

I-SDS2: Florida PALM Pre-DDI Data Management Plan (DMP)

Table of Contents

1. Executive Summary	5
2. Objective	6
3. Strategy	6
4. Challenges and Risks.....	7
5. Florida PALM Architecture Principles	8
6. The 11 Knowledge Areas of Data Management	9
6.1. Data Governance.....	9
6.2. Data Architecture	11
6.3. Data Modeling and Design.....	12
6.4. Data Storage and Operations	12
6.5. Data Security	13
6.6. Data Integration and Interoperability	13
6.7. Documents and Content	14
6.8. Reference and Master Data.....	15
6.9. Data Warehousing and Business Intelligence	15
6.10. Metadata	16
6.11. Data Quality.....	17
7. Data Conversion and Migration Strategy	17
7.1. Data Conversion Guidelines	18
7.2. Research and Collaboration	20
7.3. Data Organization and Taxonomy	22
7.4. Data Conversion and Migration Approach.....	23
7.5. Security During Conversion and Migration.....	24
7.6. Roles and Responsibilities	25
8. Strategy Execution and Roadmap	26
8.1. Data Quality Assessments and Standardization of Current-State	26
8.2. Business Process Standardization.....	27
8.3. Enterprise Architecture	27
8.4. Project Specifications	27
8.5. Data Management Initiatives	28
8.6. Next Steps.....	28
9. References	29
Attachment A: Florida PALM Architecture Principles.....	31
Attachment B: FLAIR/CMS Current-State Interfaces.....	35

Attachment C: General Appropriations Act (GAA) DMP Requirements Traceability	101
Attachment D: FLAIR and CMS Conceptual Data Models.....	103

Revision History

Version	Date	Version Notes
1.0	6/20/2017	Final ESC Approved version

1. Executive Summary

The vision of the Florida Planning, Accounting, and Ledger Management (PALM) Project (Project) is to implement a statewide accounting system that enforces standardization, acts as a scalable foundation to evolve as business needs change, and positions Florida for future innovation as it considers a true enterprise-wide solution.

Data that is contained in the Florida Accounting Information Resource (FLAIR) and Cash Management Subsystem (CMS) and will be contained in Florida PALM (target-state) is a critical asset of the State of Florida. Like any other asset, this data must be diligently safeguarded and managed. The objective of the Florida PALM Pre-Design, Development, and Implementation (Pre-DDI) Data Management Plan (DMP) is to lay the strategic foundation for transitioning towards a modern way of managing this data through the Project's implementation of a new Financial Management Solution (FMS). The Pre-DDI DMP will also serve as a resource for the Design, Development, and Implementation (DDI) DMP that will be developed in conjunction with the Software and System Integrator (SSI). The DDI DMP will provide guidance for the management of data both during the Project and operation of the FMS including specific data management standards, frameworks, processes, and tools.

The Project Team has identified seven architecture principles that will serve as guidance for decision making throughout the roadmap of the target-state, starting during the Pre-DDI phase.¹ The Project will consider the Pre-DDI DMP, the DDI DMP, industry-recognized best practices, modern approaches, and tools throughout the Project to provide the proper administration and management so the FMS data is used properly, securely, reliably, ethically, openly, and efficiently for the good of the State of Florida and its citizens.

The limitations of the State of Florida's legacy FLAIR and CMS subsystems (current-state) today have created many challenges, inefficiencies, and technical debts with respect to the way the State's data is managed.^{2 3} To address these limitations, the Project is considering the following Data Management Book of Knowledge (DMBOK)⁴ knowledge areas of data management for the target-state solution:

- 1.1. Data Governance
- 1.2. Data Architecture
- 1.3. Data Modeling and Design
- 1.4. Data Storage and Operations
- 1.5. Data Security
- 1.6. Data Integration and Interoperability
- 1.7. Documents and Content
- 1.8. Reference and Master Data
- 1.9. Data Warehousing and Business Intelligence
- 1.10. Metadata
- 1.11. Data Quality

The concepts identified in these areas are vital to prudently manage an asset as valuable and strategically important as the State's FMS data.

The Pre-DDI DMP has defined a roadmap of activities for the timeframe leading up to selection of the target-state solution and beyond which includes current data quality assessments, data cleansing, business process standardization, and enterprise architecture documentation and tools to assist with overcoming the data management challenges of the current-state. Per FY1617 Proviso, the Pre-DDI DMP includes an inventory of current-state interfaces, migration activities, and data conversion requirements necessary to transition to the target-state successfully (traceability to FY16-17 Proviso can be found in Attachment C).

2. Objective

The objective of the Florida PALM Pre-DDI DMP is to lay the strategic foundation for transitioning towards a modern way of managing data - specifically, how the State's FMS data will be managed and administered including how it will be defined, stored, modified, and accessed for integration and sharing.

The Pre-DDI DMP will serve as a tool for communicating the Project's data management vision to all stakeholders including Florida Financial Management Information System (FFMIS) agencies, non-FFMIS agencies, Legislative, and Governor's Office staff. It will also serve as a resource during the development of the roles, responsibilities, and activities performed by the Department of Financial Services (DFS) and the Software and System Integrator (SSI) as it pertains to the migration from the current-state to the target-state.

A DDI DMP is included in the Florida PALM Invitation to Negotiate (ITN) Project Specifications (Attachment B) for SSI Services. The DDI DMP and other relevant DDI Project documents (e.g., Data Conversion and Migration Strategy, Integration and Interface Strategy, Deployment Strategy) will supersede the Pre-DDI DMP. The information outlined in the Pre-DDI DMP will provide guidance for the future development of the DDI DMP and other relevant DDI Project documents.

The DDI DMP should assist and guide the Project during the transition from the current-state to the target-state with the identification of key data management activities and capabilities. The DDI DMP will ultimately guide how data is managed after the solution is implemented and production operation has begun.

3. Strategy

The FMS target-state data is a critical asset of the State of Florida that must be fully protected and managed. The Project will consider this Pre-DDI DMP, industry-recognized best practices, modern approaches, various tools, and eventually the DDI DMP to confirm this data is used securely, reliably, ethically, openly, and efficiently for the good of the State of Florida and its citizens.

DFS will, during the Project lifecycle, assess what data is appropriate and of sufficient quality to move to the target-state. The strategies, guidelines, and considerations described in this Pre-DDI DMP, as well as a future DDI DMP developed in concert with the Project's procured SSI partner, will define a clear path to migrate the data and the mechanisms currently available to access it from the current-state to the target-state. This will include the activities, resources, roles, responsibilities, dependencies, timelines, processes, tools, and standards necessary to do so.

The Project recognizes that providing a smooth, stakeholder-friendly migration strategy that minimizes impact to stakeholder data migrations, data integrations, and data management operations is vital to the successful implementation of the FMS. A substantial organizational change management (OCM) effort aligned with a waved deployment approach is anticipated to help facilitate this strategy. The Project also recognizes the full target-state vision will not be realized at the initial deployment and must include a robust transition-state for data management. This will include data strategies to minimize operational impacts to stakeholders and their business systems, until it is time for those stakeholders to migrate to Florida PALM.⁵

The Project has leveraged, and plans to continue to leverage, dedicated staff to support the data management objectives of the Project. In addition, the Project has defined expectations of the selected SSI to bring considerable expertise and collaboration around modern data management techniques.

The Project will ultimately inform and collaborate with stakeholders throughout the Project to successfully update and implement strategies, including those related to data management. The Project's expectations of the SSI in this area, as reflected in the Florida PALM ITN, place particularly strong emphasis on extensive stakeholder readiness initiatives including early and often involvement throughout the Project.

4. Challenges and Risks

The limitations of the current-state tools, technologies, and processes have created many challenges, inefficiencies, and technical debts with respect to the way the State's data is managed. The Project has identified many such challenges and has put together tools and strategies to assist the State in mitigating implementation risk. Some of the biggest challenges of the current-state as it relates to data management include:

- 4.1. No defined FFMS enterprise-wide data strategy or data and application governance plans, policies, and procedures currently in place have resulted in: ^{6 7}
 - 4.1.1. Ambiguity around ownership of current-state data elements
 - 4.1.2. Data scattered across the enterprise causing duplication and reconciliation of key enterprise master data between FFMS and agency systems (e.g., vendor data, State user identities, fund codes, object codes)
 - 4.1.3. Data duplication exposing the State to risk due to the proliferation of this data beyond the systems and controls that are necessary and required to protect it
 - 4.1.4. No standard way of performing core financial business functions today leading to inefficiencies and inconsistencies in the creation, storage, usage, and interpretation of data
 - 4.1.5. Duplication of core financial business functionality in systems external to FLAIR and CMS
- 4.2. Agency business processes and systems designed and executed to compensate for the limitations of FLAIR and CMS as referenced in the 2016 Business Case for Maintaining Agency Business Systems⁸ (e.g., lack of workflow capabilities, considerable manual data reconciliation processes, data reconciliation between multiple business systems, business process execution lag due to batch system processing)
- 4.3. An architecture lacking critical, real-time or near real-time interface capabilities resulting in:

- 4.3.1. A universally batch-based, point-to-point, tightly coupled integration architecture leading to extensive data shadowing and duplication⁹
- 4.3.2. Delays for access to information necessary for decision making due to the predominantly batch-based interface architecture

In addition to these current-state challenges, the Project anticipates many data management risks associated with the migration to the target-state. These include risks related to data management scope, resource availability, stakeholder communication and understanding, remediation funding, data conversion scope, data security, and data quality. These risks will be documented and managed consistent with the methods, processes, and procedures outlined in the Project's PMP.

While some of the challenges articulated above are outside of the decision-making scope of the Project, the Project will focus on implementing a set of FMS data management and integration capabilities necessary for the DFS to fulfill its statutory obligations. The Project will collaborate with the Agency for State Technology (AST), Legislature, Governor's office, FFMIS agencies, and non-FFMIS agencies to understand their data management needs of the target-state and how any future FFMIS enterprise-wide master data management could affect the implementation of the target-state.

5. Florida PALM Architecture Principles

The Project has defined seven architecture principles to serve as guidance for decision making at all levels of the architecture starting in the Pre-DDI phase (see Attachment A). These principles specifically address the challenges that impact data, as well as support successful coordination with all parties as the FMS is developed and matures over time. These principles articulate that the target-state will:

- 5.1. **Presume Data Openness:** Presume openness and the availability of data for agencies and citizens.
- 5.2. **Secure Enterprise Data:** Enforce stronger administration, management, and security over all aspects of data management including how and where data is used, what mechanisms are available to access it, and what systems and users have access. This includes promoting proper data custodianship practices for users granted access to FMS data.
- 5.3. **Centralize Core Functions:** Reduce the need for compensating systems that duplicate the core FMS functionality of FFMIS subsystems.
- 5.4. **Federate Non-Core Functions:** Encourage the federation (i.e., integration) of systems through a modern services architecture that expand upon the core functionality of FFMIS subsystems.
- 5.5. **Enable fast decisions:** Emphasize more real-time or near real-time integration and interoperability to eliminate, slow, error-prone, unsustainable point-to-point integrations enabling a dramatic increase in the speed information is available for decision making.
- 5.6. **Avoid Duplication:** Eliminate the shadowing and duplication of FMS data as well as the duplication of effort and expertise.
- 5.7. **Focus on Sustainability:** Make efforts to avoid customization to enhance sustainability. To further enhance sustainability, involve, or inform key stakeholders early and often throughout the development of the target-state from early planning through implementation.

6. The 11 Knowledge Areas of Data Management

In accordance with the Data Management Association (DAMA), data management is an overarching term that describes the processes used to plan, specify, enable, create, acquire, maintain, use, archive, retrieve, control, and purge data. DAMA provides an excellent framework for FMS data management in the form of the DMBOK. This framework includes a collection of processes and knowledge areas that are generally accepted as best practices within the data management discipline.

The underlying data management concepts, including Florida-specific nuances, in the 11 Knowledge Areas of the DMBOK covered in the following sections are vital to manage an asset as valuable and strategically important as the State's FMS data in a robust, prudent manner.

6.1. Data Governance

At the very core of the DMBOK framework is data governance. Data governance includes the planning, oversight, and control over management of data and the use of data and data-related resources.

A system that is so pervasive statewide requires controls so the target-state and the data it contains is consistent, reliable, clean, and meaningful. Data governance confirms the State is protecting, safeguarding, and delivering its FMS data in a manner consistent with managing any critical asset. The Data Governance Institute defines the following eight key attributes as universal to data governance:

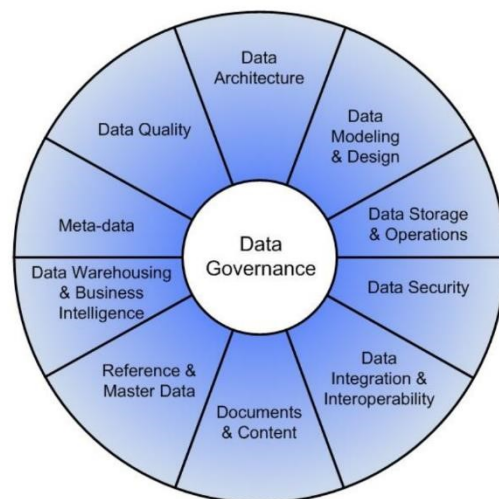


Figure 1: The DAMA-DMBOK2 Guide Knowledge Area

- 6.1.1. **Integrity:** Data governance participants ^{Wheel} will practice integrity with their dealings with each other; they will be truthful and forthcoming when discussing drivers, constraints, options, and impacts for data-related decisions.
- 6.1.2. **Transparency:** Data governance and stewardship processes will exhibit transparency; it should be clear to all participants and auditors how and when data-related decisions and controls were introduced into the processes.
- 6.1.3. **Auditability:** Data-related decisions, processes, and controls subject to data governance will be auditable; documentation will accompany them to support compliance-based and operational auditing requirements.
- 6.1.4. **Accountability:** Data governance will define accountabilities for cross-functional data-related decisions, processes, and controls.
- 6.1.5. **Stewardship:** Data governance will define accountabilities for stewardship activities that are the responsibilities of individual contributors, as well as accountabilities for groups of Data Stewards.
- 6.1.6. **Checks-and-Balances:** Data governance will define accountabilities in a manner that introduces checks-and-balances between business and technology teams, as well as between those who create/collect information, those who manage it, those who use it, and those who introduce standards and compliance requirements.

- 6.1.7. **Standardization:** Data governance will introduce and support standardization of FMS data.
- 6.1.8. **Change Management:** Data governance will support proactive and reactive change management activities for reference data values and the structure/use of master data and metadata.

Data governance will play a critical role in the evolution of the current-state to the target-state; most critically, it will guide how functionality and data will be exposed for interoperability between other FFMIS subsystems (People First, MyFloridaMarketPlace (MFMP), and LAS/PBS), agency business systems, third-parties (e.g., financial institutions), and other stakeholders. Data governance can address the current-state challenges articulated in Section 4 as well.

The Project, to support the data governance process, will leverage the methods, processes, and procedures outlined in the Project Charter and Project Management Plan (PMP). It is anticipated the Project Charter and PMP will be updated to support the DDI phases of the Project and that governance for specific DDI Project activities (e.g., data conversion) will be documented

6.2. Data Architecture

Data architecture includes the overall structure of data and data-related resources as an integral part of the enterprise architecture.¹¹ This includes a description of the structure and interaction of the FMS's major types and sources of data, logical data assets, physical data assets, and data management resources.

Data architecture accounts for how data is currently designed, how it is used, who the users are, and what functions the data supports. Data architecture provides a disciplined approach to understanding the data of the current-state to architect the target-state, its data, and how they both can be utilized to derive maximum value for Florida.

Considerations for data architecture as it relates to data management for the target-state include a clear understanding of:¹²

- 6.2.1. Which application components in the landscape will serve as the system of record or reference for enterprise master data
- 6.2.2. Standard(s) that all application components, including software packages, should adopt
- 6.2.3. How data entities are defined and utilized by business functions, processes, and services
- 6.2.4. How and where data entities are created, stored, transported, and reported
- 6.2.5. The level and complexity of data transformations required to support the information exchange needs between applications
- 6.2.6. The requirements for software in supporting data integration with the FMS's customers and suppliers

Data architecture will set the data management foundation for the target-state including the Solution's technical position as well as its functional role in the overall FFMIS Enterprise Architecture. A single, enterprise-wide FFMIS data architecture (out of scope for the Project), if considered, must be designed and developed by all participating FFMIS agencies. This would address the lack of a defined FFMIS enterprise-wide data strategy and governance, the first challenge articulated in Section 4.

6.3. Data Modeling and Design

Data modeling and design includes the analysis, design, building, testing, documentation, and maintenance of data. A data model is commonly created to describe the structure of the data handled in information systems and persisted in database management systems. The data model serves as the blueprint for the physical database(s), helps implementation of the data access layer of the system, and has a strong impact on performance and modifiability.¹³

Data modeling and design is necessary to create the best-fit scenario for target-state data usage, access, and security as well as to reduce the customization required for the new solution. Data modeling can include the following:¹⁴

- 6.3.1. Conceptual data model (CDM) including the highest level groups/classes of entities, attributes, and relationships (See Attachment D)
- 6.3.2. Logical data model (LDM) including logical views of the actual data of interest from the applications' point of view
- 6.3.3. Physical data model (PDM) representing the physical implementation of the data modeled in the FMS database(s)
- 6.3.4. Data management process models including data dissemination, lifecycle, security, and data model management views
- 6.3.5. Data entity/business function matrix in the business architecture

Data modeling and design can address several of the challenges articulated in Section 4, including the lack of a real-time or near real-time architecture and data governance. The physical data model and business rules for the target-state will be driven largely by the procured solution and will include considerable data migration activities to transition from the predominantly hierarchical data models of the current-state.

6.4. Data Storage and Operations

Data storage and operations involves the deployment and management of both structured and physical data asset storage. This includes the various types of database management systems (DBMS) (e.g., relational, hierarchical) and data file systems (e.g., HADOOP, flat files, XML).

Critical user functions and day-to-day processes are dependent upon well designed data storage capabilities and comprehensive operations planning. Processes such as systems and data monitoring, emergency and disaster preparation, and simple daily backups require planning, designing, and procuring the right tools and capabilities for storing data. These tools and capabilities should include:

- 6.4.1. Change management and impact analyses
- 6.4.2. Infrastructure roles and responsibilities
- 6.4.3. Performance management
- 6.4.4. Day-to-day backups and recovery
- 6.4.5. Lifecycle management of data impacting the FMS application systems, databases, and storage media for data from implementation to retirement
- 6.4.6. Lifecycle maintenance of data including retention, archive and purge processes, and policies

- 6.4.7. Monitoring and metrics
- 6.4.8. Test data management
- 6.4.9. Emergency preparedness and disaster recovery

The architecture ultimately developed for the target-state will have implications for storage and operations depending on whether a State-hosted, third party hosted, or hybrid architecture is selected. There are also retention implications that must be considered including the disposition and availability of data not migrated to the new platform. Storage and retention options can help address agency data duplication and unnecessary agency processes created due to current-state limitations as articulated in Section 4.

6.5. Data Security

Data security confirms the privacy, confidentiality, and appropriate access of data. This includes how data is secured at rest, in use, and in motion.

A modern and robust data security architecture is necessary to satisfy all Federal and State law, rule, and statutory requirements that protect the legal rights of the people and institutions whose data is used in the target-state solution. There are many critical areas included in data security to consider:

- 6.5.1. Security Requirements such as Health Insurance Portability and Accountability Act of 1996 (HIPAA), Payment Card Industry Data Security Standard (PCI DSS), personally identifiable information (PII), and exempt data (i.e., data considered sensitive or confidential)
- 6.5.2. Privacy including test data masking and de-identification
- 6.5.3. Vulnerability and penetration assessments of database systems
- 6.5.4. Data security maintenance (e.g., access management, encryption)
- 6.5.5. Legal requirements and protocols (e.g., interaction with risk management and legal, identity and access management, breach response processes)
- 6.5.6. Data segmentation to manage costs while maximizing data security

Data security is of the utmost importance to the State of Florida and the Project, and will be a critical capability of any solution proposed, as well as the services pertaining to security provided by the SSI. The Project is particularly interested in ways to improve user security such as robust, federated identity and access management capabilities using a single sign-on technology. The Project will also adhere to all applicable AST Rules including 74-2 of the Florida Administrative Code, known as the Florida Cybersecurity Standards. Data security should address data strategy challenges of data duplication and business process standardization across agencies as described in Section 4.

6.6. Data Integration and Interoperability

Data integration and interoperability includes the acquisition, extraction, transformation, movement, delivery, replication, federation, virtualization, and operational support of data.

Robust integration and interoperability capabilities help the State avoid costly customizations by providing the target-state with the ability to use modern tools and reusable patterns and standards

that are more loosely coupled, secure, and easier to maintain. Elements of data integration and interoperability can include:

- 6.6.1. Approaches to include deep integration (predominantly tight coupling, used only when necessary) or to interoperate (loose coupling, the preferred implementation method)
- 6.6.2. Standards (e.g., representational state transfer (REST), simple object access protocol (SOAP))
- 6.6.3. Architecture patterns (e.g., service oriented architecture (SOA), data services)
- 6.6.4. Acquisition of data including integrating third-party data
- 6.6.5. Movement of data including data integration, transformation, virtualization, migration and conversion, and messaging
- 6.6.6. Operational standards including allowable patterns and methods for access, security, lineage, sharing agreements, quality and recombination, and exception handling
- 6.6.7. Extract, transform, and load (ETL) strategies, tools, methodologies for data migration and integration

The architecture vision for the target-state, as it pertains to integration and interoperability, is far different from the current-state scenario of tightly-coupled, point-to-point integrations. The targetstate is envisioned to be consistent with a modern approach, aligning where feasibly possible, with the strategic direction of AST as well as emerging industry trends in Digital Government and the Internet of Things (IoT).^{15 16 17} This approach addresses the lack of real-time or near real-time interface capabilities in the current-state as articulated in Section 4.

6.7. Documents and Content

Documents and content includes storing, protecting, indexing, and enabling access to data found in unstructured sources (e.g., electronic files, physical records), and making this data available for integration and interoperability with structured data.

For the current-state, much of the State's unstructured data in support of the financial processes is in the form of word documents, Excel files, portable document format (PDF) files, hard copy contracts, and other physical records, some even contained in agency document management systems. Much of this unstructured data is dormant, inaccessible, and not easily searchable by the entire population of appropriate users. Unstructured data is not stored in the current-state. Modern document and content management systems are systems that provide ways to harness such unstructured data, tag it, and make it readily accessible and searchable for the appropriate users to support financial processes.

Key considerations for the target-state management of documents and content include:

- 6.7.1. Content management including classification, taxonomies, tagging, and indexing
- 6.7.2. Electronic document storage (e.g., digital office files, images)
- 6.7.3. Distribution and management standards of physical documents (e.g., print documents, records)
- 6.7.4. Potential new security implications of target-state storage of unstructured documents (e.g., HIPAA, CJIS)

The target-state solution should include document management capabilities that the current-state lacks today. This can address unnecessary agency business processes developed based on current-state document storage limitations as articulated in Section 4. The use of fewer printed

materials substituted with electronic document workflows in all business processes will be a key capability of the overall solution.

6.8. Reference and Master Data

Reference and master data includes the managing of shared data to reduce redundancy and allow for better data quality through standardized definitions and use of data values.

Master data, as defined by Gartner, is the consistent and uniform set of identifiers and extended attributes that describes the core entities of the enterprise including customers, prospects, citizens, suppliers, sites, hierarchies, and chart of accounts.¹⁸ According to The Data Warehousing Institute (TDWI), MDM is the practice of acquiring, improving, and sharing master data.¹⁹ MDM involves creating consistent definitions of business entities via integration techniques across multiple internal IT systems and often to partners or customers. Both integration tools and techniques enable MDM for ETL, enterprise application integration (EAI), enterprise information integration (EII), and replication. MDM is closely tied to data governance, which aims to improve data's quality, share it broadly, leverage it for competitive advantage, manage change, and comply with regulations and standards.

The State has considerable master data in the current-state and this data is scattered statewide with multiple copies spread across various systems. The purpose of creating master data is to identify which key enterprise data are master records, hold this data in a synchronized repository, and manage it so that all users and systems treat this data as the definitive source of truth, reducing data duplication and increasing data quality.

Some key considerations for the management of master data, reference data, and other data types include:

- 6.8.1. Business rules for matching and merging master data
- 6.8.2. Resolution of data disputes
- 6.8.3. Which systems will serve as the source of record or source of reference for master data elements including people (e.g., customers, employees), places (e.g., office locations, service areas), and things (e.g., customer accounts, assets)
- 6.8.4. Data profiling
- 6.8.5. Reference data sources, usage, and system access (e.g., postal code tables)

The functional and technical management of reference and master data is a critical design consideration for the target-state, and should address several of the current-state challenges including data duplication and decentralization.

6.9. Data Warehousing and Business Intelligence

Data warehousing and business intelligence (BI) includes the enablement of access to decision support data for reporting and analysis and the management of analytical data processing. The current-state lacks modern BI capabilities and the Information Warehouse (IW) lacks the user friendliness and dimensional modeling necessary to support efficient decision making.

A data warehouse (DW), per TDWI, incorporates data stores and conceptual, logical, and physical models to support business goals and end-user information needs. A DW is the foundation for a successful BI program. DW techniques and tools include appliances, platforms, architectures,

and data stores; database architectures, structures, scalability, security, and services; and data warehousing as a service.²⁰ Considerations for a DW include the:

- 6.9.1. Approach (e.g., Kimball versus Inmon)²¹
- 6.9.2. Architecture (e.g., centralized, distributed, hybrid)
- 6.9.3. Update frequency (e.g., batch, real-time, or near real-time)
- 6.9.4. Integration and interoperability, including what data is stored and for what timeframe, and what tools and processes are available to access it

BI unites data, technology, analytics, and human knowledge to optimize business decisions and ultimately drive a business's success. BI programs usually combine an enterprise DW and a BI platform or tool set to transform data into usable, actionable business information.²² For analytical capabilities, considerations must be made for:

- 6.9.5. Architecture (e.g., centralized, distributed, hybrid)
- 6.9.6. In-memory computing capabilities
- 6.9.7. BI for line of business, operational, and personnel performance
- 6.9.8. Real-time or near real-time BI
- 6.9.9. Predictive and reactive analytics
- 6.9.10. Search and other self-service capabilities

Across both the DW and BI capabilities, governance should be addressed by the target-state. This includes the appropriate use and interpretation of data as well as the enforcement of compliance with the overall data architecture. This is fundamental for overcoming current-state challenges of data and system duplication, as well as access delays to information needed for decision making.

6.10. Metadata

Metadata is structured information that describes, explains, locates, or otherwise makes it easier to retrieve, use, or manage an information resource. Metadata is often called data about data, or information about information.²³ Metadata management includes the collecting, categorizing, maintaining, integrating, controlling, managing, and delivering of metadata.

Given the quantity, variety, and disparate types of data in the current-state, there is a need to create a well-organized index and reference base due to the distribution complexity. The primary value of metadata is that it presents a coherent high level context and can be made available to both business users and system end users through a simple user interface. Key aspects of metadata management include:

- 6.10.1. Architecture for metadata management
- 6.10.2. Semantics and metadata identification
- 6.10.3. Metadata solutions including a business glossary and repository architecture
- 6.10.4. Collection and maintenance of metadata
- 6.10.5. Metadata standards including standard data definitions, data asset discovery, master data, classification, sensitivity, owners and stewards, metrics, and government regulations and industry standards

The target-state should include tools, processes, and frameworks for the system-wide management of metadata including registration, identification, naming, definition, and classification.²⁴

6.11. Data Quality

Data quality includes defining, monitoring, and maintaining data integrity, and improving data quality as well as the operational processes necessary to accomplish data quality initiatives.

In accordance with the International Association for Information and Data Quality (IAIDQ), the processes the Project should consider for information quality (using a modified IAIDQ analogy to manufacturing quality) are: ²⁵

- 6.11.1. Assess data and process quality
- 6.11.2. Control processes that produce and alter the data
- 6.11.3. Improve, monitor, and audit processes that produce and alter the data to meet or exceed customers' expectations and requirements

Data is valuable if and only if the data is reliable, consistent, and of high quality. For data to be relevant and useful, it is imperative that the quality of data is high. Data quality generally deteriorates over time unless the proper checks and balances are put in place to monitor the quality of data and corrective actions are taken for ongoing data quality improvement. Capabilities of tools and programs necessary to manage data quality include: ²⁶

- 6.11.4. Profiling (i.e., collecting statistics or informative summaries about the data)²⁷
- 6.11.5. Parsing, standardizing, and cleansing
- 6.11.6. Visualization
- 6.11.7. Matching, linking, merging, and splitting
- 6.11.8. Multi-domain support
- 6.11.9. Workflow
- 6.11.10. Scalability and performance
- 6.11.11. Use cases to address MDM, operational/transactional data quality, information governance initiatives, data integration, data migration, and big data

The target-state should include the necessary tools and processes to manage the quality of all transactional, reference, master, historical, metadata, temporary, and temporal data throughout its lifecycle. This includes performing any necessary validations of existing data, controlling the processes that produce or alter data, and providing mechanisms to maintain proper audit trails of all new or existing data.

7. Data Conversion and Migration Strategy

The Data Conversion and Migration Strategy detailed below provides guidelines and considerations for the Project during Pre-DDI. The final strategy and plan for data conversion and migration will be confirmed in future phases of the Project.

The level of planning, organization, and effort involved in converting and migrating the currentstate data landscape from its current disposition to the desired future state is composed of many technical challenges and considerations. That business reality is fundamental, and further confounded by the scope, complexity, and significance of the scale of transformation. Although this dynamic seems to revolve around a technical sphere of influence, it is properly perceived as primarily a business issue rather than a strict set of technical concerns. Visualizing the challenge of this conversion and migration process illustrates the significance of this transformation.

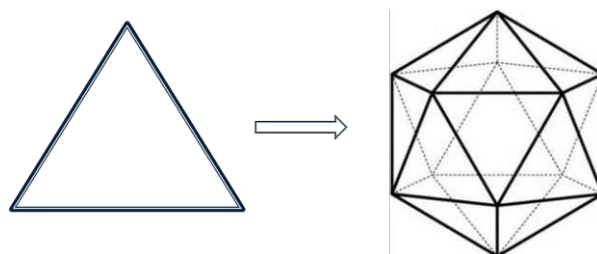


Figure 2: Current-state to target-state conversion and migration impact

Figure 2 illustrates the scope of complexity required to transform the flat nature of the currentstate into the modern data architecture of the target-state. This complexity may also include the sourcing of data outside of the current-state (e.g., from agency business systems).

Per Gartner, the level of involvement of stakeholders in data migration efforts has been shown to have a significant impact on the speed of delivery, quality, and business benefits of data migration efforts. Organizations where subject matter experts are not engaged and providing input to determine the rules for mapping, transformation, and quality-assurance of data in a migration, risk receiving poor quality results, lack of acceptance of the target applications and processes, and potential business disruption.²⁸

The Project recognizes that the foundational requirement of transitioning the State's critical data assets from its current-state to the desired target-state must be accomplished with complete fidelity. To deliver this outcome, a collection of data conversion guidelines will be adhered to, at every relevant level of the transition, until the target-state data landscape reaches a sustainable level of production quality data.

7.1. Data Conversion Guidelines

Name	Guideline #7.1.1 – Current-state data is a critical asset and necessary for the target-state vitality and operation.
Purpose	To maintain business continuity, the existing data in the current-state data repositories must be translated to support the target-state data landscape. The target-state is not intended to be a scratch system, therefore it must be seeded and informed by relevant, operational, production data.
Name	Guideline #7.1.2 – Forensic knowledge, intimacy, and accountability for the current-state data landscape is required.
Purpose	The current-state data landscape must be completely and comprehensively decomposed to discover, identify, organize, and promote understanding of the structural, quantitative, and qualitative state of the data. The meaning of the data in its current business context will be of critical importance.

Name	Guideline #7.1.3 – Current-state data should be transformed into targetstate data on an agency by agency basis.
Purpose	While many universal current-state data conversion patterns will exist, each agency should be allowed to configure, refine, scope, and orient a view of the data germane to their interest without compromising the integrity of the migration process. A standardized data conversion and migration profile checklist should be developed to support this specification. The Project should create an agency migration profile document to support this specification and metadata should be defined for the conversion process that automates the approach.

Name	Guideline #7.1.4 – Current-state data should be comprehensively and rigorously prepared and tested to support conversion and migration readiness.
Purpose	Current-state data should be fully prepared, rigorously cleansed, qualified, and tested for the conversion and migration lifecycle. The implementation and application of a data quality review program should assist in resolving any existing data accuracy, consistency, completeness, or integrity issues as close to the source systems (current-state database repositories) as is practicable.

Name	Guideline #7.1.5 – Current-state data conversion environments should represent the dedicated resources of a fully functional Application Lifecycle Management (ALM) solution lifecycle.
Purpose	<p>A complete ALM solution lifecycle and environmental complex should be implemented to support all Project activities, including but not limited to data conversion and migration processes/events. It is anticipated that the following, traditional target-state environments could be appropriately extended, isolated, sized, and scaled:</p> <ul style="list-style-type: none"> 7.1.5.1. Development 7.1.5.2. Staging 7.1.5.3. Test 7.1.5.4. Quality Assurance (QA) 7.1.5.5. Training 7.1.5.6. Parallel 7.1.5.7. Pilot 7.1.5.8. Production

Purpose

Significant considerations that individually do not rise to the level of a standalone guideline should be grouped together for general application to the data conversion and migration process. This can include:

- 7.1.6.1. Testing and validation of any steps critical to the data conversion and migration plan should occur early and often
- 7.1.6.2. Appropriate stakeholder (including appropriate levels of governance sign-off at clearly defined process gate staging points (e.g., Test, QA, Parallel, Pilot, Production) of the data and conversion implementation process should occur
- 7.1.6.3. Final current-state to target-state system of record synchronicity should incorporate configuration management protocols at all tiers including, but not limited to the data tier
- 7.1.6.4. The conversion of historical data should be considered as a solution-wide data concern and will require a final disposition

The approach to converting and migrating the current-state data landscape to a target-state should be driven by and executed against this set of guidelines. These guidelines define, organize, clarify, scope, and bind the standards behind every action taken in pursuit of this goal.

7.2. Research and Collaboration

Although the scope and quantity of data represented in the Project conversion and migration activities have relatively few precedents, the effort will benefit heavily from the perspective of organizations that have successfully transitioned from a similar legacy system or that have assessed many comparable real world scenarios.

The Project has engaged entities that have migrated from FLAIR and CMS, including Florida State University (FSU) and Florida Agricultural and Mechanical University (FAMU), to understand key business considerations and lessons learned for migration. Through conversations with FSU, FAMU, and Gartner, and other research, the Project has learned several best practices to consider: ²⁹

- 7.2.1. For each data migration initiative, assess the impact of critical risk factors (e.g., complexity and number of sources, data volumes, timing considerations, availability of and proper use of tools, and business-user involvement).
- 7.2.2. Set the appropriate scope to minimize the number of data sources and data volumes.
- 7.2.3. Plan the timing of the migration, including phasing in steps, to manage risk.
- 7.2.4. Focus early and heavily on identifying and determining approaches for resolving data quality issues.
- 7.2.5. Leverage existing investments in data integration and data quality tools to improve quality and productivity, while minimizing costs and avoiding duplication and silos which may require considering tools deployed in other parts of DFS.

In addition to engaging the business and following other industry-standard best practices for data migration, the Project should address the State's requirements, expectations, and acceptance

criteria for data migration. Some of the additional migration considerations the Project will address include:³⁰

- 7.2.6. Development of a clearly defined, robust data migration strategy including requirements, approaches, dependencies, tools, processes, testing and acceptance expectations, and performance measures
- 7.2.7. Development of a clearly defined, robust data migration plan to execute and measure the accepted strategy including the extraction, profiling, data transformation and quality operations (e.g., standardize, normalize, and de-duplication of source data, match, merge, and consolidate data from sources, source-to-target mappings), and loading of data into target systems. Metadata will be leveraged as a critical component to keep data integration, migration, and quality tasks unduplicated and consistent.
- 7.2.8. State performed duties which may include data owners and custodians supporting or performing data cleansing, data validation, data testing, data integration, conversion/migration activities, and establishment of clear conversion requirements and acceptance criteria
- 7.2.9. Adherence to State and Federal laws regarding data retention standards
- 7.2.10. Adherence to State and Federal laws as well as best practices regarding the security and the handling of data during all migration activities
- 7.2.11. Confirmation that migration plans are coordinated with the overall approach to managing and implementing change across all dimensions of the Project

The accumulated perspective from these sources, combined with forensic analysis of the current-state data systems and structures, significantly enhances the data conversion and migration process. Data patterns may be discovered that reveal the level of detail and complexity inherent in the system.

Complexity is normally a by-product of how formally structured the data system is and the associated level of intelligence imbued in the DBMS layer. Detail revolves around how much qualification of meaning exists for the data system outside of the documented physical structures. Insight gleaned from the analysis of the current-state data systems indicate that complexity issues are less of a challenge for the following reasons:

- 7.2.12. Extremely flat organization of the data model
- 7.2.13. Legacy nature of the current-state technology stack
- 7.2.14. Limited exploitation of the resilient feature set of a modern DBMS

Issues related to detail are much more significant and harder to mitigate because they require extended analysis and traceability before they can be ultimately accounted for. Given the age of the current-state, further analysis is needed prior to data conversion/migration activities to determine if meaningful data rules and definitions exist outside of the database management environment in:

- 7.2.15. Source code
- 7.2.16. Specifications
- 7.2.17. Data analysis

7.2.18. Metadata

7.3. Data Organization and Taxonomy

The current-state data landscape is the physical manifestation of hundreds of tables, across approximately 20 databases, four DBMS, and multiple operating system environments. An orderly, structured, and progressive approach is required to translate this data ecosystem into standard conceptual, logical, and physical documents. These documents, to best understand the current-state in isolation and its interaction with external systems, should be developed and organized using the following approach:

7.3.1. FLAIR and CMS should be decomposed as separate data systems.

7.3.2. The deconstruction of each data system should enable the creation of a set of rich, system data documents which should be used as input into many data conversion processes as well as other data centric project efforts including:

7.3.2.1. CDM (see Attachment D)

7.3.2.1.1. High level data model with important classes / groups of business data entities

7.3.2.1.2. High level data entity details

7.3.2.1.3. High level data entity views by subject area

7.3.2.2. LDM(s)

7.3.2.2.1. Discover and diagram sub entity types

7.3.2.3. PDMs

7.3.2.3.1. Entity Relational Diagrams (ERD) which follow the clear and consistent patterns of the data relationships

7.3.2.3.2. Derivation of standard structured query logic (SQL) from ERD objectification

7.3.2.3.3. Extension of standard SQL based on differentiated data rules (e.g., filtration, custom data logic, data rules in the business logic layer, etc.)

7.3.2.3.4. Enterprise Data Dictionary as a key reference document that contains the meaning of the business data and rules at an elementary level. The physical attributes of the data element and its instantiation points are also identified

7.3.2.4. Data Flow Diagrams (DFD) representing graphical depiction of the flow of data

7.3.2.4.1. Logical DFD focusing on the system process data flows

7.3.2.4.2. Physical DFD focusing on the actual implementation flow of data

The modeling effort should support a data classification scheme that should utilize both top down and bottom up approaches to discover and properly sub-divide the data into the discrete classes described below:

7.3.3. Transactional data is the largest volume of data in the system characterized by daily business events (e.g., disbursements, purchase orders, daily ledger transaction detail).

7.3.4. Master data is data that consistently describes the key entities (e.g., vendor master, agency master, chart of accounts).

7.3.5. Reference data is typically validation shared by many sources (e.g., status codes).

7.3.6. Metadata is data that defines other data (e.g., agency migration profile).

- 7.3.7. Unstructured data is information considered operational and of production quality contained in narrative sources (e.g., word documents, PDF documents, physical hardcopies supporting financial transactions). This type of data is typically discovered during data inventory and cataloging activities.

This organizational approach should provide a comprehensive view into the structure of the current-state data systems and support granular, unitized, object, or collection-based referencing as necessary. Each group of related data components should be named to coincide with the conceptual understanding of the data model (e.g., vendor object, invoice object, disbursement object, project object). Crosswalks between the current-state legacy data objects and target-state standardized data objects will be mapped for resolution.

7.4. Data Conversion and Migration Approach

The sequence outlined here should be considered for a formally structured, comprehensive, and Project data conversion and migration plan. This approach should be fully informed by the guiding principles, peer insight, and data organizational strategy set forth in this section of the Pre-DDI DMP, as well as fully incorporating the methodology of the SSI.

7.4.1. Data Conversion Detailed Strategy

- 7.4.1.1. To improve data conversion compatibility, minimize data cardinality issues, and enhance referential integrity, a best fit data conversion approach envisions utilizing the staging environment to better normalize the FLAIR/CMS data models prior to target-state transformation mapping. This bridging strategy will bind the data models and be based on a combination of custom to universal data structures relevant to the financial industry. Current-state data integrity and fidelity will be maintained or significantly improved.
- 7.4.1.2. Detailed data conversion rules should be developed that explicitly define end to end considerations of all aspects of the strategic plan, including but not limited to appendices containing conversion process flow diagrams and source to target data mappings. The mapping process and transformation process is a critical step and solely dependent on the adoption of the new target-state solution.
- 7.4.1.3. Impact analysis is an ongoing consideration and should gauge the level of effort necessary for each participant to achieve success with the conversion requirements, goals, expectations, and challenges of the conversion and migration process.
- 7.4.1.4. Conversion types and timing models should be developed with sensitivity to the calendar of all current State fiscal year accounting events (e.g., end of year/end of month reporting and closing).
- 7.4.1.5. Data scoping and load prioritization should quantify the amount of agency data to be converted and migrated based on an agency migration profile. Common and extended data classes should be prioritized to support a proper order of execution.
- 7.4.1.6. ETL methodologies should be developed for transactional, analytical, and dimensional workloads based on fault tolerant and methodical industrial strength techniques. The SSI model for ETL processing should be incorporated as part of a clear and concise ETL strategy and plan.

7.4.2. Data Conversion and Migration Process

- 7.4.2.1. Kick-off workshops should be held to provide individual agencies a comprehensive overview of the data conversation and migration lifecycle (e.g., checklists, Gantt charts), including but not limited to the cadence of activities and rollback exception planning/recovery in the event of any setbacks.
- 7.4.2.2. Migration pathways should define the environmental flow of the data conversion and migration process, as well as the standards and considerations of each environment (e.g., Development to Production).
- 7.4.2.3. Migration milestones and timelines should be unique to each agency wave and represented on a mobilization and readiness schedule. This view should converge with the overall set of peer activities being performed by the Project Team, SSI, and DFS Office of Information Technology (OIT) in support of all agencies currently in transition.
- 7.4.2.4. Data cleansing requirements should be explicitly defined to cover common data integrity issues (e.g., nullification, synchronicity, redundancy, inconsistency, inaccuracy), as well as data concerns exclusive to certain classes of data.
- 7.4.2.5. Error handling requirements should be extensively defined and developed to capture, log, and resolve exceptions at the source. A comprehensive metadata layer of known, or newly discovered error types and conditions, should be maintained to assure clear understanding of what occurred when, where, and why along with how to implement the proper fix. This metadata layer should yield clear error patterns, accelerate the resolution path, and allow the team to maintain velocity with data conversion and migration tasks.
- 7.4.2.6. Data lineage considerations and capabilities will be incorporated into data conversion processes to provide perspective on source data elements used to derive meaning and value to the target system.
- 7.4.2.7. Data auditing requirements should confirm that the data matches as it moves through the conversion and migration process. As the data migrates through each process gate, data exactness is an ideal outcome, but the goal of data sufficiency is the standard as we should expect and account for acceptable data loss through filtration.
- 7.4.2.8. Data conversion cycles should be phased and incremental to confirm state of conversion readiness. These processes should be sequenced to mature from test to production quality conversions and should involve everything from trial runs to production deployment.
- 7.4.2.9. Data conversion completion and sign-offs should represent a formal acknowledgment and acceptance of post conversion data readiness at each ALM process.

7.5. Security During Conversion and Migration

The Project recognizes the data security of current, interim, and future state incarnations as paramount. The security considerations defined in the data architecture (see Section 6.5) cover the entire transition from the current-state to the target-state solution base by establishing a persistent, horizontal implementation focus that extends across all functional and data processes. The data conversion and migration processes should be an extended path where the data remains in flight.

Maintaining the security and privacy of data during migration activities is vital to the success of the Project. To preserve privacy during any migration activities, the Project and the SSI should:

31

- 7.5.1. Leverage privacy-enhancing technologies to reduce privacy risks.
- 7.5.2. Use techniques to aggregate and de-identify data, and understand the limits of deidentification.
- 7.5.3. Leverage current privacy regulatory and self-regulatory frameworks.
- 7.5.4. Understand current technology-related privacy issues.
- 7.5.5. Conduct privacy-related risk assessments and compliance reviews, respond to incidents, and integrate privacy into the software engineering lifecycle phases.
- 7.5.6. Conduct basic usability evaluations to assess the usability and user acceptance of privacy-related features and processes.

7.6. Roles and Responsibilities

The Project recognizes the need for a well-articulated, consistent, efficient, and balanced work breakdown structure for all relevant entities heavily involved in data conversion and migration activities. The Project data conversion and migration plan should address these responsibilities in detail, however the strategic view of each party's possible key role (for consideration and confirmation in future phases of the Project) is broken down as follows:

- 7.6.1. Project Team and DFS OIT (SSI Encapsulated):
 - 7.6.1.1. Develops, documents, diagrams, and publishes the data conversion and migration plan/processes, including but not limited to supporting data documentation.
 - 7.6.1.2. Cleanses any deficiencies identified in the target data complex (Staging to Production).
 - 7.6.1.3. Monitors and manages all phases of the data conversion and migration process including, but not limited to trials, testing, piloting, and go-live activities. Multiple agencies will be involved in different phases of the migration at any one time. Tracking the myriad set of activities and iterations will require a first class, highly interconnected, and integrated ALM coordination strategy driven by the PMO.
 - 7.6.1.4. Provides the source input data for staging. Input data specifications (e.g., file extract groupings, layouts, formatting) will be clearly defined in the data conversion and migration plan and result from a collaborative design effort with the Project Team and OIT. The SSI will likely support proprietary custom exchange formats.
 - 7.6.1.5. Cleanses any deficiencies identified in the source data from operational repositories.
 - 7.6.1.6. Provides any sign-offs related to data provisioning and readiness for staging.
 - 7.6.1.7. Supports fully functional Project ALM solution lifecycle environments.
- 7.6.2. Agency
 - 7.6.2.1. Consistent participation and engagement in every phase of the data conversion and migration process.
 - 7.6.2.2. Confirmation (e.g., unit/integration/functional/load testing) as necessary including, but not limited to target-state production readiness.
 - 7.6.2.3. Confirm proper staff representation at data conversion workshops, walkthroughs, and extended triage sessions.

8. Strategy Execution and Roadmap

There are many aspects of data management that will be addressed in future phases of the Project that cannot be addressed before the FMS and SSI are determined (e.g., specific data management standards, frameworks, processes, and tools). The Project anticipates this additional information will be reflected in a future DDI DMP that considers this Pre-DDI DMP.

The planning and preparation activities before and during Pre-DDI include current data quality assessments, standardization and cleansing activities, business process standardization, enterprise architecture initiatives and services, and detailed project specifications to arrive at a strong solution (software and services) to overcome the data management and migration challenges of today.

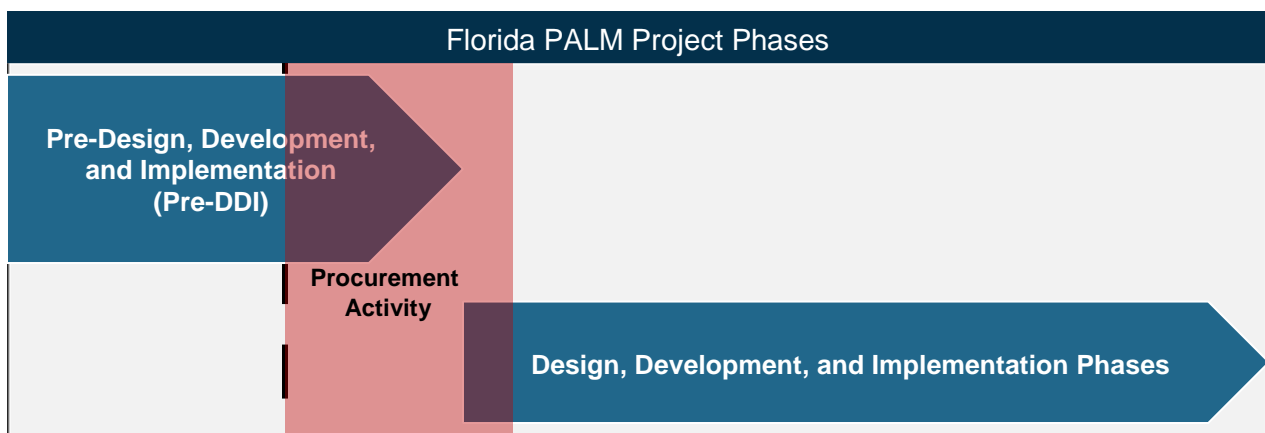


Figure 3: Florida PALM Project Phases

Both the Project and DFS have conducted and will continue to conduct proactive readiness activities to execute on its data management strategy. The activities listed below include activities completed prior to and during Pre-DDI, as well as some activities that should be completed during DDI.

8.1. Data Quality Assessments and Standardization of Current-State

DFS has undertaken and continues to work on many proactive initiatives to assess, improve, and standardize its current-state data in anticipation of the arrival of the target-state. Some examples of these data quality and standardization initiatives include:

- 8.1.1. Expenditure object code standardization³²
- 8.1.2. Commodity code standardization³³
- 8.1.3. Chart of Accounts Project³⁴
- 8.1.4. Florida Accountability Contract Tracking System (FACTS) Project including standardization of contracts and grants data³⁵
- 8.1.5. Vendor file cleansing (ongoing)
- 8.1.6. Revenue object code standardization (future initiative)
- 8.1.7. General ledger master file cleansing (future initiative)
- 8.1.8. Master file and transaction data cleanup for closed agencies (future initiative)
- 8.1.9. Employee Identifier (ID) conversion (future initiative)

8.1.10. Comprehensive Annual Financial Report (CAFR) automation (future initiative)

8.2. Business Process Standardization

The Project has expended considerable effort dating back to October 2014, engaging and collaborating with stakeholders to develop standardized financial business process models and business requirements for the target-state. These financial process models and business requirements serve as the Project's vision for the target-state FMS business capabilities and are vital to minimize costly, risky customizations and allow for a successful FMS implementation.^{36 37} With standardized financial business models as a foundation, the appropriate information objects and data that support these models can be standardized and developed, addressing many of the challenges articulated in Section 4. These models will be further refined when the target-state FMS is identified, as well as when design decisions are made during future implementation phases.

8.3. Enterprise Architecture

The Project has developed, or is in the process of developing, tools that will aid the Project in the development of the target-state. These tools include:

- 8.3.1. Architecture principles to convey the vision and boundaries for the target-state architecture (see Attachment A)
- 8.3.2. A detailed inventory of current-state (legacy) interfaces for FLAIR and CMS (see Attachment B)
- 8.3.3. Conceptual-level integration points, included as part of standardized business process models, for FFMIS, agency, and third-party systems cross-walked with the current-state interface inventory

The Project has procured the services of experienced technical support services contractors to refine existing EA approaches, provide guidance and considerations, and conduct additional PreDDI readiness initiatives for the target-state. Some readiness initiatives include:

- 8.3.4. A Pre-DDI EA Strategy to guide the Project during Pre-DDI
- 8.3.5. A Gap analysis of current-state interfaces and standardized business process model integration points to guide the development of integration and interoperability considerations
- 8.3.6. A CDM of the current-state to capture key considerations for data quality, migration, and conversion
- 8.3.7. An Integration Data Model (IDM) of the current-state to capture key considerations for data integration, interoperability, and ownership
- 8.3.8. Analysis of the CDM and IDM (Data Mapping and Gap Analysis) to guide the development of considerations for data management of the target-state

8.4. Project Specifications

In addition to the Pre-DDI DMP and other architecture tools, the Project has developed a very robust set of Project Specifications as part of the procurement for SSI services that specifies the services, key activities, deliverables, supporting tools, and expected results necessary to

transition from the current-state to target-state FMS. These Project Specifications will serve as the foundation for the development of the SSI Statement of Work. The negotiated and agreed-upon contract is expected to include the necessary implementation services and deliverables for data management (consistent with the SSI's approach) including architecture, infrastructure, hosting, design, interfaces, integration, conversion, testing, and migration.

During negotiations, data management roles and responsibilities should be determined with respect to State and SSI activities.

8.5. Data Management Initiatives

As previously mentioned, many aspects of data management can only be addressed once a solution for the target-state is identified. The Project anticipates the development of a DDI DMP, based on the Pre-DDI DMP, to address these details when the FMS data management capabilities are known. Some examples of future elements that may be included in a DDI DMP are:

- 8.5.1. Developing, refining, and maintaining conceptual, logical, and physical data models of the target-state
- 8.5.2. Developing, refining, and maintaining integration data models of the target-state
- 8.5.3. Developing an in-depth integration and interface gap analysis of the target-state
- 8.5.4. Developing and approving data administration and management models, policies, standards, and procedures including data retention and defensible data deletion³⁸
- 8.5.5. Reviewing and approving the FMS data architecture, data models, and integration architecture
- 8.5.6. Defining data security and compliance standards, controls, and procedures including data access views and permissions
- 8.5.7. Development of a data reporting strategy
- 8.5.8. Identifying master and reference data sources and contributors including managing changes to reference and master data

8.6. Next Steps

The Project and DFS, as articulated in this Pre-DDI DMP, have conducted numerous activities around data management in preparation for the arrival of the target-state and the transformation it will bring to the business. To build on this work, the Project will:

- 8.6.1. Continue communicating with key stakeholders, including FFMIS and non-FFMIS agencies, the data management vision, challenges, risks, and strategy to overcome the challenges articulated in this Pre-DDI DMP
- 8.6.2. Continue supporting DFS data cleansing and standardization activities for key current-state data
- 8.6.3. Support the negotiation of considerations for data migration, conversion, security, and privacy as needed
- 8.6.4. Continue collaboration for lessons learned with entities that have migrated data from FLAIR/CMS (e.g., FSU, FAMU) to financial enterprise resource planning (ERP) solutions

8.6.5. Identify and execute key data readiness initiatives for Pre-DDI to support and prepare for the DDI phase

Data management planning for Florida PALM will be an ongoing initiative that will be strategically refined as the Project plans for, procures, designs, and ultimately implements the complete targetstate FMS.

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Attachment A: Florida PALM Architecture Principles

Name	Principle #1 – Presume Data Openness
Statement	The architecture should enable maximum transparency through exposed data for State stakeholders and citizens using standards-based mechanisms.
Rationale	Consistent with the CFO's mission and AST guidance on openness, the architecture should presume openness and enable stakeholders and citizens to access statewide data.
Implications	<ul style="list-style-type: none"> □ Provide full data transparency to State citizens and stakeholders • Leverage industry standard integration frameworks and patterns that enable efficient access to FMS data • Consideration of federal requirements (e.g., Digital Accountability and Transparency Act (DATA)) and their future applicability to make data more accessible, searchable, and reliable • If FMS data can be made publicly available for consumption and reuse, it should be

Name	Principle #2 – Secure Enterprise Data
Statement	The architecture must promote governance and clear ownership of any data including how it is defined, how and where the data can be used, what mechanisms are available to access it, and what systems and users have access.
Rationale	Data is an asset and must be secure, must be clearly defined, easily understood, readily available, and governed by the owner of the data.
Implications	<ul style="list-style-type: none"> □ Provide clear lines of responsibility and ownership for key FMS data, as well as the integration patterns provided to access this data • Provide architecture guidance, enforcement, and clear ownership mechanisms for complex data integration initiatives across DFS and agency systems • Promote proper data custodianship practices for users granted access to FMS data • Govern integration, security, and management of FMS data

Name

The architecture should favor centralization for core, standard business processes and data for common accounting and financial business processes.

Common systems prevent the proliferation of multiple systems and data storage for core functionality and master data.

- DFS, FFMIS, and stakeholders work towards common technology standards
- DFS and stakeholders work towards common business processes
- DFS should provide centralized core, standard systems
- For core business and financial processes, the architecture should discourage the proliferation of business systems that duplicate the core functionality of key FFMIS subsystems and would otherwise prevent a real-time or near real-time, statewide financial picture for Florida
- The Project should make every effort to avoid expanding its functional scope beyond what is articulated as in-scope in the Project PMP

Name	Principle #4 - Federate Non-Core Functions
Statement	The architecture should encourage federation for non-core, innovative business functions out of the scope of the core functionality of the targetstate.
Rationale	Flexible, federated frameworks and environments for stakeholders, citizen application enablement, and third-party application providers help to facilitate innovation.
Implications	<ul style="list-style-type: none"> □ Non-standard, innovative functions should be federated and performed by integrated stakeholder business systems • The architecture should have very clear, standard patterns for integrating • All aspects of the architecture should use modern technology and should remain as reasonably current as possible • Modernized technology shall attract and retain top talent to sustain/operate the system at the State • Federation mitigates the risk of the target-state expanding its functional scope beyond what is reasonable for a core FMS

Name

The architecture must provide the freshest data possible to enable decision making through real-time or near real-time mechanisms.

Provide stakeholder decision makers real-time or near real-time data access to support nimble decision making processes.

- State transaction processing system shall leverage standard and emerging technologies for near real-time or real-time data access (e.g., in-memory computing)
- State data warehouse systems shall leverage standard and emerging technologies for real-time or near real-time data reporting and analytics
- The freshest data should be made available including:
 - functions performed on target-state screens, ○ through provided reporting tools,
 - or through services to power agency and citizen applications

Name	Principle #6 – Avoid Duplication
Statement	The architecture should emphasize leveraging existing expertise and assets and avoid the duplication of effort, expertise, or data.
Rationale	Industry expertise, best practices, and innovation allows for the best technology value to be delivered to State citizens and staff.
Implications	<ul style="list-style-type: none"> □ Avoid recreating a function, or a component, if you can reuse instead • Avoid creating copies of data if it can be accessed through a service instead • Evaluate the most efficient development and delivery of an application before you build that application • Assess existing State resources before making decisions to build/buy • Leverage industry expertise for new solutions • Focus on simplified systems leveraging industry standards and best practices • De-duplication of architecture and data reduces risk

Name

Statement	The Architecture should support a solution that can be easily maintained and enhancement/upgrades (when needed) can be rapidly developed and deployed.
Rationale	The use of agile life cycle methods and practices for development facilitates solutions that meet requirements sooner and more accurately with frequent end-user involvement.
Implications	<ul style="list-style-type: none"> • Rapid prototyping and constant end-user engagement in addition to phased implementation approaches should be core philosophies for deploying the architecture • Agile practices should be leveraged to mitigate technical debt • Promote use of architecture patterns that minimizes or eliminates impacts to interoperability of third-party solutions • Minimizing customizations to COTS software • Minimizing point-to-point integrations • Minimizing the use of development methodologies that do not include early and often end user involvement

Description of Architecture Principle development:

The Florida PALM Architecture Principles were developed leveraging standard Enterprise Architecture frameworks like **TOGAF®** (Open Group). The approach and details on the Architecture principles are outlined below.

Name	Should both represent the essence of the rule, as well as be easy to remember
Statement	Should succinctly and unambiguously communicate the fundamental rule
Rationale	Should highlight the value to the enterprise and, therefore, provide a basis for justifying architecture activities
Implications	Should provide an outline of the key tasks, resources, and potential costs to the enterprise of following the principle. Should also provide valuable inputs to future transition initiative and planning activities

Attachment B: FLAIR/CMS Current-State Interfaces

An inventory of the current-state (legacy) interfaces between FLAIR, Treasury/CMS, and other State and external third-party systems is listed below in Table 3. This list was developed using available information provided by DFS OIT and from other stakeholders as of 06/20/2017. It does not include information about system interactions that do not directly include either FLAIR or CMS. This list will be maintained over time to accommodate interfaces that are either retired or created (e.g., Statewide Travel Management System).

A description of the fields included in the Inventory of FLAIR/CMS Current-State Interfaces is listed in Table 1. System acronyms used in the Source System/Organization and Target System/Organization columns are listed in Table 2.

System Acronym	System Name
LAS/PBS	Legislative Appropriation System/Planning and Budgeting Subsystem
MFMP	MyFloridaMarketPlace
FLAIR	Florida Accounting and Information Resource
CMS	Cash Management Subsystem

Table 1: Field Inventory of Current-State

CMS CRA	Consolidated Revolving Accounts component
CDs	Certificates of Deposit
SPIA	Special Purpose Investment Account

descriptions for the FLAIR/CMS Interfaces

Field	Description
Internal ID	Unique identifier created for internal DMP purposes
Interface Name	The name or description of the current interface
Source System / Organization	Initiating entity and/or system
Target System / Organization	Receiving entity and/or system
Frequency / Triggering Event	How often the interface is sent/received (e.g., Weekly) or the event that initiates it (e.g., Payroll – Supplemental). Multiple frequencies for a single interface will be listed with commas (e.g., Multiple - Daily, Weekly, Monthly). Additional clarification will be included in parentheses (e.g., Annual (September)).

Table 2: System acronyms used in the Source System/Organization and Target System/Organization columns

System Acronym	System Name
CAP	Collateral Administration Program
FACTS	Florida Accountability Contract Tracking System
UPMIS	Unclaimed Property Management Information System

Table 3: Inventory of FLAIR/CMS Current-State Interfaces

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
999224130	Approved Carry/Certified Forward File from EOG	EOG - LAS/PBS	DFS - FLAIR Central	Annual (September)
999224162	Loading EOG LEG Codes for use by State Accounts/Agencies to set up New Account Codes for new Fiscal Year	EOG - LAS/PBS	DFS - FLAIR Central	Annual

999224151	Reads Budget Balances Work File from EOG	EOG - LAS/PBS	DFS - FLAIR Central	Monthly
999224135	Verifies detail totals against header totals on incoming EOG Budget Amendment load file	EOG - LAS/PBS	DFS - FLAIR Central	Daily
999224132	Verifies detail totals against Header totals on incoming EOG load file	EOG - LAS/PBS	DFS - FLAIR Central	Annual
999224352	Budget Entity Title Add/Update	EOG - LAS/PBS	DFS - FLAIR Departmental	Daily
999224330	Budget Entity/State Program Combination Add/Update	EOG - LAS/PBS	DFS - FLAIR Departmental	Daily
999224345	Catalog of State Financial Assistance (CSFA) Add/Update	EOG - LAS/PBS	DFS - FLAIR Departmental	On Demand
999224353	Category Title Add/Update	EOG - LAS/PBS	DFS - FLAIR Departmental	On Demand
999224340	CFDA Add/Update	EOG - LAS/PBS	DFS - FLAIR Departmental	On Demand
999224354	State Program Title Add/Update	EOG - LAS/PBS	DFS - FLAIR Departmental	On Demand

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999039	Carry Forward Reversions	DFS - FLAIR Central	EOG - LAS/PBS	Annual (September)
224999321	Expenditure Data	DFS - FLAIR Departmental	EOG - LAS/PBS	Annual (July or August)
224999225	Carry/Certified Forward Requests	DFS - FLAIR Departmental	EOG - LAS/PBS	Annual (July or August)
224999073	Disbursement Balances Work File	DFS - FLAIR Central	EOG - LAS/PBS	Multiple - Daily, Dual Year

224999674	Unreserved Fund Balances (Actual Prior Year)	DFS - FLAIR Departmental, DFS – Division of Accounting & Auditing	EOG - LAS/PBS	Annual (February or March)
224999675	PDF Report: Beginning Trial Balance	DFS - FLAIR Departmental, DFS – Division of Accounting & Auditing	EOG - LAS/PBS	Annual
224999676	Tentative Certifications Forward (Unexpended Release Balances)	DFS - FLAIR Central	EOG - LAS/PBS	Annual (July)
224999677	Direct access to FLAIR Information Warehouse data	DFS - FLAIR Information Warehouse	EOG - LAS/PBS, EOG - Transparency Florida Website, Agencies	Daily, On Demand
999224361	Statewide vendor file record additions/updates/inactivations	DMS - MFMP	DFS - FLAIR Departmental	Monday - Saturday
999224372	Encumbrance creation (TR60 S)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224373	Encumbrance update (TR6S U)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224374	Encumbrance deletion (TR6S U/D)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
999224665	Unencumbered disbursement pre-validation (TR51 E)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224367	Unencumbered disbursement creation (TR51 S)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time

999224368	Unencumbered disbursement deletion (TR51 I/U/D)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224666	Payable disbursement pre-validation (TR53 E)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224369	Payable disbursement creation (TR53 S)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224667	Payable disbursement deletion (TR53 I/U/D)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224668	Encumbered disbursement pre-validation (TR70 E)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224370	Encumbered disbursement creation (TR70 S)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224371	Encumbered disbursement deletion (TR70 I/U/D)	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224669	Confirmation of HA LPAR availability	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224670	Confirmation of NA LPAR availability	DMS - MFMP	DFS - FLAIR Departmental	Real-Time
999224481	MFMP Extract for Payment Reconciliation	DMS - MFMP	DFS - FLAIR Information Warehouse	Monthly
224999082	Account Description Extract	DFS - FLAIR Central	DMS - MFMP	Monday - Friday
224999120	MFMP Limit Extract	DFS - FLAIR Central	DMS - MFMP	Monday - Friday
224999035	Working Days Extract	DFS - FLAIR Central	DMS - MFMP	Annual (January)

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
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224999119	MFMP Central Error Extract	DFS - FLAIR Central	DMS - MFMP	Monday - Friday
224999118	MFMP Warrant Extract	DFS - FLAIR Central	DMS - MFMP	Monday - Friday
224999256	Correlation Extract	DFS - FLAIR Departmental	DMS - MFMP	Monday - Friday
224999324	Errors from Daily Add/Update/Inactivate of MFMP Vendors	DFS - FLAIR Departmental	DMS - MFMP	Monday - Saturday
224999263	Expansion Option Extract	DFS - FLAIR Departmental	DMS - MFMP	Monday - Friday
224999265	Expansion Set Extract	DFS - FLAIR Departmental	DMS - MFMP	Monday - Friday
224999236	MFMP Disbursement Errors	DFS - FLAIR Departmental	DMS - MFMP	Monday - Friday
224999237	MFMP Disbursement Vouchers	DFS - FLAIR Departmental	DMS - MFMP	Monday - Friday
224999260	MFMP Encumbrance Extract	DFS - FLAIR Departmental	DMS - MFMP	Weekly
224999224	MFMP Encumbrances marked for Certified Forward	DFS - FLAIR Departmental	DMS - MFMP	Annual (Fiscal Year End Closing)
224999323	Statewide Vendor Extract	DFS - FLAIR Departmental	DMS - MFMP	Monday - Saturday
224999289	Title Extract	DFS - FLAIR Departmental	DMS - MFMP	Monday - Friday
224999401	MFMP Payment Reconciliation - Duplicate Extract	DFS - FLAIR Information Warehouse	DMS - MFMP	Monthly
224999400	MFMP Payment Reconciliation - Mismatch Extract	DFS - FLAIR Information Warehouse	DMS - MFMP	Monthly

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999399	MFMP Payment Reconciliation - Disbursement Correction Extract (TR58)	DFS - FLAIR Information Warehouse	DMS - MFMP	Monthly
224999402	MFMP Payment Reconciliation - Not Found Extract	DFS - FLAIR Information Warehouse	DMS - MFMP	Monthly
224999390	Vendor Payment History	DFS - FLAIR Information Warehouse	DMS - MFMP	Monthly
999224147	Loading Agency input expense voucher data to transactions file for Audit	DMS - People First	DFS - FLAIR Central	Daily
999224610	F0001 processing	DMS - People First	DFS - FLAIR Payroll	Payroll - Biweekly, Monthly, Supplemental, CJIP
999224615	Health savings account refunds/reversals	DMS - People First	DFS - FLAIR Payroll	Payroll - Supplemental
999224599	Mass add of CJIP authorization records	DMS - People First	DFS - FLAIR Payroll	Payroll - Day before CJIP payroll
999224605	Pretax Benefits (insurance) file processing	DMS - People First	DFS - FLAIR Payroll	Payroll - Biweekly, Monthly, Supplemental
999224598	Privacy file load	DMS - People First	DFS - FLAIR Payroll	Sunday - Friday
224999083	Account Description file	DFS - FLAIR Central	DMS - People First	Daily (twice)
224999057	Bank Title file	DFS - FLAIR Central	DMS - People First	Daily
224999055	Central Merged Authorization file	DFS - FLAIR Central	DMS - People First	Daily

224999054	EFT Authorization Purge file	DFS - FLAIR Central	DMS - People First	Monthly
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Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999545	CJIP master file	DFS - FLAIR Payroll	DMS - People First	Weekly
224999579	Flexible spending account file	DFS - FLAIR Payroll	DMS - People First	Daily, Payroll - Biweekly, Monthly, On Demand
224999582	Health/life insurance processed through payroll	DFS - FLAIR Payroll	DMS - People First, DMS - Division of State Group Insurance	Payroll - Monthly, Biweekly, Supplemental, On Demand
224999566	Reason code file	DFS - FLAIR Payroll	DMS - People First	Monday - Friday
224999001	Master Balance file with Certified Forwards	DFS - FLAIR Central	Auditor General	Annual (September)
224999002	Delimited File of Outstanding Warrant Records for AG's Office	DFS - FLAIR Central	Auditor General	Annual (July)
224999003	Delimited File of Outstanding Warrant Records for SWFS	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (July)
224999004	Expenditures by Object Code	DFS - FLAIR Central	US Department of Commerce	Annual (Final Close)
224999005	Revenue by Object Code	DFS - FLAIR Central	US Department of Commerce	Annual (Final Close)
224999006	FLAIR Titles	DFS - FLAIR Central	US Department of Commerce	Annual (Final Close)

224999007	June Master Balance data	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (July)
224999008	Treasury Investment Work file	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (August or September)

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999009	Master Balance File after Posting of Approved Certified Forwards	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999010	Reads incoming Approved Certified Forward file from EOG	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999011	Delimited file Revenue by Fund - SWFS for GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999012	Delimited file Revenue by Fund - For SWFS/30XXXX	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999013	Delimited file Revenue by Fund - SWFS for GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999014	Delimited file Revenue by Fund - For SWFS/30XXXX	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999015	Delimited file Ending Fund Balances for SWFS, GAAF, State fund 1	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)

224999016	Delimited file Ending Fund Balances for SWFS, GAAF, State fund 2	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999017	Delimited file of Beginning Balance for SWFS, GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999018	Delimited file of Beginning Balance - For SWFS/30XXXX	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999019	Delimited file of End Balance & Budget Basis as text for SWFS, GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999020	Delimited file of End Balance & Budget Basis as text - For SWFS/30XXXX	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999021	Ending Fund Balance Reports for State Fund 1	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999022	Ending Fund Balance Reports for State Fund 2	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999023	Annual Budgetary Basis Expenditures	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999024	Delimited file of Annual Budget Basis Expenditures for SWFS, GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)

224999025	Delimited file of Annual Budget Basis Expenditures - For SWFS/30XXXX	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999026	Delimited file of Budgeted Expenditures for State Fund 1 for SWFS, GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999027	Delimited file of Budgeted Expenditures for State Fund 2 for SWFS, GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999028	Delimited file of Actual Expenditures for State Fund 1 for SWFS, GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999029	Delimited file of Actual Expenditures for State Fund 2 for SWFS, GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999030	Delimited file Beginning Fund Balances State Fund 1 for SWFS, GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999031	Delimited file Beginning Fund Balances State Fund 2 for SWFS, GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999032	Delimited file State Fund 1 Reversions for SWFS, GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)
224999033	Delimited file State Fund 2 Reversions for SWFS, GAAFR	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (September)

224999034	Statewide GAAFR Trial Balance Report	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Annual (Final Close)
224999036	Year-end Cash Management Payment file	DFS - FLAIR Central	Auditor General	Annual (March)
224999037	Year-end Cash Management Criteria file	DFS - FLAIR Central	Auditor General	Annual (March)
224999038	Outstanding Warrant data	DFS - FLAIR Central	DFS- Accounting & Auditing Website	Monthly
224224040	Emergency Replacement Warrants	DFS - FLAIR Central	DFS - FLAIR Payroll	On Demand
224999041	Prenotes	DFS - FLAIR Central	Wells Fargo	On Demand
224999042	Prenotes FTP for Retired Transit Routing Numbers	DFS - FLAIR Central	Wells Fargo	On Demand
224999043	Regular Payroll EFTs (Biweekly, Supplemental (bi-weekly), CJIP (monthly))	DFS - FLAIR Central	Wells Fargo	Scheduled

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999044	EFTs, On Demand	DFS - FLAIR Central	Wells Fargo	Daily
224999045	Credit EFT (Monthly Pay and Monthly Ret.)	DFS - FLAIR Central	Wells Fargo	Monthly
224999046	Corrected Monthly Payroll Payments file	DFS - FLAIR Central	Wells Fargo	On Demand
224999047	Corrected Monthly Retirement Payments file	DFS - FLAIR Central	Wells Fargo	On Demand
224999048	SAD Payroll	DFS - FLAIR Central	Wells Fargo	On Demand

224999049	Class 'C' Payroll Payments	DFS - FLAIR Central	Wells Fargo	On Demand
224999050	Collections EFT	DFS - FLAIR Central	Wells Fargo	Weekly
224999051	Retirement Revoked Authorizations	DFS - FLAIR Central	DMS - Division of Retirement	Monthly
224999052	Matched EFT Authorization Purge file	DFS - FLAIR Central	DMS - Division of Retirement	Monthly
224999053	Central Merged Authorization file	DFS - FLAIR Central	DMS - Division of Retirement	Daily
224999056	Bank Title file	DFS - FLAIR Central	DMS - Division of Retirement	Daily
224999058	Warrant and EFT Image data	DFS - FLAIR Central	DMS - Division of Retirement	Monthly
224999059	Reversal Records -ACH Tape to Wells Fargo	DFS - FLAIR Central	Wells Fargo	On Demand
224440060	Public Assistance Abandoned Property	DFS - FLAIR Central	DFS - UPMIS	Monthly
224999061	Master Balance	DFS - FLAIR Central	Agencies	Multiple - Daily (Dual Year), Monthly (Final Close)

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999062	HAC Access Control file	DFS - FLAIR Central	Auditor General	Monthly
224999063	NAC Access Control file	DFS - FLAIR Central	Auditor General	Monthly
224999064	HAC Access Control Log file	DFS - FLAIR Central	Auditor General	Monthly

224999065	NAC Access Control Log file	DFS - FLAIR Central	Auditor General	Monthly
224999066	All records on the Access Control file	DFS - FLAIR Central	Auditor General	Monthly
224999067	Master Balance files	DFS - FLAIR Central	Auditor General	Multiple - Monthly, Final Close
224999068	Payment Detail Purge file	DFS - FLAIR Central	Auditor General	Monthly
224999069	Reconciliation Purge file	DFS - FLAIR Central	Auditor General	Monthly
224999070	Transaction History	DFS - FLAIR Central	Agencies	Multiple - Monthly, Final Close
224999071	Transaction file	DFS - FLAIR Central	Auditor General	Monthly
224999072	Monthly changes to the Access Control file	DFS - FLAIR Central	Auditor General	Monthly
224999074	Project Florida Reconciliation work file	DFS - FLAIR Central	DCF	On Demand
224224075	12 Month Warrant Cancel and Reissue work file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Monthly
224999076	Master Balance	DFS - FLAIR Central	Agencies	Multiple - Monthly, Preliminary Close
224224077	Master Balance and Transaction Detail files	DFS - FLAIR Central	DFS - FLAIR Departmental	Multiple - Monthly, Annually

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224078	3 Month Old Warrant Outstanding work file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Monthly

224999079	Access Control file	DFS - FLAIR Central	DEP	Daily
224440080	Abandoned Property	DFS - FLAIR Central	DFS - UPMIS	Multiple - Daily, Monthly, First Nightly
224999081	Account Description file	DFS - FLAIR Central	EOG	Daily
224999084	Transaction History	DFS - FLAIR Central	Agencies	Annual
224999085	Transaction History	DFS - FLAIR Central	Agencies	Multiple - Daily, Dual Year, Opening Entries
224999086	Office of Foreign Assets Control (OFAC) Monthly file	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Monthly
224999087	Expense	DFS - FLAIR Central	Wells Fargo	Daily
224999088	Flag data (not FTP'd, picked up from server)	DFS - FLAIR Central	DOR	Daily
224224089	Transaction History	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	On Demand
224224090	Access Control file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224091	Code file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224092	EFT Authorization file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224093	EFT Payment Detail file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224094	Master Balance file with Account Descript.	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Multiple - Daily, First night of Dual Year
224224095	Statistical Sampling work file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224096	Invoice History files	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	First Night of Dual Year
224224097	Transaction History files	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	First Night of Dual Year
224224098	Pending Transaction data	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224099	Pending Invoice data	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224100	Transaction file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224101	Auto Posted History Transaction	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily

224224102	Auto Posted Invoice History work file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
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Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224103	Auto Posted Invoice Count work file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224104	Vendor Flag file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224105	1099 Vendor Information file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224106	W9 file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224107	Reconciliation file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224999108	Master Balance without Account Description Title	DFS - FLAIR Central	Agencies	Multiple - Daily, Monthly, Final Close
224999109	Master Balance	DFS - FLAIR Central	EOG	Multiple - Monthly, Preliminary Close
224999110	Master Balance with Account Description Title	DFS - FLAIR Central	Agencies	Multiple - Daily, Monthly, Preliminary Close
224999111	Creates Delimited file from Office of Foreign Assets Control (OFAC) for A&A	DFS - FLAIR Central	DFS - Division of Accounting & Auditing	Daily

224999112	Payment data	DFS - FLAIR Central	Lexis-Nexis for OFAC	Daily
224999113	Warrants issued, cancelled, or stopped	DFS - FLAIR Central	Wells Fargo	Daily
224224114	Status Reason Code file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999115	Reconciliation file of Retirement Records	DFS - FLAIR Central	DMS - Division of Retirement	Daily
224224116	Statistical Sampling file	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	First Night of Dual Year
224224117	Purchasing Card Records Revenue to Revenue Records	DFS - FLAIR Central	DFS - FLAIR Departmental	Daily
224224121	Revenue to Revenue Records Posted	DFS - FLAIR Central	DFS - FLAIR Departmental	Daily
224224122	Revenue to Revenue Records Deleted	DFS - FLAIR Central	DFS - FLAIR Departmental	Daily
224999123	IRS 1099 Corrections File	DFS - FLAIR Central	US Internal Revenue Service	Annual (March)
224999124	IRS 1099 Original Reporting File	DFS - FLAIR Central	US Internal Revenue Service	Biannual (March, July)
224999125	Sorted W-9 TIN Matching work file	DFS - FLAIR Central	US Internal Revenue Service	Daily
224999126	Supplemental Warrant Image data	DFS - FLAIR Central	DMS - Division of Retirement	Weekly
224999127	Rejects	DFS - FLAIR Central	DFS - Division of Risk Management	Daily

224999128	Rejects	DFS - FLAIR Central	DOE	Daily
224224129	Reads incoming file of Transactions of Expenditures (for Annual Budgetary Basis Expenditures Report)	DFS - FLAIR Information Warehouse	DFS - FLAIR Central	Annual
999224131	Edits Warrant Cancellation File received	DCF, DMS, DEO	DFS - FLAIR Central	Multiple - Weekly, Biweekly, On Demand
999224133	Edit and loading file input from Department of Revenue to Vendor Flag File and creation of FTP file back to DOR	DOR	DFS - FLAIR Central	Weekly

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
999224134	Load and post DOT Carry Forward transactions received via FTP	DOT	DFS - FLAIR Central	Annual (September)
224224136	Loading Payroll Warrant Cancellations and Adjustments	DFS - FLAIR Payroll	DFS - FLAIR Central	Daily
999224137	Loading Agency input expense voucher data to transactions file for Audit	DOR, DEO, DOE, DFS	DFS - FLAIR Central	Daily, On Demand
999224138	Loading file input Payroll (Subsystem 'I') and Journal Transfers (Subsystem 'H') data to Comptroller's files	DOH, DFS - FLAIR Payroll	DFS - FLAIR Central	On Demand
999224139	Edit of Retirement Benefit file input and determination of payment method	DMS - Division of Retirement	DFS - FLAIR Central	Monthly
999224140	Supplemental Retirement payment file load	DMS - Division of Retirement	DFS - FLAIR Central	Weekly
999224141	Load for Unemployment Compensation Payments	DEO	DFS - FLAIR Central	Daily

999224142	Electronic transmission load of Public Assistance input payments files; DCF sends trigger files (1) Public Assistance Optional State Supplementation (OSS) Payment File) (2) Emergency Federal Housing Assistance Program (EFHAP) Payment file to Central	DCF	DFS - FLAIR Central	Multiple - Biweekly, On Demand
224224143	Verification and Balancing input processed in Central for a Payroll; The input to this process is a Salary Disbursement file from Payroll, a Payroll Verification Disk from Payroll, an EFT Payment File from Payroll, and a Payroll Posting Tape.	DFS - FLAIR Payroll	DFS - FLAIR Central	Daily, Payroll - Biweekly, Monthly, On Demand
224224144	Treasurer's Receipts load and post process	DFS - FLAIR Departmental	DFS - FLAIR Central	Daily
999224145	Nightly processing of returns received from ACH Settlement Bank	Wells Fargo	DFS - FLAIR Central	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
999224146	Batch load of records to the EFT Authorization file – Division of Retirement (FRS)	DMS - Division of Retirement	DFS - FLAIR Central	Daily
999224148	Batch load of the EFT Bank Title file	US Federal Reserve	DFS - FLAIR Central	Monthly
224224149	EFT Payroll Cancellations and automated update of EFT Payment Detail file	DFS - FLAIR Payroll	DFS - FLAIR Central	Daily
999224150	Batch load of records to the EFT Authorization file – Department of Military Affairs SAD Payroll	DMA	DFS - FLAIR Central	On Demand
999224152	Read incoming file from Office of Foreign Assets Control (OFAC)	Lexis-Nexis for OFAC	DFS - FLAIR Central	Daily
999224153	Receiving and processing response files from contractor for monitoring Patriot Act compliance	Lexis-Nexis for OFAC	DFS - FLAIR Central	Multiple - Daily, Monthly

224224154	Processes 2 incoming files of invoices selected for audit by random selection	DFS - FLAIR Departmental	DFS - FLAIR Central	Daily
224224155	Pre-load Edit of Departmental Voucher transactions which meet the automatic load/post criteria	DFS - FLAIR Departmental	DFS - FLAIR Central	Daily
224224156	(1) Load of Departmental Revenue to Revenue transactions to Central's transaction file (CTRF01); (2) Load/post of Departmental Revenue to Revenue transactions	DFS - FLAIR Departmental	DFS - FLAIR Central	Daily
999224157	Reading and processing 1099 error CD or paper printout from the Internal Revenue Service; A&A emailed txt files to Central and Central uploaded to a dataset used in CVNJTPM, and then CVNJTP2, CVNJTP3	US Internal Revenue Service (via DFS – Division of Accounting and Auditing)	DFS - FLAIR Central	Annual
224224158	File used for counts of active and inactive records on the W9 Security file	DFS - FLAIR Information Warehouse	DFS - FLAIR Central	Monthly

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
999224159	IRS TIN Matching program results and updates to W-9 files and Statewide Vendor file	US Internal Revenue Service (via DFS – Division of Accounting and Auditing)	DFS - FLAIR Central	Daily
224224160	Loading Departmental Accounting data to the Comptroller's Pending File - JT'S	DFS - FLAIR Departmental	DFS - FLAIR Central	Daily
224224161	Loading Departmental Accounting Payment Voucher transactions to the Central Accounting System Transaction file (CTRF01)	DFS - FLAIR Departmental	DFS - FLAIR Central	Daily

224224163	Load/Pre-Edit of Departmental Accounting JT'S	DFS - FLAIR Departmental	DFS - FLAIR Central	Daily
999224164	Loading Agency input expense voucher data to transactions file for Audit	DFS - Division of Risk Management	DFS - FLAIR Central	Daily
999224165	McKay scholarship; input of expense voucher data with Posting	DOE	DFS - FLAIR Central	Multiple - Quarterly, On Demand
224426166	Manual Receipts and Debit Memos w/SWDN (JT Transactions) (Successful Postings from RECPF008.TXT)	DFS - FLAIR Central	DFS - CMS Cash Management System component	Daily
224433167	Treasury Error file (Posting Errors Trust Fund Disinvestment Journal Transfers)	DFS - FLAIR Central	DFS - CMS Disinvestments	Daily
224437168	Posted JT Transactions (Transfers)	DFS - FLAIR Central	DFS - CMS Fund Accounting	Multiple - Daily, First Nightly
224436169	Posted JT Transactions (Transfers)	DFS - FLAIR Central	DFS - CMS State Accounts	Multiple - Daily, First Nightly
224435170	Payments Issued to the SPIA	DFS - FLAIR Central	DFS - SPIA	Daily
224438171	Warrant Issue, Stops, Cancellations (Issued, Stopped and Cancelled Warrants)	DFS - FLAIR Central	DFS - CMS Warrants	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
436224172	Incoming Treasury Balance Summary File Register validation (Balance Register and Comptroller Summary)	DFS - CMS State Accounts	DFS - FLAIR Central	Monthly
438224173	Reconciliation file update - Treasurer's Paid file (Paid Warrants)	DFS - CMS Warrants	DFS - FLAIR Central	Daily
433224174	Load of Journal Transactions to Central Accounting Transaction File (CTRF01) for manual audit or automatic posting (Post Trust Fund Disinvestment Journal Transfer)	DFS - CMS Disinvestments	DFS - FLAIR Central	Daily

426224175	Load of Journal Transactions to Central Accounting Transaction File (CTRF01) for manual audit or automatic posting (Post Manual Treasury Receipts, Debit Memos and Adjustments)	DFS - CMS Cash Management System component	DFS - FLAIR Central	Daily
437224176	Reads incoming Treasury Investment file. (Fund Accounting Beginning Balance and Transactions (Trust Funds))	DFS - CMS Fund Accounting	DFS - FLAIR Central	Annual (On Demand)
224999177	Account Description Extract - Delimited	DFS - FLAIR Departmental	Auditor General	Monthly
224999178	Accounts Payable Extract	DFS - FLAIR Departmental	Auditor General	Annual (July or August)
224999179	Accounts Payable Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999180	Accounts Payable Extract	DFS - FLAIR Departmental	EOG	Annual (July or August)
224999181	Accounts Receivable Extract	DFS - FLAIR Departmental	Auditor General	Annual (July or August)
224999182	Accounts Receivable Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224183	Accounts Payable Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224184	Accounts Receivable Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday

224224185	Auto Pay Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224186	Cash Receipts Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224187	Contact Information Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224188	Encumbrance Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224189	Expansion Option Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224190	Expansion Set Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224191	General Ledger Master Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224192	Grant Information Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224193	Grant Master Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday

224224194	Purchasing Card Administrative Unit Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224195	Purchasing Card Administrative Unit Log Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224196	Purchasing Card Approver Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224197	Purchasing Card Approver Log Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224198	Purchasing Card Car Rental Detail Data Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224199	Purchasing Card Card Change Profile Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224200	Purchasing Card Card Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224201	Purchasing Card Card Log Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224202	Purchasing Card Charge Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
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224224203	Purchasing Card Charge Log Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224204	Purchasing Card Distribution Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224205	Purchasing Card Distribution Log Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224206	Purchasing Card Item Detail Data Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224207	Purchasing Card Lodging Detail Data Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224208	Purchasing Card MCC Set ID Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224209	Purchasing Card MCC Set ID Log Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224210	Purchasing Card MCC Set Range Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224211	Purchasing Card MCC Set Range Log Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224212	Purchasing Card MCC Sets Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224213	Purchasing Card MCC Sets Log Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224214	Purchasing Card Person Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224215	Purchasing Card Person Log Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224216	Purchasing Card Air Travel Detail Data Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224217	Revolving Fund Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224999218	Purchasing Card Changes	DFS - FLAIR Departmental	Bank of America	Monday - Friday
224230219	CFDA Extract	DFS - FLAIR Departmental	DFS - FACTS	Monday - Friday
224230220	Catalog of State Financial Assistance (CSFA) Extract	DFS - FLAIR Departmental	DFS - FACTS	Monday - Friday
224230221	Errors from FACTS Contract Add/Update	DFS - FLAIR Departmental	DFS - FACTS	Monday - Friday
224230222	Errors from FACTS Correlation Add/Update	DFS - FLAIR Departmental	DFS - FACTS	Monday - Friday
224224223	Verified Receipts	DFS - FLAIR Departmental	DFS - FLAIR Central	Monday - Friday
224999226	Batch Errors	DFS - FLAIR Departmental	Agencies	Daily

224999227	Accounts Receivable Extract	DFS - FLAIR Departmental	EOG	Annual (July or August)
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Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999228	Encumbrance Extract	DFS - FLAIR Departmental	Auditor General	Annual (July or August)
224999229	FCO Projects Extract	DFS - FLAIR Departmental	Auditor General	Annual (July or August)
224230230	Purged Contracts	DFS - FLAIR Departmental	DFS - FACTS	Biannual (January, June)
224230231	Purged Grants	DFS - FLAIR Departmental	DFS - FACTS	Biannual (January, June)
224224232	Grant and General Ledger History Daily Posting	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224224233	Certified Forward General Ledger History Posting	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	On Demand
224224234	Fiscal Year Closing General Ledger and Grant History Posting	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Annual (Fiscal Year End Closing)
224224235	Fiscal Year Opening General Ledger and Grant History Posting	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Annual (Fiscal Year End Closing)
224999238	Available Balance Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999239	Access Control Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand

224999240	Access Control Extract - Delimited	DFS - FLAIR Departmental	Auditor General	Monthly
224999241	Access Control History Extract - Delimited	DFS - FLAIR Departmental	Auditor General	Monthly
224999242	Copy of Monthly Accounts Payable GDG - delimited	DFS - FLAIR Departmental	Agencies	Multiple - Monthly, Annual

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999243	Copy of Monthly Accounts Receivable GDG	DFS - FLAIR Departmental	Agencies	Multiple - Monthly, Annual
224999244	Copy of Monthly Closing Accounts Payable GDG	DFS - FLAIR Departmental	Agencies	Monthly
224999245	Copy of Monthly Closing Accounts Receivable GDG	DFS - FLAIR Departmental	Agencies	Monthly
224999246	Grant Master Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999247	Copy of Monthly Closing Grant Master GDG - Delimited	DFS - FLAIR Departmental	Auditor General	Monthly
224999248	Copy of Yearly Closing Grant Master GDG - Delimited	DFS - FLAIR Departmental	Auditor General	Annual
224999249	Copy of Monthly or Yearly Closing Grant Master GDG	DFS - FLAIR Departmental	Agencies	Monthly
224999250	Grant History Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999251	Copy of Monthly Closing Grant History GDG - Delimited	DFS - FLAIR Departmental	Auditor General	Monthly
224999252	Copy of Yearly Closing Grant History GDG - Delimited	DFS - FLAIR Departmental	Auditor General	Annual

224999253	Contract Information Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999254	Contract Information Extract - Delimited	DFS - FLAIR Departmental	Auditor General	Monthly
224999255	Correlation Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999257	Cash Receipts Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999258	Director Manager Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999259	Encumbrance Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999261	Copy of Monthly Closing Encumbrance GDG	DFS - FLAIR Departmental	Agencies	Monthly
224999262	Expansion Option Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999264	Expansion Set Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999266	Grant Information Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand

224999267	Grant Information Extract - Delimited	DFS - FLAIR Departmental	Auditor General	Monthly
224999268	General Ledger Master Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999269	Copy of Monthly Closing General Ledger Master GDG - Delimited	DFS - FLAIR Departmental	Auditor General	Monthly
224999270	Copy of Yearly Closing General Ledger Master GDG - Delimited	DFS - FLAIR Departmental	Auditor General	Annual
224999271	Copy of Monthly or Yearly Closing General Ledger Master GDG	DFS - FLAIR Departmental	Agencies	Multiple - Monthly, Annual

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999272	Copy of Monthly or Yearly Closing General Ledger Master GDG	DFS - FLAIR Departmental	Agencies	Multiple - Monthly, Annual
224224273	Object Code Crosswalk Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday
224999274	Project Information Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999275	Project Amendment Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999276	Property Master Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999277	Property Master Extract - Delimited	DFS - FLAIR Departmental	Auditor General	On Demand

224999278	Copy of Monthly Closing Property Master GDG	DFS - FLAIR Departmental	Agencies	Monthly
224999279	Property History Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999280	Copy of December Monthly Closing Property History GDG	DFS - FLAIR Departmental	Agencies	Multiple - Monthly, December Closing
224999281	Property Pending Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999282	Property Pending Extract - Delimited	DFS - FLAIR Departmental	Auditor General	On Demand
224999283	Copy of Monthly Closing Property Pending GDG	DFS - FLAIR Departmental	Agencies	Monthly

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999284	Property Balance Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999285	Copy of Monthly Closing Property Balance GDG	DFS - FLAIR Departmental	Agencies	Monthly
224999286	Revolving Fund Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999287	Revenue to Revenue Detail Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999288	Title Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand

224999290	Title Extract - Delimited	DFS - FLAIR Departmental	Auditor General	Monthly
224999291	General Ledger History Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999292	Copy of Monthly Closing General Ledger History GDG - Delimited	DFS - FLAIR Departmental	Auditor General	Monthly
224999293	Copy of Yearly Closing General Ledger History GDG - Delimited	DFS - FLAIR Departmental	Auditor General	Annual
224999294	Copy of Monthly or Yearly Closing General Ledger History GDG	DFS - FLAIR Departmental	Agencies	Multiple - Monthly, Annual
224999295	Customer Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999296	Vendor Employee Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999297	Vendor Employee Extract - Delimited	DFS - FLAIR Departmental	Auditor General	On Demand
224999298	Minority Vendor Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224999299	Statewide Vendor Extract	DFS - FLAIR Departmental	Agencies	Multiple - Daily, Weekly, Monthly, Annual, On Demand
224224300	Statewide Vendor Extract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monday - Friday

224230301	Errors from FACTS Grant Add/Update	DFS - FLAIR Departmental	DFS - FACTS	Monday - Friday
224230302	Grant Receipt Daily Transactions	DFS - FLAIR Departmental	DFS - FACTS	Monday - Friday
224224303	Deleted Receipt Statewide Document Numbers	DFS - FLAIR Departmental	DFS - FLAIR Central	Monday - Friday
224224304	Vouchers for Audit	DFS - FLAIR Departmental	DFS - FLAIR Central	Monday - Friday
224224305	Vouchers for Auto Pay	DFS - FLAIR Departmental	DFS - FLAIR Central	Monday - Friday
224224306	JT Vouchers for Audit	DFS - FLAIR Departmental	DFS - FLAIR Central	Monday - Friday
224224307	JT Vouchers for Auto Pay	DFS - FLAIR Departmental	DFS - FLAIR Central	Monday - Friday
224224308	Deleted Disbursement Statewide Document Numbers	DFS - FLAIR Departmental	DFS - FLAIR Central	Monday - Friday
224224309	General Ledger History Posting from SemiAnnual General Ledger Master Purge	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Biannual (January, June)
224224310	Invoice and Random Sample Number Selected for Audit	DFS - FLAIR Departmental	DFS - FLAIR Central	Monday - Friday

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224311	Encumbrance Closing Balances from General Ledger Master	DFS - FLAIR Departmental	DFS - FLAIR Central	Annual (Fiscal Year End Closing)
224224312	Revenue to Revenue Vouchers for Audit	DFS - FLAIR Departmental	DFS - FLAIR Central	Monday - Friday
224224313	Revenue to Revenue Vouchers for Auto Pay	DFS - FLAIR Departmental	DFS - FLAIR Central	Monday - Friday

224230314	OLO Title Extract	DFS - FLAIR Departmental	DFS - FACTS	Monday - Friday
224230315	Recipient Type Title Extract	DFS - FLAIR Departmental	DFS - FACTS	Monday - Friday
999224316	Departmental Accounting Transactions via Batch Input	Agencies	DFS - FLAIR Departmental	On Demand
224999317	Copy of Yearly Closing Grant History GDG	DFS - FLAIR Departmental	Agencies	Annual
224999318	FCO Projects Extract	DFS - FLAIR Departmental	EOG	Annual (July or August)
224999319	Encumbrance Extract	DFS - FLAIR Departmental	EOG	Annual (July or August)
224230320	Contract Expenditure Daily Transactions	DFS - FLAIR Departmental	DFS - FACTS	Monday - Friday
224230322	Customer Extract	DFS - FLAIR Departmental	DFS - FACTS	Monday - Friday
224224325	Purchasing Card Disbursement Vouchers Posted in Central	DFS - FLAIR Central	DFS - FLAIR Departmental	Monday - Friday
999224326	Purchasing Card Charges	Bank of America	DFS - FLAIR Departmental	Monday - Friday
999224327	Purchasing Card Changes Response	Bank of America	DFS - FLAIR Departmental	Monday - Friday
230224328	FACTS Contract Add/Update	DFS - FACTS	DFS - FLAIR Departmental	Monday - Friday
999224329	Correlation Add	Agencies	DFS - FLAIR Departmental	On Demand

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
999224331	Correlation Update	Agencies	DFS - FLAIR Departmental	On Demand

230224332	FACTS Correlation Add/Update	DFS - FACTS	DFS - FLAIR Departmental	Monday - Friday
999224333	Property Master Status Update (8 to 4)	Agencies	DFS - FLAIR Departmental	On Demand
224224334	Disbursement Vouchers Deleted in Central	DFS - FLAIR Central	DFS - FLAIR Departmental	Monday - Friday
999224335	Expansion Option Add	Agencies	DFS - FLAIR Departmental	On Demand
999224336	Expansion Option Update	Agencies	DFS - FLAIR Departmental	On Demand
999224337	Expansion Set Add	Agencies	DFS - FLAIR Departmental	On Demand
999224338	Expansion Set Update	Agencies	DFS - FLAIR Departmental	On Demand
999224339	Property Master Update	Agencies	DFS - FLAIR Departmental	On Demand
230224341	FACTS Grant Add/Update	DFS - FACTS	DFS - FLAIR Departmental	Monday - Friday
999224342	Project Information Add	Agencies	DFS - FLAIR Departmental	On Demand
999224343	Project Information Update	Agencies	DFS - FLAIR Departmental	On Demand
224224344	Central Master Balance for Disbursement Reconciliation	DFS - FLAIR Central	DFS - FLAIR Departmental	Monthly
999224346	Revenue to Revenue Sending Side Add	Agencies	DFS - FLAIR Departmental	On Demand
999224347	Revenue to Revenue Receiving Side Add	Agencies	DFS - FLAIR Departmental	On Demand
224224348	Revenue to Revenue Vouchers Posted in Central	DFS - FLAIR Central	DFS - FLAIR Departmental	Monday - Friday

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224349	Revenue to Revenue Vouchers Deleted in Central	DFS - FLAIR Central	DFS - FLAIR Departmental	Monday - Friday
999224350	Title Add	Agencies	DFS - FLAIR Departmental	On Demand
999224351	Title Update	Agencies	DFS - FLAIR Departmental	On Demand
224224355	Class C Travel Transaction 51 and/or 52	DFS - FLAIR Payroll	DFS - FLAIR Departmental	On Demand
999224356	Customer Add	Agencies	DFS - FLAIR Departmental	On Demand
999224357	Customer Update	Agencies	DFS - FLAIR Departmental	On Demand
999224358	Vendor Employee Add	Agencies	DFS - FLAIR Departmental	On Demand
999224359	Vendor Employee Update	Agencies	DFS - FLAIR Departmental	On Demand
224224360	Vouchers Not Posted in Central due to Size	DFS - FLAIR Central	DFS - FLAIR Departmental	Monday - Friday
230224362	Vendors on FACTS Contacts and/or Grants	DFS - FACTS	DFS - FLAIR Departmental	Monthly
224224363	Central Transactions for Disbursement Reconciliation	DFS - FLAIR Central	DFS - FLAIR Departmental	Monthly
999224364	Property Master Non-Accounting Update	Agencies	DFS - FLAIR Departmental	On Demand
224426365	Verified Receipts (All Verified FLAIR transactions for the day)	DFS - FLAIR Departmental	DFS - CMS Cash Management System component	Monday - Friday

426224366	Deposits for Batch Verification (Match unverified Bank Transactions to FLAIR deposit transactions)	DFS - CMS Cash Management System component	DFS - FLAIR Departmental	Monday - Friday
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Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999377	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	AHCA	Daily
224999378	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	AHCA	Annual (June)
224999379	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	DACS	Daily
224999380	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	DACS	Annual (June)
224999381	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	DBPR	Daily
224999382	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	DBPR	Annual (June)
224999383	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	DEO	Daily
224999384	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	DEO	Annual (June)

224999385	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	DOE	Daily
224999386	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	DOE	Annual (June)

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999387	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	DMS	Daily
224999388	Derived Comptroller Account Balances	DFS - FLAIR Information Warehouse	DMS	Annual (June)
224999389	Statewide Vendor File	DFS - FLAIR Information Warehouse	JAC	Daily
224999391	Schedule of Allotment Balances	DFS - FLAIR Information Warehouse	EOG - Transparency Florida Website	Daily
224999392	Appropriation Ledger	DFS - FLAIR Information Warehouse	EOG - Transparency Florida Website	Daily
224999393	Daily Central Transaction Warrants	DFS - FLAIR Information Warehouse	EOG - Transparency Florida Website	Daily
224999394	Daily Cash, Receipts, and Disbursement Amounts	DFS - FLAIR Information Warehouse	EOG - Transparency Florida Website	Daily

224999395	Trust Fund Detail	DFS - FLAIR Information Warehouse	EOG - Transparency Florida Website	Daily
224999396	Organization Records	DFS - FLAIR Information Warehouse	EOG - Transparency Florida Website	Daily
224999397	Unencumbered Cash Balances	DFS - FLAIR Information Warehouse	EOG - Transparency Florida Website	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999398	Previous Month's Minority Vendor Transactions by OLO	DFS - FLAIR Information Warehouse	DMS	Monthly
224440403	Central Transactions	DFS - FLAIR Information Warehouse	DFS - UPMIS	Daily
224999404	Payments (currently EFT and warrants)	DFS - FLAIR Information Warehouse	DFS - Division of Risk Management	Daily
224224405	Privacy File	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Daily
224224406	Project Info File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224407	General Ledger Master File for Encumbrance Data	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

224224408	Central Master Balance File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	First night of Dual Year
224224409	Central Master Balance File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224410	Accounts Payable	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224411	Grant Master File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224412	Encumbrance File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224413	General Ledger Master File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224414	Central Access Control File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224415	Central Reason Code File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224416	Central Flagged Vendors File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily

224224417	Titles - Organization Level 1	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224418	Titles - Purchasing Card Standard Industrial Classification	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224419	Titles - Purchasing Card Status Charge Approval	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224420	Central History Transactions	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224421	Central Pending Transactions	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224422	Accounts Receivable	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224423	W4 History	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Daily
224224424	Contract Info File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224425	Departmental File Counts File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

224224426	Grant Information File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224427	Payroll Electronic Funds Transfer Collection Addenda File	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Daily
224224428	Central EFT Authorization File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224429	Payroll Warrant Issue File	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Daily
224224430	W4 History (nonresident alien file)	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Daily
224224431	Departmental Expansion Option Information File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224432	Departmental Expansion Set Information File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224433	Grant Info File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224434	Object Crosswalk File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Scheduled

224224435	Project Amendment File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224436	Revolving Fund	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224437	Departmental Voucher Auto Payment Information File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224438	Central 1099 Vendor Info File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224439	W2 File	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Scheduled
224224440	Payroll W2 Print File	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Annual
224224441	Central W9 Info File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224442	Purchasing Card Administrative Unit Log File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224443	Purchasing Card Administrative Unit File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

224224444	Purchasing Card Charge Air Travel	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224445	Purchasing Card Approver Log File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224446	Purchasing Card Approver File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224447	Purchasing Card Account Information File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224448	Purchasing Card Charge Car Rental	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224449	Purchasing Card Charge Air Travel	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224450	Purchasing Card Charge Car Rent.	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224451	Purchasing Card Card File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224452	Purchasing Card Distribution Log File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

224224453	Purchasing Card Charge File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224454	Purchasing Card Card Log File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224455	HAC Card Sic File (Purchasing Card)	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224456	NAC Card Sic File (Purchasing Card)	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224457	Purchasing Card Card Sic Log File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224458	Purchasing Card Disbursement Log	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224459	Purchasing Card Distribution File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224460	Purchasing Card Charge Item File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224461	Purchasing Card Charge Lodging	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
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224224462	Purchasing Card Profile Transaction File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224463	Purchasing Card Person Log File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224464	Purchasing Card Person File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224465	Purchasing Card Sic Range Log File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224466	Purchasing Card Sic Range File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224467	Purchasing Card Sic Set File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224468	Purchasing Card Sic Set Log File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224469	Statewide Vendor Purge File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Monthly
224224470	Property Custodian File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224471	Property History File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224472	Payroll Employee Information Web Statement File	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Annual
224224473	Property Master File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224474	Property Balance File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224475	Property Pending File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224476	New Balance Indicator File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224477	Central Transaction History Invoices	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224478	Central Transaction Pending Invoices	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224479	Payroll W2 Print Years File	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Annual
224224480	Reconcile Balance Amounts	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily

224224482	Totals Records	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Daily
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Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224483	Titles - Local Fund	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224484	Titles - State Fund	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224485	Titles - General Account Group	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224486	Titles - Agency Unique	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224487	Titles - Purchasing Card Corporate Account Number	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224488	Titles - Purchasing Card Approval Type	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224489	Titles - Category	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224490	Titles - Catalog of Federal Domestic Assistance	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

224224491	CFDA and CSFA Titles	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224492	Titles - Purchasing Card Company Number	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224493	Titles - County	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224494	Titles - Certified State Financial Assistance Code	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224495	Titles - Contract	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224496	Titles - Category External	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224497	Titles - Fund External Type	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224498	Titles - General External Type	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224499	Titles - Object External	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

224224500	Titles - Program External	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224501	Titles - Governmental Accounting, Auditing, and Financial Reporting Type	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224502	Titles - General Ledger Government Accounting, Auditing, and Financial Reporting Type	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224503	Titles - Grant	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224504	Titles - Purchasing Card Group	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224505	Titles - Budget Entity	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224506	Titles - Internal Budget Entity	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224507	Titles - Object	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224508	Titles - Other Cost Accumulator	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

224224509	Titles - Fund Source Original	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224510	Titles - Operating Level Organization	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224511	Titles - Property Disposition	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224512	Titles - Property Insurance Type	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224513	Titles - Project Identifier	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224514	Titles - Status Project	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224515	Titles - Project Type	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224516	Titles - Property Location	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224517	Titles - Property Class	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

224224518	Titles - Product Identifier	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224519	Payroll Deduction Code File	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Daily
224224520	Titles - Party Recipient Type	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224521	Titles - Site	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224522	Titles - Program State	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224523	EOG State Fund 4 File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224524	Titles - State Fund Type	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224525	Titles - State	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224526	Departmental Statewide Vendor Work File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily

224224527	Central Auto Posted Invoices	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224528	Central Auto Posted Transactions	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224529	Cash Receipts File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224530	Certified Forward Transaction File (TC 07)	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Scheduled
224224531	Fiscal Year Opening Entries Transaction File (TC 08)	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Scheduled
224224532	Fiscal Year Closing Entries Transaction File (TC 09)	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Scheduled

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224533	Semi-annual General Ledger Master Purge Transaction File (TC 10 & 11)	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Scheduled
224224534	Departmental Transaction File	DFS - FLAIR Departmental	DFS - FLAIR Information Warehouse	Daily
224224535	Earnings Statement Print File	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Daily

224224536	Central EFT Payments File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224537	Central Random Number File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224538	Central Reason Code Log File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224539	Salary Detail File	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Scheduled
224224540	Cancellations & Adjustments File	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Daily
224224541	Central Warrant Reconciliation File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Daily
224224542	Central Unclaimed Property Warrants File	DFS - FLAIR Central	DFS - FLAIR Information Warehouse	Monthly

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
437224543	Daily Investment Information (Trust Fund Investment Balances and Activity)	DFS - CMS Fund Accounting	DFS - FLAIR Information Warehouse	Daily
437224544	Monthly Investment & Interest (Trust Fund Investment Allocated Interest)	DFS - CMS Fund Accounting	DFS - FLAIR Information Warehouse	Monthly

224999546	Create various F0023's	DFS - FLAIR Payroll	SunGard, DMS - People First	Payroll - All, Daily with Cancellations
224999547	W2C reporting	DFS - FLAIR Payroll	US Internal Revenue Service, Social Security Administration	Quarterly
224999548	Access control	DFS - FLAIR Payroll	Auditor General	Monthly
224999549	Access Control History	DFS - FLAIR Payroll	Auditor General	Monthly
224224550	Cancellation Posting File	DFS - FLAIR Payroll	DFS - FLAIR Central	Monday - Friday
224999551	Monthly PCAD detail listing	DFS - FLAIR Payroll	Auditor General, DMS	Monthly
224224552	Collections Addendum records	DFS - FLAIR Payroll	DFS - FLAIR Central	When collections run
224224553	Collections Disbursement File	DFS - FLAIR Payroll	DFS - FLAIR Central	When collections run
224224554	Collections EFT file	DFS - FLAIR Payroll	DFS - FLAIR Central	When collections run
224224555	Collections posting file	DFS - FLAIR Payroll	DFS - FLAIR Central	When collections run
224224556	Disbursement file	DFS - FLAIR Payroll	DFS - FLAIR Central	Payroll - All
224999557	Names and addresses file	DFS - FLAIR Payroll	SunGard	Monthly

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999558	Monthly salary detail listing	DFS - FLAIR Payroll	Auditor General, DMS	Monthly

224999559	Annual Leave Payment History file	DFS - FLAIR Payroll	DMS	Monthly
224999560	Directory delimited file	DFS - FLAIR Payroll	Auditor General	Monthly
224999561	Delimited payroll register	DFS - FLAIR Payroll	EOG	Payroll - All
224999562	Year to date (PPYF01)	DFS - FLAIR Payroll	Auditor General	Monthly
224999563	EFT cancellations	DFS - FLAIR Payroll	Wells Fargo	On Demand
224999564	Employee list	DFS - FLAIR Payroll	DFS - Bureau of Deferred Compensation, DCF, First Florida Credit Union (formerly State Employees Credit Union)	Monthly
224999565	Unemployment compensation eligibility file	DFS - FLAIR Payroll	DEO	Monthly
224999567	OFAC file	DFS - FLAIR Payroll	Lexis-Nexis for OFAC	Tuesday - Saturday
224224568	PCAD file	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Monday - Friday
224999569	Salary positive pay file	DFS - FLAIR Payroll	Wells Fargo	Monday - Friday
224999570	Collections positive pay file	DFS - FLAIR Payroll	Wells Fargo	When collections run

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224571	PPYF01 totals record	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Monday - Friday
224999572	Cancellation F0013's	DFS - FLAIR Payroll	Agencies	Biweekly
224224573	Posting File	DFS - FLAIR Payroll	DFS - FLAIR Central	Payroll - All
224999574	F0013's	DFS - FLAIR Payroll	Agencies	Payroll - All
224224575	Verification File	DFS - FLAIR Payroll	DFS - FLAIR Central	Payroll - All
224999576	ORP reporting file	DFS - FLAIR Payroll	DMS - Division of Retirement	Biweekly
224999577	Monthly Retirement reporting	DFS - FLAIR Payroll	DMS - Division of Retirement	Monthly
224999578	Deferred comp errors	DFS - FLAIR Payroll	SunGard	Payroll - Biweekly, Monthly, Supplemental
224224580	Salary detail	DFS - FLAIR Payroll	DFS - FLAIR Information Warehouse	Monday - Friday
224999581	Employee listing	DFS - FLAIR Payroll	SunGard	Monthly
224999583	Salary detail unpack	DFS - FLAIR Payroll	DMS, AST	Payroll - All
224224584	Collections Verification File	DFS - FLAIR Payroll	DFS - FLAIR Central	When collections run

224999585	SSN Crossmatch file for defaulted student loans	DFS - FLAIR Payroll	Heartland Campus Solutions ECSI	Monthly
224999586	Employee information for United Way campaign	DFS - FLAIR Payroll	DMS	On Demand

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224999587	Vendor files	DFS - FLAIR Payroll	DCF	Payroll - All
224232588	Consolidated vendor file creation	DFS - FLAIR Payroll	DFS - Consolidated Vendor Website	Payroll - All
224999589	W2 reporting	DFS - FLAIR Payroll	US Internal Revenue Service, Social Security Administration	Annual
224999590	New hires	DFS - FLAIR Payroll	DOR	Weekly (Friday)
224999591	W4 data of employees with payments in the last 30 days	DFS - FLAIR Payroll	DOR	Weekly
224999592	W4 info of employees whose last warrant date is not more than 30 days old	DFS - FLAIR Payroll	DOR	Weekly (Friday)
224999593	Delimited W4's	DFS - FLAIR Payroll	Auditor General	Quarterly
224999594	Delimited totals by class code	DFS - FLAIR Payroll	DFS - Division of Risk Management	Monthly
224999595	Payroll data delimited in a transaction 58 format	DFS - FLAIR Payroll	FDVA	Payroll - Biweekly, Supplemental
999224596	F0001 and Account code	DMA	DFS - FLAIR Payroll	Payroll - Night before SAD payroll
224224597	Account code load	DFS - FLAIR Central	DFS - FLAIR Payroll	Monday - Friday

999224600	Deferred comp authorization file	SunGard	DFS - FLAIR Payroll	On Demand
999224601	OFAC file	Lexis-Nexis for OFAC	DFS - FLAIR Payroll	Monday - Friday
999224602	Load employee information file	DMS - Division of State Group Insurance, Legislature	DFS - FLAIR Payroll	Payroll - Biweekly, Monthly, Supplemental

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
224224603	Moving expense	DFS - FLAIR Central	DFS - FLAIR Payroll	Monday - Friday
999224604	Healthy Kids processing	Maximus	DFS - FLAIR Payroll	Multiple - Daily, Monthly
999224606	ORP authorization file load	DMS - Division of Retirement	DFS - FLAIR Payroll	Payroll - Biweekly
999224607	Process Hire back file (create F0001)	DHSMV	DFS - FLAIR Payroll	Payroll - Biweekly
999224608	Drop authorization file load	DMS - Division of Retirement	DFS - FLAIR Payroll	Monday - Friday
999224609	F0001 processing	Legislature	DFS - FLAIR Payroll	Payroll - Biweekly, Monthly, Supplemental
224224611	EFT authorization file load	DFS - FLAIR Central	DFS - FLAIR Payroll	Payroll - All
999224612	SSN list to create return crossmatch file	Heartland Campus Solutions ECSI	DFS - FLAIR Payroll	Monthly
999224613	W4 File	DMA	DFS - FLAIR Payroll	Payroll - Night before SAD payroll
999224614	W4 File	Legislature, DMS - Division of State Group Insurance	DFS - FLAIR Payroll	Daily (Legislature), Sunday - Friday (DMS)

427426616	Treasury Receipts for interest and matured principal (manual entry)	DFS - CDs	DFS - CMS Cash Management System component	Real-Time (Database Interface)
427425617	Posting Investment Principal	DFS - CDs	DFS - CMS Bank Accounts	Real-Time (Database Interface)
426425618	Posting of FLAIR accepted Treasury Receipts for Interest and Matured Principal	DFS - CMS Cash Management System component	DFS - CMS Bank Accounts	Real-Time (Database Interface)
437435619	Daily Summary Balance by Account File for SPIA Web Portal	DFS - CMS Fund Accounting	DFS - SPIA	Real-Time (Database Interface)

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
437435620	Direct Access to Fund Accounting Database for SPIA Web Portal Reports	DFS - CMS Fund Accounting	DFS - SPIA	Real-Time (Database Interface)
435437621	Recording Investments and Disinvestments to Database	DFS - SPIA	DFS - CMS Fund Accounting	Real-Time (Database Interface)
437425622	Posting Fees, Interest Earned, Investments and Disinvestments	DFS - CMS Fund Accounting	DFS - CMS Bank Accounts	Real-Time (Database Interface)
438424623	Paid Warrants and Stop Orders	DFS - CMS Warrants	DFS - Archives	Real-Time (Database Interface)
437424624	Trust Fund Investment Transactions	DFS - CMS Fund Accounting	DFS - Archives	Real-Time (Database Interface)
436424625	Balances, Transfers, Zero Treasury Receipts, Receipts, Adjustments, and Debit Memos	DFS - CMS State Accounts	DFS - Archives	Real-Time (Database Interface)
426436626	Receipts, Adjustments, and Debit Memos	DFS - CMS Cash Management System component	DFS - CMS State Accounts	Real-Time (Database Interface)

434424627	Investment Daily Reporting Data	DFS - CMS Investment Accounting	DFS - Archives	Real-Time (Database Interface)
437429628	Trust Fund Investment Transactions (interest/fees apportionment)	DFS - CMS Fund Accounting	DFS - CAP	Real-Time (Database Interface)
429437629	Trust Fund Investment Maintenance at the CAP Financial Institution level	DFS - CAP	DFS - CMS Fund Accounting	Real-Time (Database Interface)
426999630	DOR EFT Account Bank Transactions initiated from Bank of America	DFS - CMS Cash Management System component	DOR	Business Days - Bank
426999631	DOR EFT Account Bank Transactions initiated from Wells Fargo	DFS - CMS Cash Management System component	DOR	Business Days - Bank

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
999426632	DOR EFT Account Bank Transactions initiated from Bank of America updated with Agency, deposit type and Deposit Number assignment	DOR	DFS - CMS Cash Management System component	Business Days - Bank
999426633	DOR EFT Account Bank Transactions initiated from Wells Fargo updated with Agency, deposit type and Deposit Number assignment	DOR	DFS - CMS Cash Management System component	Business Days - Bank
999426634	DOR EFT Account Clerk of Court Bank Transaction initiated from Bank of America breakout of Agency and Deposit Number assignment	DOR	DFS - CMS Cash Management System component	Business Days - Bank
999426635	DOR EFT Account Credit Card Transactions initiated from Bank of America breakout of Agency and Deposit Number assignment	DOR	DFS - CMS Cash Management System component	Business Days - Bank

999426636	Paper return images	Wells Fargo	DFS - CMS Cash Management System component	Business Days - Bank
999426637	Paper return detail	Wells Fargo	DFS - CMS Cash Management System component	Business Days - Bank
999426638	Bank transactions	Bank of America	DFS - CMS Cash Management System component	Business Days - Bank
999426639	Bank transactions	Wells Fargo	DFS - CMS Cash Management System component	Business Days - Bank
999426640	ACH return detail	Bank of America	DFS - CMS Cash Management System component	Business Days - Bank
999426641	BOA Credit Card Detail file forwarded 'As Is' to various requesting Agencies	Bank of America - First Data	DFS - CMS Cash Management System component	Business Days - Bank

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
426999642	BOA Credit Card Detail file forwarded 'As Is' to various requesting Agencies	DFS - CMS Cash Management System component	Agencies	Business Days - Bank
999426643	BOA Credit Card Detail file renamed for use by DOR	Bank of America - First Data	DFS - CMS Cash Management System component	Business Days - Bank
426999644	BOA Credit Card Detail file renamed for use by DOR	DFS - CMS Cash Management System component	DOR	Business Days - Bank

999426645	AMEX Credit Card Detail file renamed for use by DOR	American Express	DFS - CMS Cash Management System component	Business Days - AMEX
426999646	AMEX Credit Card Detail file renamed for use by DOR	DFS - CMS Cash Management System component	DOR	Business Days - AMEX
426999647	Bank Transactions	DFS - CMS Cash Management System component	Agencies	Business Days - State
426999648	Bank Transactions including Wells Fargo Wire information	DFS - CMS Cash Management System component	Agencies	Business Days - State
426999649	ACH Notice of Change	DFS - CMS Cash Management System component	Agencies	Business Days - State

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
426999650	Debit Memos for returns and adjustments	DFS - CMS Cash Management System component	Agencies	Business Days - State
426999651	Debit Memos for returns and adjustments including Paper return images	DFS - CMS Cash Management System component	Agencies	Business Days - State
999426652	End of FY supplemental deposits for prior FY	DOR	DFS - CMS Cash Management System component	Annual

999426653	ACH deposit additional information	Bank of America	DFS - CMS Cash Management System component	Business Days - Bank
999426654	ACH and Wire deposit additional information	Wells Fargo	DFS - CMS Cash Management System component	Business Days - Bank
425999655	FY Bank Accounts transactions	DFS - CMS Bank Accounts	Auditor General	Annual (On Demand)
999431656	Consolidated Revolving Accounts Bank Transactions - pulled manually by Treasury	Wells Fargo	DFS - CMS CRA	Business Days - Bank
431999657	Consolidated Revolving Accounts DRM Bank Transactions	DFS - CMS CRA	DFS - Division of Risk Management	Business Days - Bank
437429658	Fund Accounting Balances (SPIA and Trust Funds)	DFS - CMS Fund Accounting	DFS - CAP	Monthly
437999659	Fund Accounting Balances (Trust Funds)	DFS - CMS Fund Accounting	Auditor General	Annual (On Demand)
437999660	Fund Accounting Beginning Balance and Transactions (Trust Funds)	DFS - CMS Fund Accounting	Auditor General	Annual (On Demand)
437999661	Monthly Trust Fund Investment transactions	DFS - CMS Fund Accounting	Auditor General	Monthly

Internal ID	Interface Name	Source System / Organization	Target System / Organization	Frequency / Triggering Event
438999662	Warrants paid in a date range	DFS - CMS Warrants	Auditor General	Annual (On Demand)
999434663	Buy/Sale Transactions (manual entry)	DFS - Investments	DFS - CMS Investment Accounting	Real-Time (Database Interface)
434425664	Custodian Bank Investment Transactions	DFS - CMS Investment Accounting	DFS - CMS Bank Accounts	Real-Time (Database Interface)

427999672	ACH Debit Transactions for CD Interest and Principal Payments at maturity	DFS - CDs	Wells Fargo	Real-Time (Database Interface)
426224673	Unverified Bank Deposits sent to Departmental FLAIR for matching	DFS - CMS Cash Management System component	DFS - FLAIR Departmental	Business Days - State

Attachment C: General Appropriations Act (GAA) DMP Requirements Traceability

The Proviso, attached to line number 2317A of the [FY 16-17 GAA](#), set forth requirements (brought forward from FY15-16) for inclusion in the Florida PALM Pre-DDI DMP:

The data management plan shall include an inventory of current system interfaces and migration activities required from the FLAIR subsystem and the CMS and shall identify the data conversion requirements.

Table 2 below provides traceability for meeting Proviso requirements for this Pre-DDI DMP.

Table 2: Proviso Requirements Traceability

Criteria	Document location	Description
Inventory of current system interfaces	Attachment B of the PreDDI DMP	Inventory of the current interfaces including source system, target system and frequency
Migration activities required from the FLAIR and CMS systems	Data Conversion and Migration Strategy Section of the Pre-DDI DMP (Section 7)	Description of the set of migration guidelines and activities required from the FLAIR and CMS subsystems in a level of detail appropriate for the PreDDI phase of the Project
Data conversion requirements	Data Conversion and Migration Strategy Section of the Pre-DDI DMP (Section 7)	Description of the set of data conversion guidelines and activities required from the FLAIR and CMS subsystems in a level of detail appropriate for the Pre-DDI phase of the Project

Attachment D: FLAIR and CMS Conceptual Data Models

The FLAIR and CMS CDM diagrams below present a simple, high level view of the key conceptual information expressed as *entities* (i.e., classes, groups) of data.³⁹

The conceptual data models for both FLAIR and CMS do not reflect nor imply ownership of data. The CDM for each system simply reflects data that resides in each system irrespective of ownership considerations.

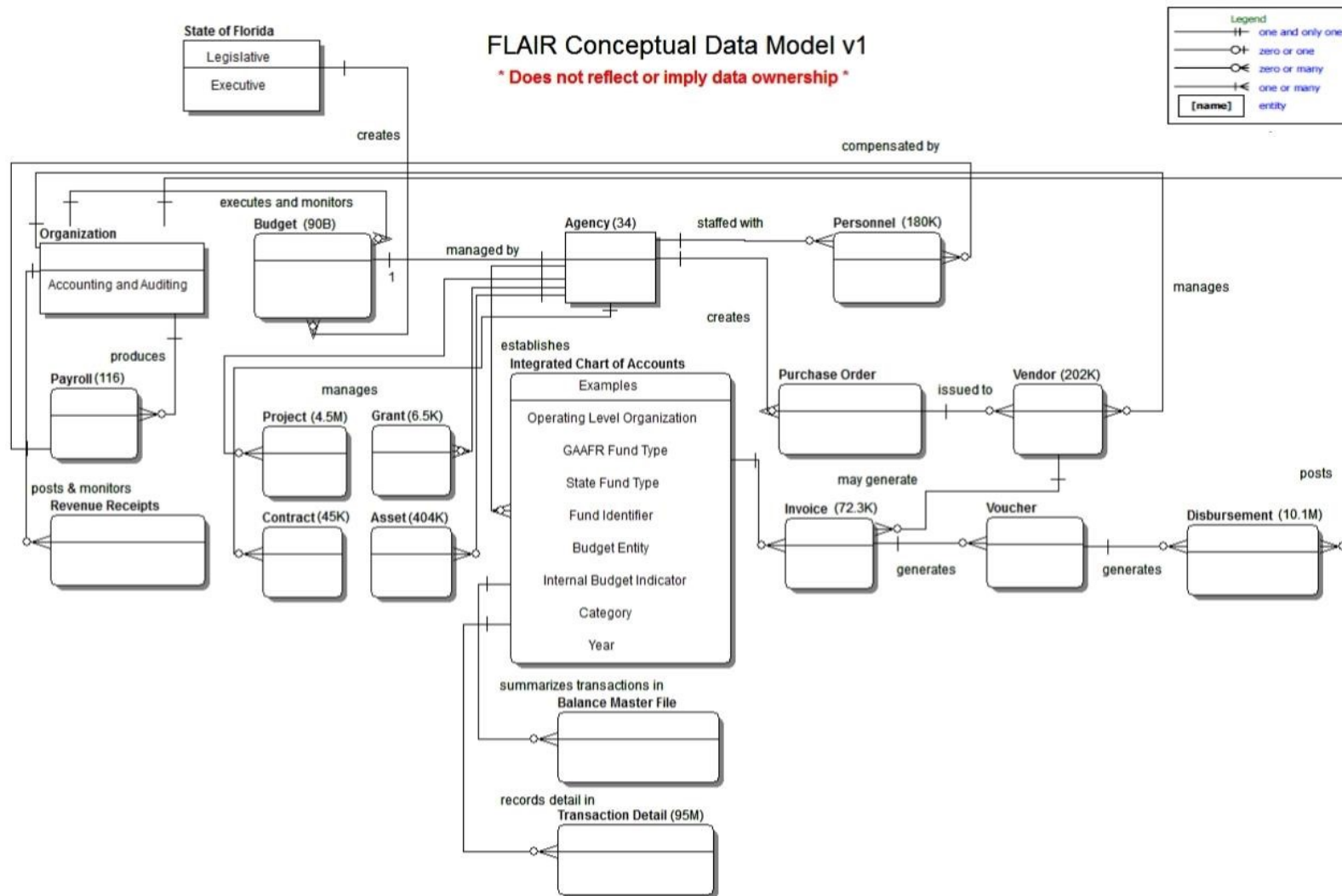


Figure 4: FLAIR Conceptual Data Model

Table 3: FLAIR CDM Entity Inventory

Entity Inventory					
Entity Name	Data Motivation/Meaning	Usage	Comments	Entity Relationship Mappings	Entity Relationship Count
Agency	As the context requires, means an, authority, council, committee, department, division, bureau, board, section, or entity of government that uses or interacts with FLAIR and/or CMS.	Daily	Master Data - Core Entity	A&A (Many to One)	1
Budget	A proposed plan of revenue and expenditures for a given period.	Daily	Master Data; Assumes one logical Budget per agency	A&A (Many to One) Agency (One to One)	
Chart of Accounts	Made up of master data elements, both State standard and agency unique codes, which are organized and used to report how an agency records assets, liabilities, equities, fund balances, revenues, and expenditures.	Daily	Master Data; Central Nervous System of FLAIR	Agency (Many to Many)	1
Disbursement	A payment of funds to settle accounts, claims, and demands, against the State. Payments in FLAIR are made by warrant, journal voucher, electronic funds transfer, or any other authorized payment method.	Daily		Voucher (Many to Many) A&A (Many to One)	2

Entity Inventory					
Entity Name	Data Motivation/Meaning	Usage	Comments	Entity Relationship Mappings	Entity Relationship Count
Voucher	A standard document prescribed by the CFO complete with invoices and supporting documentation necessary for an agency to authenticate the recording of a transaction into the accounting records and serving as the request to DFS for a warrant in satisfaction of an obligation incurred by an agency.	Daily		Invoice (Many to Many) Expenditure (Many to Many)	2
Grant	A contribution, gift, or subsidy (cash or in-kind) bestowed by a government or other organization (the grantor) for specified purposes to an eligible recipient (the grantee). In FLAIR, the grant number is used to identify a particular grant within the agency.	Daily		Agency (Many to One)	1
Invoice	A bill provided by a vendor to an agency for goods acquired or services rendered.	Daily		Vendor (Many to Many) Expenditure (Many to Many)	2
Vendor	An individual or entity that is receiving a payment that is associated with the receipt of commodities or services	Daily	Master Data; candidate for archiving of stale data	Purchase Order (Many to Many) A&A (Many to One)	2

Entity Inventory					
Entity Name	Data Motivation/Meaning	Usage	Comments	Entity Relationship Mappings	Entity Relationship Count
Revenue	Increase in claim for resources that are available to finance expenditures in the current fiscal period.	Daily		A&A (Many to One)	1
Purchase Order	The form used by the purchasing department to inform vendors of the request for the delivery of goods or services.	Daily	Lineage/Provenance = MFMP for encumbered Pcard PO's are original	Agency (Many to Many)	1
Asset	A real, tangible, or intangible economic resource or property that is expected to benefit future operations.	Daily		Agency (Many to Many)	1
Liability	Refers to an agency's obligations (debt) and is the amount the agency owes.	Yearly		Agency (One to Zero to Many)	1
Expenditure	Recorded in funds using the modified accrual basis of accounting when liabilities are incurred pursuant to authority given in an appropriation (q.v.). Designates the cost of goods delivered or services rendered, whether paid or unpaid, including current items, provision for interest and debt retirement, and capital outlays.	Daily		Agency (One to Zero to Many)	1

Contract	A written agreement or purchase order issued for the purchase of goods or services or a written agreement for State or Federal financial assistance.	Daily		Agency (Many to Many)	1
Entity Inventory					
Entity Name	Data Motivation/Meaning	Usage	Comments	Entity Relationship Mappings	Entity Relationship Count
Payroll	Processes of receiving agency payroll requests to making employee payments, maintaining employee records, performing tax and deduction accounting and reporting, and other administrative payroll functions not performed by People First.	Daily BiWeekly Monthly		A&A (Many to One)	1
Project	A temporary endeavor that requires the separate accumulation of costs and contains a set of activities designed to achieve a specific outcome.	Daily		Agency (Many to Many)	1
General Ledger Master	A master set of accounts in which an entity's financial transactions are recorded in summary form. Serves as a central repository for accounting data transferred from all sub-ledgers or process areas.	Daily		Chart of Accounts (Many to Many) Transaction (Many to Many)	2
Transaction	The individual economic events or conditions that occur which must be recorded.	Daily		Chart of Accounts (Many to	1

				Many)	
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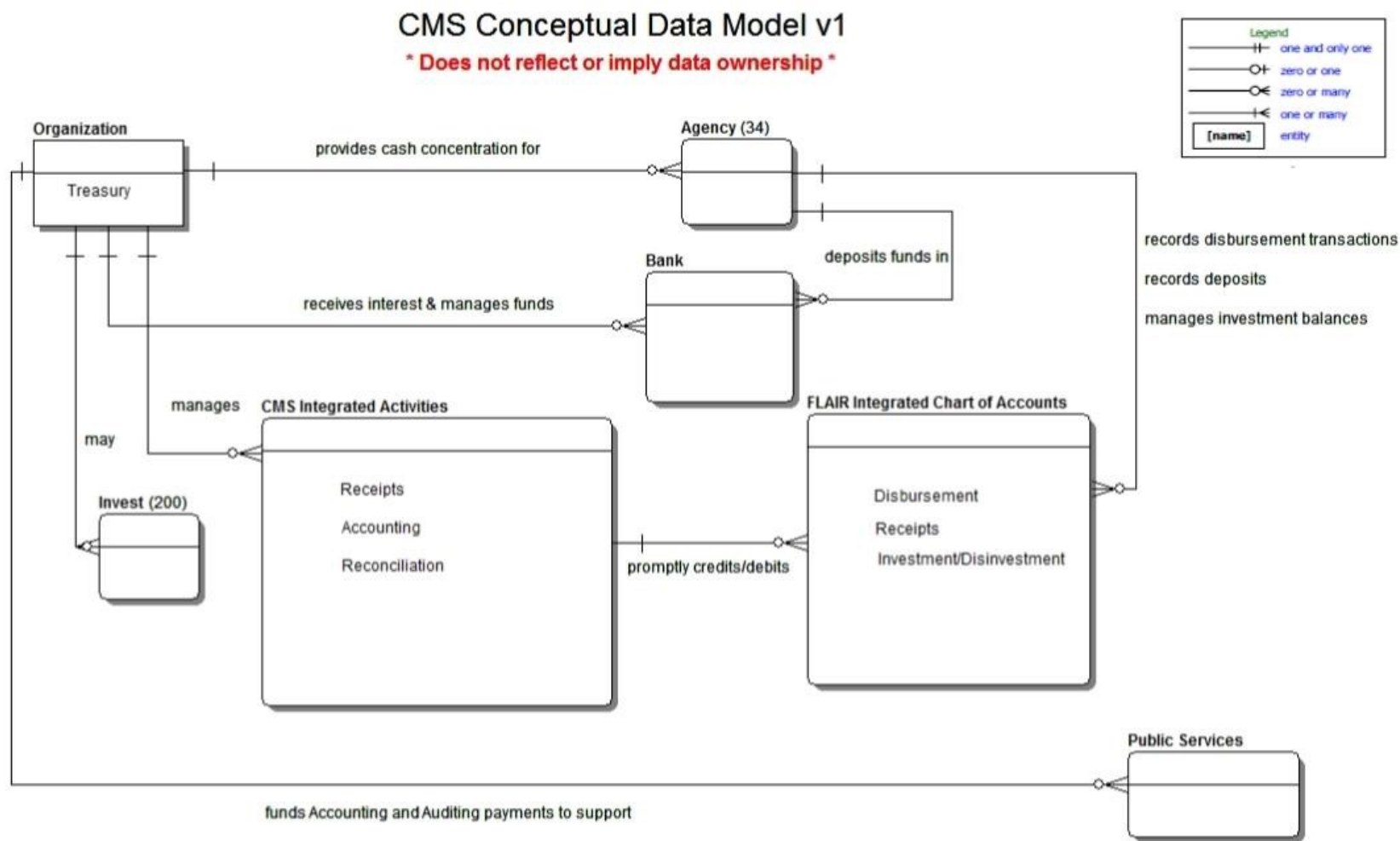


Figure 5: CMS Conceptual Data Model

Table 4: CMS CDM Entity Inventory

Entity Inventory					
Entity Name	Data Motivation/Meaning	Usage	Comments	Entity Relationship Mappings	Entity Relationship Count
Agency	State of Florida Agencies that own entered receipts.	Daily		Treasury (Many to One) Bank (Many to Many) FLAIR (Many to One)	3
Bank	An establishment authorized by a government to accept deposits, pay interest, clear checks, make loans, act as an intermediary in financial transactions, and provide other financial services to its customers.	Daily	- Wells Fargo - Bank of America - Mellon	Agency (Many to Many)	1
CMS Integrated Activities	Day to day financial and internal processes that maintains the integrity of the cash management system.	Daily		Treasury (Many to One)	1
Chart of Accounts	A list of the accounts used by an entity to define each class of items for which money or the equivalent is spent or received. It is used to organize the finances of the entity and to segregate assets, liabilities, equities, revenues, and expenditures to provide an understanding of the financial position and results of operations and entity.	Daily	FLAIR Based	Treasury (Many to One) Agency (Many to Many)	2

Entity Inventory					
Entity Name	Data Motivation/Meaning	Usage	Comments	Entity Relationship Mappings	Entity Relationship Count
Disbursement	A payment of funds to settle accounts, claims, and demands, against the State. Payments in FLAIR are made by warrant, journal voucher, electronic funds transfer, or any other authorized payment method.	Daily	FLAIR Based	FLAIR (Many to One) Account (Many to Many)	2
Account	A deposit account or any other type of account offered by a financial institution.	Daily		Disbursement (Many to Many) Bank (Many to One)	2
Invest	To purchase an asset or item with the hope that it will generate income or will appreciate in the future.	Daily		Treasury (Many to One)	1
Public Services	Service provided or supported by a government or its agencies.	N/A		Treasury (Many to One)	1

¹ More information about the purpose and development of architecture principles can be found as part of TOGAF 9.1 at <http://pubs.opengroup.org/architecture/togaf9-doc/arch/index.html>

² Many of the limitations of FLAIR and CMS are documented extensively in the FLAIR Study which can be found on the Florida PALM website at <http://www.myfloridacfo.com/floridapalm/FlairStudy.htm> ³

Architectural Technical Debt as defined by the Software Engineering Institute at Carnegie Mellon University at http://www.sei.cmu.edu/architecture/research/arch_tech_debt/ ⁴ Data Management Book of Knowledge 2nd Edition Framework found at <http://www.dama.org/sites/default/files/download/DAMA-DMBOK2-Framework-V2-20140317-FINAL.pdf> ⁵ The Berkeley Enterprise Integration Services Office provides an example for a transition-state architecture at <http://integration-services.berkeley.edu/integrating-systems/how-design-data-integration> ⁶ A detailed and complete description of FFMIS including the key subsystems and their functional owners can be found in sections 215.90-215.96, Florida Statutes located at

http://www.leg.state.fl.us/statutes/index.cfm?App_mode=Display_Statute&URL=0200-0299/0215/0215ContentsIndex.html&StatuteYear=2016&Title=%2D%3E2016%2D%3EChapter%20215 ⁷

The challenges presented by FFMIS governance are outlined in Chapter 3 of the FLAIR study located at <http://www.myfloridacfo.com/floridapalm/FlairStudy.htm>

⁸ Business Case documentation can be found on the Florida PALM website at <https://www.myfloridacfo.com/floridapalm/resources/business-case/>

⁹ The Massachusetts Institute of Technology (MIT) articulated data shadowing as a challenge in their Enterprise Architecture Guide located at <https://docs.google.com/viewer?a=v&pid=sites&srcid=dWVoLmVkdS52bnx2aHFkaW5ofGd4OjQ3YjZjMDMxMjdhMTA1NzU>

¹⁰ See Data Governance Institute, The Goals and Principles for Data Governance at http://www.datagovernance.com/adg_data_governance_goals/

¹¹ Definition of Data Architecture from TOGAF 9.1 found at <http://pubs.opengroup.org/architecture/togaf9doc/arch/index.html>

¹² Phase C: Data Architecture from TOGAF 9.1 found at <http://pubs.opengroup.org/architecture/togaf9doc/arch/chap10.html>

¹³ See Software Engineering Institute: Data Model as an Architectural View at http://www.datagovernance.com/adg_data_governance_goals/

¹⁴ Phase C: Data Architecture from TOGAF 9.1 found at <http://pubs.opengroup.org/architecture/togaf9doc/arch/chap10.html>

¹⁵ For an overview of data interoperability in a modern context as it pertains to the State of Florida, see the presentation: Data as a State Asset: Insight Through Interoperability and Exchange presented at the 2015 FGTC located at <http://mediasite.capd.fsu.edu/Mediasite/Play/c231597070ae47b2925becd733e4c7f91d>

¹⁶ For information on IoT, see Gartner: Implementing an IoT Strategy at <http://www.gartner.com/technology/research/internet-of-things/>

¹⁷ See The White House, US Office of Management and Budget: Digital Government - Building a 21st Century Platform to Better Serve the American People at <https://web.archive.org/web/20161109172952/https://www.whitehouse.gov/sites/default/files/omb/egov/digital-government/digital-government.html>

¹⁸ See Gartner IT Glossary MDM definition that includes the definition of master data at <http://www.gartner.com/it-glossary/master-data-management-mdm/>

¹⁹ See TDWI definition for Master data management at <https://web.archive.org/web/20170109182144/https://tdwi.org/portals/master-data-management.aspx>

²⁰ See TDWI definition for Data Warehouse at <https://web.archive.org/web/20160414030406/https://tdwi.org/portals/data-warehousing.aspx>

²¹ Microsoft Enterprise Data Warehouse, Guidance and Deployment Best Practices - Chapter 2 Data Architecture at <https://msdn.microsoft.com/en-us/library/hh146876.aspx>

²² See TDWI definition for Business Intelligence at <https://web.archive.org/web/20160414030933/https://tdwi.org/portals/business-intelligence.aspx>

²³ See National Information Standards Organization: Understanding Metadata at http://www.niso.org/apps/group_public/download.php/17446/Understanding%20Metadata.pdf

²⁴ See ISO/IEC 11179 Metadata Registry (MDR) standard located at [http://standards.iso.org/ittf/PubliclyAvailableStandards/c035343_ISO_IEC_11179-1_2004\(E\).zip](http://standards.iso.org/ittf/PubliclyAvailableStandards/c035343_ISO_IEC_11179-1_2004(E).zip) ²⁵

See IAIDQ: To a High IQ! Defining Information Quality: More Than Meets the Eye at <http://iaidq.org/publications/doc2/english-2005-04.shtml>

²⁶ See Gartner: 2015 Critical Capabilities for Data Quality Tools; research by Ted Friedman and Saul Judah at <https://www.gartner.com/doc/2986817/critical-capabilities-data-quality-tools>

²⁷ Theodore Johnson (2009), "Data Profiling", in Encyclopedia of Database Systems, Springer, Heidelberg

²⁸ See Gartner: Risks and Challenges in Data Migrations and Conversions at <https://www.gartner.com/doc/897512/risks-challenges-data-migrations-conversions> ²⁹ See Gartner: Best Practices Mitigate Data Migration Risks and Challenges at <https://www.gartner.com/doc/2940619/best-practices-mitigate-data-migration>

³⁰ A description of data migration architectural artifacts can be found in TOGAF 9.1 Phase F at <http://pubs.opengroup.org/architecture/togaf9-doc/arch/chap14.html>

³¹ Privacy Engineering Skills from Carnegie Mellon's School of Computer Science and College of Engineering at <http://privacy.cs.cmu.edu/>

³² Object Code Standardization Project information can be found on the myfloridacfo.com website at <http://www.myfloridacfo.com/Division/AA/ObjectCodeStandardizationProject.htm>

³³ Information regarding the Commodity Code Standardization Project can be found on the DMS myflorida.com website at http://www.dms.myflorida.com/business_operations/state_purchasing/myfloridamarketplace/current_projects/myfloridamarketplace_commodity_code_standardization_project

³⁴ Chart of Accounts Project information can be found on the myfloridacfo.com website at <http://www.myfloridacfo.com/Division/AA/COA/default.htm>

³⁵ FACTS Project information can be found on the myfloridacfo.com website at <http://www.myfloridacfo.com/Division/AA/FACTSReporting/default.htm>

³⁶ See Five Reasons Why Business Process Reengineering Should Happen Before Your ERP Implementation by Eric Kimberling at <http://panorama-consulting.com/five-reasons-why-businessprocess-reengineering-should-happen-before-your-erp-implementation/> ³⁷ Business process models can be found on the Florida PALM website at <https://www.myfloridacfo.com/floridapalm/resources/process-areas/>

³⁸ For additional information on defensible deletion see KPMG: Defining Issues: Forensic Technology – Defensible Deletion at <http://www.kpmg-institutes.com/content/dam/kpmg/advisoryinstitute/pdf/2013/defensible-deletion.pdf>

³⁹ An entity is a grouping of things with rules or data in common. An entity often represents a group of people (e.g., vendors, employees, stakeholders) but it can also represent a group of objects (e.g., purchase orders), activities (e.g., assignments) or concepts (e.g., fiscal years). Source: Oracle (modified)