP by data broker; Bi-weekly submission to ASP (in new format)
- **Source:** ASP/agency financial assistance management systems

**Example elements:**
- Awardee/Recipient Unique Identifier, award characteristics information, awarding entity information, award amount information, awardee legal entity name and address

(E) Additional Awardee Attributes
(DATA Act Broker Extract: Quarterly)

- **Level:** Awardee/Recipient Unique Identifier
- **Reporting cadence:** Quarterly extraction from SAM by data broker
- **Source:** SAM (Highly Compensated Officer Data)

**Example elements:** Awardee/Recipient top 5 highly compensated officers

(F) Sub-award Attributes
(DATA Act Broker Extract: Quarterly)

- **Level:** Award ID & sub-award number
- **Reporting cadence:** Quarterly extraction from FSRS by data broker
- **Source:** FSRS

**Example elements:** Sub-award number and amount
DATA Act: provides a foundation for organizing federal financial data in new ways

• Link to Management Data:
  o Performance
  o Information Technology
  o Human Resources

• Link to Outcome Data:
  o State and local
  o Economic
  o Support evidence-based analysis