



*“We Help
Put America
Through
School”*

EAI Integration Monthly Meeting

December 6, 2001

EAI Integration Monthly Meeting Schedule



Date	Location	Time
December 6, 2001	Room 221 B	10:00-11:00
January 10, 2002*	Room 221 A	10:00-11:00
February 7, 2002	Room 221 A	10:00-11:00
March 7, 2002	Room 221 A	10:00-11:00
April 4, 2002	Room 221 A	10:00-11:00
May 2, 2002	Room 221 A	10:00-11:00
June 6, 2002	Room 221 A	10:00-11:00
July 11, 2002*	Room 221 A	10:00-11:00
August 1, 2002	Room 221 A	10:00-11:00
September 5, 2002	Room 221 A	10:00-11:00

*These meetings will be held on the second Thursday of the month due to holidays.

Agenda



EAI Core Support Services

How to get “On the Bus”

Status

Summary of Interfaces

Services provided to Application teams by EAI Core Support are comprehensive. They include:



Business Integration Design

Architecture Design

System Installation/Admin

Interface Development

Performance Testing

Operations Support & Maintenance



EAI Key Points of Contact:

System/Initiative	EAI Lead
<ul style="list-style-type: none"> ▪ eServicing ▪ DMCS Replacement ▪ CSID & PEPS Replacement, ▪ Financial Partners Data Mart ▪ FARS Retirement ▪ Enterprise Data Warehouse ▪ NSLDS Re-engineering 	<p>Eric Suzuki Eric.N.Suzuki@accenture.com (202) 962-0743</p>
<ul style="list-style-type: none"> ▪ e-Campus Based ▪ FAFSA on the Web ▪ SFA Portal ▪ Single Sign On & Security 	<p>Julian Ackert Julian.Ackert@accenture.com (202) 962-0734</p>
<ul style="list-style-type: none"> ▪ Consistent Answers ▪ Business Integration 	<p>Bruce Kingsley Bruce.Kingsley@accenture.com (202) 962-0793</p>
<ul style="list-style-type: none"> ▪ FMS 	<p>Lauren Brett lgbrett@rsgltd.com (202) 962-0733</p>
<ul style="list-style-type: none"> ▪ LO Web 	<p>Barnet Malkin barnet@bitSMART.com (202) 962-0645</p>
<ul style="list-style-type: none"> ▪ COD 	<p>Scott Gray sgray@rsgltd.com (202) 962-0795</p>

Agenda



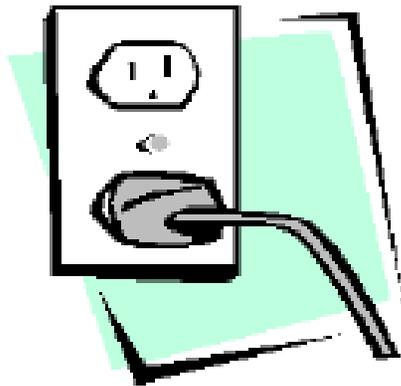
EAI Core Support Services

How to get “On the Bus”

Status

Summary of Interfaces

Building an EAI Interface



- **EAI provides services to application teams.**
- **The EAI Core Team implements the EAI products on the target system platforms and validates the ability to process system functionality.**
- **Application development teams plug into these services and develop application interfaces.**

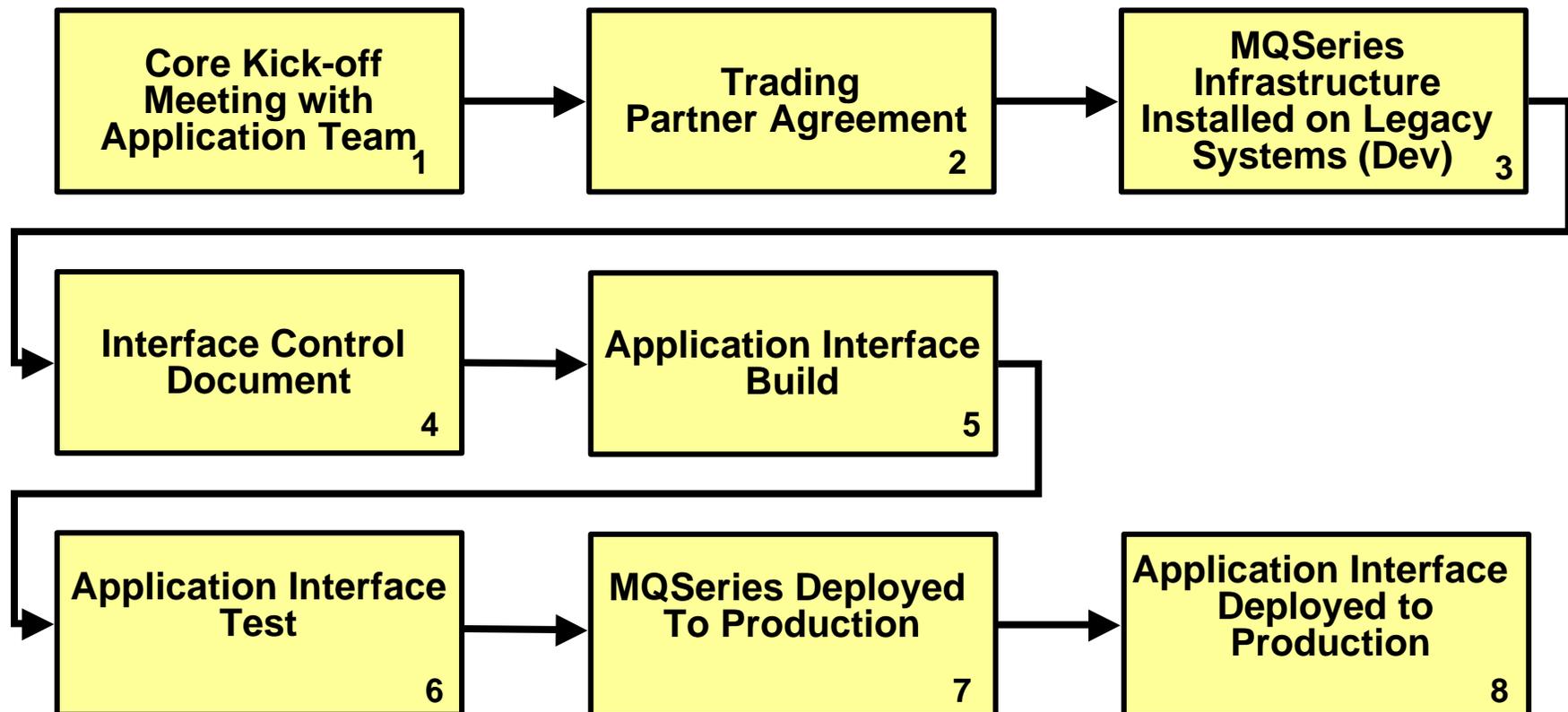


Building an EAI Interface Is a Joint Effort

<i>Task</i>	<i>EAI Team Responsibility</i>	<i>Application Team Responsibility</i>
Identify target machine	Support	Primary
Assess Target Machine (HW Capacity, OS Versions, etc.)	Primary	Primary
Install MQ Software (MQ Series, Data Integrator, MQMon)	Primary	Support
Configure MQ Software and Verify (May include building an interface for test purposes)	Primary	Support
Identify Application Interface Functions (Define functional requirements, formats, layouts, Prepare Interface Control Document)	Support	Primary
Build Application Interfaces	Support	Primary
Test Interfaces	Support	Primary
Migrate Into Production	Primary for Infrastructure	Primary for Application Interface



Steps to implement Interfaces.



Cost Summary



**Development
Costs**

+

**Operations
& Maintenance
Costs**

=

Total Cost

Agenda



EAI Core Support Services

How to get “On the Bus”

Status

Summary of Interfaces

Major Issues



Issue	Status
<p>MQSeries is not stable on the DLSS Open VMS machines. ACS shut it down in production because it was crashing the system.</p>	<p>Trace data is being analyzed at the IBM solution center.</p> <p>Looks like adding memory will solve the problem.</p>

Agenda



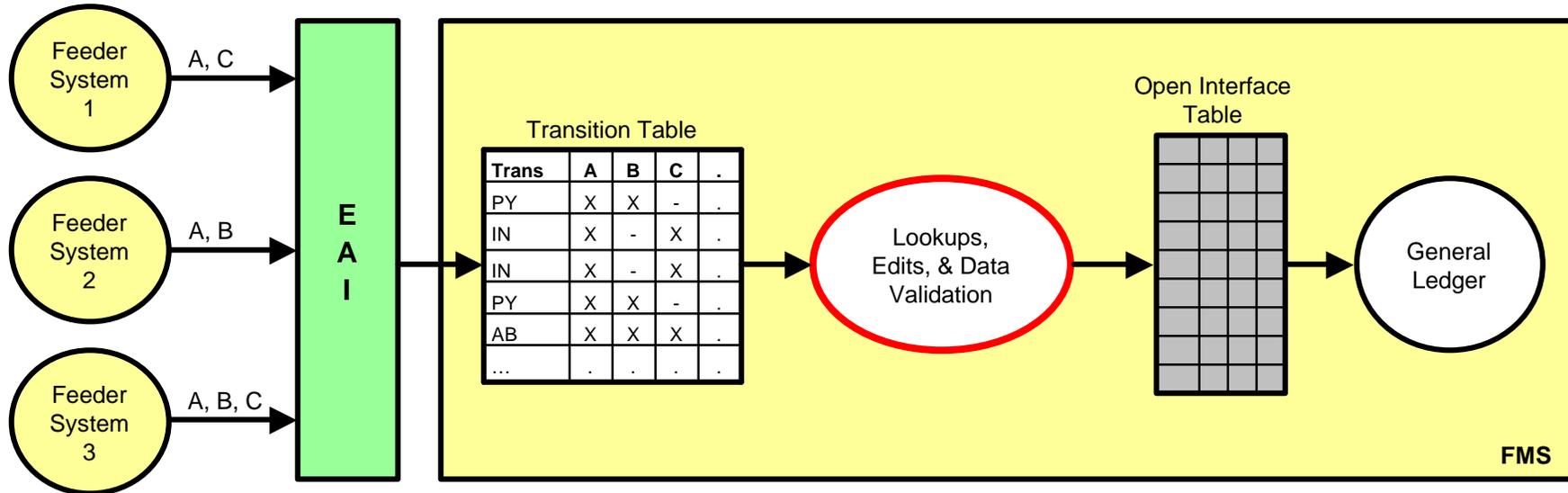
EAI Core Support Services

How to get “On the Bus”

Status

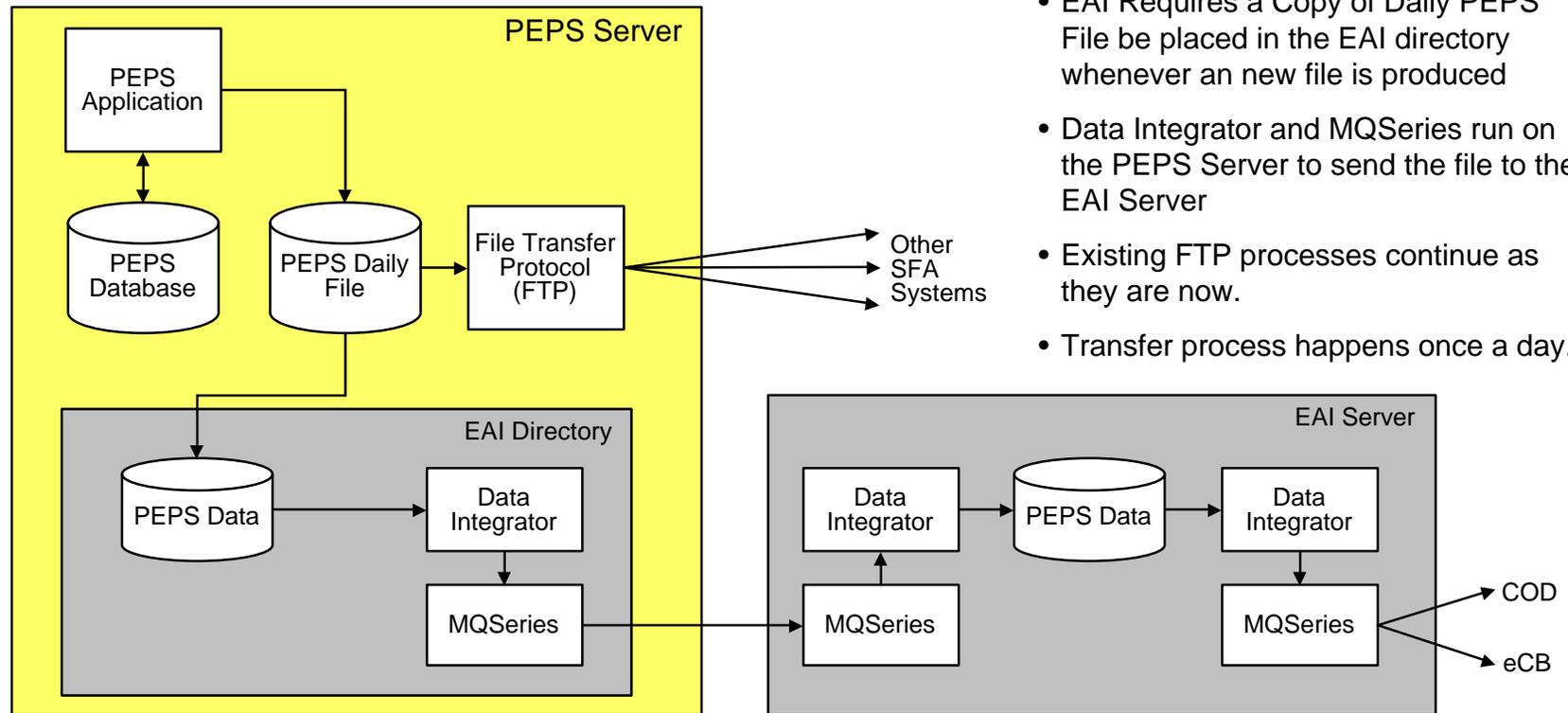
Summary of Interfaces

The FMS - EAI Interface Approach Utilizes a Transition Table to Map Feeder System Data Elements Into FMS



Feeder Systems	EAI	Transition Table	Data Loading	OI Table	FMS Module
<ul style="list-style-type: none"> • Provide data according to own format • Different systems may provide different data elements 	<ul style="list-style-type: none"> • Routes data to appropriate Transition Table and Column • Converts data formats as necessary • Validates basic data formats 	<ul style="list-style-type: none"> • Contains columns for all possible data elements • Source system is implied by the data 	<ul style="list-style-type: none"> • Performs feeder specific processing • Performs table lookups • Performs data validation and edits 	<ul style="list-style-type: none"> • Presents input data for Module processing • One Open Interface Table for each FMS Module 	<ul style="list-style-type: none"> • One FMS Module each for General Ledger, Accounts Payable, Accounts Receivable

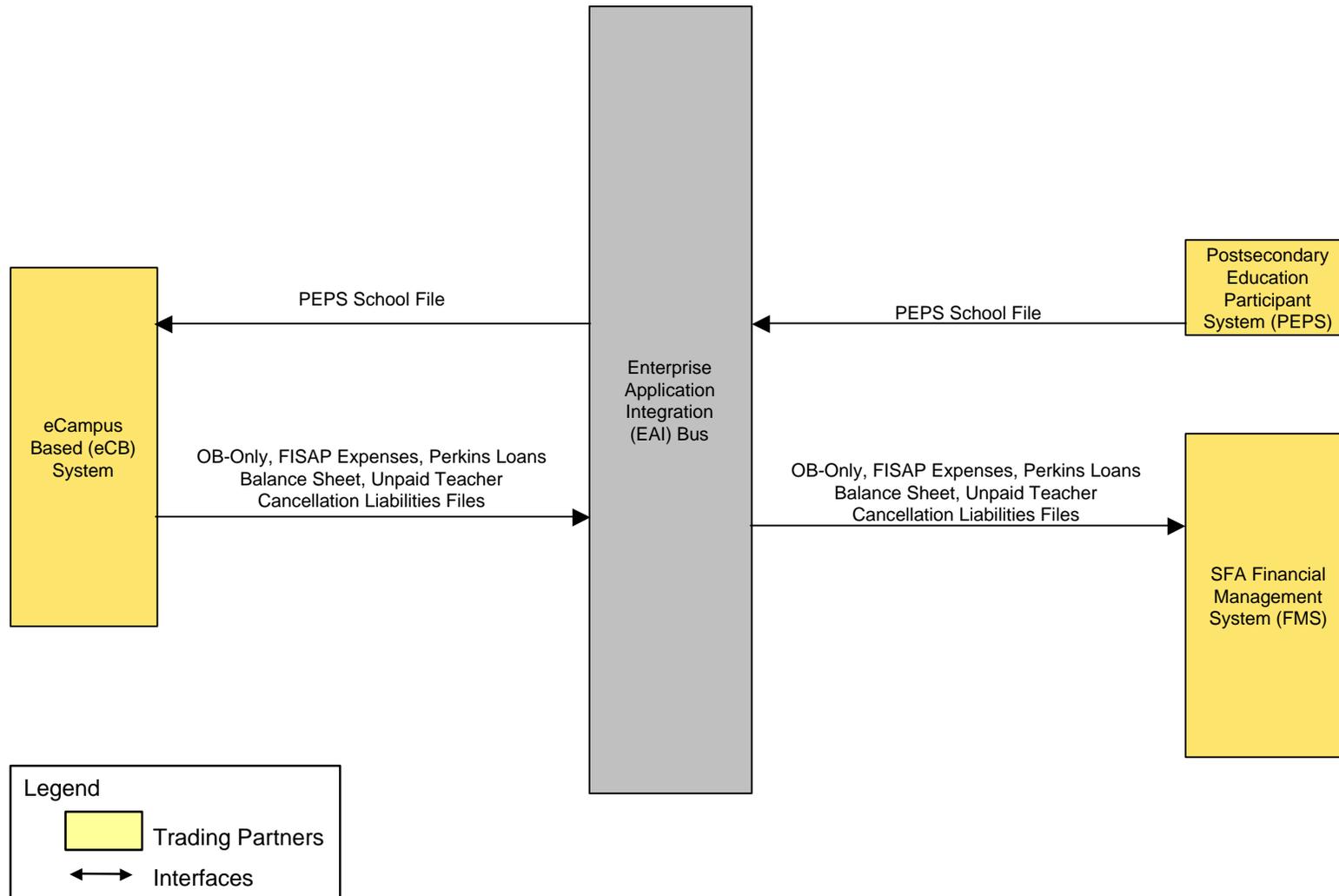
The PEPS EAI Interface Minimizes the Impact on PEPS Resources



- EAI Requires a Directory and Workspace on PEPS Server
- EAI Requires a Copy of Daily PEPS File be placed in the EAI directory whenever a new file is produced
- Data Integrator and MQSeries run on the PEPS Server to send the file to the EAI Server
- Existing FTP processes continue as they are now.
- Transfer process happens once a day.

EAI is NOT requesting direct access to the PEPS database.

Communication between eCB & Trading Partners is achieved through Interfaces & the EAI Bus.



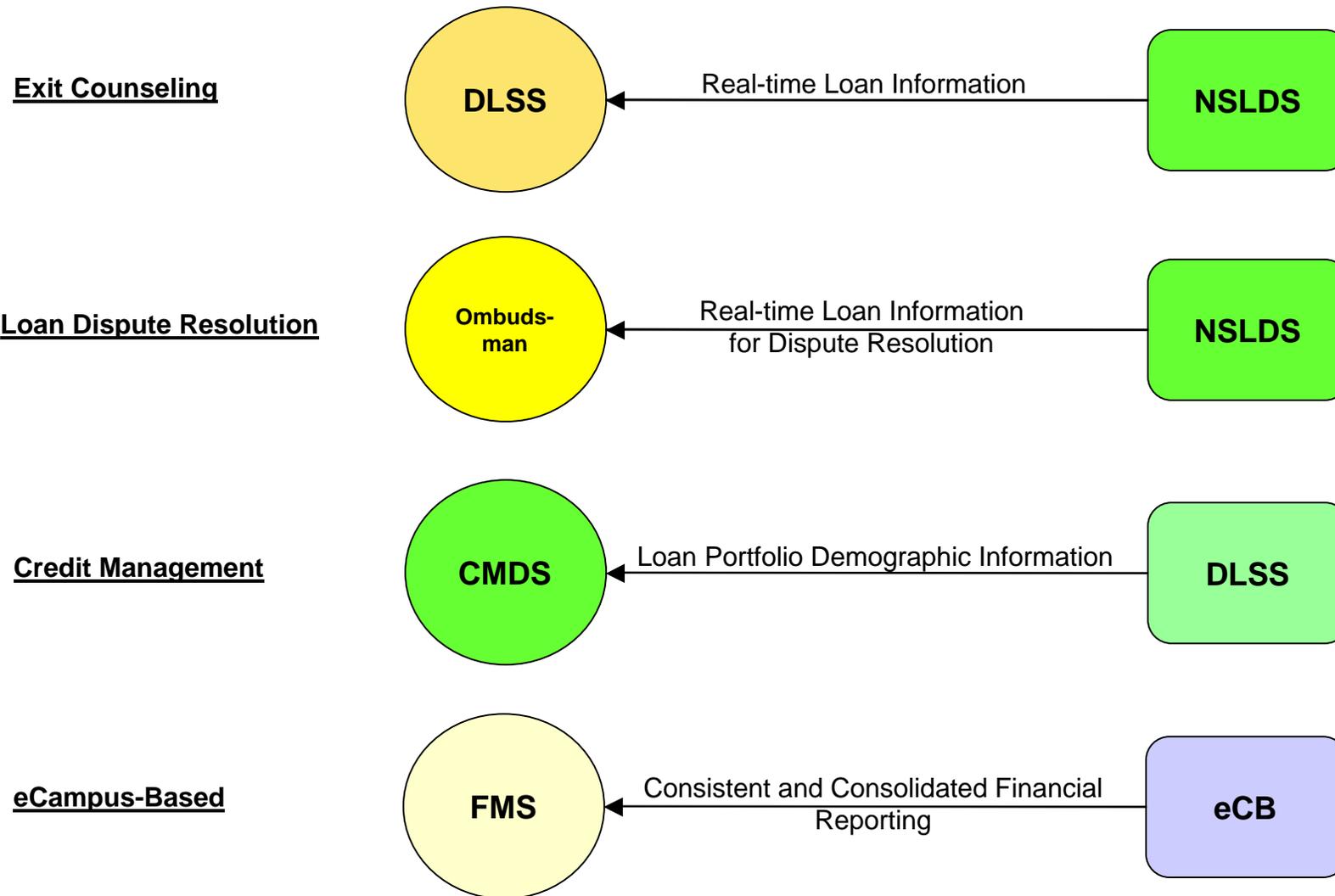


Business Function Roll-Out Strategy

Business Function	Go-Live Date	Systems	EAI Role
Direct Loan Exit Counseling	12/7/2001	NSLDS DLSS	<ul style="list-style-type: none"> Provides reliable, performance enhanced, NSLDS-based loan status information to Direct Loan holders during web-based exit counseling.
Ombudsman Case Resolution	12/7/2001	NSLDS OCTS	<ul style="list-style-type: none"> Provides automation of the NSLDS-based loan information to Ombudsman case workers.
Direct Loan Portfolio Analysis	1/21/2002	DLSS CMDM	<ul style="list-style-type: none"> Provides Direct Loan transaction details and demographic information to the Credit Management DataMart (CMDM) to support Direct Loan portfolio analysis.
School Eligibility Verification (Part A)	2/15/2002	PEPS eCB	<ul style="list-style-type: none"> Validates school eligibility for Campus-Based awards.
School Eligibility Verification (Part B)	3/18/2002	PEPS COD	<ul style="list-style-type: none"> Validates school eligibility for Direct Loan and Pell.
Student Eligibility Verification	3/18/2002	CPS COD	<ul style="list-style-type: none"> Validates student eligibility for Direct Loan, Pell and Campus-Based awards.
Financial/Non-Financial Accounting	3/18/2002	COD FMS	<ul style="list-style-type: none"> Posts and records Direct Loan and Pell financial and non-financial accounting events.
Direct Loan Tracking	3/18/2002	COD DLSS	<ul style="list-style-type: none"> Posts loan bookings to enable repayment and deferment calculation.

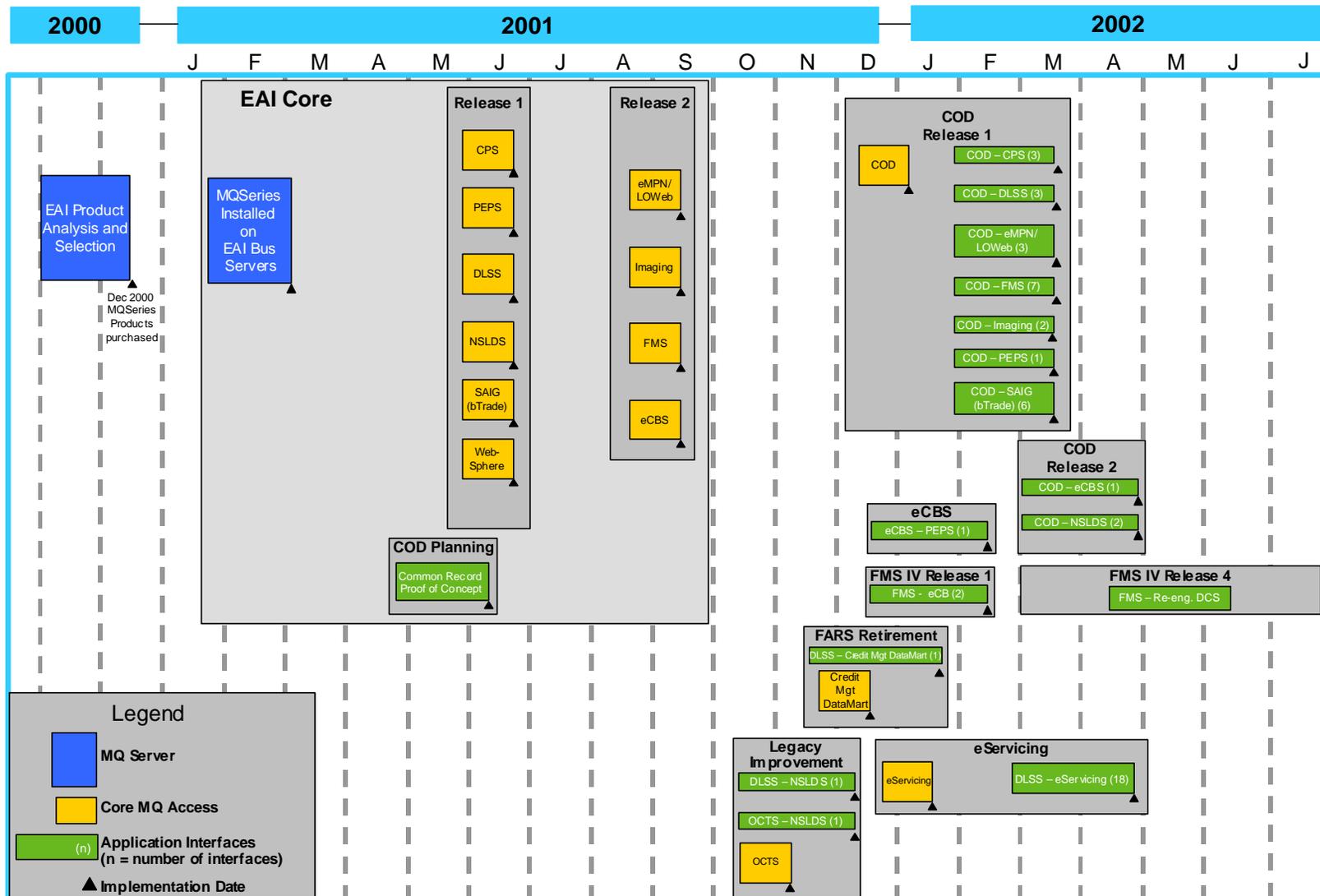


Other EAI-enabled, SFA legacy system interactions.



* eCB EAI integration requires Channel approval prior to proceeding with rollout.

The EAI Modernization effort is on schedule to provide middleware support for the Modernization applications through 2002.

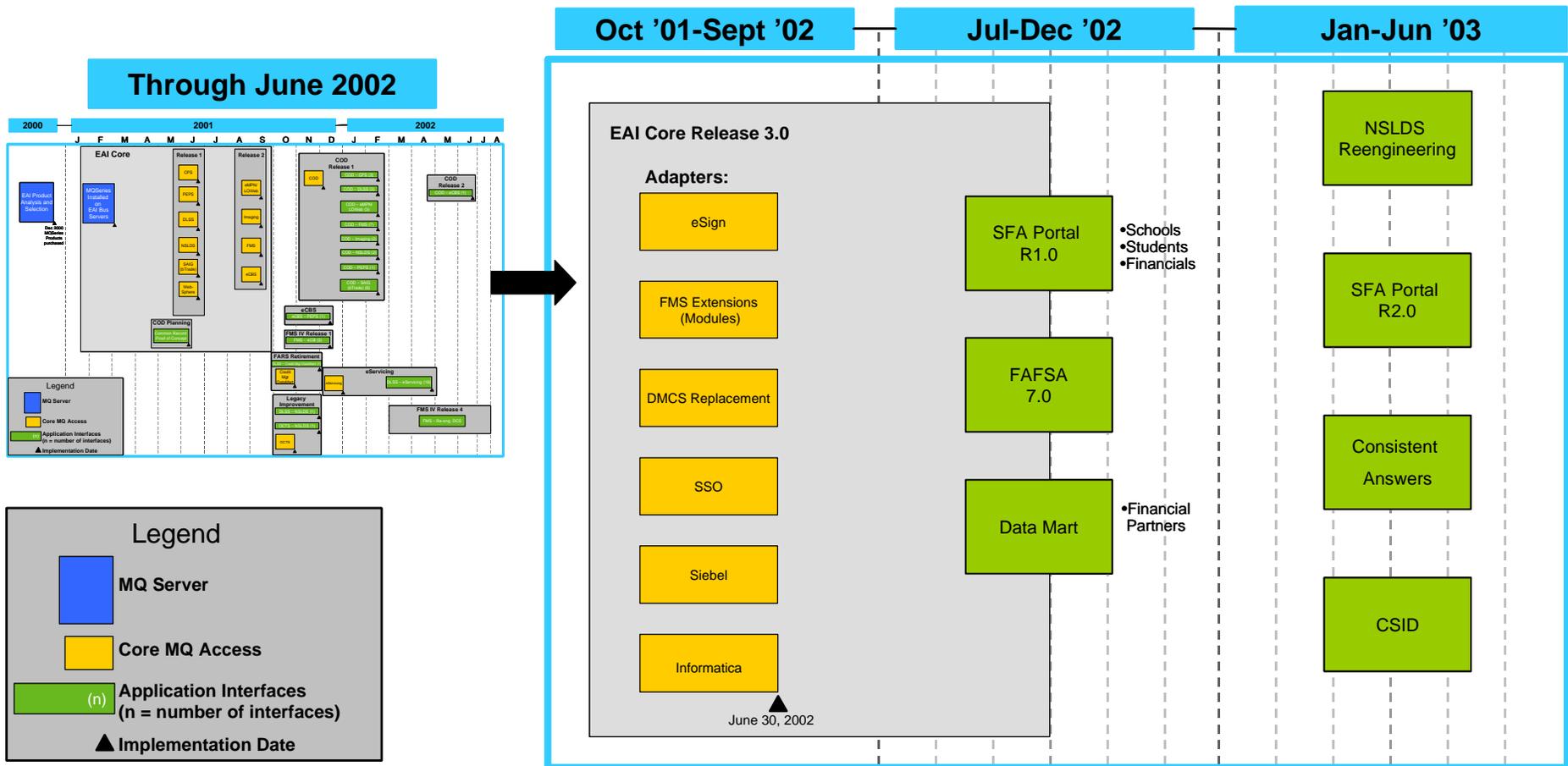


Updated as of 20 November 2001



EAI Modernization Integration Management Plan (Through 2003)

As new applications are built, adapters will have to be created to connect the systems to the EAI Bus. Integration services will be required to support Modernization application development teams in using the adapters.



Next Meeting



January 10, 2002