



U.S. Department of Education
1998 Electronic Access Conferences



Session 48

Y2K Integration Testing and Contingency Planning

Presenters:

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Department's Y2K

- Critical Systems
- ED Software Products
- Testing Methodology at ED
- End-to-end Testing
- Institution Testing
- Hardware and Environment Considerations
- Lessons Learned/Awareness
- Contingency Planning
- Questions and Answers



Department's Y2K

- Critical Systems



Critical System Status as of 12/16/1998

12/96

6/97

9/98

1/99

3/99

Awareness

Assessment

Renovation

Validation

Implementation

Completed Systems:

Direct Loan Origination
Direct Loan Central Database
Direct Loan Servicing
Postsecondary ED Participants
EDCAPS
Impact Aid Payment
Campus Base
Title IV Wide Area Network

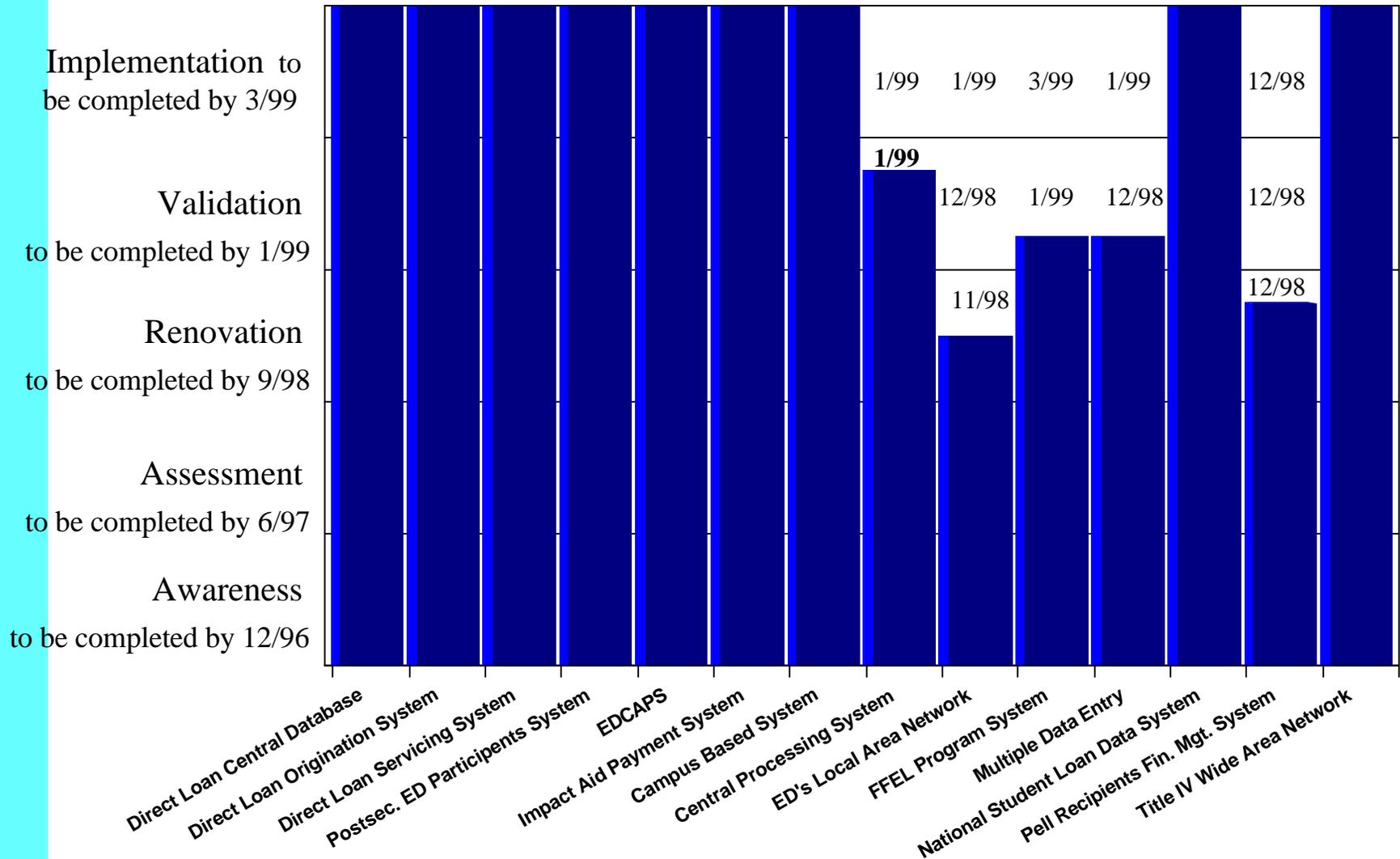
In Preparation Systems:

Multiple Data Entry (1/15/99)
Central Processing (1/15/99)
Federal Family Education
Loan (3/8/99)
Pell Grant (12/31/98)
EDNET (1/99)



Department of Education Year 2000 Compliance Project Status of Mission-Critical Systems as of 11/19/1998

OMB Milestones





Department's Y2K

- Critical Systems
- ED Software Products



Education's Provided Software Products

	Award Yr 98/99	Award Yr 99/00
Application	Retired	Done
Packaging	Retired	Done
Direct Loans	Done	Feb 99
Pell	Done	Jan 99
FISAP	Retired	Done
QAP	Done	Nov 99
SSCR	Done	Done
ED-Connect	Retired	Dec 98
NSLDS Data Provider	N/A	Jan 99



Department's Y2K

- Critical Systems
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- Testing Methodology at ED



Test Methodology

- Unit test
- System acceptance test/validation test
- Point-to-Point interface testing
- End-to-end business process testing
- One-to-many testing with trading partners



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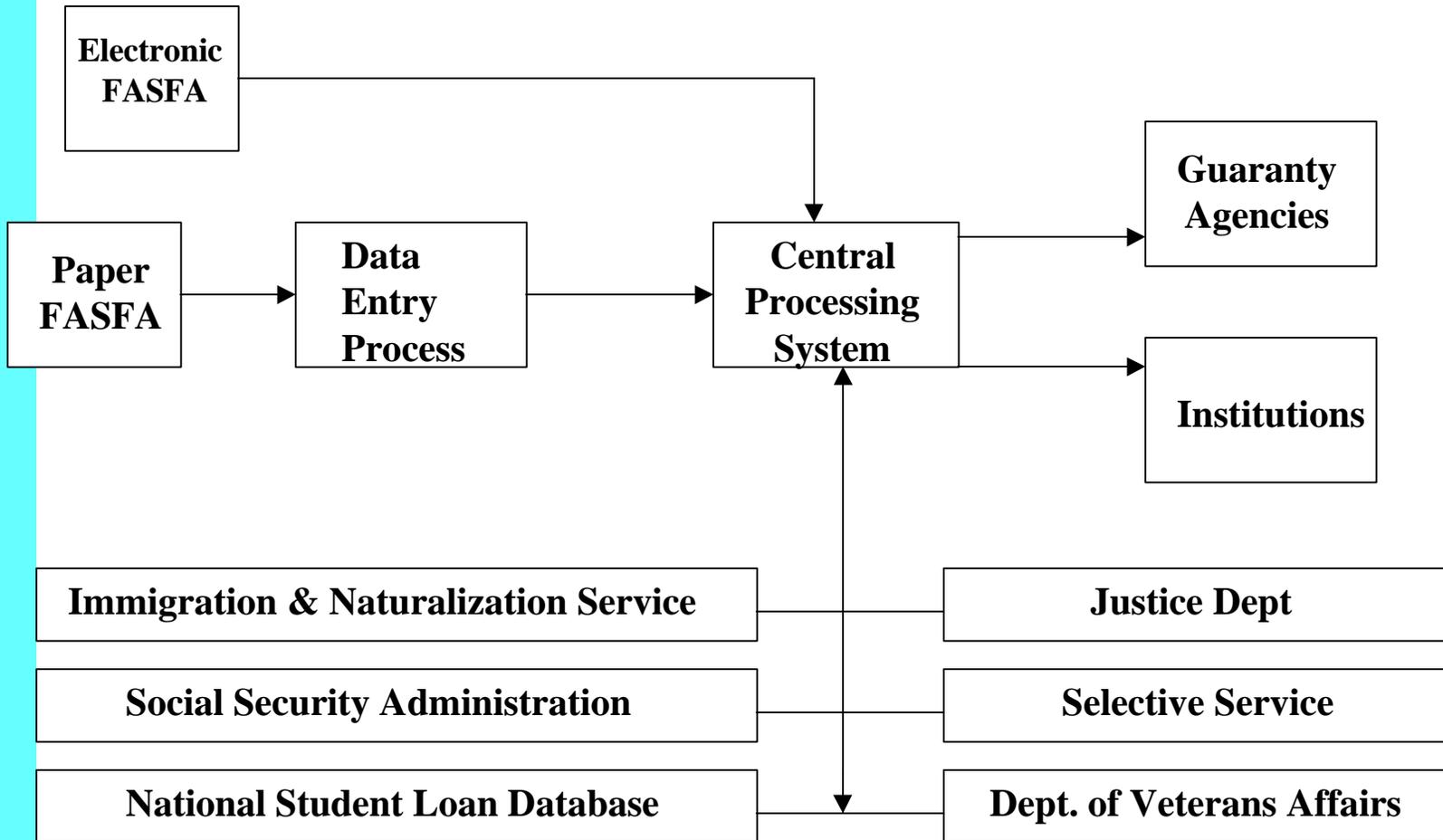


End-to-End Testing

- FFELS Lender Invoice & Disbursement Process
- FFELS Guaranty Agency Invoice & Disbursement Process
- Student Application Process
- Enrollment Status Reporting Process
- Fiscal Operation Report & Application to Participation Process
- Pell Grant Recipient and Financial Management Process
- Direct Loan Student Origination Process
- Direct Loan Repayment and Collection Process



End-to-End Testing of the Student Application Process





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NSLDS

- Test the Student Status Confirmation Reports (SSCR) process which covers student enrollment and loan information.

– 12 April - 21 May - 6 weeks

– 12 July - 20 Aug - 6 weeks



CPS

- Test the Institutional Student Information Records (ISIRs) process.
 - 11 May - 2 July
 - 30 Aug - 1 Oct



Direct Loan Origination

- Test the student direct loan process involving origination records, promissory notes, disbursement records, and change records.

– 12 April - 21 May - 6 weeks

– 12 July - 20 Aug - 6 weeks



PELL

- Pell Grant Origination and Disbursement Process.

- Pell Origination
 - 12 April - 21 May - 6 weeks

- Pell Disbursement
 - 12 July - 20 Aug - 6 weeks



DISCLAIMER

Schools and Institutions who perform trading exchange testing with the Department should not draw conclusions from such testing that their own systems are compliant.

Only comprehensive validation testing of each individual system will mitigate the risk of a Year 2000 incident.



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- Hardware and Environment Considerations



Hardware & Environment Considerations

- Department of ED provided software minimal risk
- Compliant hardware and environment required
- Requirements:
 - Pentium
 - Windows 95
- Web Address: WWW.ED.GOV/Y2K



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Lessons Learned/ Awareness

- Management Plan
- Comprehensive Inventory & Assessment
- Validation & Testing Required
- COTS Packages
- Paper Trail



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- Contingency Planning



Business Process Continuity/ Contingency Planning

- Contingency Planning
 - What is contingency planning?
 - Why should ED and others have contingency plans?
- ED's Contingency Planning Process: Four Phases
 - Phase I: Seven core business processes identified (8/98)
 - Teams established & contractor hired (9/98)
 - Phase II: Business impact analysis conducted (10-11/98)
 - Phase III: Contingency options identified (11-12/98)
 - Detailed contingency plans developed (1-2/99)
 - Phase IV: Testing (2/99 and beyond)



Seven Core Business Process

- I. Student Aid Applications and Eligibility
- II. Student Aid Origination and Disbursement
- III. Student Enrollment and Tracking and Reporting
- IV. FFEL Lender and Guaranty Agency Payments
- V. Repayment and Collections
- VI. Institutional Eligibility and Monitoring
- VII. Customer Service and Communications



Business Process Continuity/ Contingency Planning (con't)

- Outreach and Awareness
 - ED's web site: <http://www.ed.gov/y2k> or <http://ifap.ed.gov>
 - Focus groups
 - ED's Year 2000 teleconference (12/7/98)
 - Secretary of Education's letter to college presidents
 - Email: SFAY2K@ED.GOV
- Resources to help in developing contingency plans
 - GAO: "Year 2000 Computing Crises: Business Continuity and Contingency Planning:
 - ED: "Year 2000 Readiness Kit"



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Questions & Answers