



F E D E R A L
S T U D E N T A I D

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Integration Partner Transition *Data Strategy Briefing*

May 2004

Project Overview

- The Data Strategy defines FSA's enterprise data vision and strategy for how it will combine tools, techniques and processes to handle its enterprise data needs.
- Data Strategy I (February – November 2003)
 - Gathered Business Objectives
 - Drafted Target State Data Flows
 - Created a Target State Vision including business and technical strategies of “What it should look like”
 - Standard Student Identification Method (SSIM)
 - Routing ID (RID)
 - XML Registry & Repository and XML Core Components
- Data Strategy II (January – November 2004)
 - Explore options for new questions raised during Target Vision Discussions and Retreats
 - Implement XML Registry / Repository of Core Components to the Internet
 - Enact the Data Quality Assurance Methodology for the Enterprise

Project Owners

- Project Sponsors: Kay Jacks (ASEDS), Jerry Schubert (CIO)
- Data Strategy FSA Project Leads:
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Business Functions

The Data Strategy Teams support FSA in the formulation of FSA's enterprise data vision and strategy to meet the following desired outcomes:

- **Cross-Program Integration**
 - Business objective gathering sessions comprised of cross-channel business owners and the establishment of Standard Identifiers for Students and Schools
- **Improved Data Quality**
 - Through the execution of a Data Quality Mad Dog and the creation and execution of a Quality Assurance and Implementation Plan
- **Improved Organization and Distribution of Data**
 - Creation of an XML Framework and Internal and External Data Exchange Strategy
- Establish a **Data Storage Strategy**
 - Data Warehouse and Data Mart Strategy
 - Plan for organizing data to answer broader, deeper business questions
- Establish a **Target Vision** for FSA
 - Develop and refine a conceptual business and data architecture that outlines a Target State Vision for the FSA Enterprise.

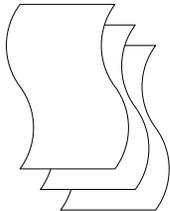
Relationship to FSA's Strategic Goals

Strategic Goal	Applicable to Project?	If yes, why?
Modernize & Integrate Systems	Yes	<ul style="list-style-type: none"> •Outline the processes and standards for Data Ownership, Architecture, Quality, Standards and Access Methods •Map owners and source systems to data components across multiple FSA systems and the Student Aid Lifecycle. •Develop technical strategies to help meet overall FSA business objectives within the technology areas of portals, web services, data access and storage (marts and warehousing), internal data exchange, and external information access (FSA Gateway).
Improve Program Integrity	Yes	<ul style="list-style-type: none"> •Data Quality Assurance Strategy implementation establishes repeatable processes for identifying, correcting and maintaining data within the Enterprise.
Reduce Costs	No	<ul style="list-style-type: none"> •Reduction of cost will be realized following implementation.
Improve Products & Services	Yes	<ul style="list-style-type: none"> •Provide application teams with guidelines and best practices for internal / external communications using XML across the enterprise. •Develop the baseline XML ISIR Schema and provide technical support during development of the XML ISIR Technical Reference.
Improve Human Capital	No	<ul style="list-style-type: none"> •Improvement of Human Capital will be realized following implementation.

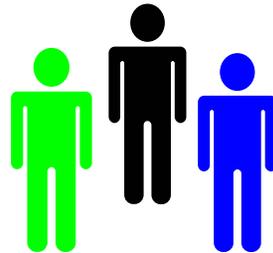
Relationship to FSA's 'Big Picture'

Data Strategy seeks to develop an **overall approach** towards data to ensure that **accurate** and **consistent** data is available to and exchanged between FSA and customers, partners, and compliance and oversight organization.

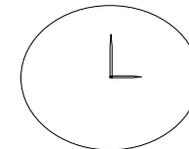
“The Right Data to the Right People at the Right Time”



- Consolidation of Data into Shared Source
- Focus on Data Quality

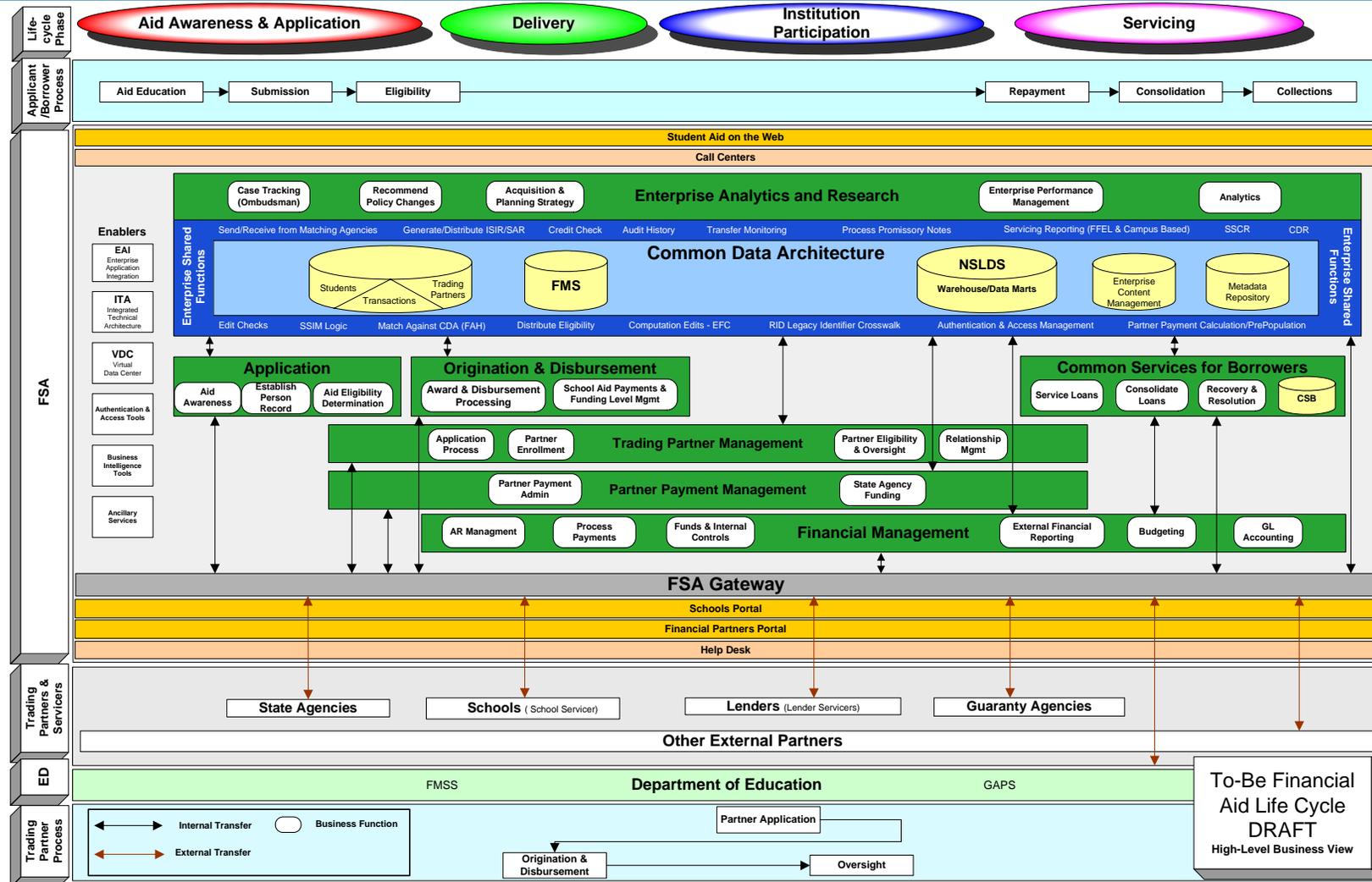


- Enterprise Standard for Student Identification
- Integrated Partner Management
- Enterprise Routing ID
- Enterprise Access Management

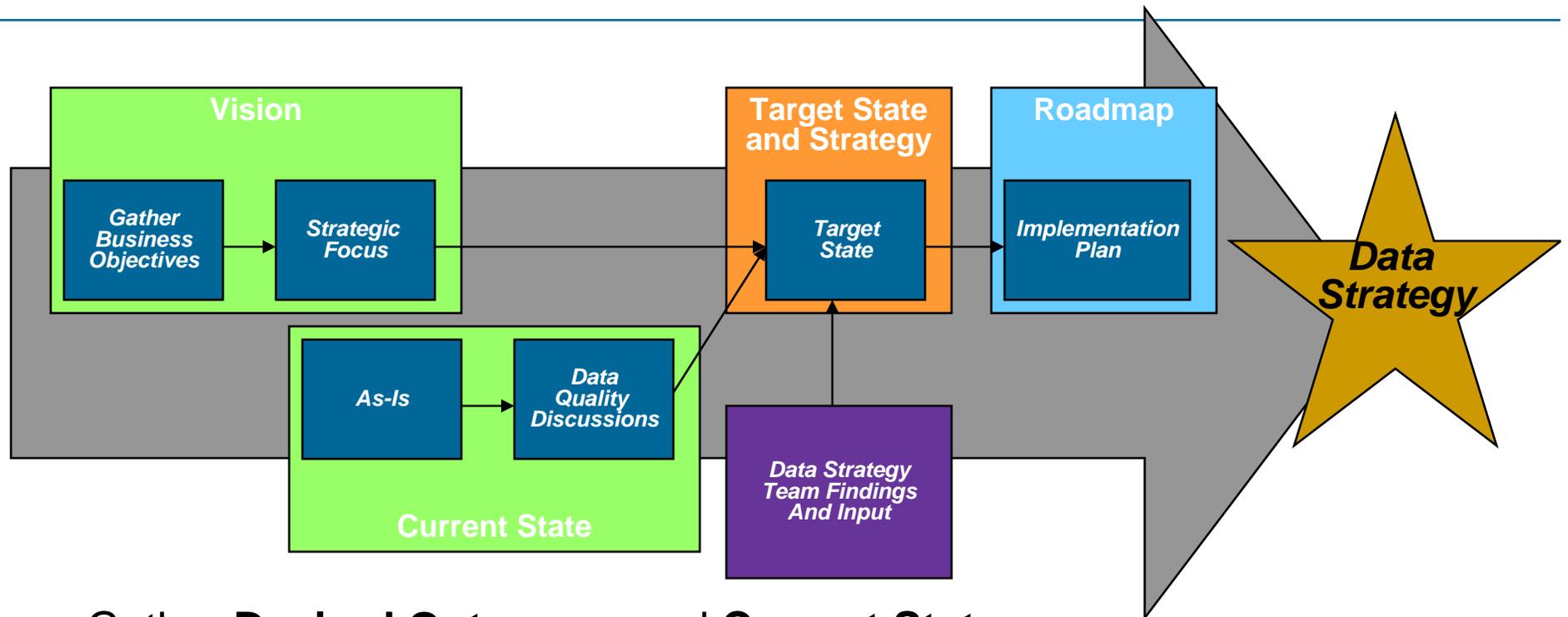


- Integrated Student View
- Integrated School View
- Foundation for more Timely and Efficient Processing

Target State Vision



Delivery Process



- Gather Desired Outcomes and Current State
- Create the Target Vision for Enterprise Data Usage
- Facilitate Paradigm Shift from Current to Target State

Project Schedule

- FSA's Enterprise Data Strategy initiative is being analyzed and defined as part of a phased approach:
 - Data Strategy I (February-November 2003)
 - Data Strategy II (January-November 2004)
 - FFEL and Student Enrollment Data Flow Option Analysis - 5/31/04
 - CSB Impact Analysis – 4/30/04 *Delivered*
 - Functional Gap Analysis – 9/30/04
 - Enterprise Analytics Architecture Analysis – 9/30/04
 - Common Data Architecture (CDA) Operating Guidelines Options – 6/30/04
 - Website/Portals Consolidation and Shared Services Implementation Option Analysis - 6/30/04
 - Deploy XML Registry / Repository to the Internet – 11/12/04
 - Enact Data Quality Assurance Strategy – 9/30/04

Project Deliverables

Data Strategy has evolved into the integration of five core initiatives with the following major deliverables:

- **Data Framework**
 - As-Is and Target State Data Flows
 - *Refine Target State Vision*
 - Data Quality Mad Dog Report
 - Develop Quality Assurance Strategy
 - *Implement Data Quality Assurance Strategy*
- **XML Framework**
 - Develop XML ISIR
 - Develop XML Registry / Repository
 - *Production Deployment of XML Registry / Repository*
- **Common Identification**
 - Standard Student Identification Method Design and Implementation Approach
 - Routing ID Implementations Options Analysis and High Level Design
- **Trading Partner Enrollment and Access**
 - Enrollment and Access Management Requirements and High Level Design
- **Technical Strategies**
 - Data Storage, Web Services, Web Usage and FSA Gateway Strategies
 - *Web Consolidation Options*
 - *Enterprise Analytics Architecture and Operating Guidelines*

Plain text bullets are initial Data Strategy Scope, *Italics represent Data Strategy 2.0 scope.

Next Steps

- Complete Data Strategy II deliverables (November 2004).
- Continue to refine the Target State Vision to execute and implement the plan which realizes the vision.