



F E D E R A L
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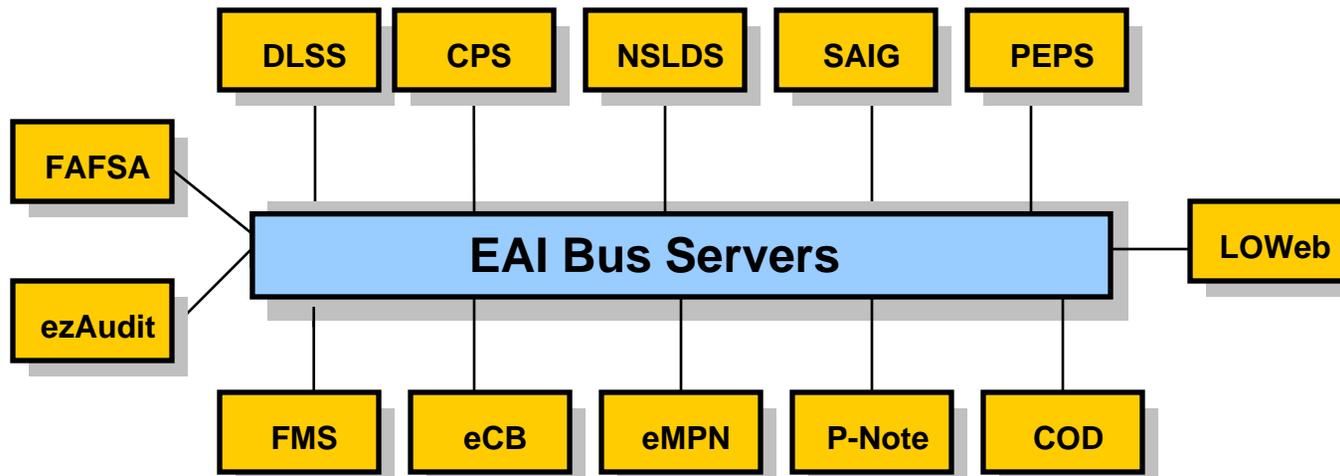
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**Integration Partner Transition
*Enterprise Application Integration
(EAI) Briefing***

May 2004

Project Overview



Enterprise Application Integration (EAI) provides a messaging infrastructure and integration capabilities to build standardized interfaces to new and legacy systems in support of FSA modernization objectives.

Project Owners

- System Owner: FSA, Ganesh Reddy
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- Project Lead: FSA, Sandy England
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- System Operator: PPS, Scott Gray
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FSA Applications

Existing Applications	Development	Test	Performance Test	Staging	Production	WebSphere	IBM HTTP Server	Autonomy/Google	Informatica	Interwoven	MicroStrategy	Siebel	Oracle 8i	Java-based Reusable Common Services	FTP Server	Web Services	Tech Arch Reviews	Products SME Support	Performance Testing	ITA Product Upgrades	Adapters	MQSeries	MQSI	Data Integrator	Deploy	eCM	Configuration Management	
	ITA Environments					ITA Products								ITA RCS Components			ITA Services				EAI Services				Solution Excellence			
IFAP	●	●	●	●	●	●	●	●		●			●	●			●	●	●	●						●		
Schools Portal	●	●	●	●	●	●	●	●		●			●	●			●	●	●	●						●		
EDExpress Basics	●	●	●	●	●	●	●			●			●					●	●	●	●					●		
FP Datamart	●				●				●		●		●				●	●	●	●						●		
ISIR Datamart	●	●			●	●	●						●				●	●	●	●						●		
Ombudsman OCTS	●	●	●	●	●		●					●	●				●	●	●	●						●		
Program Guidance	●	●	●	●	●	●	●	●		●			●	●			●	●	●	●						●		
Students.gov	●	●	●	●	●	●	●						●	●			●	●	●	●						●		
FP Portal	●	●	●	●	●	●	●	●		●			●	●		●	●	●	●	●						●		
Student Aid on the Web Portal	●	●	●	●	●	●	●	●		●			●	●		●	●	●	●	●						●		
NSLDS														●								●	●	●	●	●	●	●
DLSS																			●			●	●	●	●	●	●	●
PEPS																						●	●	●	●	●	●	●
CSB																						●	●	●	●	●	●	●
COD																						●	●	●	●	●	●	●
eCB	●	●	●	●	●	●	●						●	●			●	●	●	●		●	●	●	●	●	●	●
CPS																						●	●	●	●	●	●	●
FMS													●				●	●	●	●		●	●	●	●	●	●	●
LOWeb	●	●	●	●	●	●	●						●	●			●	●	●	●		●	●	●	●	●	●	●
SAIG	●	●	●	●	●	●	●										●	●	●	●		●	●	●	●	●	●	●
Security Management Tool	●	●	●	●	●	●	●						●				●	●	●	●		●	●	●	●	●	●	●
XML Registry	●	●	●	●	●	●	●						●	●			●	●	●	●		●	●	●	●	●	●	●
FSANet	●	●	●	●	●	●	●	●		●			●				●	●	●	●		●	●	●	●	●	●	●
FSA Coach	●	●			●	●	●																					
FFEL																						●	●				●	
CM Datamart									●		●		●													●		
Delinquency Loan DM	●				●																					●		
PIN Site	●	●	●	●	●	●	●						●	●		●	●	●	●	●		●	●			●	●	●
FAFSA 8.0	●	●	●	●	●	●	●	●		●			●	●		●	●	●	●	●		●	●			●	●	●
FAFSA 9.0	●	●	●	●	●	●	●	●		●			●	●		●	●	●	●	●		●	●			●	●	●
FAFSA Demo	●	●	●	●	●	●	●	●		●			●	●		●	●	●	●	●		●	●			●	●	●
eZ-Audit	●	●	●	●	●	●	●	●			●		●	●		●	●	●	●	●		●	●			●	●	●
Ombudsman Redesign	●	●	●	●	●	●	●	●						●			●	●	●	●		●	●			●	●	●

- Current Service
- Planned Service
- Opportunity Areas

Business Functionality Enabled by EAI

Destination System	Source System	Go-Live Date	Business Function
DLSS Exit Counseling	NSLDS	12/7/2001	Provides real-time load status information during loan exit counseling sessions.
Ombudsman	NSLDS	12/7/2001	Provides real-time load information during loan dispute resolution.
Credit Management (CMDS)	DLSS	1/21/2002	Enables more robust reporting of the student loan portfolio including demographic based information.
eCB	PEPS	2/15/2002	Ensures accuracy of individual, Campus Based accounting transactions.
FMS	eCB	2/15/2002	Ensures consistent and consolidated financial reporting of Campus-Based awards.
COD	CPS	4/29/2002	Validates student eligibility for Direct Loan, Pell and Campus-Based awards.
CPS	COD	4/29/2002	Validates school eligibility for Pell Grant programs; Ensures cross-system reconciliation on student eligibility.
DLSS	COD	4/29/2002	Enables loan bookings, initiates repayment activities and calculates deferment eligibility.

Business Functionality Enabled by EAI

Destination System	Source System	Go-Live Date	Business Function
DLSS	COD	4/29/2002	Validates loan bookings and school data information; Ensures reconciliation of posted servicing transactions.
COD	FMS	4/29/2002	Allows schools to draw down cash from Treasury.
COD	PEPS	4/29/2002	Validates school eligibility for Direct Loan, Pell, and Campus Based awards.
COD	LOWeb	4/29/2002	Validates award status prior to electronic promissory note issuance; Enables real-time credit check processing and eliminates duplicate credit checks.
COD	SAIG	4/29/2002	Validates school and student eligibility for Pell, Direct Loan and Campus Based awards.
SAIG	COD	4/29/2002	Validates the school destination data; Confirms school award eligibility results.

Business Functionality Enabled by EAI

Destination System	Source System	Go-Live Date	Business Function
COD	NSLDS	6/3/2002	Validates Pell Grant disbursement eligibility data to ensure accurate financial aid transcript processing.
NSLDS	COD	6/3/2002	Ensures cross-system consistency of Pell recipient information.
CMDM	FMS	5/12/2002	Provides reporting capability on the summary financial transaction information in the FMS system.
CMDM	DLSS	5/12/2002	Provides reporting capability on the demographic information in the DLSS system.
FPDM	NSLDS	6/10/2002	Monitors Financial Partners' operating performance (risk factors); Provides detailed reports regarding external Financial Partners' performance between review cycles.
FPDM	PEPS	6/10/2002	Monitors Financial Partners' operating performance (risk factors); Provides detailed reports regarding external Financial Partners' performance between review cycles.

Business Functionality Enabled by EAI

Destination System	Source System	Go-Live Date	Business Function
FMS	Mellon	10/1/2002	Allows receipt transactions to be applied to FMS invoices.
NSLDS	LaRS	10/1/2002	Enables daily updates of lender demographic information.
eZ-Audit	PEPS	1/31/2003	Displays school profile information to schools for validation.
CPS	FAFSA	1/1/2003	Transport and integration for all FAFSA/CPS interfaces including application submissions
COD	LOWEB	4/29/2002	Transport and transformation for all eMPN related COD interfaces.

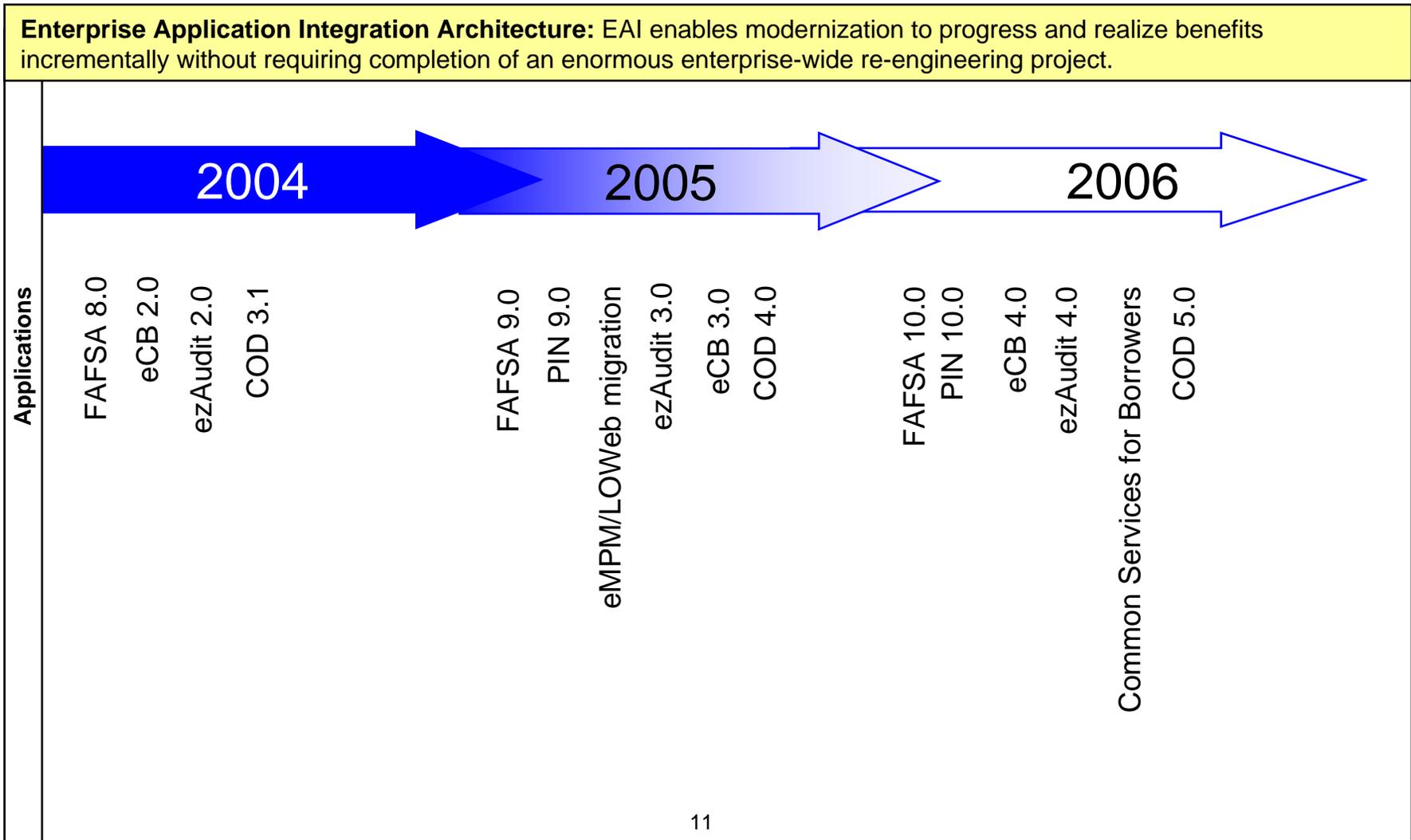
Relationship to FSA's Strategic Goals

Strategic Goal	Applicable to Project?	If yes, why?
Modernize & Integrate Systems	Yes	Provides messaging infrastructure for integration of existing legacy systems, modernization initiatives, COTS applications, data warehouses, and web-based solutions.
Improve Program Integrity	Yes	Provides mechanism to improve data consistency; Provides a capability that can be used to coordinate data across systems to improve consistency and reduce redundancy.
Reduce Costs	No	The cost savings associated with this integrated approach are accrued to the modernization initiatives that utilize the EAI infrastructure.
Improve Products & Services	No	N/A
Improve Human Capital	No	N/A

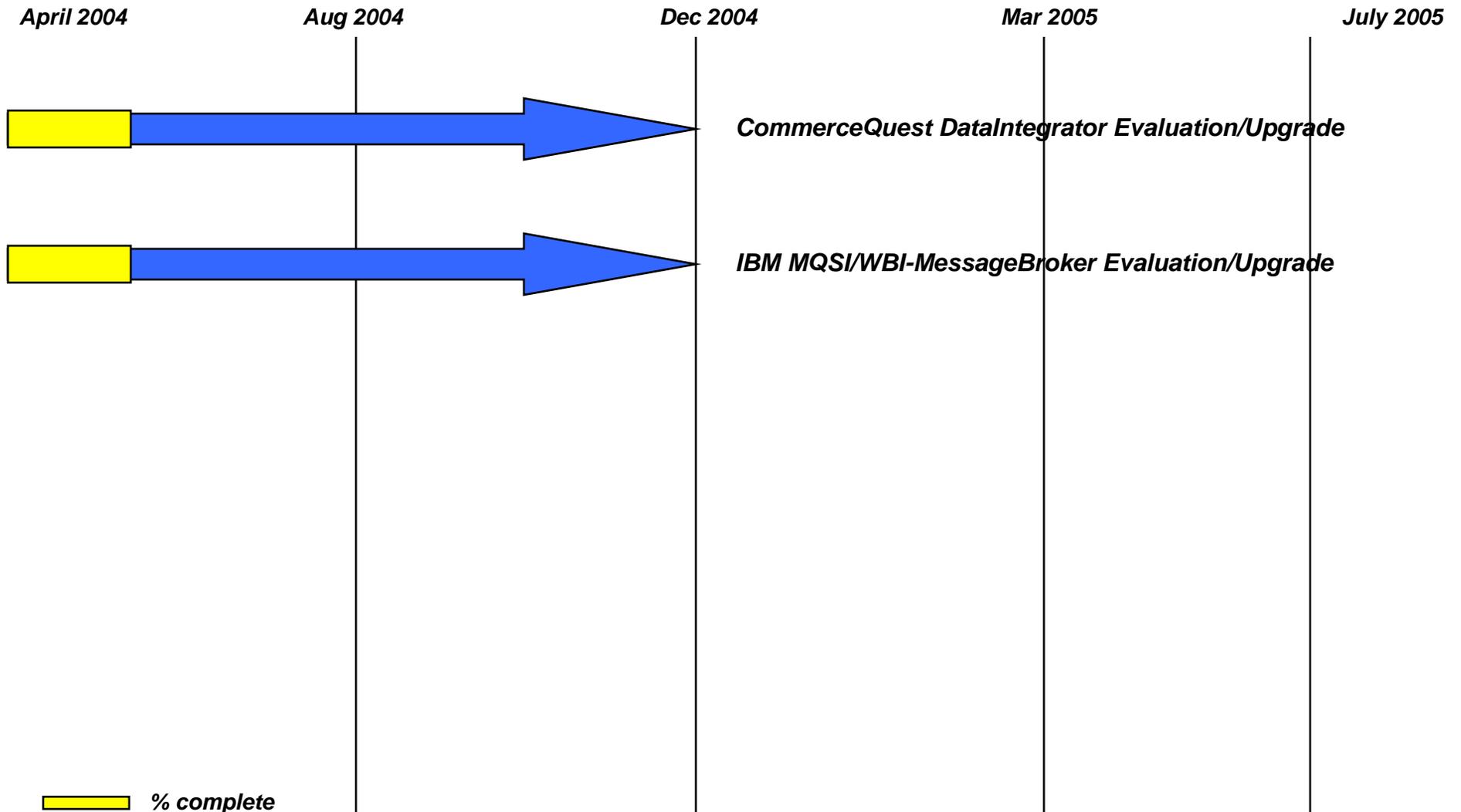
Relationship to FSA's 'Big Picture'

- Provides messaging infrastructure for integration of existing legacy systems, modernization initiatives, COTS applications, data warehouses, and web-based solutions.
- EAI will continue to provide internal transfer mechanisms as part of the Enterprise Target State Vision.

Planned Application Migrations and Releases



Product Evergreening Schedule



Delivery Process

Requirements Definition	Design	Build & Unit Test	Test	Deploy	Operations
<ul style="list-style-type: none"> • Assess Interface context with the Enterprise Solution • Define Trading Partner interface needs • Identify Trading Partner high-level interface data requirements 	<ul style="list-style-type: none"> • Define application approach • Assess application interface needs • Assist Application Team to Define interface specifications • Define EAI Solution 	<ul style="list-style-type: none"> • Install EAI Products • Configure & Administer EAI Products • Assist Application Team to Build Application Interfaces 	<ul style="list-style-type: none"> • Support Application Testing • Support Performance Testing • Measure message response time • Analyze Data Through-put rates 	<ul style="list-style-type: none"> • Coordinate with VDC in Migration of code from Development and Test environments to Production environment 	<ul style="list-style-type: none"> • EAI Operations Support and Maintenance • EAI Troubleshooting and Issue Resolution • EAI Change Control • Coordinate EAI Architecture Upgrades and Patches

Project Deliverables

- EAI Infrastructure Documentation
- Implementation Documentation
- Performance Test Documentation
- EAI Configuration Management Plan and Monthly Inventory
- Monthly EAI Service Report, Current State Report, and Production Support Status Report
- ITA/EAI Management Plan and Project Management Report
- Process Improvement Plan

Next Steps

- Continue operations
- Keep products refreshed and current
- Provide EAI services to application teams
- Migrate additional applications to EAI
- Provide 24x7 production support