# **Record and Playback in T3 E3**

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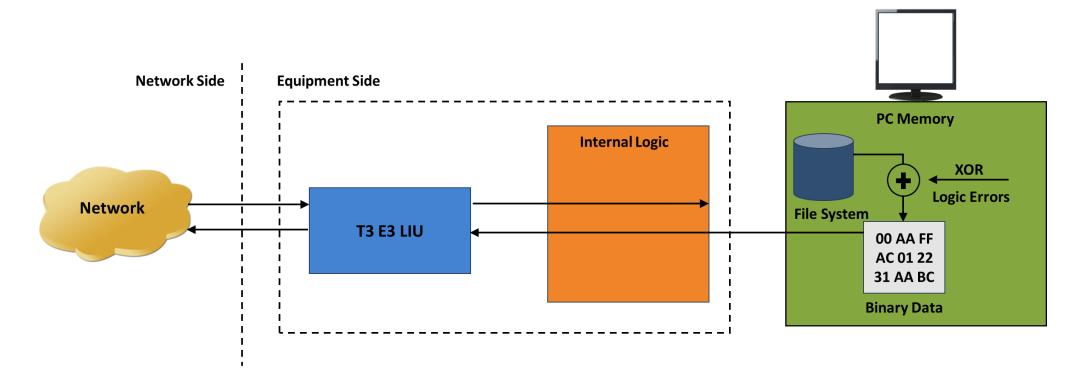
# **Optional Applications**

- Record and Playback Software
  - Playback (Transmit from File)
  - Record (Capture to File)
- Client Server File Record Playback



# **Playback (Transmit from File)**

Logical diagram for transmit from file (playback) application



• The transmit file application permits transmission of a file of any length or transmission of data from memory in hex format



# **Playback (Transmit from File)**

- Transmit flat binary file or user selected file over T3 or E3
- Playback over framed or unframed T3 or E3
- Continuous playback or single instance playback
- Manual insertion of single error along with the data stream play back
- Statistics such as Underruns, MissedXfer, Skipped Bytes and Blocks can be observed for the selected port



# Playback (Transmit from File)

User Interface for transmit from file/memory (playback) application

Port #1 Port #2			Port Selection —
🕫 Fro	m File 🔹 C From Memo	ry	
File Playback	#1		
Filename to Playback			# C
	Communications Inc\Lapto	n T3 Ana 💌	
T Criterogrammiestac	communications increapte		
Use Byte Offset	: for Playback (M Bytes)		
		Continuous	
Current Offset 23.	000000 M Bytes	Playback	
	in bycos	Send Idle	
			📃 🔲 Sync, Playba
		Code at the	
0	11 23	Code at the End	
0	11 23		
0		End	
0		End	
		End	Stop
erformance and Results -		End	
erformance and Results - Item Description Playback file	Insert Sing	End	Stop
erformance and Results - Item Description Playback file Underruns	Port #1 test_my_signal 0	End	Stop
erformance and Results - Item Description Playback file Underruns Calculated Byte Loss	Port #1 test_my_signal 0	End	Stop
erformance and Results - Item Description Playback file Underruns Calculated Byte Loss Underruns Occurance	Port #1 test_my_signal 0 0	End	Stop
	Port #1 test_my_signal 0	End	

Playback Data						
Port #1       Port #2 <ul> <li>             From File</li> <li>             From Memory</li> </ul> Memory Playback         Data to Transmit (in HEX)       Size of Data                00 00 00 00                 Port Selection                 Size of Data                 00 00 00 00                 Size of Data                 Size of Data                 Size of Bata                 Size of Data                 Size of Bata                 Size of Bata                 Size of Bata                 Size of Bata						
Performance and Results	Insert Single Error Close	Start				
Item Description	Port #1					
Playback file	From Memory					
Underruns	0					
Missed Xfers	0					
Skipped Bytes	0 0					
Skipped Blocks	0					

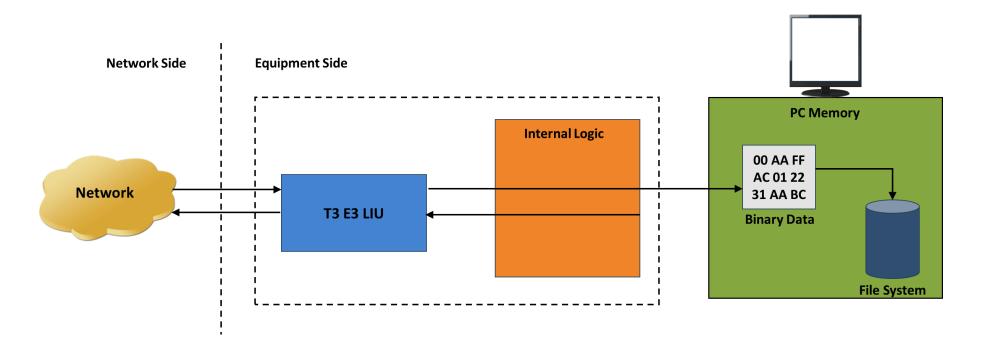
From Memory and/or File Playback -

- In file playback, files of any length can be transmitted continuously (without loss)
- In memory playback, data to be transmitted (in HEX) with maximum size of 4 bytes



#### **Record (Capture to File)**

Logical diagram for capture (record) application



- Permits continuous or limited capture of data on the T3 or E3 lines
- Save the captured data in binary file format
- Supports synchronized capture for multiple cards



# **Record (Capture to File)**

- Capture incoming data into binary flat file
- Each T3 or E3 Signal is captured into separate files
- Synchronized capture from both ports
- Unframed T3 or E3 or Framed T3 or E3
- Capture up to user selected size or manually stop
- Typical applications include capture of video files, traffic loading applications, surveillance applications, and protocol analysis



# **Record (Capture to File)**

#### User Interface for capture (record) application

- Capture incoming data into binary flat file
- Synchronized capture from both ports
- Unframed T3 or E3 or Framed T3 or E3 Capture
- Limited Capture (specific number of Megabytes)

Record Data to File					_ 🗆 🗙			
Filename to Record (Will append port number to the end of filename) C:\Documents and Settings\Shashi\My Documents\test								
C: (Documents and Settings(Sr	nasni (i™iy D	ocumentsite	st		⊻ .			
Size: 1000000	1 Bytes	Port Select #1 #2		Sync, C	iapture			
Performance and Results		Close		Stop				
Item Description	Port #1							
Recorded File	test_Por	t1						
Overruns	437640							
Calculated Byte Loss	81580							
Overruns Occurance	1							
Missed Xfers	2							
Skipped Bytes Skipped Blocks	0 0							



### Thank you

