



# Software Developers Conference Final Agenda

## Day One (August 14)

9:00 a.m. - 9:15 a.m.	<b>Welcome</b>
9:15 a.m. - 9:30 a.m.	<b>Data Strategy Overview</b>
9:30 a.m. - 10:30 a.m.	<b>Data Strategy</b> <ul style="list-style-type: none"><li>• <b>Technology Strategies</b></li><li>• <b>Routing ID</b></li></ul>
10:30 a.m. - 10:45 a.m.	<b>Break</b>

10:45 a.m. - 11:30 a.m.	<b>XML Framework</b> <ul style="list-style-type: none"> <li>• <b>Common Record</b></li> <li>• <b>Common Line</b></li> </ul>
11:30 a.m. - 1:00 p.m.	<b><i>Lunch (on your own)</i></b>
1:00 p.m. - 2:00 p.m.	<b>Standard Student Identification Method</b>
2:00 p.m. - 2:45 p.m.	<b>Panel of Experts</b>
2:45 p.m. - 3:00 p.m.	<b>Hardware/Software Update</b>
3:00 p.m. - 3:15 p.m.	<b><i>Break</i></b>
3:15 p.m. - 5:15 p.m.	<b>CPS Processing and Changes for 2004-2005</b> <ul style="list-style-type: none"> <li>• <b>FASFAs</b></li> <li>• <b>EDEExpress</b></li> <li>• <b>ISIR Data Mart</b></li> <li>• <b>Record Layout</b></li> <li>• <b>Testing</b></li> </ul>

## Day Two (August 15)

9:00 a.m. - 11:00 a.m.	<b>COD Processing and Changes for 2004-2005</b> <ul style="list-style-type: none"><li>• <b>Record Layout</b></li><li>• <b>Testing</b></li></ul>
11:00 a.m. - 11:15 a.m.	<b><i>Break</i></b>
11:15 a.m. - 11:45 a.m.	<b>Questions and Answers</b>
11:45 a.m. - 12:15 p.m.	<b>Conference Wrap-up</b> <ul style="list-style-type: none"><li>• <b>Next Software Developers Conference: November 6, 2003, San Diego, CA</b></li></ul>

**U.S. DEPARTMENT OF EDUCATION  
FEDERAL STUDENT AID**

**AUGUST 2003 SOFTWARE DEVELOPERS CONFERENCE  
LIST OF PRESENTERS AND CONTACT INFORMATION**

**“Data Strategy Overview”**

Jerry Schubert  
202-377-3009  
[jerry.Schubert@ed.gov](mailto:jerry.Schubert@ed.gov)

**“Data Strategy”**

Keith Wilson  
202-377-3591  
[keith.Wilson@ed.gov](mailto:keith.Wilson@ed.gov)

**“Technology Strategies”**

Denise Hill  
202-377-3030  
[denise.hill@ed.gov](mailto:denise.hill@ed.gov)

**“Routing ID”**

Paul Hill, Jr.  
202-377-4323  
[paul.hill.jr@ed.gov](mailto:paul.hill.jr@ed.gov)

**“XML Framework – Common Record”**

Holly Hyland  
202-377-3710  
[holly.hyland@ed.gov](mailto:holly.hyland@ed.gov)

**XML Framework – CommonLine”**

Tim Cameron

202-822-2106

[tcameron@nchelp.org](mailto:tcameron@nchelp.org)

**“Standard Student Identification Method”**

Martha Picarello

703-947-3825

[martha.g.picarello@accenture.com](mailto:martha.g.picarello@accenture.com)

**“Hardware/Software Update”**

Paul Hill, Jr.

202-377-4323

[paul.hill.jr@ed.gov](mailto:paul.hill.jr@ed.gov)

**“CPS Processing Changes for 2004-2005”**

Teri Hunt

Contact Bev Allen or Larry Adams at 1-800-330-5947

**“COD Processing Changes for 2004-2005”**

Rosemary Beavers

Lori Clemmensen

Jim McMahon

[codsupport@acs-inc.com](mailto:codsupport@acs-inc.com)

# Software Developers Conference

August 14-15, 2003

Crystal Gateway Marriott  
Arlington, VA



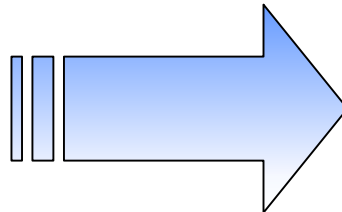
# Welcome and Conference Agenda

- Data Strategy
- XML Framework
- Standard Student Identification Method
- Panel of Experts
- Hardware/Software Update
- CPS Processing Changes for 2004-2005



# Welcome and Conference Agenda (cont')

- COD Processing Changes for 2004-2005
- Questions & Answers
- Conference Wrap-Up





# FSA Data Strategy Overview

- Need for FSA Data Strategy
- FSA Data Strategy Initiatives
- FSA Data Strategy Approach
- FSA Data Strategy Status
- Next Steps



# Need for FSA Data Strategy

**FSA needs a Data Strategy to achieve...**

- **Cross-Program Integration**
- **Improved Data Quality**
- **Improved Organization and Distribution of Data**
- **An Enterprise Data Storage Strategy**



# FSA Data Strategy Initiatives

- FSA Data Strategy is the integration of six key initiatives:
  - **Data Framework**
    - ◆ As-Is and Target State Data Flows
    - ◆ Data Quality Team
    - ◆ Quality Assurance and Implementation Plan
  - **Technical Strategies**
    - ◆ Internal and External Data Exchange and Access
    - ◆ Web Portals
    - ◆ Web Services
    - ◆ Data Warehouse / Data Mart / Storage

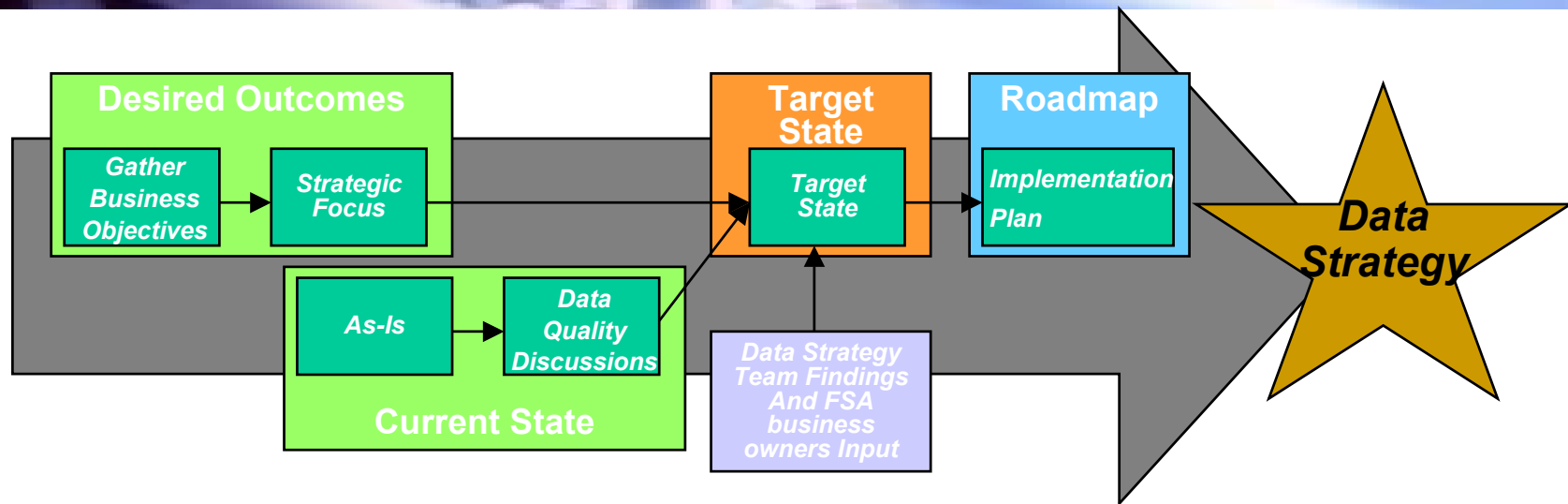


# FSA Data Strategy Initiatives (cont')

- **Common Identifiers**
  - ◆ Standard Student Identification Method
  - ◆ Routing ID
- **XML Framework**
  - ◆ XML ISIR, COD
  - ◆ XML Registry and Repository
- **Enrollment and Access Management**
  - ◆ Business Objectives and High Level Requirements
  - ◆ High-Level Design
- **SAIG Capacity Analysis**
  - ◆ Impact of XML ISIR / increased XML usage on the SAIG



# FSA Data Strategy Approach



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



# Where We Are Today

The Data Strategy Teams have confirmed several key findings:

- Data should be organized by business process, not by system.
- Providing data access to business experts is a key component to improving the enterprise's ability to make informed business decisions.
- Need centralized visibility and data flow control of the end to end interface process.
- Verified that using a Matching Algorithm with SSN, First Name, Last Name, and DOB is the most flexible and tolerant way to identify customers.
- Need to develop a single Enterprise solution for all trading partner identification and access.
- "As-Is" Data Flow discussions have facilitated a broader understanding of End-to-End business processes across all FSA program areas.



# Data Quality Team Progress



Input Gathering	<ul style="list-style-type: none"><li>■ Gathered, Validated and Prioritized Data Quality Issues with FSA business owners.</li><li>■ Gathered, Validated and Prioritized Data Quality Issues from other staff who compile cross program data for analysis.</li></ul>
Consensus	<ul style="list-style-type: none"><li>■ Performed enterprise prioritization of Issues - Top 10</li><li>■ Validated “Quick Hits” for faster action</li></ul>
Community Input	<ul style="list-style-type: none"><li>■ Focus Groups- 2003 Spring Conference and 2003 NASFAA Conferences</li></ul>
Reports	<ul style="list-style-type: none"><li>■ Received the Data Quality Report</li></ul>



# Data Strategy Next Steps



Community Input	<ul style="list-style-type: none"><li>■ SDC November 2003</li><li>■ Focus Groups at 2003 EACs</li></ul>
Upcoming	<ul style="list-style-type: none"><li>■ Data Framework Technology Specification -- October 2003</li><li>■ XML Registry and Repository -- October 2003</li><li>■ Technology Vision and Strategies Plan -- November 2003</li><li>■ Quality Assurance and Strategic Implementation Plan - November 2003</li></ul>







# Thank You!

Jerry Schubert  
Jerry.Schubert@ed.gov  
202.377.3009



# Software Developers Conference

August 14-15, 2003

Crystal Gateway Marriott  
Arlington, VA



# Data Strategy Agenda

- Data Quality Approach
- Mad Dog Meetings and Outcomes
  - ◆ Common Identification Methods
  - ◆ Reconciliation and Analytics
  - ◆ Education and Communication
- Focus Group Recap
- Next Steps



# Data Quality Approach

- Within the Data Strategy initiative there are two Data Quality Components.

- ◆ Data Quality Mad Dog -  
Speed and Priority focused



- ◆ Data Quality Assurance  
Plan - Long Term  
repeatable processes



# Mad Dog Meetings



- The Mad Dog Team's goal was to identify issues that, when addressed, will have the highest impact on FSA's Strategic Objectives. After prioritizing in this manner, the team concluded that these issues naturally fell into the following groups:
  - ◆ Common Identification Methods for Students, Trading Partners and Aid
  - ◆ Data Exchange Improvements and Isolated Data Cleansing
  - ◆ Education and Communication Regarding Data Usage for Analytics



# Mad Dog: Common Identification Methods

- The Mad Dog recommended the adoption of three key common Identification Methods that would enhance FSA data quality.
  - ◆ Standard Student Identification Method (SSIM)
  - ◆ Routing ID (RID)
  - ◆ Common Loan Identifier
  
- Key Benefits of these identifiers include:
  - ◆ More reliable student financial aid history
  - ◆ Easier cross program analysis and reconciliation
  - ◆ More complete tracking of loans within a consolidation



# Mad Dog: Reconciliation and Analytics

- The Mad Dog recommended the enhancement or correction of data processing in the following areas:
  - ◆ FFEL Loan data collection regarding defaulted loans
  - ◆ Impacts to EFC and disbursement results
  - ◆ Enrollment and Graduation Status
  - ◆ PLUS Loan borrower verification
- Key Benefits of these actions would include:
  - ◆ Higher quality data feeds into the FSA Collections process
  - ◆ More informed Loan Program budgeting
  - ◆ Reduction in opportunities for Waste, Fraud and Abuse



# Mad Dog: Education and Communication

- The Mad Dog recommended revised and enhanced communication and education regarding the following subjects:
  - ◆ FFEL Loan detailed data reporting timing and content
  - ◆ SAIG enrollment procedures
  - ◆ Reconciliation of AMF and VFA fee payments
  
- Key Benefits of these actions would include:
  - ◆ More informed use of FSA data for analytic purposes
  - ◆ Stronger security regarding the use of the SAIG
  - ◆ More uniform understanding and processing of fee payments





# Focus Group Session Recap



- Convened a Focus Group
- Discussed impacts and feedback regarding:
  - ◆ SSIM
  - ◆ RID
  - ◆ External Data Exchange
  - ◆ Data Quality
  - ◆ Common Line Initiatives
- Summary of Outcomes



# Next Steps: Quality Assurance Plan

- The Data Quality Mad Dog Report serves as the catalyst for establishing an on-going, enterprise wide data quality methodology.
- The next step in this process is the creation of a Data Quality Assurance Plan that will define this concept in more detail and provide the framework necessary to create a viable quality assurance strategy.
- Implementing this process will result in the creation of standard definitions and data clean-up scripts that signify the beginning of the data quality maturity at FSA.





Thank You!

Keith Wilson

[Keith.Wilson@ed.gov](mailto:Keith.Wilson@ed.gov)

202-377-3591





# **Software Developers Conference**

## **August 14<sup>th</sup>, 2003**

### **Technology Strategies**



- **Update on Web Services**
- **External Data Strategy**
  - ◆ **Key business objectives**
  - ◆ **Relation to the Overall Data Strategy**
  - ◆ **Timelines**
- **Questions**



# Update on Progress: Web Services

- The Technical Strategies team is reviewing the role of Web Services as part of the External Exchange effort.
- Continuing the focus on improved communication capabilities with external partners, the effort includes understanding how Web Services can be utilized to exchange data and answering key questions.



# What is the External Data Effort?



## External Data Exchange:

The methods used to allow external partners to access FSA internal systems and business capabilities to facilitate data exchange.



# Examining the types of External Exchange

- Transfer Method (FTP, Tape, Web Services, Paper, SAIG etc.)
- Data format and size (Flat File, XML, Compression etc.)
- Security (Access Management, Data Privacy, Enrollment, etc.)





# External Data Business Objectives



FSA Business owners outlined the initial business objectives below:

External Information Access	1	Standardize external exchange of commonly referenced data through a single, virtual, secure FSA gateway to simplify communication with FSA.
	2	Enable access to key business services for the external community.
	3	Right-Time exchange of necessary data with trading partners.
	4	Clarify, communicate, and enforce data access standards with external trading partners.



# How does External Data fit into the Data Strategy?



- Defines the data exchange standards and mechanisms for exchanging data in a more uniform way, will lead to fewer unique interfaces and “one-off” exchanges.
- Supports more efficient data transfers through reduction in the redundancy of effort and data exchange.



- Outline Current State and Business Objectives: April - June 2003
- Outline and Assess Options to meet captured objectives: August - September 2003
- High-level External Data Strategy: September, 2003
- Implementation Strategy and Sequencing Plan: November, 2003





**Thank You!**

**Denise Hill**

**[Denise.Hill@ed.gov](mailto:Denise.Hill@ed.gov)**

**202-377-3030**



# Software Developers Conference

August 14-15, 2003

Crystal Gateway Marriott  
Arlington, VA



# Routing ID-Agenda

- Current Environment Overview
- Routing ID (RID) Vision
- Routing ID (RID) Overview
- Routing ID (RID) Solution Recommendation
- Wrap Up / Questions?



# Current Environment Overview

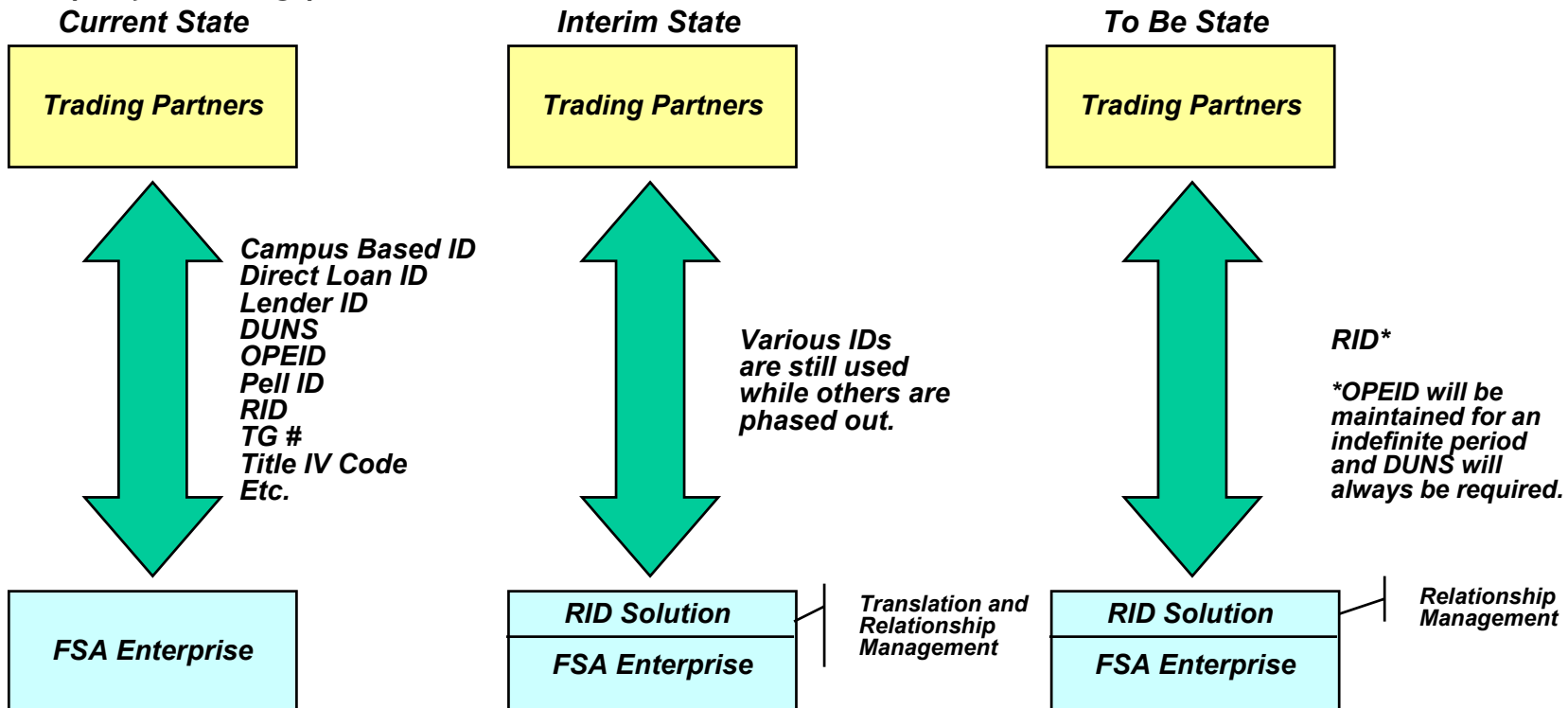
## ■ Key Problems in the Current Environment

- FSA portfolio of applications consists of 21 primary systems that trading partners use to originate, disburse, collect, and manage Title IV Financial Aid for students
- Trading partners must present different identifiers to FSA based upon the particular system they are interacting with or type of business transaction they are conducting
- There are 16 primary trading partner identifiers
- Discrepancies exist among trading partner identifiers stored within current systems
- FSA is unable to easily gather information about a trading partner or a target group across the enterprise
- Trading partner relationships cause confusion among community and create ongoing maintenance issues



# Routing ID (RID) Vision

The Routing ID (RID) will provide FSA trading partners a means to interact with FSA systems and services using a single common identifier across the enterprise, irrespective of system or function. This will result in increased data quality, enhanced oversight capability, and simplify trading partner interactions with FSA.





# Routing ID (RID) Overview

- RID Objectives
  - Single Common Identifier
  - Enterprise solution for management of partners identities
    - Leverage non-descriptive identifier for each trading partner
    - Enhance process to create/maintain relationships among partners
    - Develop ability to easily segment and report on FSA trading partners
    - Reduce FSA administrative effort required to maintain partner identifiers
  - Minimize impact to established Trading Partner interactions through a gradual phase-in approach
  - Increase data quality of information maintained about FSA Trading Partners



# Routing ID (RID) Overview

## ■ RID Format Recommendations

- Eight character numeric key
- Randomly generated number

## ■ Benefits of a new Randomly Generated Number

- A “dumb” number allows values in key to signify nothing about the numbered trading partner besides its identity
- Allows for 9,999,999 RIDs - clearly sufficient for all foreseeable future growth
- Eliminates confusion created by applying new meaning to a previously used number (e.g., giving trading partner identifier meaning to TG #)
- Eliminates maintenance cost associated with keeping RID values in sync with other trading partner identifiers
- Can be applied uniformly to all trading partner entities



# Routing ID (RID) Solution Recommendation

## Integrated Partner Management Framework

Schools, Guarantee Agencies, Lenders, Third Party Servicers, State Agencies, Software Developers and Auditors

Web Application Interfaces	Integrated View Services Data Access Service	Enrollment Management	Eligibility Management	School On-Going Oversight	Financial Partner On-Going Oversight	Enterprise Routing Identifier (RID) Services
		<ul style="list-style-type: none"> <li>Integrated Application and Enrollment Processing - Process Requests, Determine Access</li> <li>Institution-level System Enrollment and Single Sign Up (SSU)</li> <li>Initial RID Assignment</li> </ul>	<ul style="list-style-type: none"> <li>New Trading Partner Applications</li> <li>Re-certifications</li> <li>Program Participation Management</li> <li>Appeals</li> <li>Proactive Eligibility Management</li> </ul>	<ul style="list-style-type: none"> <li>Program Eligibility Oversight: Audits, financial statements, default rate calculations</li> <li>Compliance Reviews: Risk assessment, accreditation, student complaints, funding parameters, referrals</li> <li>Eligibility Actions (FPRD, Fines, LOC, LS&amp;T, Referrals)</li> <li>Appeals</li> <li>Proactive Oversight, Monitoring, and Support</li> </ul>	<ul style="list-style-type: none"> <li>Program Eligibility Oversight: Audits, financial statements, Compliance Reviews: Risk assessment, referrals</li> <li>Eligibility Actions</li> <li>Appeals</li> <li>Proactive Oversight Monitoring, and Support</li> </ul>	
		Reporting and Audit Services				
Portals		Profile and Demographics Management				
		<ul style="list-style-type: none"> <li>Demographics Management</li> <li>Relationship and Affiliation Management - Enterprise RID Management</li> </ul>				
FSA Gateway		Access Management				
		<ul style="list-style-type: none"> <li>Individual User Access Management</li> <li>Roles based Single Sign Up (SSU)</li> <li>Trading Partner Self-Administered Access</li> </ul>				
Customer Support						
Workflow Management						
FSA; Other Government Agencies						



# Wrap Up / Questions?





# Thank You!

Paul Hill, Jr.

Paul.Hill.Jr@ED.GOV

202.377.4323





## Executive Summary

### *Project Overview*

The Office of Federal Student Aid (FSA) is seeking to deliver overall improvements in the areas of data quality and data consistency. FSA is focused on its overall approach towards data to ensure that accurate and consistent data is exchanged between its customers, partners, and compliance and oversight organizations. FSA will also leverage a targeted data strategy to support the enterprise-wide goals of maintaining a clean audit and removing FSA from the General Accounting Office (GAO) high-risk list.

Senior FSA leadership has created a performance plan with several action items designed to remove FSA from the GAO High-Risk List. The Data Strategies Enterprise-Wide project addresses the action items focused on data quality, storage, and exchange. The Extensible Markup Language (XML) Framework is a core technical component of the overall FSA Data Strategy Enterprise-Wide initiative.

### *Scope*

The XML Framework Strategic Assessment and Enterprise Vision is a document that provides a detailed roadmap of the strategy and rationale behind the XML Framework. The XML Framework, as it is envisioned, will provide the technical foundations for standardizing data exchange, as FSA proceeds with implementations as recommended by the Data Strategy Enterprise-Wide initiative.

### *Drivers*

The XML Framework has been developed to address the following strategic drivers for FSA:

- Simplify and standardize data exchange with internal and external trading partners.
- Deliver consistent and accurate data across the enterprise-level systems at FSA.
- Achieve enterprise-wide efficiencies related to better data exchange standards and policies.
- Strengthen FSA's relationship with the government and financial aid community data standards bodies, to support industry wide data exchange standards.

### *Vision*

The XML Framework Vision is:

*FSA will use XML, via a single set of enterprise and community standards, to simplify and streamline data exchange across postsecondary education.*

The XML Framework will enable FSA to realize the benefits of fully integrating XML as an enterprise-wide standard for internal and external data exchange. By establishing enterprise-wide XML standards and policies, this vision represents a strategic shift in FSA's approach to data exchange and modeling and will enable FSA to take full advantage of XML's position as the industry standard for data exchange, as well as XML's more advanced technical capabilities.



### *Goals*

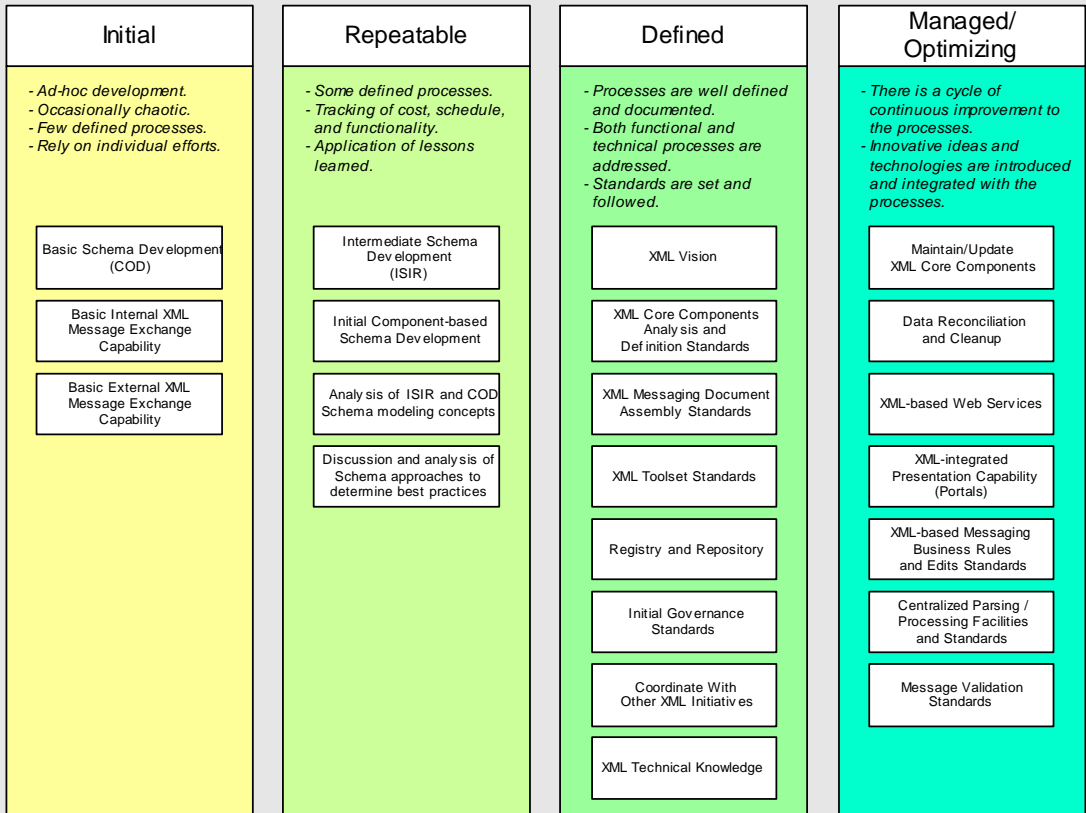
By establishing XML standards and governance processes, FSA's Enterprise XML Vision will enable FSA to meet the XML Framework's strategic drivers. Specifically, the Framework will enable FSA to achieve the following nine goals.

- **Data Exchange Standard** – Standardize FSA's data exchange using XML as the data exchange technology standard.
- **Consistent and Accurate Data** – Achieve consistent and accurate data. The framework will define data standards, as XML entities, for data exchange to achieve consistent and accurate data.
- **Data Cleanup and Maintenance** – Enable data cleanup and maintenance activities. The framework will utilize commonly-defined XML Core Components and XML-based tools to enable the data cleanup and data maintenance activities, as part of the larger Data Strategy Enterprise-Wide initiative.
- **Standard Data Tools and Processes** – Establish standard data tools and processes, to support consistently performed data/XML modeling through standard tools and processes. These standards will be aligned with community and government standards initiatives.
- **System Flexibility** – Provide system flexibility to simplify future interface changes and support new application and data exchange requirements, through XML-based data modeling for system interfaces.
- **Data Modeling Best Practices** – Use XML and Data Modeling best practices in order to model key business data for exchange and storage.
- **Governance** – Establish an XML governance process to maintain and refresh FSA's XML capabilities.
- **Communication** – Define processes to ensure timely and accurate communications with FSA's business partners (e.g., Schools, Guaranty Agencies, Third Party Servicers, Software Providers, etc.) regarding XML implementations and changes.
- **Service-Oriented Architectures** – Develop an XML infrastructure that supports usage of advanced capability, such as Service Oriented Architectures (SOA) and real-time transactions.

### *Approach*

FSA's Enterprise XML Framework approach is presented in an Integration Partner developed model, called the XML Maturity Model. This model provides a sequencing plan for FSA to incrementally standardize and improve its usage of XML across the enterprise. The activities and sequence are aligned with FSA's key business objectives. The XML Maturity Model is based on previous XML development at FSA, XML case studies, general industry trends, and key principles from Carnegie Mellon's Software Engineering Institute (SEI) Capability Maturity Model (CMM). The resulting XML Maturity Model provides a phased approach to implementing XML as an enterprise standard within FSA. The model also provides a roadmap against which FSA can measure its progress.

# XML Maturity Model for FSA



\* Each level builds upon the principles of the previous levels.



# Software Developers Conference

August 14-15, 2003

Crystal Gateway Marriott  
Arlington, VA





# XML Framework



# Common Record Estimated Implementation Schedule



<b>02-03</b>		<b>Common Record – COD v 1.0g</b>
<b>03-04</b>		<b>Common Record –COD 2.0c (changed all tag names)</b>
<b>04-05</b>		<b>Common Record –COD 2.0d (+2 new tags – 6 old tags)</b>
<b>05-06</b>	<b>Common Record – ISIR 1.0a Align with standard</b>	<b>Common Record – COD 3.0 Align with standard (XML Required)</b>
<b>06-07</b>	<b>Common Record – ISIR 1.0a (XML Required)</b>	<b>Common Record – COD 3.0a</b>
<b>07-08</b>	<b>Common Record – ISIR 1.0a</b>	<b>Common Record – COD 3.0b</b>



- XML Strategic Assessment and Enterprise Vision
- XML Technical Reference and Usage Guidelines
- XML Core Component Dictionaries
- XML Registry and Repository
- XML Framework Communications Strategy
- XML ISIR Performance Test and SAIG Capacity Plan





Thank You!

Holly Hyland

[Holly.Hyland@ed.gov](mailto:Holly.Hyland@ed.gov)

202-377-3710





# Common Record: CommonLine (CR:C)

Presented by:

Tim Cameron

Vice President of Technology Services

NCHELP

August 14, 2003



# Topics for Discussion

- Common Record: CommonLine (CR:C) Implementation Update
- CR:C Data Transport



# Common Record: CommonLine

## Progress Report

- Documentation development
  - First draft for public review - May 2003
  - Second draft for public review - June 2003
  - Final documentation - July 2003
    - ✦ Some sections remain in DRAFT form





# Implementation Discussions



- Electronic Standards Steering Committee conference call with FAMS vendors
- July 2003 Electronic Standards Committee Meeting



# Next Steps for FFELP

- Finalize documentation development
- Training, education and outreach!
  - ◆ School conference call training
  - ◆ Implementer technical training
  - ◆ Conference circuit



# CR:C Data Transport



- CRC XML records are physically larger than the CommonLine Records they replace.
- Email will probably not be able to handle the CRC records in a batch transmission due the file size.



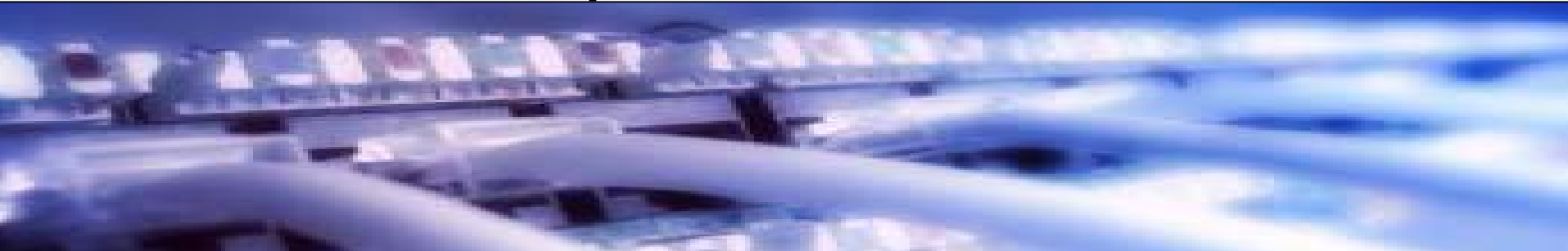
# CR:C Data Transport



- FTP will be able to handle 10Mb encrypted files, but any larger and special operational procedures are required by EEAT rules.



# CR:C Data Transport



## ■ High Performance Channel

- ◆ Many people are confusing the protocol description with reference implementation.
- ◆ SOAP has a theoretical limit of 1Mb message size, but HPCP's will address large file transmission.



# CR:C Data Transport



- There are specific items that must be accomplished :
  - ◆ The technical documentation needs to be reviewed and there are a few security issues to be addressed.
  - ◆ A business decision on a central registry solution is needed. The current preference is to duplicate the Meteor Registry system.



# CR:C Data Transport



- ◆ Outstanding items, con't:
  - ◆ Large File Transmissions solution needs to be reviewed, finalized and added to the technical documentation.
  - ◆ The reference implementation needs programmers, testers and implementers to assure that the technical documentation is realistic and reasonable.



# CR:C Data Transport



- CR:C Transport Workgroup
- Joint Application Development (JAD) Session







# Contact Information

Tim Cameron

Vice President of Technology Services

[tcameron@nchelp.org](mailto:tcameron@nchelp.org)

202.822.2106



# Software Developers Conference

August 14-15, 2003

**Crystal Gateway Marriott  
Arlington, VA**



# Standard Student Identification Method -Agenda

- Standard Student Identification Method (SSIM) Overview
- SSIM Details
  - SSIM Matching Algorithm
  - SSIM SSA Match Recommendations
  - SSIM Exceptions and Change Processing
- Feedback



# SSIM Overview



## SSIM Basics

- The Standard Student Identification Method, or SSIM, was formerly known as Common Student ID.
- The initiative's name was changed to reflect the flexibility of the chosen method, and avoid confusion that the solution would be a new unique number.
- SSIM is one of the six teams in the Overall Data Strategy Initiative working to ensure data integrity within and between FSA systems.



# SSIM Overview



## Key Identification Problems in the Current Environment

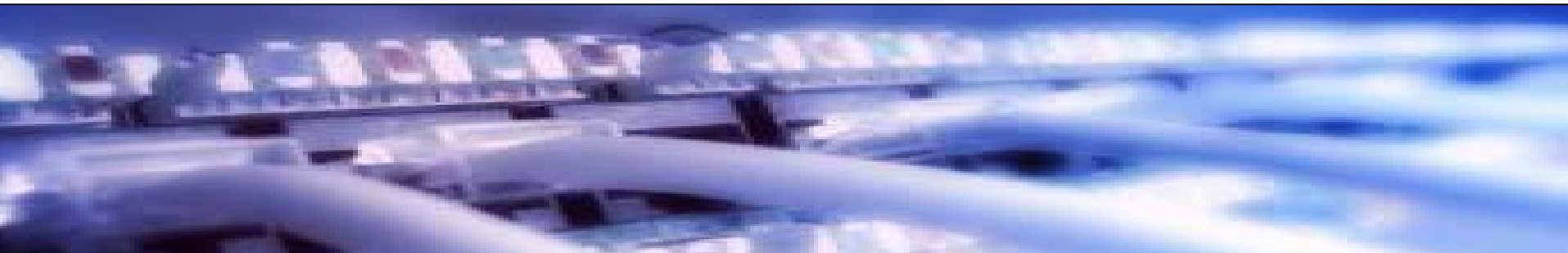
- Unique customer records can be inappropriately merged creating privacy concerns.
- A customer's records cannot be linked appropriately preventing FSA from viewing data about a customer across all phases of the lifecycle.

## Cause of the Identifier Problems

- All FSA systems may not be using the same additional identifying data. Most systems employ different rules for determining uniqueness of identities for inbound or outbound interfaces.
- Some FSA systems complete an SSN verification with SSA before data is processed; others do not perform the SSA match when new information is received.
- Changes or corrections to identifying fields (e.g., SSN) are not consistently supported or propagated throughout the FSA enterprise.



# SSIM Objective



## Objective

The Standard Student Identification Method seeks to establish a simple framework by which FSA and Delivery Partners can consistently identify students/borrowers, across all phases of the Student Aid Lifecycle.

## High Level Requirements

- Consistently and systematically link customer records across the FSA enterprise.
- Support changes and updates to key customer attributes (e.g., updates to SSN, First Name, Last Name, DOB.)
- Ensure student privacy protection; minimize unauthorized/unauthenticated access to student data.
- System identification requirements should not prevent valid customers from receiving aid or progressing through the repayment phase (e.g., deferments, rehabilitations, consolidations.)



# SSIM Solution Summary

The Standard Student Identification Method Core Team developed a *Three-Pronged Solution*.

Leverages effective, proven identifier solutions already being used in some parts of the FSA lifecycle. Roll-out of these tools and processes consistently shall tighten controls and improve data integrity/consistency.

1. Primary Identifier Verification with the Matching Algorithm
2. Additional SSA Verification
3. Consistent Exception and Change Processing



# SSIM Matching Algorithm Summary

## What is the “identifier” if using a matching algorithm?

- The matching algorithm requires a combination of data fields common to all systems.
- The primary identifier is the Social Security Number, but it will be verified through enterprise-wide business rules and tolerances with additional data fields: First Name, Date of Birth, and Last Name.

## Why a matching algorithm?

- By employing a matching algorithm, or business rules, FSA systems can consistently identify customers throughout internal data exchange and external data acceptance.
- The use of this algorithm is a proven practice within FSA internal and external data exchange (as well as other agencies and financial institutions).
- Requires data already existing in FSA systems.
- Provides flexibility in implementation.





# Matching Algorithm Rules

The matching algorithm will be a series of 4 comparisons of identifying data. Any one successful comparison constitutes a successful match.

Comparison	SSN	First Name	Date of Birth	Last Name
1 <sup>st</sup> SSN, First Name, and DOB	Current SSNs must match exactly on all 9 digits of the SSN on the student record.	3 of the first 4 significant characters of the first name must match in sequence* (in current or history), <i>or</i> alias matches exactly. Names of 3 characters or less must match exactly.	Year matches exactly; <i>or</i> Year matches plus or minus one, with month matching exactly; <i>or</i> Year matches plus or minus ten, with month and day matching exactly; <i>or</i> Date is an acceptable plug date	N/A
2 <sup>nd</sup> Transposed First and Last Names	Current SSNs must match exactly on all 9 digits of the SSN on the student record.	Three of the first four significant characters of <i>last name on incoming record</i> must match in sequence (in current or history), the first name on the receiving record. <i>or</i> alias matches exactly. Names of 3 characters or less must match exactly.	Year matches exactly; <i>or</i> Year matches plus or minus one, with month matching exactly; <i>or</i> Year matches plus or minus ten, with month and day matching exactly; <i>or</i> Date is an acceptable plug date	N/A

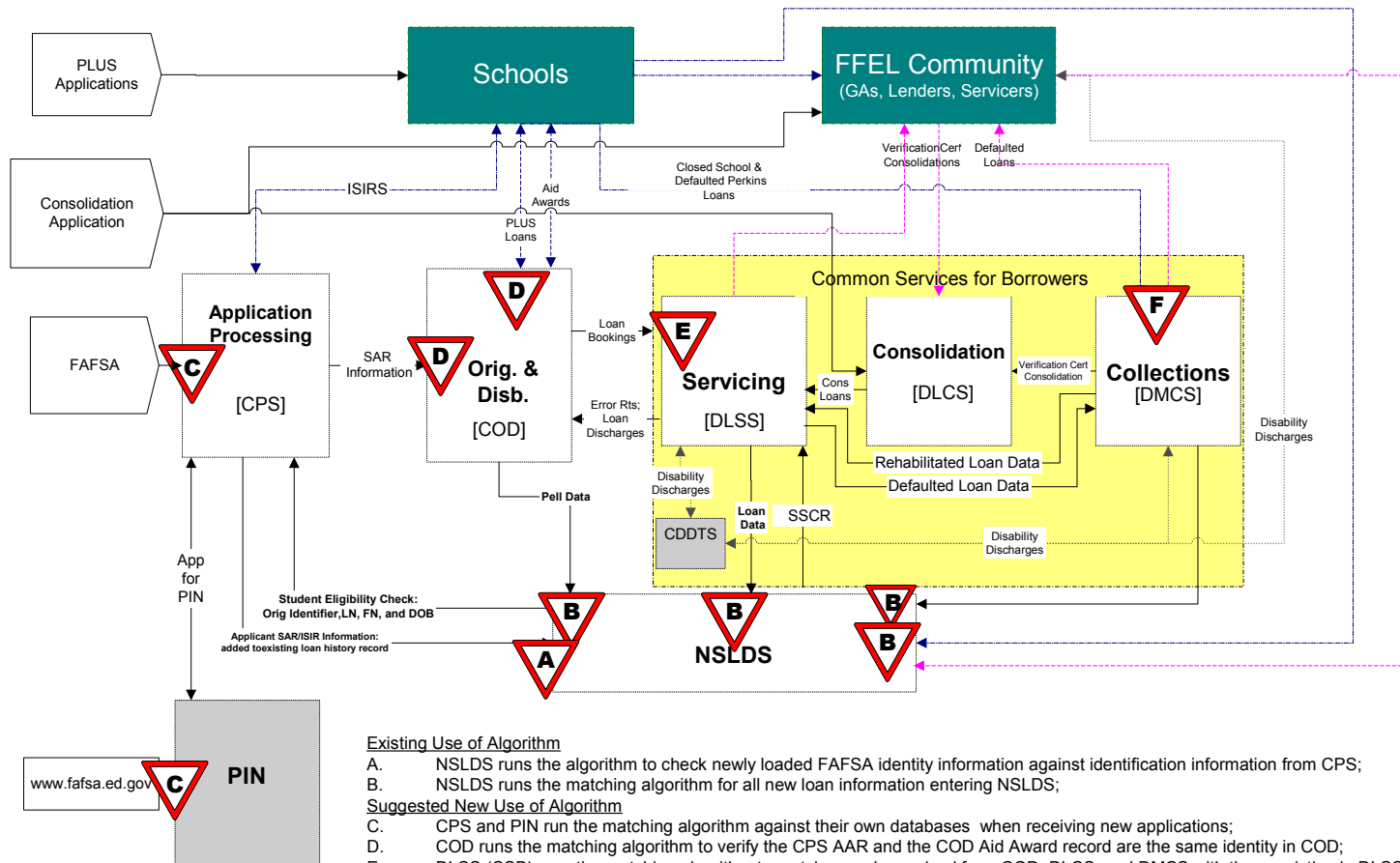


# Matching Algorithm Rules (cont'd)

Comparison	SSN	First Name	Date of Birth	Last Name
3 <sup>rd</sup> First Initial Provided for First Name w/ exact DOB	Current SSNs must match exactly on all 9 digits of the SSN on the student record.	First name begins with same letter as first initial (a name that is an initial only or an initial followed by a period, not a comma).	<i>Day, Month, and Year Match Exactly</i>	N/A
4 <sup>th</sup> First Initial Provided for First Name w/ check on Last Name	Current SSNs must match exactly on all 9 digits of the SSN on the student record.	First character of first name matches first character of first name or first initial (current or history).	Year matches exactly; <i>or</i> Year matches plus or minus one, with month matching exactly; <i>or</i> Year matches plus or minus ten, with month and day matching exactly; <i>or</i> Date is an acceptable plug date	Five of first seven significant characters of last name match in sequence (current or history).  If fewer than five characters, all characters must match.



# Recommended Matching Algorithm Use





# Exceptions and Change Processing

Appropriate communication of changes and corrections to identifier data will be determined by the customer's point in the lifecycle and the nature of the change.

- SSN changes will be communicated to all systems, regardless of lifecycle stage.
- Name and DOB changes will be communicated forward through the lifecycle, and backwards as business needs require.

***Each FSA system will send, receive and process errors and corrections through dedicated resources.***



# Feedback and Questions

- What are your impressions of the proposed solution?
- What identity-related data quality issues do you experience?
- Have you had successful resolutions to these problems?
- How would this solution impact identity-related data quality?
- What is your preferred method of communication with FSA regarding identity issues?



# Data Strategy Next Steps

- Continue to collaborate with the FSA Business Integration Group regarding Target State Vision
- SSIM - Continue with Implementation Strategy Phase
- Begin phased implementation





Martha Picarello

[martha.g.picarello@accenture.com](mailto:martha.g.picarello@accenture.com)

703-947-3825





# Software Developers Conference

August 14-15, 2003

Crystal Gateway Marriott  
Arlington, VA



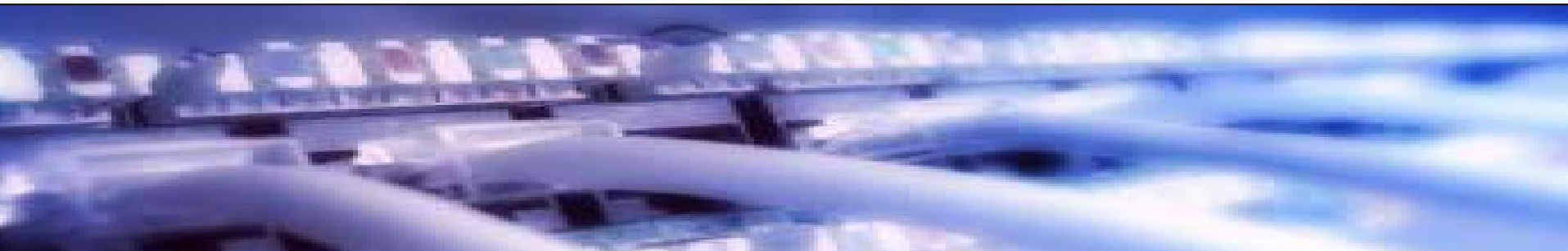
# Minimum PC Requirements



<b>Minimum Configuration – Current</b>	<b>Minimum Configuration – 1/1/2004</b>
<b>IBM or fully IBM-compatible PC</b>	<b>IBM or fully IBM-compatible PC</b>
<b>800MHz Pentium Processor or comparable</b>	<b>Intel Pentium 4 Processor – 2.80 GHZ / 533 MHZ</b>
<b>128 MB RAM</b>	<b>1 GB SDRAM</b>
<b>20 GB Hard Drive</b>	<b>80 GB Hard Drive</b>
<b>56Kbps Modem (that meets or is upgradeable to V.90 standard)</b>	<b>56Kbps Modem (that meets or is upgradeable to V.90 standard)</b>
<b>3.5”/1.44 MB Diskette Drive</b>	<b>3.5”/1.44 MB Diskette Drive</b>



# Minimum PC Requirements



<b>Minimum Configuration – Current</b>	<b>Minimum Configuration – 1/1/2004</b>
<b>Monitor and video card capable of Super Video Graphics Adapter (SVGA) (800x600) resolution (small fonts only) or higher</b>	<b>Monitor and video card capable of Super Video Graphics Adapter (SVGA) (800x600) resolution (small fonts only) or higher</b>
<b>Windows 95 Keyboard with Microsoft compatible mouse</b>	<b>Windows 95 Keyboard with Microsoft compatible mouse</b>
<b>Laser printer capable of printing on standard paper (8.5” x 11”)</b>	<b>Laser printer capable of printing on standard paper (8.5” x 11”)</b>
<b>24x CD-ROM Drive or higher with sound board</b>	<b>48x CD-ROM Drive or higher with sound board (*Recommended CD-RW drive)</b>

# Download Times – All Downloads

Batch Size (Number of ISIRs)	Maximum Compressed Batch Size	Download Times (56 Kbps)	Download Times (DSL: 640 Kbps)	Download Times (T1: 1.5 Mbps)
Small (<254)	375 KB	< 2 Minutes *	8 Seconds	3 Seconds
Medium (255-3,000)	3.8 MB	< 14 Minutes *	35 Seconds	29 Seconds
Large (3,000-13,000)	18 MB	< 66 Minutes *	< 6 Minutes	< 3 Minutes
Very Large ** (30,000)	45 MB	< 150 Minutes	< 14 Minutes *	< 6 Minutes



# Thank You!

Paul Hill, Jr.

Paul.Hill.Jr@ED.GOV

202.377.4323



# Software Developers Conference

August 14-15, 2003

Crystal Gateway Marriott  
Arlington, VA



# CPS Processing Change for 2004-2005

- FAFSA Changes
- EDEExpress Changes
- CPS Processing Changes
- ISIR Record Layout Changes
- ISIR Datamart
- CPS Test System



# CPS Update

## FAFSA Changes

- Some formatting changes and improvements to instructions
- New, reworded, and reordered questions





# CPS Update

## Step One

- **Question 13:** Student's e-mail address
  - ◆ Moved from Step Six to Step One
  - ◆ 40 characters long, with pre-printed @ symbol
  - ◆ Explains how e-mail address will be used
- **Question 31:** New number for the "drug question"



# CPS Update

## Step Two

- **Questions 43 - 45:** Student's asset net worth questions reordered
  - ◆ Cash, savings, and checking
  - ◆ Real estate/investment net worth
  - ◆ Business/farm net worth



# CPS Update

## Step Four

- Added questions about students' parents
  - ◆ Questions 59 and 63: Parent's first name initial
  - ◆ Questions 60 and 64: Parent's date of birth
  - ◆ No longer ask "Age of older parent" question



# CPS Update

## Step Six

- Enrollment questions --
  - ◆ Moved from Step One
  - ◆ One question for all terms
  - ◆ Separate response for “Not sure”



# CPS Update

## Renewal FAFSA

- Includes changes made to paper FAFSA
- Will roll forward 2003-04 FAFSA questions --
  - ◆ Will pre-print all school codes on transaction used to create the Renewal FAFSA
  - ◆ Will pre-print housing plans for each school code listed
  - ◆ Enrollment status questions will be converted
    - ⊕ If any question = Full time, pre-print as full time
    - ⊕ Otherwise, leave question blank
  - ◆ Parent's Marital Status Date question



# CPS Update

## Renewal FAFSA

- Will no longer pre-print income fields from previous year's FAFSA for students who qualified for Automatic Zero EFC
- Will not roll forward parents' SSN and last name information



# CPS Update

## EDEExpress Changes

- In 2004-05, EDEExpress will interface directly with FAA Access to CPS Online through an embedded browser
  - ◆ Clicking on the FAFSA Tab in EDEExpress will take you to FAA Access Application Entry
  - ◆ All application and correction entry will be done in FAA Access



# CPS Update

## EDEExpress Changes

- All Application Processing functionality still available in EDEExpress
  - ◆ ISIR Import/ISIR print
  - ◆ ISIR Review tab
  - ◆ List-Processed ISIRs
  - ◆ NSLDS Print, File Format/External Export





# CPS Update

## CPS Processing Changes

### SSA Match

- SSN match expanded to include dependent applicants' parents
  - ◆ Will not send parent SSN if same as student's
  - ◆ Will use same match flag results as students



# CPS Update

## SSA Match cont.

- Applicants whose parent has SSA Date of Death (Match Flag = 5) will receive a SAR comment instead of being rejected
- Parents allowed to change SSN, even if SSA gave clean match flag of '4'



# CPS Update

## Rejects

- New rejects for missing parent SSN, last name, first initial, and DOB
  - ◆ **Reject 6** - Father's SSN not on SSA database (non-verifiable)
  - ◆ **Reject 7** - Mother's SSN not on SSA database (non-verifiable)
  - ◆ **Reject S** - Father's DOB not matched on SSA database (verifiable)
  - ◆ **Reject T** - Mother's DOB not matched on SSA database (verifiable)



# CPS Update

## Rejects cont.

- Added rejects for dependent students
  - ◆ **Reject 12:** If taxes paid amount is greater than or equal to AGI (non-verifiable reject)
  - ◆ **Reject G:** If taxes paid amount is less than AGI, but greater than 40% of AGI (verifiable reject)



# CPS Update

## Warning Edits

- New warning comment code for paper filers who reported parent's marital status as single, but provided two parent SSNs
- CPS re-engineered to be a Multi-Year Applicant Database (MYAD) so it can perform cross-year edits to detect possible inconsistencies across application years



# CPS Update

## EFC Formula

- Only change is inflation updates to offsets



# CPS Update

## ISIR Record Changes

- Draft ISIR record layout available on IFAP (<http://ifap.ed.gov>)
- ISIR layout will follow order of paper FAFSA questions



# CPS Update

- New Data Source/Data Type codes with alpha-numeric values

- ◆ Data Source

- 1 = Electronic
- 2 = Student Web
- 3 = FAA Access
- 4 = Paper
- 5 = CPS
- 6 = FSAIC





# CPS Update

## ◆ Data Type

A = Application

B = Spanish Application

C = Correction

E = EZ FAFSA

F = EZ FAFSA Spanish

G = EZ FAFSA Renewal

H = EZ FAFSA Correction

J = Corr. Application

K = Corr. Appl. Spanish

M = DHS Sec. Conf.

N = NSLDS Postscreening

R = Renewal Application

V = Verification Corr.



# CPS Update

## ISIR Record cont.

- Will include parent SSN match flag results
- New flag indicates whether transaction is result of address or e-mail address change only
- Reject G override added



# CPS Update

## ISIR Record cont.

- Verification Tracking Flag
  - ◆ Expanded to 4 characters
  - ◆ Higher numbers continue to have higher priority



# CPS Update

## ISIR Record cont.

- New values for Multi School Code Flags
  - ◆ Still used to determine which schools get ISIR
  - ◆ Will also indicate the type of ISIR for each school



# CPS Update

## ISIR Datamart

- ISIR Datamart will be implemented on Jan. 2, 2004
- Will store 2004-05 ISIR data for retrieval and distribution to authorized users
- New feature in FAA Access to CPS Online allows users to request ISIRs from Datamart



# CPS Update

- Options for receiving ISIRs --
  - ◆ Daily
  - ◆ By request
- Sign up through Participation Management System
  - ◆ Default is daily receipt (like current system)
  - ◆ May change option at any time
  - ◆ Users who select daily receipt can also use Datamart to request ISIRs



# CPS Update

## Query Options for Retrieving ISIRs

- SSN/Name ID
- Date range for receipt date or processed date
- Transaction number: first, last, all, specific, or greater than X
- Institution code
- Grade level
- Dependency status
- Eligibility status
- State of legal residence or state of college
- EFC range
- Verification status
- Veteran status
- Combination of these fields



# CPS Update

- DPA has authority to run queries
- Queries can be set up to run on demand or for a future date
- Query must be completed before next query can be submitted
- Last query entered is displayed when user returns to FAA Access
- No limit on requesting same ISIR multiple times





# CPS Update

- As queries run against Datamart, files of requested ISIRs generated
- Files loaded to SAIG under separate message class
- Files of requested ISIRs must be retrieved within 14 calendar days



# CPS Update

- Certain ISIRs automatically “pushed” regardless of option selected by institution
  - ◆ EFC changes
  - ◆ SAR C Code changes
  - ◆ System-generated transactions -
    - ⊕ NSLDS post-screening
    - ⊕ DHS automated secondary confirmation
    - ⊕ Reprocessing



# CPS Update

- Schools must look at all “pushed” ISIRs
- School must request ISIRs for all enrolled students
- Datamart will be used for YTD and FDR requests



# CPS Update

## Message Classes

- Current ISIR message classes will be replaced with three new message classes
  - ◆ ISDF05OP - Daily regular ISIRs
  - ◆ ISRF05OP - Requested ISIRs
  - ◆ ISGF05OP - CPS Pushed ISIRs



# CPS Update

- Types of Message Classes a destination point will receive:
  - ◆ Daily automatic option
    - ⊕ Regular
    - ⊕ CPS pushed ISIRs
  - ◆ ISIRs requested through Datamart
    - ⊕ Requested
    - ⊕ CPS pushed ISIRs



# CPS Update

## Specifications

- Software Developer Specifications (NAS Specifications) - draft will be posted to IFAP by the end of August
- Updates will be made as needed - most likely in October or November



# CPS Update

## CPS Test System

- Is a mechanism for you to ensure your system meets the specifications for interfacing with the CPS and for calculating correct results
- Allows you to
  - ◆ test applications and corrections
  - ◆ receive ISIR data



# CPS Update

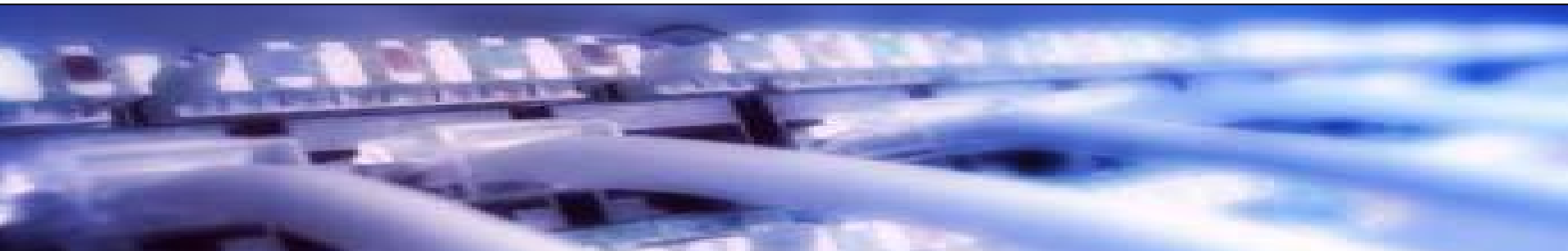
## CPS Test System

- Available November 24, 2003 through end of processing cycle
- User Guide will be posted to IFAP in early November
- Message will be issued when test system goes live for your testing





# CPS Update

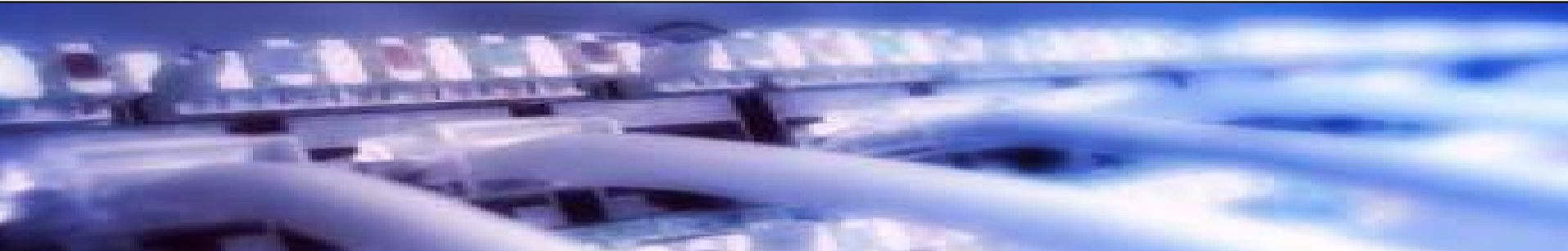


## CPS Test System

- Test files will be available in early November
- Separate input and output files will be posted for testing specifications



# CPS Update



## CPS Test System

- Remember - CPS is still in test until SFA accepts system and production starts on January 2, 2004



# CPS Update

We appreciate your feedback and comments.

Phone: 1-800-330-5947

Email: [cpswan@ncs.com](mailto:cpswan@ncs.com)



# Software Developers Conference

August 14-15, 2003

Crystal Gateway Marriott  
Arlington, VA





**Thank You!**

[Teri.Hunt@orcmacro.org](mailto:Teri.Hunt@orcmacro.org)





# COD Processing and Changes for 2004-2005

Software Developer's Conference

August 14-15, 2003

Arlington, VA



# Objectives

- Processing Statistics
- What's Planned for 2004-2005
  - ◆ Processing Changes
  - ◆ Reports
  - ◆ Message Classes
  - ◆ Record Layouts
  - ◆ Edits
- Re-Cap of Changes for 2004-2005



# Common Record Processing YTD - As of August 5, 2003



02-03

	Received	Accepted	Rejected	TOTAL
Direct Loan PLUS	275,695	195,224	79,228	274,452
Direct Loan Subsidized	843,177	816,351	26,477	842,828
Direct Loan Unsubsidized	661,947	642,120	18,257	660,377
Pell	907,511	843,331	56,761	907,211
<b>TOTAL</b>	2.7 million	2.5 million	180,723	2.7 million



# Common Record Processing YTD - As of August 5, 2003



03-04

	Received	Accepted	Rejected	TOTAL
Direct Loan PLUS	69,260	63,036	4,511	67,547
Direct Loan Subsidized	407,180	363,709	39,383	403,092
Direct Loan Unsubsidized	320,904	291,867	27,102	318,969
Pell	418,207	360,857	38,527	411,214
<b>TOTAL</b>	1.2 million	1.1 million	109,523	1.2 million



# What's Planned for 2004-2005



# What's Planned for 2004-2005

- The COD System will continue to accept Phase-In Participant fixed-length, flat file records for 2004-2005
- All schools will be required to process as Full Participants in 2005-2006



# COD Technical Reference for 2004-2005



- The 2004-2005 COD Technical Reference will contain volumes for Full Participants, Pell Phase-in Participants, and Direct Loan Phase-In Participants
- The 2004-2005 COD Technical Reference August 2003 Draft contains 2004-2005 record layouts, message classes, schema, and edits
- Updated version of the 2004-2005 COD Technical Reference will be published in November 2003 and will include implementation guides and appendices
- COD Technical Reference change pages will be published quarterly as needed



# COD Technical Reference Beta Review

- COD will conduct a Beta Review of the November 2003 release of the 2004-2005 Technical Reference
- Schools/Vendors interested in participating in the beta review should send an email to [CODSupport@acs-inc.com](mailto:CODSupport@acs-inc.com) with the Subject: COD Tech Ref Beta Review. Please include your name, institution/company name, phone number, and email address
- Drafts of the Technical Reference will be sent to interested parties in late September for review with comments due back to [CODsupport@acs-inc.com](mailto:CODsupport@acs-inc.com) by mid-October





# Processing Changes for 2004-2005



# Processing Changes for 2004-2005



- COD will accept and process Full Participant Campus-Based award and disbursement data (Federal Work Study, Perkins Loans, FSEOG) for the 03-04 and 04-05 award years and forward
- Full Participants can submit Campus-Based data to COD via the COD web site and the Common Record
- Campus-Based award and disbursement data will be viewable on the COD web site



# Processing Changes for 2004-2005

- COD will perform CPS matching on Campus-Based data
- Receipts and responses on Campus-Based data will be returned to facilitate the creation or modification of Campus-Based financial information
- Reports will NOT be generated for Campus-Based aid
- COD will edit on Campus-Based Document, Entity, Person, Award, Award Information, and Disbursements data. Returned edits will be similar to those used for Direct Loans. Edits applicable to Campus-Based data are indicated by 'CB' in the Award Type Affected column of Volume II, Section 4 - Full Participants in the August 2003 COD Technical Reference





# Processing Changes for 2004-2005

- Anticipated Disbursement information is required on initial submission of all Direct Loan awards for both Full and Phase-In Participants
  - ◆ The sum of the anticipated and actual disbursements must be equal to the Award Amount
  - ◆ All anticipated and actual disbursements must be reported when establishing an award
  - ◆ If any disbursements reject when establishing the award, the entire award will reject
  - ◆ If the sum of the disbursement information does not equal the award amount, the award will be rejected



# Processing Changes for 2004-2005

- COD will automatically recalculate the anticipated disbursements when a change to the Direct Loan Award Amount is received
- Recalculation of anticipated disbursements occurs when:
  - ◆ A school submits a decrease to an award amount
  - ◆ Only anticipated disbursements exist on the COD System
  - ◆ The new award amount is less than anticipated disbursements
- Recalculation will begin with the highest disbursement number
- If actual disbursements exist and the new award amount is not less than the sum of the actual disbursements, anticipated disbursements will not be recalculated (Edit 41)



# Processing Changes for 2004-2005

- The Direct Loan Program will continue to NOT process pennies
- The Common Record allows pennies to be reported in the <AwardAmount> tag
- If pennies are submitted in <AwardAmount>, COD will truncate the cents to the right of the decimal
- COD will accept the award amount and will not store or edit on the included pennies





# Report Changes for 2004-2005



# Report Changes for 2004-2005

- The Pell Verification Status Report will contain those students selected for verification by CPS that the COD System has an actual disbursement on file but for whom the school has not reported a verification status of 'V' or 'S'
- The Pell Verification Status Report will be pushed monthly to schools via their SAIG mailbox
- QA schools will have the option to be excluded from receiving this report



# Report Changes for 2004-2005

- A Pell POP Report will list those students for whom COD has accepted an actual disbursement and who are:
  - ◆ In a POP situation within the last 30 days
  - ◆ In a POP situation and have negative disbursements
  - ◆ No longer in a POP situation
- The Pell POP Report will be pushed to schools monthly via their SAIG mailbox
- The report will also be available via the COD web site and through Pell data request functionality





# Message Class Changes for 2004-2005



# Message Class Changes for 2004-2005

- Enhanced message class functionality for 2004-2005 provides Full Participants with specific message class options that they can choose to send or receive data to COD. Message class options include specificity by:
  - ◆ Program
  - ◆ Award Year
  - ◆ Program and Award Year
  - ◆ Generic (e.g. COMRECIN, COMRECOP)
- The OP message class for the COD batch response will correspond to the IN message class the school used to send the batch to COD





# Message Class Changes for 2004-2005

- Each System Generated document type will be assigned its own message class for Full Participants

	2004-2005
Booking Notification	CRBN05OP
Credit Decision Override	CRCO05OP
Negative Disbursement	CRND05OP
Payment to Servicing	CRPS05OP
Promissory Note	CRPN05OP



# Message Class Changes for 2004-2005



- Receipt message classes generated by COD will mirror the message class used by the school to submit data to COD
- Receipt message class will vary depending on the presence of a cycle year indicator in the IN message class



# Message Class Changes for 2004-2005



Generic      Year Specific      Year and Program Specific      Program Specific

**IN Message Class**

COMRECIN	CRAA05IN	CRPA05IN CRDA05IN CRCB05IN	CRPAMYIN CRDAMYIN CRCAMYIN
COMRECOP	CRAR05OP	CRPA05OP CRDA05OP CRCA05OP	CRPRMYOP CRDRMYOP CRCRMYOP
COMRECOP	CRRC05OP	CRRC05OP	COMRECOP

**OP Message Class**

**Receipts**





# Record Layouts for 2004-2005

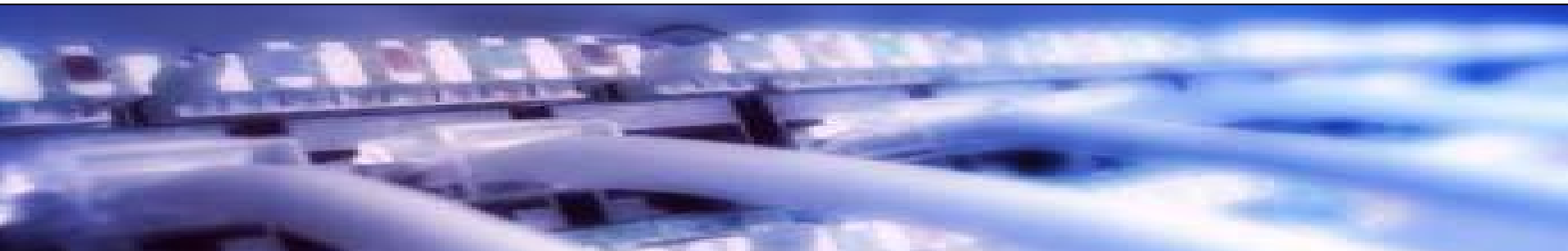


# Record Layouts for 2004-2005

- The following data elements will not be required on the Common Record for the 2004-2005 Award Year and subsequent years:
  - ◆ <AcademicCalendarCode>
  - ◆ <PaymentMethodologyCode>
  - ◆ <WeeksUsedCalculate>
  - ◆ <WeeksProgramAcademicYear>
  - ◆ <HoursAwardYear>
  - ◆ <HoursProgramAcademicYear>



# Record Layouts for 2004-2005



- If a Full Participant school submits data in these tags, COD will not edit or store the data and will not return these tags on a Full Response
- These tags will continue to be stored for Phase-In Participants and will be returned in the Origination Acknowledgement



# Record Layouts for 2004-2005

- The Direct Loan Rebuild file will include additional Common Record elements in order to provide necessary information to Full Participants
  
- Common Record elements include:
  - ◆ <DisbursementReleaseIndicator> (<PaymentTrigger>)
  - ◆ <PreviousSequenceNumber>
  - ◆ <CPSTransactionNumber>
  - ◆ <EndorserAmount>
  - ◆ <DisbursementDate>



# Record Layouts for 2004-2005

- A <CPSVerificationIndicator> tag will be added to the Response block of the Common Record
- <CPSVerificationIndicator> indicates whether a student has been selected by CPS for verification this award year on *any* transaction number
- <CPSVerificationIndicator> will be returned on Pell actual disbursements if the student was selected for verification on any CPS transaction number and the school did not report 'V' or 'S'





# Record Layouts for 2004-2005

- A <HighestCPSTransactionNumber> tag will be added to the Response block of the Common Record
- <HighestCPSTransactionNumber> indicates the highest CPS transaction number for the student during this award year
- <HighestCPSTransactionNumber> will be returned on Pell actual disbursements if a CPS transaction number higher than the one reported by the school exists





# Edit Changes for 2004-2005



# Edit Changes for 2004-2005

- Edit 116 - Warning Edit
  - ◆ Returned if the school submitted a change to a student identifier and either the award year submitted on the change record is lower than the highest award year for the student OR the CPS transaction number on the change record is lower than the highest transaction number for that award year for that student
- Edit 116 is a warning edit that indicates that COD has processed the record but that the SSN, Date of Birth, and/or Last Name have not been updated by the COD System
- Edit 116 applies to Full Participants and Pell Phase-In Participants (Edit 398)



# Edit Changes for 2004-2005

## ■ Edit 117 - Reject Edit

- ◆ If the sum of the disbursement information does not equal the award amount OR if any disbursements reject, the award will be rejected
- ◆ Edit applies to Direct Loan Full Participants only



# Edit Changes for 2004-2005

## ■ Edit 118 - Warning Edit

- ◆ If only anticipated disbursements exist for the award and the new award amount is less than the anticipated disbursements, the COD System will reduce the sum of the anticipated disbursements to equal the accepted award amount change
- ◆ Edit applies to Direct Loan Full Participants only



# Edit Changes for 2004-2005

## ■ Edit 119 - Warning Edit

- ◆ If the sum of the actual disbursements is \$0, the changed award amount is \$0, and the sum of the anticipated disbursements is greater than \$0, the COD System will reduce anticipated disbursements to \$0 to allow loan inactivation
- ◆ Edit applies to Direct Loan Full Participants only





# Re-Cap of Changes for 2004-2005



# Re-Cap of Changes for 2004-2005

- COD will continue to process Phase-In Participant fixed-length files through the 2004-2005 Award Year
- The updated 2004-2005 COD Technical Reference will be published in November 2003
- Processing Changes
  - ◆ COD recalculation of anticipated disbursements on existing Direct Loan awards
  - ◆ Anticipated disbursement information required when establishing a Direct Loan award
  - ◆ Pennies will not be processed in the Direct Loan Program
  - ◆ COD will accept and process Campus-Based data for the 2003-2004 award year and forward





# Re-Cap of Changes for 2004-2005

- Reports
  - ◆ Pell Verification Status Report
  - ◆ Pell POP Report
- Message Classes
  - ◆ Increased specificity in message class options
- Record Layouts
  - ◆ Elimination of some Common Record elements
  - ◆ Additional Common Record elements included on Direct Loan Rebuild file
  - ◆ Two new tags added to the Common Record Response block
- Edits
  - ◆ New edits 116, 117, 118, and 119



# COD Timeline



## ■ 2004 - 2005 Development Schedule:

- ◆ Requirements Complete June 2003
- ◆ Design Complete August 2003
- ◆ Development Complete November 2003
- ◆ Testing Complete February 2004
- ◆ School/Vendor Testing February 2004
- ◆ System Start Up March 2004





# Questions





**Thank You!**

**Lori Clemmensen**

**Contact:**

**[codsupport@acs-inc.com](mailto:codsupport@acs-inc.com)**

