



**Electronic Access Conference**  
**2000 GET CONNECTED**



We Help Put America  
Through School

Student Financial Assistance

---



## ***Session 26***

# ***SAIG (Title IV WAN) Connectivity***



We Help Put America  
Through School



# *Introduction*

- Intended audience: New and current users who use a PC to connect to SAIG
- Please fill out evaluation forms
- Introduction of presenters



We Help Put America  
Through School



# *Your Agenda*

- Overview of SAIG (Title IV WAN)
- EDconn32 software
- Future Plans
- School Perspective



We Help Put America  
Through School



# ***SAIG Enrollment***

- Enroll by completing an SAIG Enrollment Document
  - Available on IFAP web page
  - 2000-2001 Action Letter #5
- Changes may be made online
  - <https://SFAWebEnroll.ed.gov/>



We Help Put America  
Through School



## *Enrollment (cont.)*

- What does enrollment include?
  - Sets up a mailbox on SAIG
  - Each mailbox has a DPA
  - Users must attach services to the mailbox





## ***EDconn32 Software***

- Software to connect to SAIG
- Used for Sending/Receiving data to and from various application systems
- Connect to query menus
  - Primarily CPS Query
  - NSLDS Queries are now online



We Help Put America  
Through School

## *Installing EDconn32*

- Software available online
  - Go to <http://www.SFAdownload.ed.gov>
- Download the install program, then run the file “setup.exe” on each PC to install EDconn32



# *Installation Options*

- Install to local hard drive
  - Use default, or designate a directory
- Network/workstation install
  - Only EDconn32 database is on network
  - Program components on workstation





# Start at SFAdownload

U.S. Department of Education - Netscape

File Edit View Go Communicator Help

EDUCATION

Home

Privacy Act

Software

References & Documentation

Mainframe Guide

Enrollment

Download Utilities

Site Map

What's New?

Help

**EDconnect**

[EDconnect Technical Support](#) Telephone: 800-615-1189

[Click here to download a free Adobe or Word viewer.](#)

[Click here for general help instructions on downloading files.](#)

**Full 4.0.1**

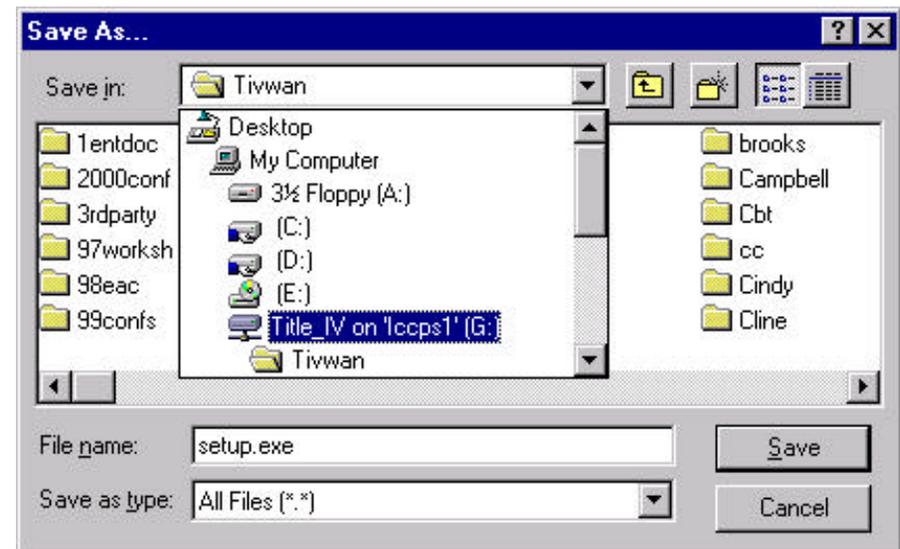
	Date Posted	File Size	Download Time
<b>Documentation</b>			
<b>Install Guide</b>			
<a href="#">Adobe Format</a>	09/15/2000	108 KB	19 sec.@56kbps
<a href="#">Word Format</a>	09/15/2000	257 KB	46 sec.@56kbps
<b>Cover Letter</b>			
<a href="#">Adobe Format</a>	09/15/2000	104 KB	19 sec.@56kbps
<a href="#">Word Format</a>	09/15/2000	92 KB	16 sec.@56kbps
<b>Message Table Instructions</b>			
<a href="#">Word Format</a>	08/28/2000	20 KB	4 sec.@56kbps
<b>Message Table</b>			
<a href="#">Table</a>	08/28/2000	51 KB	9 sec.@56kbps
<b>Technical References</b>			
<b>Software</b>			
<b>Full Download</b> for Win95/98/NT			
Click this link to download the program that allows you to do an upgrade or full installation.	09/15/2000	8.18 MB	25 min.@56kbps
<b>Disk 1</b> Click this link to download only Disk 1.	09/15/2000	1.09 MB	3 min.@56kbps

Document: Done

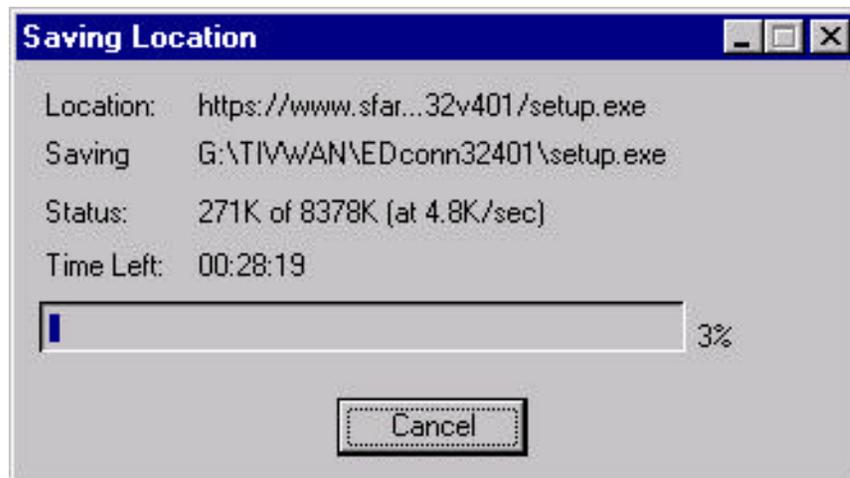


# Download Program

- Easiest to use “Full Install” option
- Download the install program to any valid directory--network or local



# Download, then run



- Download the install program (setup.exe)
- Use any of standard Windows install options
  - Start|Run
  - Use Explorer
  - Use Add Programs



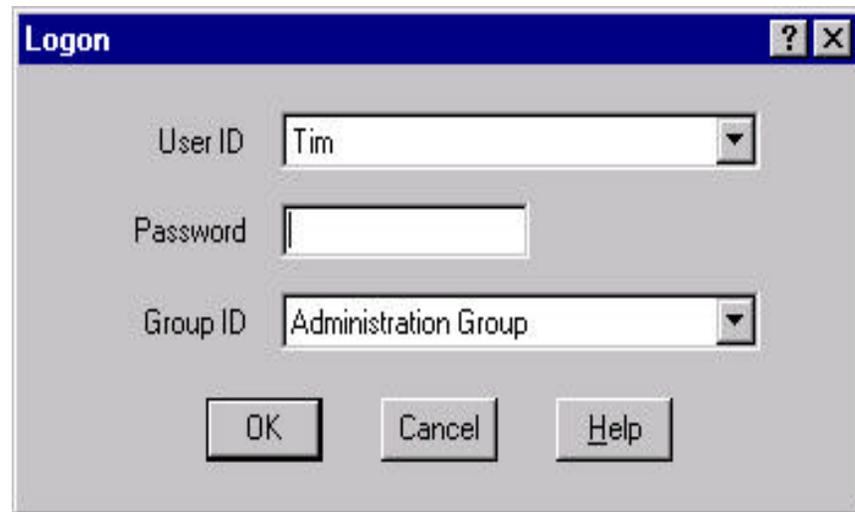
# *Establishing Connection (Current)*

- EDconn32 employs Dial-Up Networking
  - Use DUN to make TCP/IP connection
- Operating Systems Vary
  - Windows 95=DUN 1.2 or DUN 1.3
  - Windows 98 contains DUN
  - Windows NT uses Remote Access Service (RAS) with Service Pack 3 or higher
  - Windows 2000 RAS



# Changes to Login

- Additional reference to Group ID
- Easier to distinguish among numerous Groups



A screenshot of a Windows-style dialog box titled "Logon". The dialog box has a blue title bar with a question mark and a close button. It contains three input fields: "User ID" with a dropdown menu showing "Tim", "Password" with an empty text box, and "Group ID" with a dropdown menu showing "Administration Group". At the bottom, there are three buttons: "OK", "Cancel", and "Help".





Electronic Access Conference  
2000 GET CONNECTED

# Security View & Passwords

- Stores network ID (TG number) and network password
- Contains User ID and Password information
- Passwords may be same, but entered separately



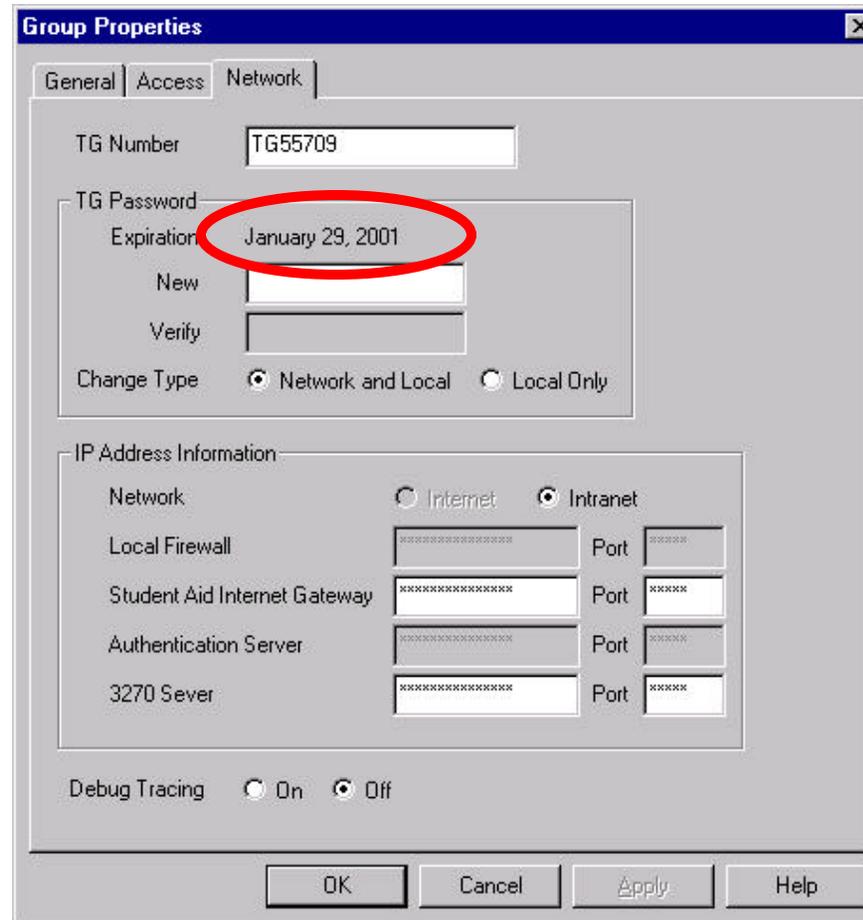
We Help Put America  
Through School

# *Group Password*

- The “Administration Group” Folder
  - Default name may be changed
- Contains TG number and network password
- Expires every 120 days
- Expiration date displayed within Group Properties Window



# Group Password Info



Group Properties

General | Access | Network

TG Number: TG55709

TG Password Expiration: **January 29, 2001**

New: [ ]

Verify: [ ]

Change Type:  Network and Local  Local Only

IP Address Information:

Network:  Internet  Intranet

Local Firewall	[ ]	Port	[ ]
Student Aid Internet Gateway	[ ]	Port	[ ]
Authentication Server	[ ]	Port	[ ]
3270 Sever	[ ]	Port	[ ]

Debug Tracing:  On  Off

OK Cancel Apply Help





Electronic Access Conference  
2000 GET CONNECTED

# Security View--Users

- User ID's are set up under Group folder
- There may be one, or several
- Each user ID may have own password for software login



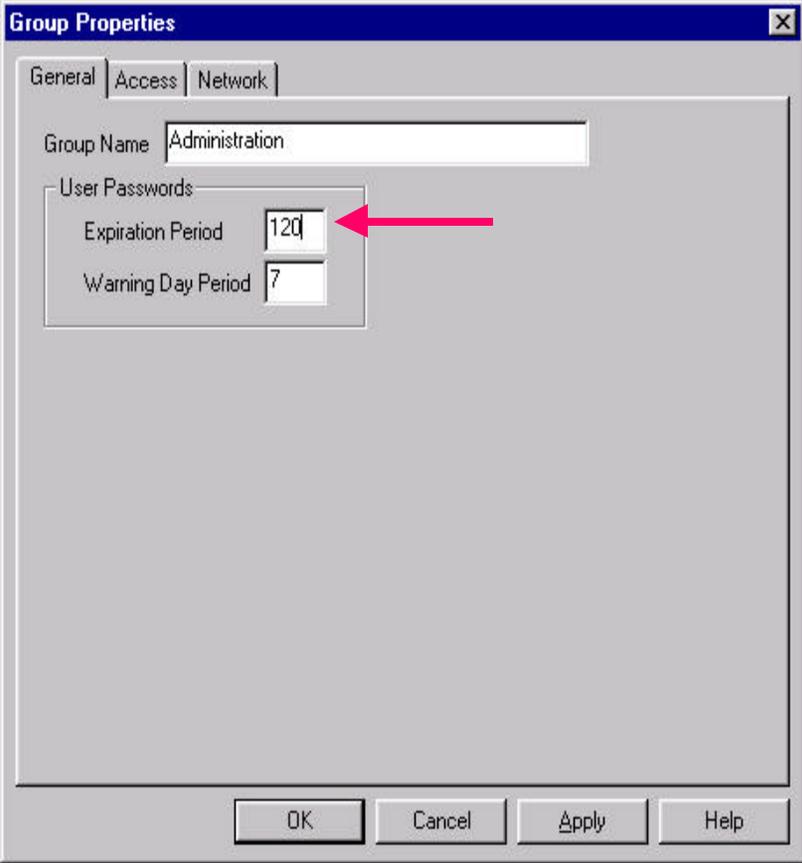
We Help Put America  
Through School

# *Password Warning*

- Received when entering EDconn32
- Refers to User password
- May be synched with Group password



# Password Expiration



Group Properties

General | Access | Network

Group Name: Administration

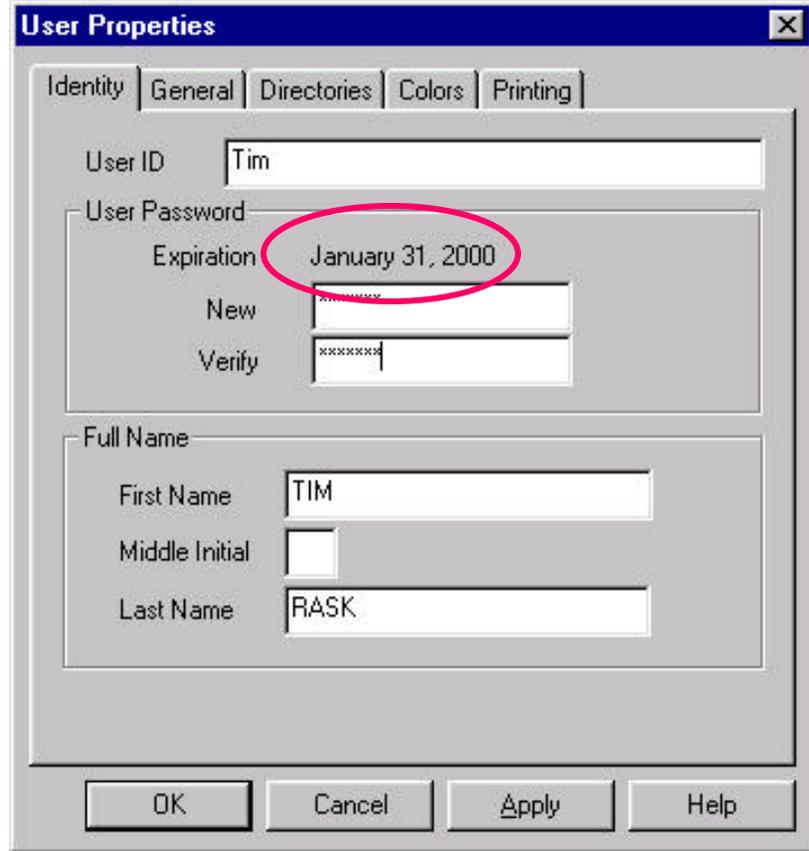
User Passwords

Expiration Period: 120

Warning Day Period: 7

OK Cancel Apply Help

A red arrow points to the 'Expiration Period' field.



User Properties

Identity | General | Directories | Colors | Printing

User ID: Tim

User Password

Expiration: January 31, 2000

New: [password field]

Verify: [password field]

Full Name

First Name: TIM

Middle Initial: [empty field]

Last Name: RASK

OK Cancel Apply Help

The 'Expiration' date is circled in red.





# *Data Transmissions*

- Used EDconn32 to send and receive data for all application systems
- All sends or receive requests must be added to Transmission Queue before connecting
- Multiple requests and sends may be done with each connection



# Transmission Queue

EDconn32- [Transmission Queue]

File Edit Record Transmission Tools Window Help

	Transmit	Activity	Project	Cycle	Description
	<input checked="" type="checkbox"/>	Password			Password change
	<input checked="" type="checkbox"/>	Send	CPS	00-01 Data	00-01 APPLICATIONS - INITIA
	<input checked="" type="checkbox"/>	Request	Direct Loan	00-01 Data	00-01 ACK. - FULL SUMMAR
	<input checked="" type="checkbox"/>	Request	RFMS	00-01 Data	00-01 PELL DISBURSEMENT
*	<input type="checkbox"/>				

- Multiple items in TQ
- Note: RFMS is its own Project now



# More Changes to TQ

EDconn32- [Transmission Queue]

File Edit Record Transmission Tools Window Help

	Transmit	Activity	Project	Cycle	Description	
	<input checked="" type="checkbox"/>	Request	All	01-02 Data	All 01-02 Data	?
	<input checked="" type="checkbox"/>	Request	CPS	00-01 Data	All 00-01 Data	?
	<input checked="" type="checkbox"/>	Request	Direct Loan	99-00 Data	All 99-00 Data	?
*	<input type="checkbox"/>					

- You may now request all data for a given cycle





# Sending from TQ

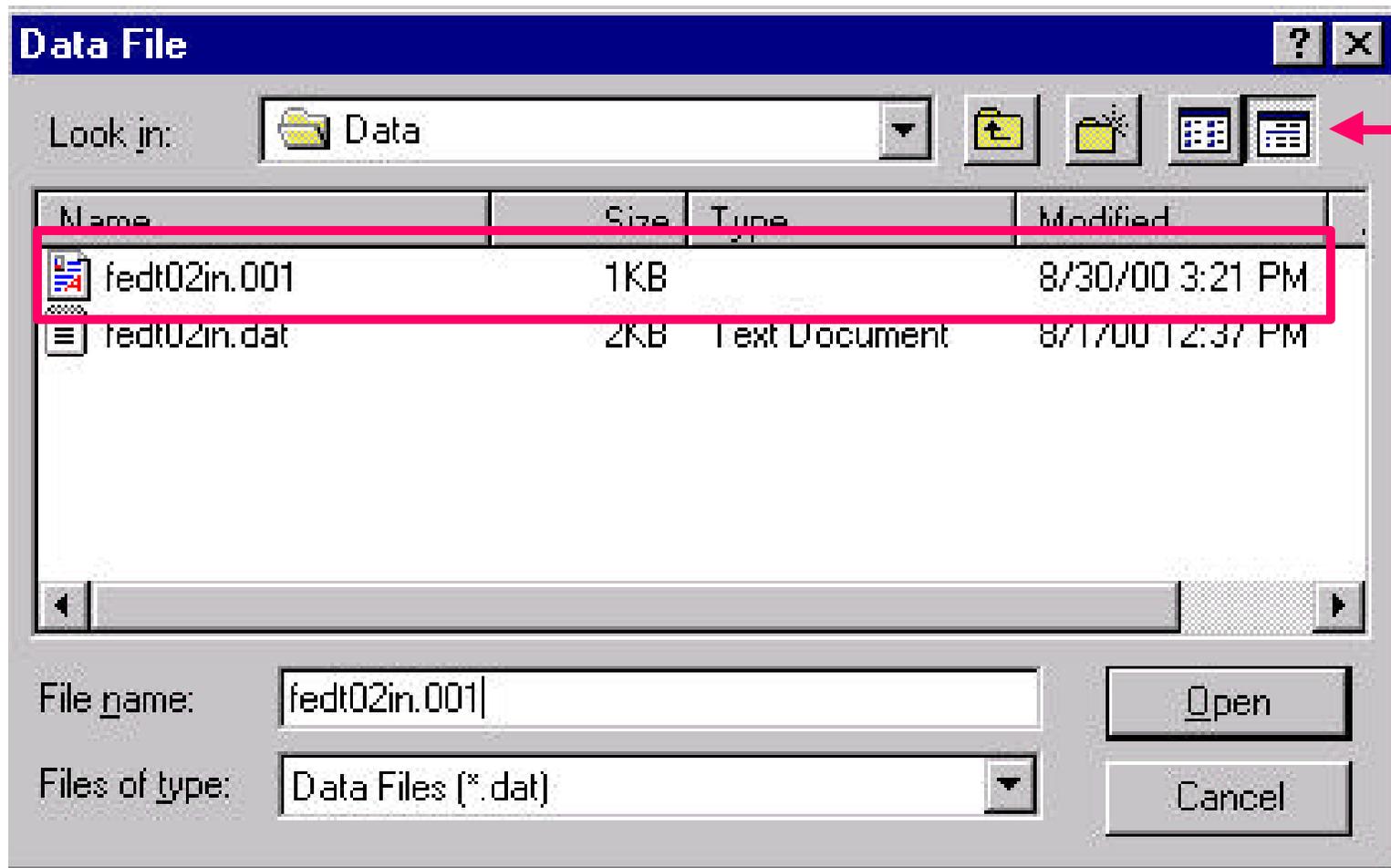
	Transmit	Description	Message Class	File Name	Fi
	<input checked="" type="checkbox"/>	00-01 APPLICATIONS - INITIA	EAPS01IN	c:\iam\data\eaps01in.004	1,35
	<input checked="" type="checkbox"/>	01-02 FISAP EDIT DATA	FEDT02IN	c:\iam\data\fedt02in.*	
*	<input type="checkbox"/>				0

- Always include file name when sending
- An asterisk indicates TQ is not complete





# TQ--Sending a File





## *Other ways to add items to the TQ*

- Use “Drag and Drop” from Windows Explorer
- Enable the “Export to EDconnect” feature in your application software
- Create a batch import file
  - Useful only for extremely large TQ entries



# Activity Log

EDconn32- [Activity Log]

File Edit Record Transmission Tools Window Help

Activity	Add Date	Project	Cycle	Message Class	
Receive	10/10/2000	CPS	00-01 Data	SARA01OP	00-01 ISIR D
Receive	10/10/2000	CPS	00-01 Data	SARR01OP	00-01 ISIR D
Receive	10/10/2000	Direct Loan	00-01 Data	DISF01OP	00-01 ACK. -
Receive	10/10/2000	Direct Loan	00-01 Data	DIOD01OP	00-01 ACK.-D
Transmit	10/10/2000				Start of Trans
Send	10/10/2000	CPS	00-01 Data	CORR01IN	00-01 CORRE
Send	10/10/2000	CPS	00-01 Data	EAPS01IN	00-01 APPLIC
Send	10/10/2000	RFMS	00-01 Data	PGOR01IN	00-01 PELL C
Send	10/10/2000	RFMS	00-01 Data	PGDR01IN	00-01 PELL D
Transmit	10/10/2000				Start of Trans
Error	10/10/2000				Transmission
Transmit	10/10/2000				Start of Trans
Request	10/10/2000	CPS	00-01 Data	????????	All 00-01 Dat
Receive	10/10/2000	CPS	00-01 Data	SARA01OP	00-01 ISIR D
Receive	10/10/2000	CPS	00-01 Data	SARE01OP	00-01 ERROR
Transmit	10/10/2000				Start of Trans
Request	10/10/2000	Direct Loan	All	????????	All Data, All I
Receive	10/10/2000	Direct Loan	00-01 Data	DIOC01OP	00-01 ACK. -
Receive	10/10/2000	Direct Loan	00-01 Data	DIPF01OP	00-01 ACK. -
Request	10/10/2000	CPS	01-02 Data	REAP02OP	01-02 ISIR D
Receive	10/10/2000	CPS	01-02 Data		Message Class which this activity will use p...

Record 104

Transmission... Activity Log

For Help, press F1 Administration Group Tim c:\program files\edconn32\edconn32.mdb NUM





# *Activity Log Tools*

- You may modify field positions and widths of columns
- Old entries may be deleted
- Activity Log may be archived to cut down on the size of the database



We Help Put America  
Through School



---

## *Archive View*

- Allows you to retrieve “lost” files within 10 days
- Use Item Number in Activity Log and Archive Views



We Help Put America  
Through School



# Archive View

	Move to TQ	Message Class	Item Number	Description	Add Date
	<input type="checkbox"/>	SARA01OP	003180158199631708	00-01 ISIR DATA - AUTOMATIC	10/10/200
	<input type="checkbox"/>	DI0C01OP	003180158202324760	00-01 ACK. - CHANGE ORIGINATION	10/10/200
	<input type="checkbox"/>	SARE01OP	003180158208197418	00-01 ERRORS-CORRECTIONS/DUPLICATES	10/10/200
	<input type="checkbox"/>	SSCRXXOP	003180158211286109	SSCR ROSTER	10/10/200
	<input type="checkbox"/>	DIPF01OP	003180158216975050	00-01 ACK. - FULL SUMMARY PLUS	10/10/200
	<input type="checkbox"/>	REAP02OP	003180158219747968	01-02 ISIR DATA-RENWAL APPS	10/10/200
	<input type="checkbox"/>	SARA01OP	003180248689439459	00-01 ISIR DATA - AUTOMATIC	10/11/200
	<input type="checkbox"/>	EAPS01OP	003180248695730313	00-01 ISIR DATA - ELECTRONIC APPS	10/11/200
	<input type="checkbox"/>	SARR01OP	003180248700300621	00-01 ISIR DATA-CORRECT/DUPLICATES	10/11/200
	<input type="checkbox"/>	SARA01OP	003180332760065864	00-01 ISIR DATA - AUTOMATIC	10/12/200
	<input type="checkbox"/>	EAPS01OP	003180332763104813	00-01 ISIR DATA - ELECTRONIC APPS	10/12/200
	<input type="checkbox"/>	SARR01OP	003180332765509548	00-01 ISIR DATA-CORRECT/DUPLICATES	10/12/200
	<input type="checkbox"/>	DI0D01OP	003180332767918350	00-01 ACK.-DISBURSEMENT ORIGINATION	10/12/200
	<input type="checkbox"/>	DIPF01OP	003180332774064152	00-01 ACK. - FULL SUMMARY PLUS	10/12/200





# Archive Item Number

	Move to TQ	Message Class	Item Number	
	<input type="checkbox"/>	SARA01OP	003180158199631708	00-01 ISI
	<input type="checkbox"/>	DI0C01OP	003180158202324760	00-01 AC
	<input type="checkbox"/>	SARE01OP	003180158208197418	00-01 EF
	<input type="checkbox"/>	SSCRXXOP	003180158211286109	SSCR R
	<input type="checkbox"/>	DIPF01OP	003180158216975050	00-01 AC
	<input type="checkbox"/>	REAP02OP	003180158219747968	01-02 ISI
	<input type="checkbox"/>	SARA01OP	003180248689439459	00-01 ISI
	<input type="checkbox"/>	EAPS01OP	003180248685736313	00-01 ISI
	<input type="checkbox"/>	SARR01OP	003180248700300621	00-01 ISI
	<input type="checkbox"/>	SARA01OP	003180332760065864	00-01 ISI
	<input type="checkbox"/>	EAPS01OP	003180332763104813	00-01 ISI

Record 24



# Activity Log Item Number

Cycle	Message Clas	Description	File Name	Item Number
00-01 Data	DIPF01OP	00-01 ACK. - FULL SUMMARY PLUS	c:\iam\data\dipf01 op.001	003180158216975050
01-02 Data	REAP02OP	01-02 ISIR DATA-RENWAL APPS	c:\iam\data\reap02op.*	
01-02 Data	REAP02OP	01-02 ISIR DATA-RENWAL APPS	c:\iam\data\reap02op.dat	003180158219747968
00-01 Data	EAPS01IN	00-01 APPLICATIONS - INITIAL	c:\iam\data\leaps01 in.004	
	MESSAGTB	MESSAGE TABLE DISTRIBUTION	c:\iam\data\messagtb.dat	003180192513576547
	MESSAGTB	MESSAGE TABLE DISTRIBUTION	c:\iam\data\messagtb.022	003180192513576547
		Start of Transmission		
All	?????????	All Data, All Messages	c:\iam\data\?????????.dat	
▶ 00-01 Data	SARA01OP	00-01 ISIR DATA - AUTOMATIC	c:\iam\data\sara01 op.039	003180248689439459
00-01 Data	EAPS01OP	00-01 ISIR DATA - ELECTRONIC APPS	c:\iam\data\leaps01 op.011	003180248695720212
00-01 Data	SARR01OP	00-01 ISIR DATA-CORRECT/DUPLICATE	c:\iam\data\sarr01 op.020	003180248700300621
	SSCRXXOP	SSCR ROSTER	c:\ins\ds\files\sscrxxop.dat	003180158211286109
		Start of Transmission		

- Item number same as Archive (and Mailbox Query)



# Origination Date Displayed

Archive View					
	Move to TQ	Message Class	Item Number	Add Date	
	<input type="checkbox"/>	SARA01OP	003180158199631708	10/10/2000	00-01 ISIR DATA - AUTOM
	<input type="checkbox"/>	DIOCD1OP	003180158202324760	10/10/2000	00-01 ACK. - CHANGE OI
	<input type="checkbox"/>	SARE01OP	003180158208197418	10/10/2000	00-01 ERRORS-CORRE
	<input type="checkbox"/>	SSCRXXOP	003180158211286109	10/10/2000	SSCR ROSTER
▶	<input type="checkbox"/>	DIPF01OP	003180158216975050	10/10/2000	00-01 ACK. - FULL SUMM
	<input type="checkbox"/>	REAP02OP	003180158219747968	10/10/2000	01-02 ISIR DATA-RENEWA
	<input type="checkbox"/>	SARA01OP	003180248689439459	10/11/2000	00-01 ISIR DATA - AUTOM
	<input type="checkbox"/>	EAPS01OP	003180248695730313	10/11/2000	00-01 ISIR DATA - ELECT
	<input type="checkbox"/>	SARR01OP	003180248700300621	10/11/2000	00-01 ISIR DATA-CORRE
	<input type="checkbox"/>	SARA01OP	003180332760065864	10/12/2000	00-01 ISIR DATA - AUTOM
	<input type="checkbox"/>	EAPS01OP	003180332763104813	10/12/2000	00-01 ISIR DATA - ELECT
	<input type="checkbox"/>	SARR01OP	003180332765509518	10/12/2000	00-01 ISIR DATA-CORRE

- Add Date represents the date a given file was placed in your mailbox



# Select Batch in Archive View

Archive View					
	Move to TQ	Message Class	Item Number	Add Date	D
	<input type="checkbox"/>	SARA01OP	003180158199631708	10/10/2000	00-01 ISIR DATA - AUTOI
	<input type="checkbox"/>	DIOC01OP	003180158202324760	10/10/2000	00-01 ACK. - CHANGE O
	<input type="checkbox"/>	SARE01OP	003180158208197418	10/10/2000	00-01 ERRORS-CORRE
	<input type="checkbox"/>	SSCRXXOP	003180158211286109	10/10/2000	SSCR ROSTER
	<input type="checkbox"/>	DIPF01OP	003180158216975050	10/10/2000	00-01 ACK. - FULL SUMM
	<input type="checkbox"/>	REAP02OP	003180158219747968	10/10/2000	01-02 ISIR DATA-RENWA
▶	<input checked="" type="checkbox"/>	SARA01OP	003180248689439459	10/11/2000	00-01 ISIR DATA - AUTOI
	<input type="checkbox"/>	EAPS01OP	003180248695730313	10/11/2000	00-01 ISIR DATA - ELECT
	<input type="checkbox"/>	SARR01OP	003180248700300621	10/11/2000	00-01 ISIR DATA-CORRE





# *Combining Files*

- Available in Message Class Manager
- Default is Off
- Enable within Message Class Manager View



# Combining Files

EDconn32- [Message Class Manager]

File Edit Record Transmission Tools Window Help



	Message Class	User ID	Compressed	Binary	PMessage	Combine
	RAPR99OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	REAP00OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	REAP01OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	REAP97OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	REAP98OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	REAP99OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SARA00OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	SARA97OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SARA97TS	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SARA98OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SARA98TS	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





## *General Database Tips*

- The EDconn32 database is called “edconn32.mdb” and may be backed up
- Also look for “Edconn32.UPG”
  - Backup created by the software
- Database is Access 97 format
  - **Never** convert the database to Access 2000





## ***Moving to the Internet***

- Originally intended to use a Virtual Private Network (VPN) to connect users via the internet
- Pilot conducted in June 2000
- ED determined VPN was not a viable option



# *Internet Objectives*

- Increase customer satisfaction by providing non-intrusive SFA solutions
- Reduce overall cost of delivering student aid
- Increase school's access to SFA databases within Privacy Act constraints and with appropriate security measures





## *Future Internet Plans*

- Use of encryption technology
- A new version of EDconn32 to connect to internet
- Beta test users will be needed
- All users and application systems will use internet connection



We Help Put America  
Through School

## *Internet Solution*

- Solution consists of one store and forward system
- Solution consists of three components
- Solution supports multiple platforms
- Supports secure TCP/IP-based FTP file transfers over Internet





# *How the Internet Solution Affects You*

## Benefit Analysis:

- Non-intrusive Internet solution (no hardware or software costs)
- Header/Trailer, Batch number supported
- Continue to use existing processes with minimal changes



We Help Put America  
Through School

## *Three Components*

- **EasyAccess2000** - Client used by SFA end users and Title IV application systems to send / receive data.
- **KeyManager2000** - Administrative system to perform mailbox management and other administrative duties
- **SecurePortal2000** - Store and forward system which replaces Open\*Net and Enterprise



# References

## ■ SFATech List Serve

- <http://www.ed.gov/offices/OSFAP/sfatech/index.html>
- FAQ Page
  - Updated twice a month or more

## ■ Help text in EDconn32

- C:\Program Files\EDconn32\EDconn32.doc

## ■ Desk References





---

## *Further Assistance*

We appreciate your feedback and comments!

Contact: Title IV WAN Customer Service

Phone: 1-800-615-1189

Email: [T4WAN@NCS.COM](mailto:T4WAN@NCS.COM)



We Help Put America  
Through School

---



Electronic Access Conference  
2000 GET CONNECTED

# *School Perspective*

- Introduction
  - Who we are
  - How we use EDconn32
- Tips and Tricks



We Help Put America  
Through School



Electronic Access Conference  
2000 GET CONNECTED

# Questions & Discussion



We Help Put America  
Through School