

SECTION 5 - TELECOMMUNICATIONS

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The rEDI-link Blue communication platform supports asynchronous telecommunications up to 28.8 bps and 2780/3780 bisynchronous communications with V.32 modems at 9600 pbs.

rEDI-link Blue will support numerous asynchronous telecommunication protocols, including Kermit, Xmodem (Check Sum), Ymodem (Batch), and Zmodem. Most off the shelf communication software will support one or all of these protocols. You may select any of the protocols indicated however, *we recommend Zmodem based on its speed and reliability. In addition, we encourage the use of PKZIP compatible compression.* We have defaulted everyone to uncompressed, if you wish to receive all files from us "zipped", you must contact our office for maintenance to the database.

The asynchronous users modem should be compatible with V.34 - 28.8 bps, V.42 - 14.4 bps or V.32 - 9.6 bps.

rEDI-link Blue will support:

- National Standard Format claim submission (versions 1.04, 2.0 and 3.01)
 - Medicare Part B - Texas, Maryland and DCMA/DE
 - Texas Blue Shield
 - Texas THIN Clearinghouse
 - Texas Medicaid
- American National Standards Institute (ANSI) X12 - 837 claim submission (versions 3032.2B, 3051.3B and 3051.3B.01)
 - Medicare Part B - Texas, Maryland and DCMA/DE
 - Texas Blue Shield
 - Texas THIN Clearinghouse
 - Texas Medicaid
- American National Standards Institute (ANSI) X12 - 837 claim submission (versions 3032.2A, 3051.3A and 3051.3A.01)
 - Medicare Part A - Texas, New Mexico and Colorado
 - Texas Blue Cross
 - Texas THIN Clearinghouse
- UB92 (version 004) claim submission format for:
 - Medicare Part A - Texas, New Mexico and Colorado
 - Texas Blue Cross
 - Texas THIN Clearinghouse
- National Standard Format Electronic Remittance (version 1.04) for:
 - Medicare Part B - Texas, Maryland and DCMA/DE
 - Texas Blue Shield
- National Standard Format Electronic Remittance (version 2.0) for:
 - Medicare Part B - Texas, Maryland and DCMA/DE

- American National Standards Institute (ANSI) X12 835 Electronic Remittance (versions 3030.2B and 3051.3B) for:
 - Medicare Part B - Texas, Maryland and DCMA/DE
 - Texas Blue Shield
- American National Standards Institute (ANSI) X12 835 Electronic Remittance (versions 3030.2A and 3051.3A) for:
 - Medicare Part A - Texas, New Mexico and Colorado
 - Texas Blue Cross

In addition to claim submission, other applications available on the rEDI-link Blue system include:

- Electronic Remittance Retrieval and Mailbox Reload
- Response File Retrieval and Reload
- Medicare Part B Beneficiary Eligibility - Batch Inquiry

The rEDI-link Blue system is available 24 hours a day, 7 days a week. The real time editing system is down from 11:30 PM to 4:30 AM (CST). If the editing system is not available, you may upload a file to rEDI-link Blue and as soon as the editing system resumes processing, files in rEDI-link Blue will be edited. The response file will be built and loaded into your mailbox for retrieval at your convenience. Response files are now available in either a file format (page 5.23) or a report format (page 5.20). We have defaulted everyone to the report format, if you wish to receive the response file in the file format, you must contact our office for maintenance to the database.

The following communication packages are currently successfully transmitting to rEDI-link Blue:

ProComm Plus	Release 2.01 (DOS)
ProComm Plus	Release 2.11 (Windows)
Crosstalk	Release 2.2 (Windows)
QuickLink2	Release 1.4.3 (Windows)
PC Anywhere	Release 5.0 (DOS)
PC Anywhere	Release 2.0 (Windows)
Term	Release 6.1, 6.2 and 6.3
Mlink	Release 6.07
HyperTerminal	Included in Windows '95

The settings you should verify are: Terminal emulation must be VT100,
Parity - NONE,
Data Bits - 8, and
Stop Bits - 1

For Zmodem, ensure that both sender and receiver crash 'recovery' is "OFF" or set to "OVERWRITE".

When downloading a file this setting will determine whether Z-Modem overwrites an existing file of the same name. Since the response and ERN remittance file names will be repeated, we recommend that the downloaded files be renamed or moved to another directory immediately to avoid losing or overwriting a file.

The rEDI-link Blue asynchronous transmission phone numbers are:

972/889-LINK (5465)
or
410/539-LINK (5465) in Baltimore

NOTE: The Login ID and Password must be entered in all capital letters. The password will not display on the screen as you enter it.

Pages 5.5 - 5.9 are instructions and screen samples for asynchronous submission.

Pages 5.10 - 5.19 are instructions for bisynchronous submission.

If you have any questions regarding the rEDI-link Blue platform, you may phone the EDI Helpline at 972/889-5465 or 410/527-5654 in Baltimore.

MAIN MENU

- After reviewing the messages screen for announcements, press <RETURN> and the main menu will be presented identifying the users options. You may select either the number corresponding to your desired selection or the first letter of the selection (identified in parenthesis).

Following is a sample of the main menu:

```
                Welcome to rEDI-link Blue
                =====
                1. (D)ownload
                2. (U)pload
                3. (L)ist Files in Mailbox
                4. (H)elp
                5. (Q)uit

                Selection:
```

UPLOAD

- Upon selection of the "2. (U)pload" option to upload files to the system, the user is prompted to select the file transfer protocol of their choice. If the user selects "Q", it will return to the main menu.

```
<<<< UPLOAD A FILE >>>>
**** Select Protocol:      K for Kermit
                          X for XMODEM
                          Y for YMODEM (BATCH)
                          Z for ZMODEM

                          or Q to QUIT
```

If the user selects any one of the protocols, the user will be further prompted to initiate the file transfer on the remote computer. If the file transfer is complete and successful, the "Transfer COMPLETED SUCCESSFULLY" message will be displayed on the screen. If the file transfer fails, the "Transfer FAILED" message will be displayed on the user's screen.

```
<<<< UPLOAD A FILE >>>>
**** Select Protocol:      K for Kermit
                          X for XMODEM
                          Y for YMODEM (BATCH)
                          Z for ZMODEM

                          or Q to QUIT

**** Please place your pc in Kermit mode to send the file.

**** Transfer COMPLETED SUCCESSFULLY ****
Press <RETURN> to continue
```

Upon successful transmission of a file the user may exit and dial back in a few minutes later to download the response file, or go directly into the "List files in Mailbox" and await the response load. The length of time between a file upload and the response file availability will vary based on the file size. The time should not exceed one hour unless the editing system is unavailable. When the response file, ERN file, or eligibility file is available - the user should proceed to the "Download" option.

DOWNLOAD

- Upon selection of the "1. (D)ownload" option to download files, the user is prompted for the following:

```
>>>> DOWNLOAD A FILE <<<<
**** Select Protocol:      K for Kermit
                           X for XMODEM
                           Y for YMODEM (BATCH)
                           Z for ZMODEM
                           or Q to QUIT
```

If the user selects Zmodem, Kermit, or Ymodem, the user will be presented with a prompt asking if the user wishes to download all files in the mailbox. If the user selects this option, a Zmodem, Kermit, or Ymodem transfer will be initiated to download all files. If the user does not select this option, the user will be presented with a list of files available for download. If the user selects Xmodem, the file list will be presented.

The user will simply enter the number associated with the file to commence the download:

```
>>>> DOWNLOAD A FILE <<<<
**** Select Protocol:      K for Kermit
                           X for XMODEM
                           Y for YMODEM (BATCH)
                           Z for ZMODEM
                           or Q to QUIT

Do you wish to download all of the files in the mailbox? (Y/N)
Press Y/N to continue or q to quit

Your mailbox contains the following files
#  Filename                                     Type  Size   Date      Time  Ftype
=====
 1. RSP00100.ZIP.REJECTED_ID                    f    160   Aug 12 1997 06:50 Seq
 2. RSP00101.ZIP.CLAIM_RESPONSE                 _ f   2146   Aug 12 1997 08:50 Seq

**** Please enter the number corresponding to your file choice or q to quit
**** and press <RETURN> to continue:
```

All files in the outbound mailbox will have a verbal description after the normal DOS-compliant filename. The description will be tagged onto the end of the file in the mailbox, but will not be included in the downloaded file name.

Example file names are:

ERN00200.ZIP.NSF_MB_C00901	=	MD Medicare B NSF Remittance
ERN00300.ERN.NSF_MB_C00901	=	MD Medicare B NSF Remittance
ERN00300.ERN.NSF_MB_C00902	=	DE Medicare B NSF Remittance
ERN00300.ERN.NSF_MB_C00903	=	DCMA Medicare B NSF Remittance
ERN00300.ERN.NSF_MB_C00900	=	TX Medicare B NSF Remittance
ERN00300.ZIP.NSF_BS_G84980	=	Blue Shield NSF Remittance
ERN00300.ERN.835_MB_C00901	=	MD Medicare B ANSI Remittance
ERN00300.ERN.835_MB_C00900	=	TX Medicare B ANSI Remittance
ERN00300.ERN.835_MB_C00902	=	DE Medicare B ANSI Remittance
ERN00300.ERN.835_MB_C00903	=	DCMA Medicare ANSI Remittance
ELI 00100.ELI.NSF_C00900	=	TX Medicare B NSF Eligibility Response File
ELI 00100.ELI.NSF_C00901	=	MD Medicare B NSF Eligibility Response File
ELI 00100.ELI.NSF_C00902	=	DE Medicare B NSF Eligibility Response File
ELI 00100.ELI.NSF_C00903	=	DCMA Medicare B NSF Eligibility Response File
ELI 00105.ELI.ANSI_271	=	ANSI 271 Eligibility Response File
RSP00100.ZIP.CLAIM_RESPONSE	=	Claim Response File
RSP00501.RSP.INVALID_FILE_HDR	=	Invalid File Header
INV00201.RSP.INVALID_ZIP_FILE	=	Unable to Process This Zipped File
RSP00600.RSP.REJECTED_ID	=	Login ID and Submitter ID in file do not match.
RSP00700.RSP.ANSI_997	=	ANSI Functional Acknowledgment
RSP00022.RSP.HCFA_NSF	=	HCFA NSF Response File
MSG00002.MSG.INFO_MESSAGE	=	Message - ANSI Translation Error
RSP00200.ZIP.THIN_F68241	=	Response file from payor number 68241 (Prudential)

(Note: The "ZIP" extension will replace the three character extensions in the file name based on the Zip flag in our control file.)

If the file transfer is complete and successful the "Transfer COMPLETED SUCCESSFULLY" message will be displayed on the screen and the file will be deleted from the mailbox. If the file transfer fails, the "Transfer FAILED" message will be displayed on the user's screen. Files will not be deleted from the user's mailbox if the file retrieval failed.

LIST FILES

- Upon selection of the "3. (L)ist Files" option on the main menu or if the user selects (X)modem in the Download option, the user is presented a list of the files in their mailbox.

Following is a sample of the List Files screen:

```
**** Enter the filename you wish to have listed,
**** or press <RETURN> to list all files in your mailbox.

**** Enter Search Pattern:

Your mailbox contains the following files
#  Filename                               Type  Size    Date      Time  Ftype
=====
1.  ELI00010.ZIP.NSF_C00901                f     1144   Aug 12 1997  10:50 Seq
2.  RSP00202.ZIP.CLAIM_RESPONSE            f    45146   Aug 12 1997  11:20 Seq
3.  RSP00203.ZIP.HCFA_NSF                  f     8364   Aug 12 1997  11:20 Seq

*** End of file list, Press any key to continue
```

The user can type a partial file name combined with an optional wildcard. All files matching the search pattern in the user's mailbox will be displayed. If no matching files are found, an appropriate message will be displayed and the script will present "Enter Search Pattern:" prompt again. If there are more than 15 files to be listed, the system will pause and scroll the listing.

FUTURE ENHANCEMENTS:

- The ability to request a response file or electronic remittance file be reloaded into your mailbox. You will submit a request record based on the type of file requested. The request will be processed and loaded into the users mailbox.
- An interactive bulletin board is scheduled for 1998 that will allow for retrieval of specifications, EDI newsletters, software, etc.

GENERAL BISYNCHRONOUS PROTOCOL INFORMATION

- **OVERVIEW**

Operation with bisynchronous communications requires that certain rules exist throughout the communications system. The following rules apply to all stations communicating with the Texas Health Information Network (*THIN*) using binary synchronous protocol.

- Point-to-Point Dial-up (switched) connection
- Half-Duplex transmission
- Non-Transparent data
- Compressed or non-compressed data
- 512 byte block-buffer limit
(If using 2780 protocol, only 1 record can be transmitted per block.)
- Data link control characters used: EBCDIC
- DCE should do the clocking
- Record size - 322 bytes (STX + 320 byte record + ETB)
- MASTER site is *THIN*.
- SLAVE sites are all sites communicating with *THIN*
- Cyclic Redundancy checking is performed by *THIN*

- **MASTER/SLAVE RELATIONSHIP**

The SLAVE establishes communications with the MASTER by dialing the specified telephone number and establishing carrier with the MASTER's modem. After carrier is detected the user's program should send an ENQ (Enquiry) to indicate that the user is ready to send. If the user receives an ACK 0 (Affirmative Acknowledgment), the user should start sending data. If the user receives a NAK or WACK, the user should reissue the ENQ until he receives an ACK 0 or times out (three attempts).

- **BUFFER OPERATION WHEN TRANSMITTING**

Data received from the user is placed in the first block of the buffer until one of two ending conditions is satisfied.

- An "end of file" (ETX(End-of-Text)) signal is received
- An "end of record" signal is received and there is no more space for the next record. When this occurs, an ETB(End-of-Block) condition is set for that block.

End of Card: The user should emulate transmission from a card reader and send records with a length of 320 bytes. An IRS (Interchange Record Separator) character should follow each record if multiple records are sent in one block.

Once the first record is read, the program should determine if there is enough space available in the 512 byte block to send another record plus one IRS character. If you are using compressed data, your record will also include two control characters (320 & IRS + 1D & tag character).

Note: If using 2780 protocol, only 1 record per block can be transmitted.

An End-of-Block (ETB) condition occurs when there is no more room for the next record in the 512 byte block.

End of File: The transferring of data into and out of each buffer block continues until the Input Device signals an End-of-File condition. The last block of data transmitted is terminated with an ETX (End-of-Text) character signifying the last block of data is transmitted.

- **BUFFER OPERATION WHEN RECEIVING**
Summaries received at the SLAVE's site from the communications line are placed in the first block of the buffer. When an End-of-Block (ETB or ETX) is received and the block does not contain an error, the data should be sent to the printer or disk file. If a transmission error occurs (NAK), the receiving buffer pointer should be reset to the beginning and preparation should be made to re-receive the transmission. The data transfer continues with data being transferred into and removed from alternative buffers until the MASTER signals an End-of-File (ETX).
- **TIMEOUT CONTROLS**
Two terminals, in a ready to transmit condition and using the same communications line, can bid for the line simultaneously. When this contention for the line occurs, neither terminal is aware of the request of the other. Therefore, timeout controls should be provided. These timeout controls are used to establish priority when a contention-for-the-line condition exists, thereby preventing the transmission line from being tied up unnecessarily under certain adverse conditions.

Line Bid - A user sending ENQ as a bid for the line waits three seconds for an acknowledgment before repeating ENQ. The MASTER has a timeout of 30 seconds and the SLAVE has a timeout of three seconds.

Response - A user waits for response to ENQ, ETB or ETX. After the normal three automatic retry requests (ENQ) for response, the SLAVE site will time out.

Transmission - When the user is receiving, the user should wait three seconds for STX after achieving synchronization.

Wait - The wait sequences, WACK and TTD, are timed out by a two second timeout at the initiating station. This interval avoids the three second transmission or response timeout at the remote station.

Sync Timeout - Only SYN characters have been received for three seconds.

The MASTER initiates a 30-second timeout upon receiving a sync pattern (SYN SYN). It must receive a STX character or another sync pattern within this time.

If no sync pattern is received by this time, synchronization is abandoned.

A SLAVE site must respond to a block-checking operation within two seconds. If unable to do so, the SLAVE site will remain in receive mode and wait for the MASTER to send an ENQ to solicit the response.

- MODEMS

Operation with bisynchronous communications requires that certain rules be followed concerning data set equipment throughout the communications system.

Clocking: Clocking must be the same for all stations. DCE (Data Communications Equipment - Model) should do the clocking.

9600 BPS using a V.32 modem

Primary Options: Line type: 2-wire dial
 Data Format: synchronous
 Character Length: 10 bits
 Dialer Mode: Off
 V.42 Mode: Off
 Buffer Mode: Enable
 Speed, Max bps: 14.4k
 Speed, Min bps: 0-300
 Speed Type: V.32/V.32 bis

Dial Line Options: Auto-Answer: Enable
 Disconnect, RX Space: Disable
 Disconnect, TX Space: Disable
 Disconnect, Carrier: Disable
 Disconnect, Line Current: Disable
 Disconnect RTS (sec): Off
 TX Level, Dial: Permissive
 Carrier Detect Level, Dial (dBm): 34
 T1 Timer (sec): 0
 Wait for Carrier (sec): 30
 Pulse Dialing Rate (pps): 10

EIA Interface Options: DTR: Normal
 DSR: Normal
 DCD: Normal
 CTS: Follow RTS
 Analog Loopback Test: Disable
 Remote Digital Loopback Test: Disable
 Test Mode: Normal
 CD/DSR Delay: Disable

• SAMPLE OF A BISYNCHRONOUS TRANSMISSION SESSION:

1. DIAL THIN =====>
2. <===== ANSWER TONE
3. SEND ENQ =====>
4. <===== SEND ACKNOWLEDGMENT (ACK0)
5. SEND AA0 IN FOLLOWING FORM:
 (STX-DATA-ETB) =====>
6. <===== SEND ACKNOWLEDGMENT (ACK1/0)
7. SEND NEXT RECORD IN SAME FORM:
 (STX-DATA-ETB) =====>
8. <===== Send ACKNOWLEDGMENT (ACK1/0)
9. REPEAT 7 AND 8 UNTIL LAST
 RECORD HAS BEEN TRANSMITTED
10. SEND ZA0 IN FOLLOWINGFORM:
 (STX-DATA-ETB) OR =====>
 (STX-DATA-ETX)
- USE STX-DATA-ETB WHEN SENDING MORE THAN ONE FILE.
 USE STX-DATA-ETX WHEN SENDING THE LAST FILE OR WHEN SENDING ONLY ONE
 FILE.
11. <===== SEND ACKNOWLEDGMENT (ACK1/0)
- *****
- ** IF MORE THAN ONE FILE **
- *****
12. REPEAT 7 THRU 11 UNTIL LAST
 ZA0 HAS BEEN TRANSMITTED
- *****
- ** ELSE **
- *****
13. SEND ANEOT =====>
14. <===== SEND ANENQUIRY (ENQ)
15. SEND (ACK0) =====>
16. <===== TRANSMIT SUMMARYPRINTLINE TO
 PRINTER
 (STX-DATA-NL-ETB)*
17. SEND (ACK1/0) =====>
18. <===== REPEAT 16 AND 17 UNTIL LAST SUMMARY
 PRINTLINE IS TRANSMITTED
19. <===== SEND ANEOT DISCONNECT
20. DISCONNECT

DATA IS TRANSMITTED IN NON-TRANSPARENT MODE.

**THIN* does not send control characters to control the printline. The NL-ETB is an indication that it is at the end of the printline and should automatically line feed the printer to the next line.

• CHARACTER DEFINITION TABLE

Vocabulary Character	Character Name	Control State	Message Transfer State	EBCDIC Character
ENQ*	Enquiry	Can you accept transmission?	Between Blocks: Please respond or repeat last transmission. Terminating a Block: Discard this block and respond with NAK	s s E y y Q x'2D'
ACK 0*	Even affirmative acknowledgment	I can accept transmission	Even block received and validated	s s D 7 y y L 0 DLE x'70'
ACK 1*	Odd affirmative acknowledgment	None	Odd block received and validated	x x D 6 y y L 1 DLE x'61'
STX	Start of text	Change to message transfer state and start computing check value	Clear check circuits and start computing new check value	x x S y y X x'02'
NAK*	Negative acknowledgment	I cannot accept transmission	Block not validated, can accept retransmission	s s N y y K x'3D'
TTD*	Temporary text delay	Transmission will begin presently, respond NAK and wait	Transmission will begin presently, respond NAK and wait	s s S E y y X Q x'02'x'2D'
WACK*	Wait before transmission	Enquire again later and delay transmission until affirmative acknowledgment received	Enquire again later and delay transmission until affirmative acknowledgment is received. Block received and validated.	s s D 6 y y L B DLE x'6B'
ETB*	End of text block	None	Check value follows, then turnaround and response. Another text block to follow.	s s E y y B x'26'

ETX*	End of text	None	Check value follows, then turnaround and response. This completes the text but does not release data link.	s s E
EOT	End of transmission	Drop synchronism and return to control state.	Drop synchronism and return to control state. Not valid in text.	s s E y y T x'37'
PAD	Leading pad	Establish bit synchronism	Establish bit synchronism	x'AA'
	Trailing pad	Turnaround time	Turnaround time	x'FF'
SYN	Synchronous idle	Establish or assure character synchronism, or time-fill, discard character	Establish or assure character synchronism, or time-fill. Discard character.	s y x'32'

*Line turnaround occurs after this character and its associated characters.

- BISYNCHRONOUS DATA LINK CONTROLS

Data Link Escape	DLE	x'10'
Acknowledgment	ACK0	DLE, x'70'
Acknowledgment	ACK1	DLE, x'61'
Wait Acknowledgment	DLE	x'6B'
End of Transmission	EOT	x'37'
Start of Text	STX	x'02'
End of Text	ETX	x'03'
End of Transmission Block	ETB	x'26'
Enquiry	ENQ	x'20'
Compression		x'1D'
New Line	NL	x'15'

BISYNCHRONOUS SUBMISSION

The rEDI-link Blue bisynchronous system will only allow claim file submission and response file retrieval. **Electronic remittance notice retrieval must be done asynchronously.**

The following bisynchronous communication packages have been successfully tested on the new platform:

CLEO 3780 plus
AST 3780

Bisynchronous submitters must be activated on the rEDI-link Blue platform prior to transmitting. Page 5.19 is a Bisync Activation Form which must be faxed to the Provider Automation Department prior to claim submission/transmission. ***Do not complete this form if you transmit asynchronously. If you are unsure which protocol you use, ask your vendor.***

The initial claim submission response file from THIN, must be retrieved bisynchronously if the claim file was submitted bisynchronously. Bisynchronous submitters have the option of retrieving **commercial response files** asynchronously or bisynchronously. Your preference must be indicated on the Bisync Activation Form.

The Activation Form will be faxed back to you within 24 hours as acknowledgment that you are set up and may begin transmission.

Page 5.17 and 5.18 are the record layouts for the Upload and Download Header Records required for bisynchronous submission and response file retrieval. These records must precede the claim file. The Upload of a claim file and the Download request of a response file must be done in two separate transfer definitions, you should not append the download request records to the end of the claim file submission.

The bisynchronous rEDI-link Blue transmission phone numbers are:

972/889-8200
or
410/539-3007 in Baltimore

If you have any questions regarding the rEDI-link Blue platform, you may phone the EDI Helpline at 972/766-5480 or 410/527-5654 in Baltimore.

UPLOAD A FILE

Upon connecting to the rEDI-link Blue system, a 320 byte (NSF) or a 192 byte (UB92) Bisync Security Header Record and a Bisync Transfer Header Record must precede a NSF, UB92 or ANSI claim file. The Bisync Header Records must contain the following information when uploading a claim file to the rEDI-link Blue system.

SECURITY HEADER RECORD

POSITIONS 1 THRU 9

05 BISYNC-HEADER-RECORD PIC X(08) VALUE 'RECORD 1'.

05 FILLER PIC X(01).

POSITIONS 10 THRU 20

05 BISYNC-SUBMITTER-ID PIC X(06).

05 FILLER PIC X(05).

POSITIONS 21 THRU 320(nsf) or 192(ub92)

05 BISYNC-PASSWORD PIC X(06).

05 FILLER PIC X(294) NSF or (166) UB92.

CR/LF - Required for PC based systems only.

TRANSFER HEADER RECORD

POSITIONS 1 THRU 4

05 RECORD-HEADER PIC X(04) VALUE '#DAC'.

POSITIONS 5 THRU 10

05 BISYNC-REQUEST PIC X(01).
10 BISYNC-REQUEST-SEND VALUE 'S'.

05 FILLER PIC X(05).

POSITIONS 11 THRU 17

05 BISYNC-FILE-TYPE PIC X(06) VALUE 'BISYNC'.

05 FILLER PIC X(01).

POSITIONS 18 THRU 32 (nsf) or 192(ub92)

05 BISYNC-TRANSFER-CLAIM
10 BISYNC-TRANSFER-CLM-NAME PIC X(08) VALUE 'CUSTOMER'.
10 BISYNC-TRANSFER-CLM-NAME PIC X(05) VALUE '_UPLD'.

05 FILLER PIC X(290) NSF or (162) UB92

CR/LF Required for PC based systems only.

DOWNLOAD A RESPONSE

Upon connecting to the rEDI-link Blue system, a 320 byte (NSF) or a 192 byte (UB92) Bisync Security Header Record followed by a Transfer Header Record must be uploaded with the following information. This will release the response file from the queue and the download will begin.

SECURITY HEADER RECORD

POSITIONS 1 THRU 9

05 BISYNC-HEADER-RECORD PIC X(08) VALUE 'RECORD 1'.

05 FILLER PIC X(01).

POSITIONS 10 THRU 20

05 BISYNC-SUBMITTER-ID PIC X(06).

05 FILLER PIC X(05).

POSITIONS 21 THRU 320(nsf) or 192(ub92)

05 BISYNC-PASSWORD PIC X(06).

05 FILLER PIC X(294) NSF or (166) UB92.

CR/LF - Required for PC based systems only.

TRANSFER HEADER RECORD

POSITIONS 1 THRU 4

05 RECORD-HEADER PIC X(04) VALUE '#DAC'.

POSITIONS 5 THRU 10

05 BISYNC-REQUEST PIC X(01).
10 BISYNC-REQUEST-RECEIVE VALUE 'R'.

05 FILLER PIC X(05).

POSITIONS 11 THRU 17

05 BISYNC-FILE-TYPE PIC X(06) VALUE 'BISYNC'.

05 FILLER PIC X(01).

POSITIONS 18 THRU 32 (nsf) or 192(ub92)

05 BISYNC-TRANSFER-RESPONSE
10 BISYNC-SUBMITTER-ID-NUMBER PIC X(08) VALUE 'CUSTOMER'.
10 BISYNC-TRANSFER-RSP-DNLD PIC X(05) VALUE '_DNLD'.

05 FILLER PIC X(290) NSF or (162) UB92

CR/LF - Required for PC based systems only.

TO: PROVIDER AUTOMATION
ATT:: N. REED or C. WISDOM
FAX#: 972/766-5102

rEDI-link Blue
BISYNC ACTIVATION FORM

**** DO NOT COMPLETE THIS FORM IF YOU TRANSMIT ASYNCHRONOUSLY ****
**** IF YOU ARE UNSURE WHICH PROTOCOL YOU USE - ASK YOUR VENDOR ****

FROM: _____
(SUBMITTER NAME) (SUBMITTER ID)

CONTACT: _____
(CONTACT NAME)

(CONTACT PHONE)

(CONTACT FAX)

RESPONSE FILE FORMAT PREFERENCE: _____
(CHECK ONE) REPORT FILE

COMMERCIAL RESPONSE RETRIEVAL: _____
(CHECK ONE) (ASYNCHRONOUS) (BISYNCHRONOUS)

(INTEROFFICE USE ONLY - DO NOT WRITE BELOW THIS LINE)

(ACTIVATED BY)

(ACTIVATION DATE)

rEDI-link Blue - Claim Acceptance Response

Response Date: 1997/05/08⁽¹⁾ Response Type: INITIAL Response Time: 07:43:42⁽²⁾

SENDER: XCLR00⁽³⁾ TEXAS HEALTH INFORMATION NETWORK
PAYOR: C00900⁽⁴⁾ TEXAS - MEDICARE 'B' Format:NSF⁽⁵⁾

(6) SUBMITTER ID: SSSSSS^(A) FILE ID: 001488^(B) Status: REJECTED/PROD^(C)
Total Claims: 97^(D) Charges:\$11,415.07^(E)
Claim Rejects: 97^(F) Charges:\$11,415.07^(G)
^(H) I MSG-194 FILE-TOTAL-CHARGES *SUM=11,415.07 *TRAILER=9,918.07 ZA0^(I)
^(H) R MSG-190 FILE - OUT OF BALANCE ZA0^(I)

(7) PROVIDER ID: 00AAAA^(A) BATCH ID: 001488^(B) Status: REJECTED/PROD^(C)
Total Claims: 87^(D) Charges: \$9,760.07^(E)
Claim Rejects: 87^(F) Charges: \$9,760.07^(G)
^(H) I MSG-294 BATCH-TOTAL-CHARGE *SUM=9,760.07 *TRAILER=9,918.07 YA0^(I)
^(H) R MSG-290 BATCH OUT OF BALANCE YA0^(I)

(8) PATIENT: MURPHY DOROTHY^(A) PCN: 023650100874^(B) STATUS: REJECTED^(C)
INSURED:^(D) ID: 123456789A^(E)

First DOS: 1997/02/23^(F) Charges: \$0.00^(G)
^(I) R MSG-337 INVALID DATE (CCYYMMDD) IN FIELD=EA0.07.0 EA0^(J)
^(I) R MSG-337 INVALID DATE (CCYYMMDD) IN FIELD=FA0.05.0 FA0^(J)
^(I) R MSG-337 INVALID DATE (CCYYMMDD) IN FIELD=FA0.05.0 FA0^(J)
^(I) I MSG-394 CLM-TOT-CHARGE * SUM=0.00 * TRAILER=158.00 XA0-12^(J)
^(I) R MSG-390 CLAIM OUT OF BALANCE XA0^(J)

(8) PATIENT: MILLER LARRY^(A) PCN: 12345678901^(B) STATUS: ACCEPTED^(C)
INSURED:^(D) ID: 234567891A^(E)

First DOS: 1997/03/15^(F) Charges: \$412.00^(G)
^(I) W MSG-658 PURCHASED TEST CHARGE AMOUNT MISSING >Missing< FB0-05^(J)
^(I) W MSG-673 PROC. REQUIRES REFERRINGPROV. INFO > (94060-26-) FA0-09^(J)

(7) PROVIDER ID: 00BBBB^(A) BATCH ID: 001488^(B) Status: ACCEPTED/PROD^(C)
Total Claims: 10^(D) Charges: \$1655.00^(E)
Claim Rejects: 0^(F) Charges: \$0.00^(G)

END OF REPORT

Legend

- (1) Processing/Acceptance date in CCYY/MM/DD format
- (2) Processing /Acceptance time in HH:MM:SS format
- (3) Identifies carrier/clearinghouse that is providing this response
- (4) Identifies receiver ID of claim file
- (5) Identifies format of claim file: NSF or UB92
(Note: If your file is submitted in American National Standards Institute (ANSI) Format, this field will identify the format that your file has been translated to.)
- (6) Submitter/File Information
 - A) Submitter ID number (from AA0-02.0)
 - B) File ID number (from AA0-05.0)
 - C) File Status indicators: Accepted or Rejected/Prod or Test
 - D) File - Total Claims submitted in the file
 - E) File - Total Charges of claims submitted in the file
 - F) File - Total Claims rejected
 - G) File - Total Charges of rejected claims
 - H) File level messages. W=Warning, R=Reject, I=Informational and M=Message only.
 - I) National Standard Format/UB92 field and /or sequence number where error occurred.

Note: To get net amount of accepted claims and charges, you must subtract 6-F from 6-D and subtract 6-G from 6-E.
- (7) Provider/Batch Information
 - A) Provider ID number (from BA0 record)
 - B) Batch ID number (from BA0-05.0)
 - C) Batch Status indicators: Accepted or Rejected/Prod or Test
 - D) Batch - Total Claims submitted in the batch
 - E) Batch - Total Charges of claims submitted in the batch
 - F) Batch - Total Claims Rejected
 - G) Batch - Total Charges of Rejected Claims
 - H) Batch level messages. W=Warning, R=Reject, I=Informational and M=Message only.
 - I) National Standard Format/UB92 field and /or sequence number where error occurred.

Note: To get net amount of accepted claims and charges, you must subtract 7-F from 7-D and subtract 7-G from 7-E.

(8) Patient/Claim Information

- A) Patient last name, first name
- B) Patient Control Number
- C) Claim Status: Accepted or Rejected
- D) Insured Last name, first name
- E) Patient Health Insurance/Certificate Number
- F) Date of Service on the claim (not necessarily the first D.O.S.)
- G) Claim - Total charges
- H) Payer ICN - The Internal claim control number assigned to this claim by commercial payers.
This will only appear on commercial response files.
- I) Claim level messages. W=Warning, R=Reject, I=Informational and M=Message only.
- J) National Standard Format field and/or sequence number where error occurred.

NOTE: The information received from other payers varies. Therefore, response files from other payers will be formatted in this manner but some fields may be blank. Refer to Section 10, Response File Chart and Claim Reject and Status Messages - By Payer for more information on individual payer response files.

FILE FORMAT LAYOUT

 * 5/07/97 HEADER SENDOR/PAYOR FIXED LENGTH=100

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01 RESP-A0-RECORD.
  05 RESP-A0-RECORD-TYPE                    PIC X(02).
     88 RESP-A0-TYPE                                    VALUE 'A0'.

  05 RESP-A0-DATE                            PIC X(08).
  05 RESP-A0-TIME                            PIC X(08).

  05 RESP-A0-SENDOR.
    10 RESP-A0-SENDOR-TYPE                  PIC X(01).
    10 RESP-A0-SENDOR-ID                    PIC X(12).
  05 RESP-A0-SENDOR-NAME                   PIC X(20).

  05 RESP-A0-PAYOR.
    10 RESP-A0-PAYOR-TYPE                  PIC X(01).
    10 RESP-A0-PAYOR-ID                    PIC X(12).
  05 RESP-A0-PAYOR-NAME                    PIC X(20).

  05 RESP-A0-VERSION                        PIC X(05).
     88 RESP-A0-VERSION-ONE                            VALUE '00001'.

  05 RESP-A0-FILLER                         PIC X(11).
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 * SUBMITTER/FILE RECORD

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01 RESP-A1-FILE-RECORD.
  05 RESP-A1-RECORD-TYPE                    PIC X(02).
     88 RESP-A1-TYPE                                    VALUE 'A1'.

  05 RESP-A1-SUBM-ID                        PIC X(12).
  05 RESP-A1-SUBM-FILE-ID                  PIC X(06).

  05 RESP-A1-FILE-STATUS                    PIC X(01).
     88 RESP-A1-FILE-STATUS-ACCEPT                    VALUE 'A'.
     88 RESP-A1-FILE-STATUS-REJECT                    VALUE 'R'.
     88 RESP-A1-FILE-STATUS-NONE                      VALUE ''.

  05 RESP-A1-FILE-TEST-IND                  PIC X(01).
     88 RESP-A1-FILE-TEST-IND-PROD                    VALUE 'P'.
     88 RESP-A1-FILE-TEST-IND-TEST                    VALUE 'T'.

  05 RESP-A1-FILE-TOTAL-CLAIMS             PIC 9(07).
  05 RESP-A1-FILE-TOTAL-CHARGES            PIC 9(09)V99.

  05 RESP-A1-FILE-REJECT-CLAIMS            PIC 9(07).
  05 RESP-A1-FILE-REJECT-CHARGES           PIC 9(09)V99.

  05 RESP-A1-FILE-FORMAT                    PIC X(01).
     88 RESP-A1-FILE-FORMAT-NSF                        VALUE 'N'.
     88 RESP-A1-FILE-FORMAT-UB92                        VALUE 'U'.

  05 RESP-A1-FILLER                         PIC X(41).
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*****
*           FILE - MESSAGE RECORD   OPTIONAL
*           MULTIPLE PER FILE
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01 RESP-AM-MSG-RECORD.
05 RESP-AM-RECORD-TYPE          PIC X(02).
    88 RESP-AM-TYPE              VALUE 'AM'.

05 RESP-AM-MSG-ID              PIC X(07).
05 RESP-AM-MSG-TEXT            PIC X(76).

05 RESP-AM-MSG-ACTION          PIC X(01).
    88 RESP-AM-MSG-ACTION-INFO-ONLY VALUE 'I'.
    88 RESP-AM-MSG-ACTION-WARNING  VALUE 'W'.
    88 RESP-AM-MSG-ACTION-REJECT   VALUE 'R'.

05 RESP-AM-FILLER1             PIC X(01).

05 RESP-AM-MSG-RECORD-ID       PIC X(03).
05 RESP-AM-MSG-FIELD-ID        PIC X(02).

05 RESP-AM-FILLER2             PIC X(08).

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*****
*           BATCH - PROVIDER RECORD
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01 RESP-B0-PROV-RECORD.
05 RESP-B0-RECORD-TYPE          PIC X(02).
    88 RESP-B0-TYPE              VALUE 'B0'.

05 RESP-B0-PROV-ID             PIC X(15).
05 RESP-B0-PROV-BATCH-ID       PIC X(06).

05 RESP-B0-BATCH-STATUS        PIC X(01).
    88 RESP-B0-BATCH-STATUS-ACCEPT VALUE 'A'.
    88 RESP-B0-BATCH-STATUS-REJECT VALUE 'R'.
    88 RESP-B0-BATCH-STATUS-NONE   VALUE ''.

05 RESP-B0-PROV-TEST-IND       PIC X(01).
    88 RESP-B0-PROV-TEST-IND-PROD  VALUE 'P'.
    88 RESP-B0-PROV-TEST-IND-TEST  VALUE 'T'.

05 RESP-B0-BATCH-TOTAL-CLAIMS  PIC 9(07).
05 RESP-B0-BATCH-TOTAL-CHARGES PIC 9(09)V99.

05 RESP-B0-BATCH-REJECT-CLAIMS PIC 9(07).
05 RESP-B0-BATCH-REJECT-CHARGES PIC 9(09)V99.

05 RESP-B0-FILLER              PIC X(39).

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 * BATCH - MESSAGE RECORD OPTIONAL
 * MULTIPLE PER BATCH

01 RESP-BM-MSG-RECORD.
 05 RESP-BM-RECORD-TYPE PIC X(02).
 88 RESP-BM-TYPE VALUE 'BM'.

 05 RESP-BM-MSG-ID PIC X(07).
 05 RESP-BM-MSG-TEXT PIC X(76).

 05 RESP-BM-MSG-ACTION PIC X(01).
 88 RESP-BM-MSG-ACTION-INFO-ONLY VALUE 'I'.
 88 RESP-BM-MSG-ACTION-WARNING VALUE 'W'.
 88 RESP-BM-MSG-ACTION-REJECT VALUE 'R'.

 05 RESP-BM-FILLER1 PIC X(01).

 05 RESP-BM-MSG-RECORD-ID PIC X(03).
 05 RESP-BM-MSG-FIELD-ID PIC X(02).

 05 RESP-BM-FILLER2 PIC X(08).

 * CLAIM - INSURED RECORD

01 RESP-C0-INS-RECORD.
 05 RESP-C0-RECORD-TYPE PIC X(02).
 88 RESP-C0-TYPE VALUE 'C0'.

 05 RESP-C0-INS-ID PIC X(25).
 05 RESP-C0-INS-NAME-LAST PIC X(20).
 05 RESP-C0-INS-NAME-FIRST PIC X(12).

 05 RESP-C0-INS-PAYOR-CLAIM-ID PIC X(27).

 05 RESP-C0-FILLER PIC X(14).

 * CLAIM - PATIENT RECORD

01 RESP-C1-CLM-RECORD.
 05 RESP-C1-RECORD-TYPE PIC X(02).
 88 RESP-C1-TYPE VALUE 'C1'.

 05 RESP-C1-CLM-PATIENT-CTL-NO PIC X(17).

 05 RESP-C1-CLM-NAME-LAST PIC X(20).
 05 RESP-C1-CLM-NAME-FIRST PIC X(12).

 05 RESP-C1-CLM-FIRST-DATE-SERV PIC X(08).

 05 RESP-C1-CLM-TOTAL-CHARGES PIC 9(07)V99.

 05 RESP-C1-CLM-STATUS PIC X(01).
 88 RESP-C1-CLM-STATUS-ACCEPT VALUE 'A'.
 88 RESP-C1-CLM-STATUS-REJECT VALUE 'R'.
 88 RESP-C1-CLM-STATUS-MESSAGE VALUE ''.

 05 RESP-C1-FILLER PIC X(31).

 * CLAIM - MESSAGE RECORD OPTIONAL
 * MULTIPLE PER CLAIM

01 RESP-CM-MSG-RECORD.
 05 RESP-CM-RECORD-TYPE PIC X(02).
 88 RESP-CM-TYPE VALUE 'CM'.

 05 RESP-CM-MSG-ID PIC X(07).
 05 RESP-CM-MSG-TEXT PIC X(76).

 05 RESP-CM-MSG-ACTION PIC X(01).
 88 RESP-CM-MSG-ACTION-INFO-ONLY VALUE 'I'.
 88 RESP-CM-MSG-ACTION-WARNING VALUE 'W'.
 88 RESP-CM-MSG-ACTION-REJECT VALUE 'R'.

 05 RESP-CM-FILLER1 PIC X(01).

 05 RESP-CM-MSG-RECORD-ID PIC X(03).
 05 RESP-CM-MSG-FIELD-ID PIC X(02).
 05 RESP-CM-MSG-RECORD-SEQ PIC X(02).

 05 RESP-CM-FILLER2 PIC X(06).