

SFA MODERNIZATION PARTNER

Campus-Based Programs

Milestone Delivery Schedule

10/13/00



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- Review: Current CBP System
- Option Evaluation Criteria
- Options and Milestones
- Recommendation



Current System Overview

The Campus-Based System supports processing for the FISAP (Fiscal Operations Report and Application to Participate) cycle. It contains no student-level information; it uses only summary data by school.

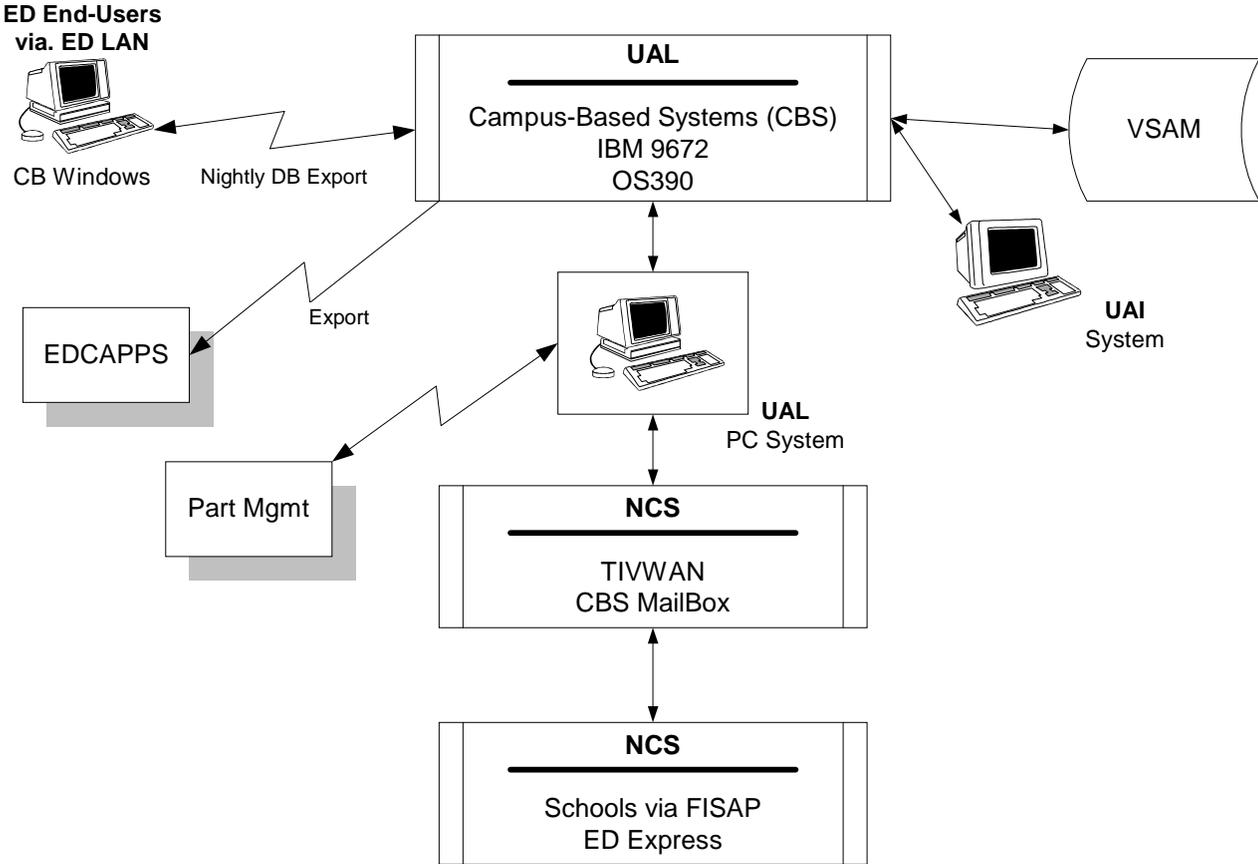
The Campus Based System processes FISAP data received via EDConnect/SAIG, calculates funding formulas, and provides funding to schools for the Federal Perkins Loan, Federal SEOG, and Federal Work Study Programs.

Some major functions include:

- ◆ Process campus-based funding
- ◆ Maintain and edit FISAP data
- ◆ Calculate and notify institutional awards
- ◆ Allocate campus-based funds
- ◆ Reconcile accounts and reporting
- ◆ Default reduction assistance program



Current System Overview



Option Evaluation Criteria

- **FISAP Schedule**
- **Complexity / Risks**
- **Implementation Cost**
- **Portability**



Option 1a Overview

Partial Web-Based Front End

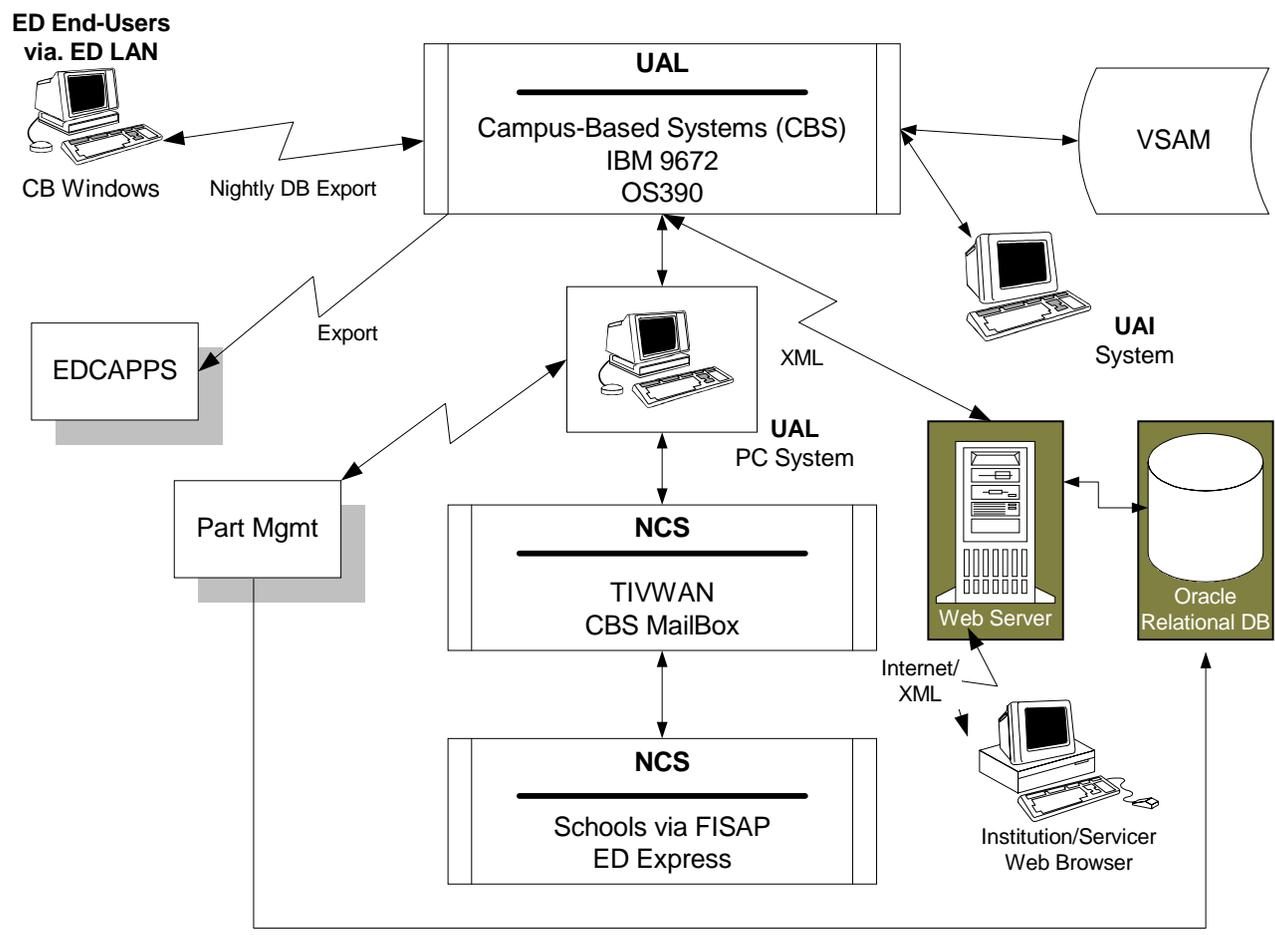
This option can be considered an entry point to providing FISAP on the web. Main Components are:

- *Remove TIVWAN Dependency*
- File Exchange page - Imports/Exports of Base Data, YTD Data, Edits, 3rd party Imports, ... between the Web front-end and Main Frame
- Establish XML Standards, used here and in future releases
- Integration with Participant Management & Enrollment Process
- Distribution of FISAP software/news
- Tracking maintained

Indicates – Focus group request



Option 1a System Overview



Option 1a Evaluation

Partial Web-Based Front End

Option Evaluation Criteria	Option 1a
FISAP Schedule	Low
Complexity / Risks	Low
Implementation Costs	*N/A
Portability	Low/Medium

* Does not include continuing NCS, UAL maintenance costs

Legend: High, Medium, Low



Option 1a Pros & Cons

Partial Web-Based Front End

Pros

- XML standards established (data xfer for Servicers)
- Gradual step towards FISAP on the Web
- *Removes the complexity of receiving & sending FISAP data over TIVWAN, No Mailbox*

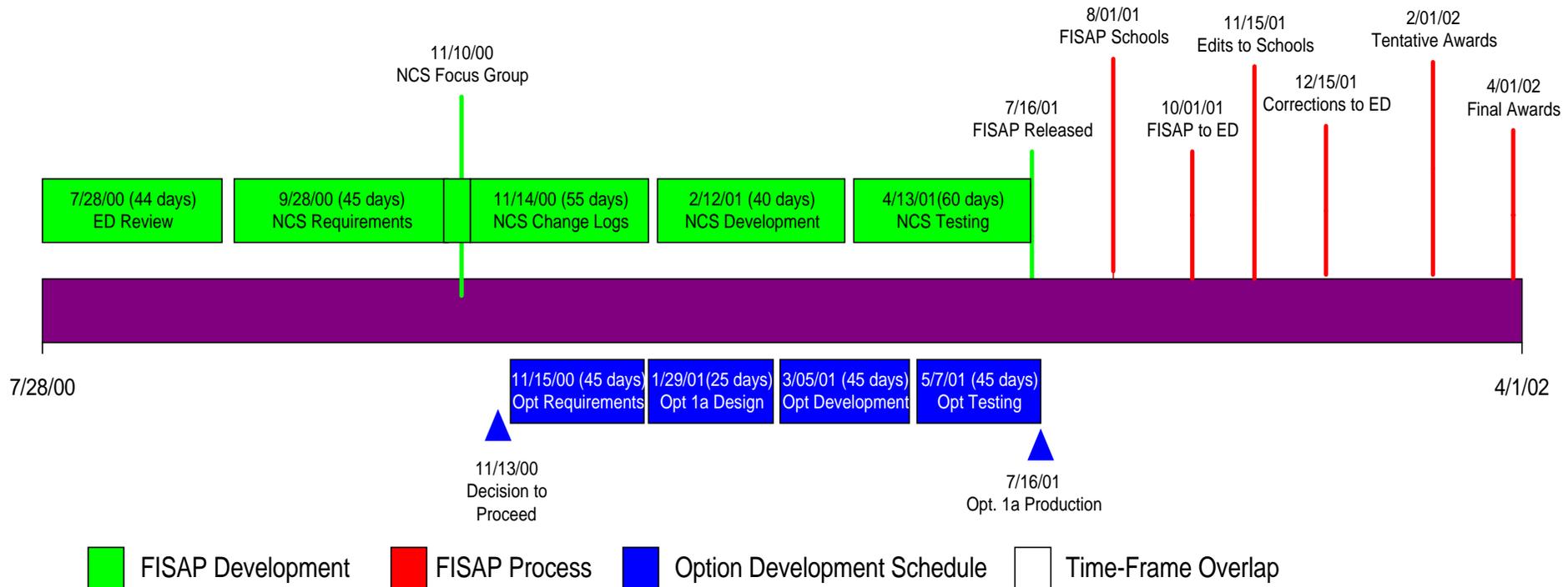
Cons

- Adds another interface
- Institutions continue to send/receive FISAP data from outside the original system
- Low Reuse
- Minimal overall Architecture improvements
- Added maintenance complexity, additional system

Indicates – Focus group request



Option 1a Milestones



Option 1b Overview

Full Web-Based Front End

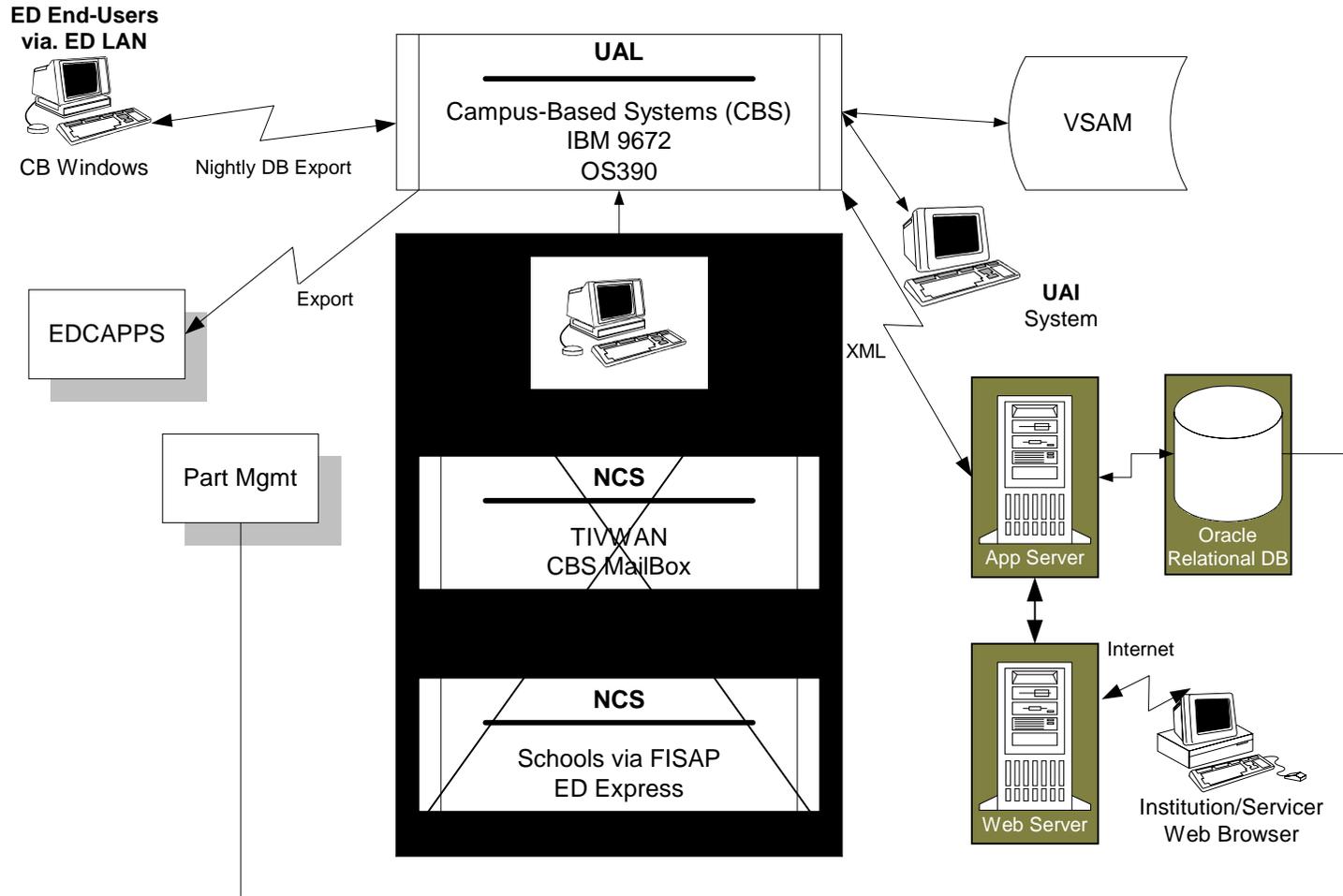
Provides for a fully functional FISAP Web Site.

- Elimination of the FISAP PC system.
- Institutions will need to have web access.
- Edits will remain fully functional with additional Relational database.
- Comprehensive Security Module; Privileges, Roles.
- Established XML Standards for feeds/interfaces.
- Integrated with Participant Management & Enrollment Process
- Easy distribution of FISAP enhancements, transparent to Institutions.
- *Satisfies user's request from Focus Groups for FISAP on the Web.*

Indicates – Focus group request



Option 1b System Overview



Option 1b Pros & Cons

Full Web-Based Front End

Pros

- Partially Integrated site
- Eliminates PC Maintenance cost
- Easy distribution of Enhancements (no user impact)
- Open access from any browser*
- No TIVWAN*
- Improved Servicer Support
- Position for VSAM Conversion & retirement of Main Frame

Cons

- VSAM still exists
- Redundant Edits

Indicates – Focus group request



Option 1b Evaluation

Full Web-Based Front End

Option Evaluation Criteria	Option 1b
FISAP Schedule	Medium
Complexity / Risks	Medium
Implementation Costs	*N/A
Portability	High

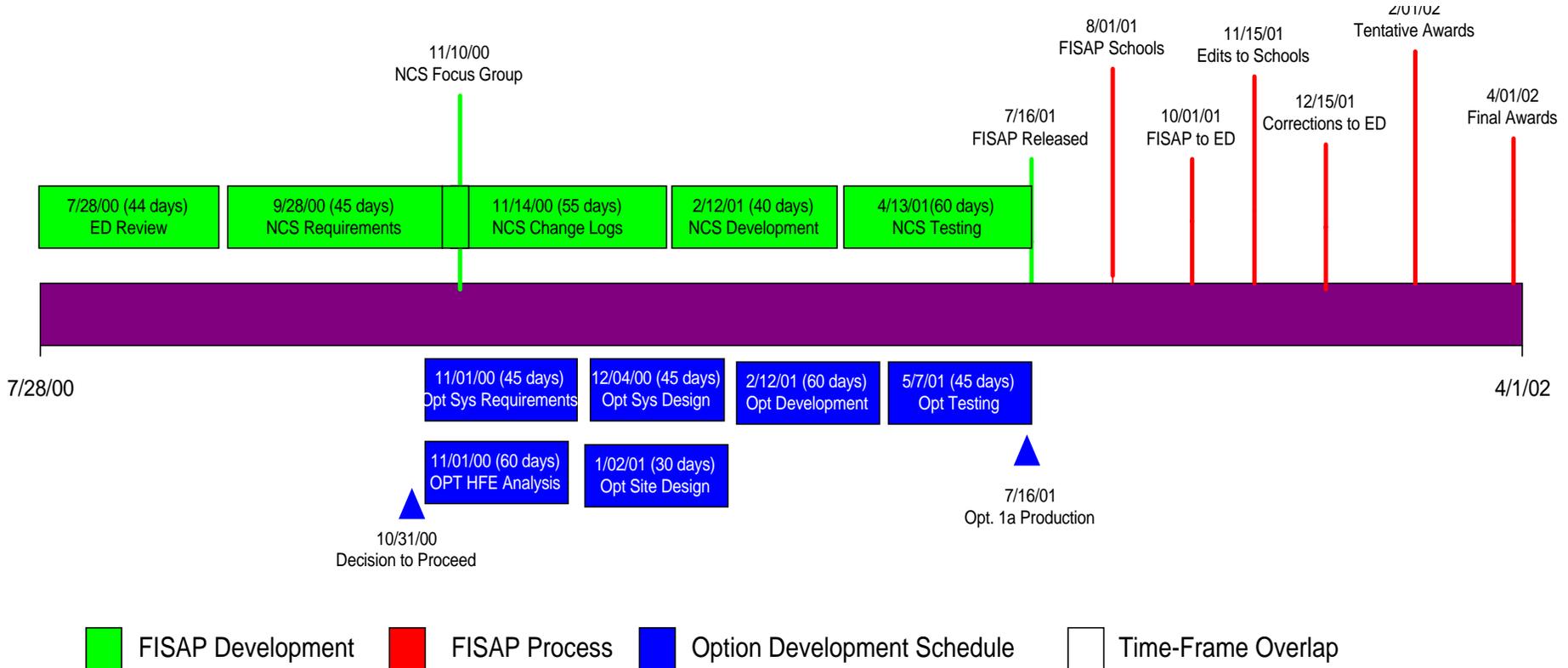
* Does not include continuing NCS, UAL maintenance costs

Legend: High, Medium, Low



Option 1b Milestones

Full Web-Based Front End



Option 2 Overview

Relational DB Migration

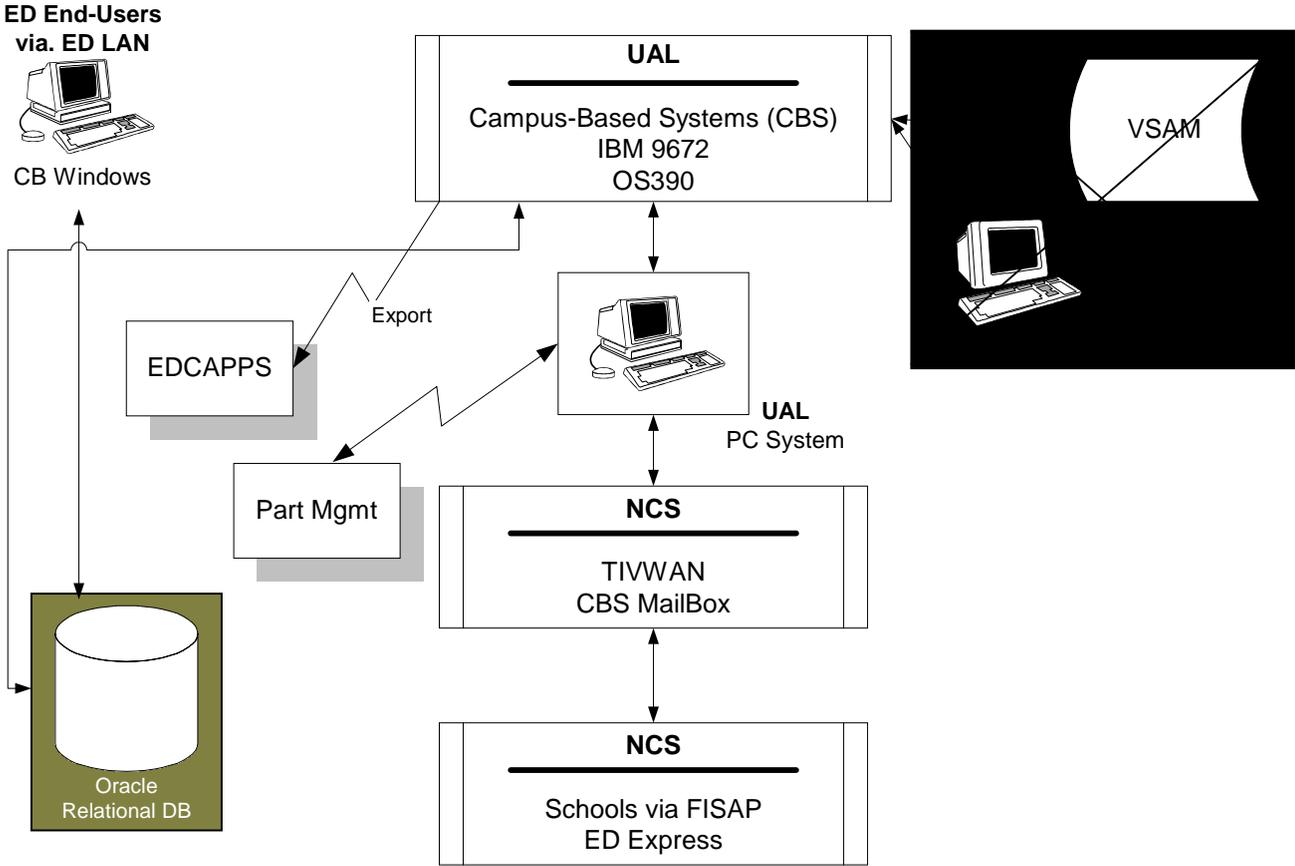
Migration of the Campus Based System from a VSAM storage system to a Relational Data Base. Main Components for the migration are:

- Conversion of all Data.
- UAL Components modified to read Oracle Database(only Cobol programs change)
- All Internal & External interfaces will be modified.
- Enhanced Reporting for Department of Education, standard reporting user tools.
- Backup/Recovery Improved
- Eliminate all Cobol reports
- Simplistic Database Design

Indicates – Focus group request



Option 2 System Overview



Option 2 Pros & Cons

Relational DB Migration

Pros

- Improved data maintenance
- Migration of FISAP towards standard architecture
- UAI (MF Interface) Eliminated
- No Programming for reports adhoc for Department of Education users only
- CB Windows accesses Relational Database

Cons

- Main Frame still is being maintained
- FISAP PC system still active
- TIVWAN not Eliminated
- Parallel Processing for VSAM
- CB Resource Constraints

Indicates – Focus group request



Option 2 Evaluation

Relational DB Migration

Option Evaluation Criteria	Option 2
FISAP Schedule	Medium
Complexity / Risks	Medium
Implementation Costs	*N/A
Portability	Medium

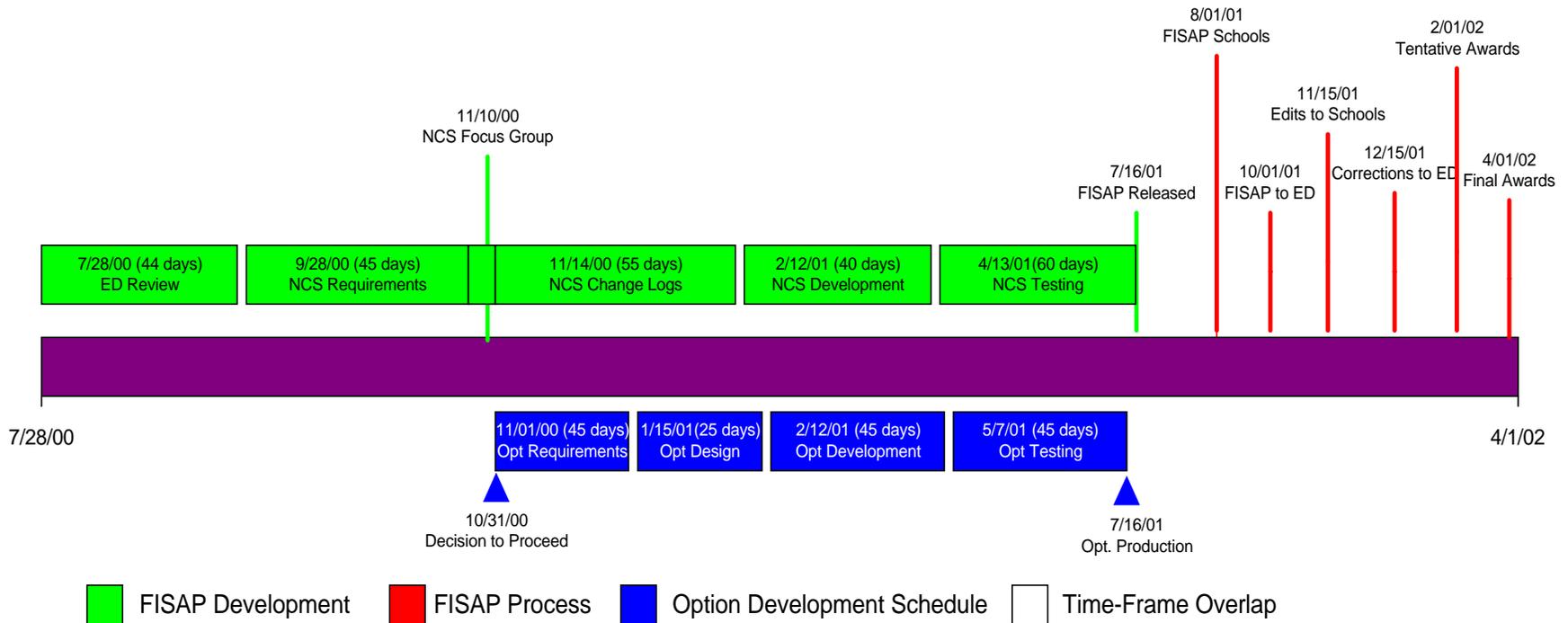
* Does not include continuing NCS, UAL maintenance costs

Legend: High, Medium, Low



Option 2 Milestones

Relational DB Migration



Option 3 Overview

Overall Campus-Based Program Redesign

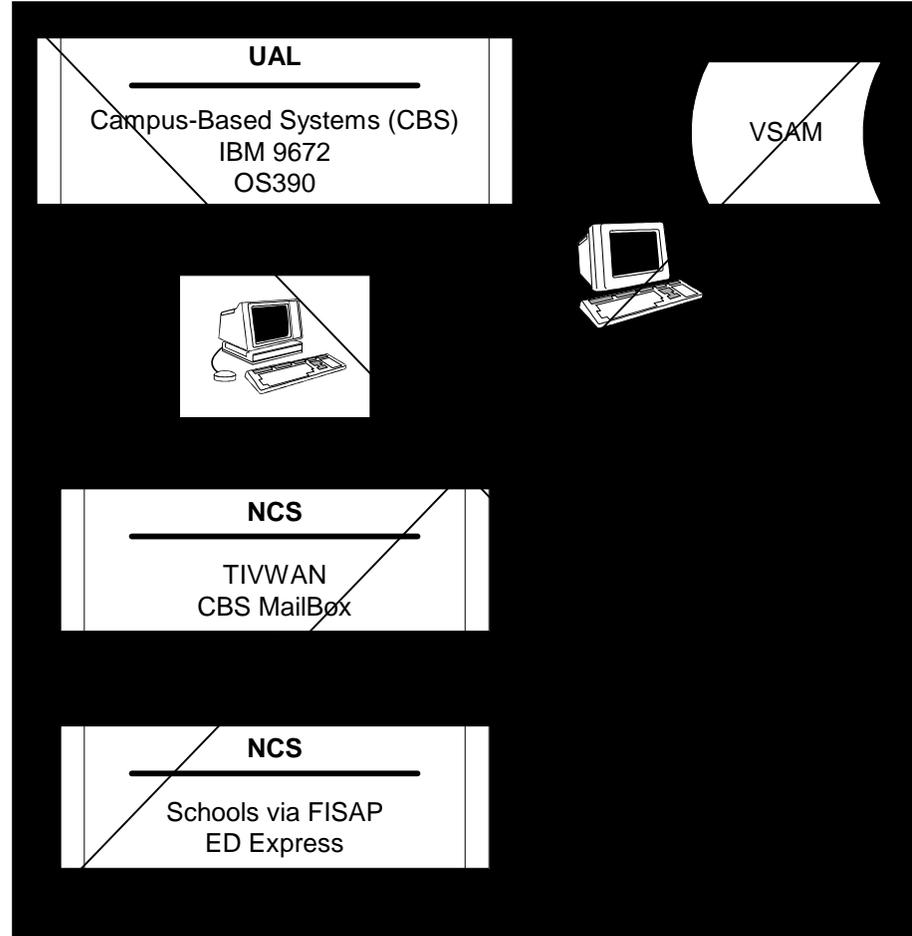
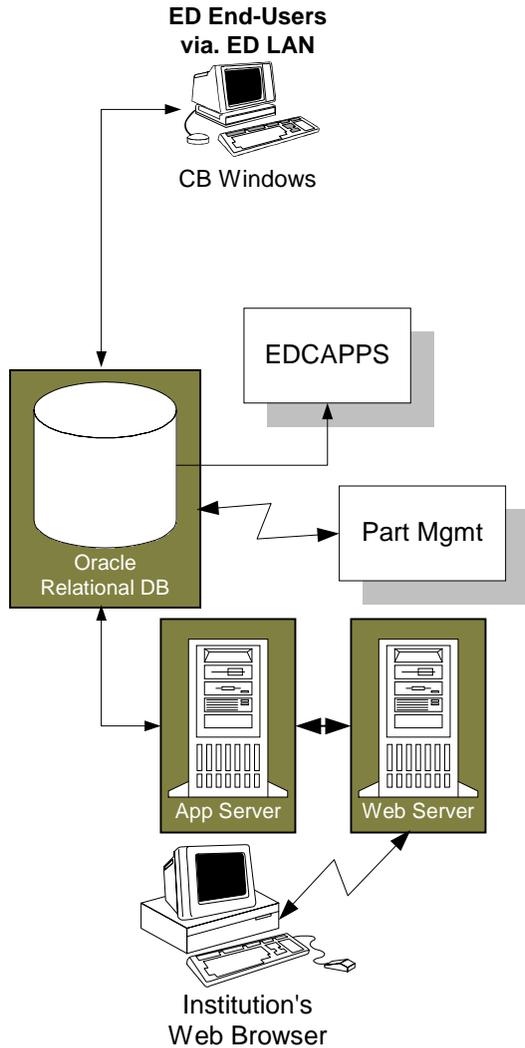
Provides a complete redesigned, fully functional Campus-Based Program Web Site. Main Components are:

- Fully Integrated Solution using “State of the Art” Technology
- Elimination of the FISAP PC system.
- *Edits will remain fully functional.*
- *Comprehensive Security Module.*
- Establish XML Standards for feeds/Interfaces.
 - ✓ All Internal & External interfaces will be modified.
- Integrated with Participant Management & Enrollment Process.
- Conversion of all Data to standard platform..
- Elimination of Main Frame system including VSAM, *TIVWAN*
- All Internal & External interfaces will be modified.
- *Enhanced Reporting, adhoc and standard.*
- CB Windows has direct access to Database.

Indicates – Focus group request



Option 3 System Overview



Option 3 Pros & Cons

Overall Campus-Based Program Redesign

Pros

- Fully Integrated site
- Less Maintenance cost
- Easy distribution of Enhancements (no user impact)
- Self-Service*
- Open Access
- Enhanced Reporting; Trends, Year-over-Year Comparisons*

Cons

- UAL Contract
- CB Resource Constraints

Indicates – Focus group request



Option 3 Evaluation

Overall Campus-Based Program Redesign

Option Evaluation Criteria	Option 3
FISAP Schedule	Medium ¹
Complexity / Risks	High ²
Implementation Costs	See Recommendation
Portability	High

** Estimate: Actual costs determined during TO creation process.

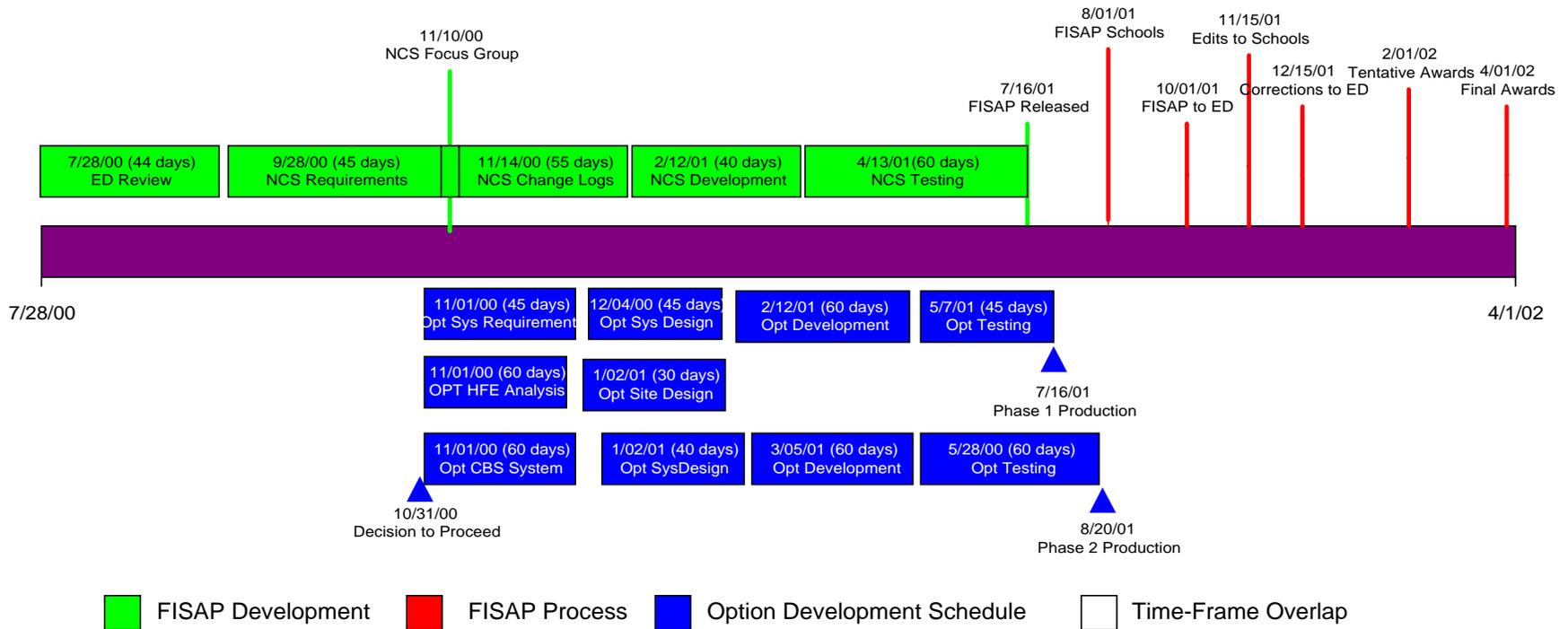
1 – Based on a July 15th delivery

2 – Risk can be reduced by fallback plans



Option 3 Milestones

Overall Campus-Based Program Redesign



Option 4 Overview

- Modernization of CBS Business Processing with Partial Web Site.

Provides a complete redesigned of the backend Campus-Based System while providing an alternative file transfer capability. Main Components are:

- Fully Integrated Solution using “State of the Art” Technology
- FISAP PC software remains in place
- *All edits in Application Layer*
- *Authentication Security Module*
- Establish XML Standards for feeds/Interfaces.
 - ✓ All Internal & External interfaces will be modified.
- Integrated with Participant Management & Enrollment Process.
- Conversion of all Data to standard platform.
- Elimination of Main Frame system

Indicates – Focus group request



Option 4 Overview (Cont.)

- Modernization of CBS Business Processing with Partial Web Site.

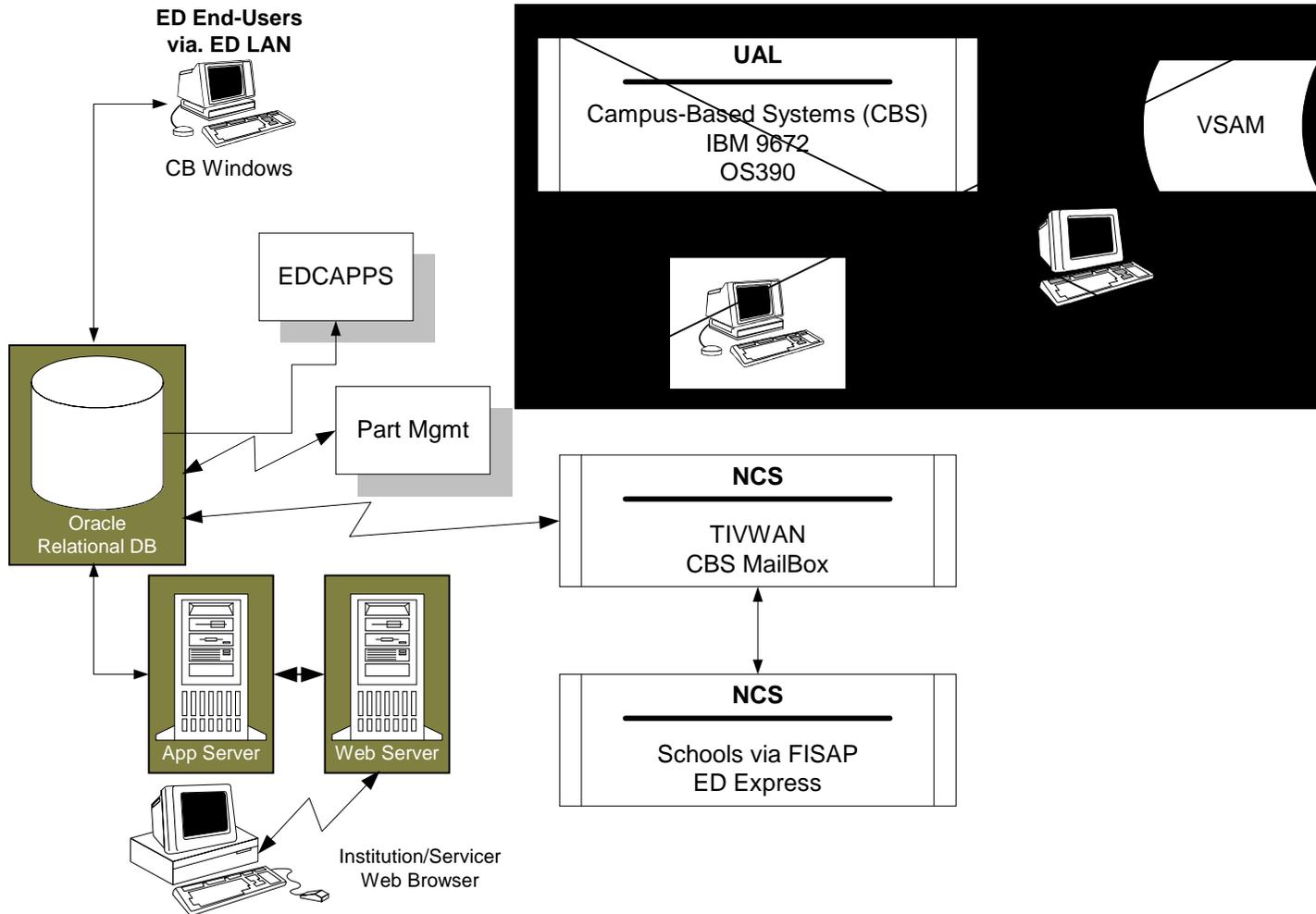
Provides a complete redesigned of the backend Campus-Based System while providing an alternative file transfer capability. Main Components are:

- *Enhanced Reporting for backend, adhoc and standard*
- *Enhanced Reporting for Institutions through partial web-site, Year-over-Year, ...*
- CB Windows has direct access to Database

Indicates – Focus group request



Option 4 System Overview



Option 4 Pros & Cons

- Modernization of CBS Business Processing with Partial Web Site.

Pros

- *Enhanced Reporting; Trends, Year-over-Year Comparisons*
- XML standards established (data xfer for Servicers)
- Gradual step towards FISAP on the Web
- Less Maintenance cost
- *Removes the complexity of receiving & sending FISAP data over TIVWAN, No Mailbox*

Cons

- Institutions continue to send/receive FISAP data from outside the original system

Indicates – Focus group request



Option 4 Evaluation

- Modernization of CBS Business Processing with Partial Web Site.

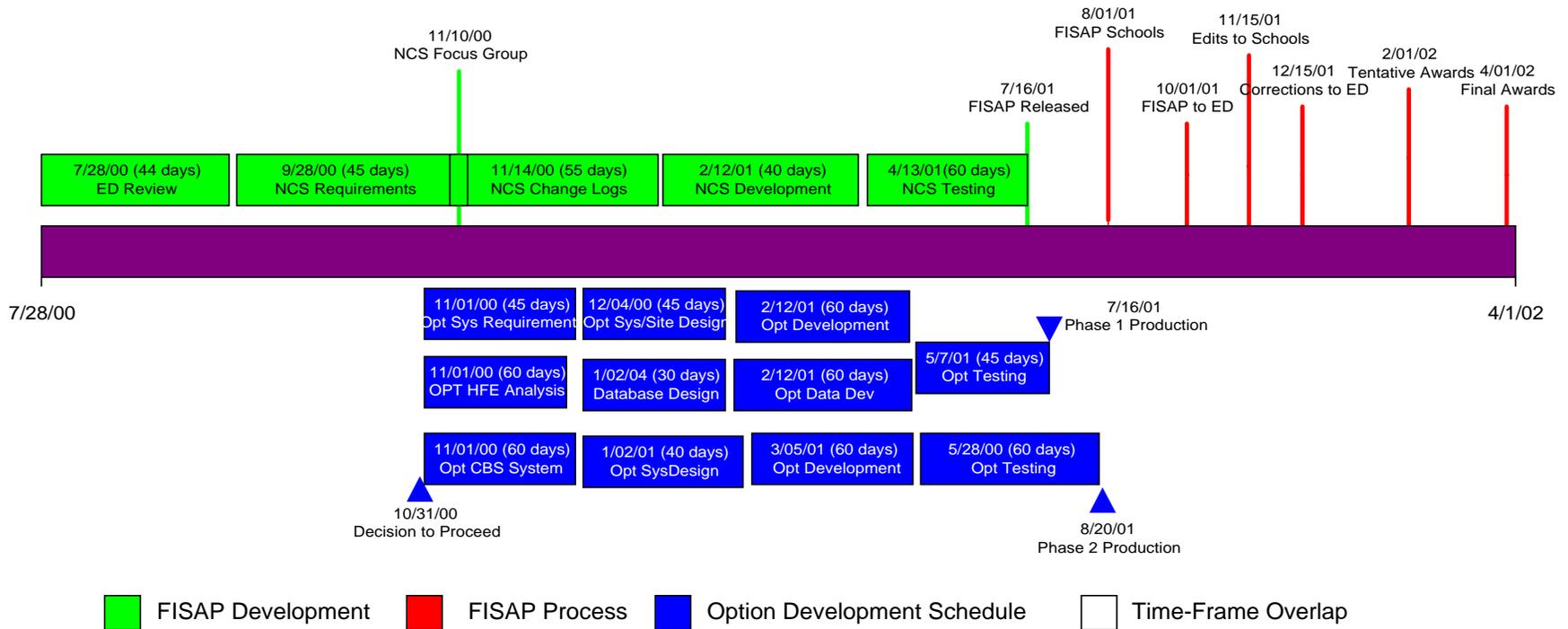
Option Evaluation Criteria	Option 4
FISAP Schedule	Medium ¹
Complexity / Risks	Medium
Implementation Costs	See Recommendation
Portability	High

1 – Based on an early November start.



Option 4 Milestones

- Overall Campus-Based Program Redesign



Phase 1 – Web site with all supporting interfaces & data required to start the CBP cycle.

Phase 2 – Follow-up with the CBP Allocation module.



Recommendation

Option Evaluation Criteria	Option 1a	Option 1b	Option 2	Option 3	Option 4
FISAP Schedule	Low	Medium	Low	Medium ¹	Medium ¹
Complexity / Risks	Low	Medium	Medium	High ²	Medium ²
Implementation Costs					
Development	N/A	N/A	N/A	\$5.0M ³	\$4.5M ³
Maintenance	N/A	N/A	N/A	\$900K ^{3,4, 5}	\$900K ^{3,4, 5}
Portability	Low/Medium	High	Medium	High	High

1 – Based on a July 15th delivery

2 – Risk can be reduced by parallel operations

3 – Estimate: Actual costs determined during Tech Proposal Develop

4 – T&M Price for 2.5 FTEs for six (6) months of maintenance (6/30/01 – 1/31/02)

5 – Includes annual development only. Does not include work covered in any option contained in this document.

Legend: High, Medium, Low



Next Steps

- Develop Tech Proposal
- Develop Business Case Approval (Internal)
- IRB Approval

1 – Based on an early November start.

