

EDI Gateway Technical Communications User's Manual

Version 13.2



South Carolina

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Blue Cross and Blue Shield Association

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Disclaimer

We publish this manual for informational use only. We periodically make changes to the information in this manual. We will incorporate these changes in new editions of this publication. EDI Gateway may make improvements and/or changes to this publication at any time.

Revision Log

We have recorded revision numbers, version numbers, dates and brief descriptions of the purpose for revision below. As we make revisions, we will number them consecutively beginning with 1. Following a thorough review of all material included in a revision, please discontinue use of or destroy all prior versions of this document.

Revision Number	Version	Date	Description
	11.0	January 2012	Re-publication for X12 5010 transactions.
1	11.1	May 2012	Changed VPN Host IP on SFTP/VPN Customer Connectivity Parameter Survey in Appendix.
2	13.0	January 2013	Updated page numbers in Table of Contents. Updated enrollment form in Appendix — “Primary Contact” renamed to “Primary Business Contact” and “Technical Contact” renamed to “Primary Technical Contact.” For SFTP and VPN connectivity, added information about how BlueCross EDI Gateway may remove files more than 15 days old for maintenance and security. Updated text in user ID guidelines for TCPIP.
3	13.1	April 2013	Updated mailing address for prospective BlueCross BlueShield of South Carolina commercial or BlueChoice® HealthPlan trading partner from AA-E05 to AA-217.
4	13.2	May 2013	Updated mailing address for prospective PGBA LLC trading partners. Added field in VPN Information portion of SFTP/VPN Customer Connectivity Parameter Survey.

Please Note: The EDI Gateway Technical Communications User's Manual is subject to change as we continue to enhance our services to you. This manual is available online at www.HIPAACriticalCenter.com. Click on Resources, then Technical Information, then EDI Gateway Technical Communications User's Manual.

If you have any questions or concerns with this manual, please contact EDIG.OPS@PalmettoGBA.com.

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About Us/Introduction

Welcome to the BlueCross BlueShield of South Carolina EDI Gateway. This document gives instructions for submitting electronic transmissions to the BlueCross BlueShield of South Carolina commercial and PGBA lines of business. It includes information about our trading partner enrollment process, gateway connectivity options and HIPAA transactions specifics.

EDI Gateway processes electronic transactions for these companies:

Health Care Payers

BlueCross BlueShield of South Carolina

BlueChoice® HealthPlan

PGBA, LLC (TRICARE, Humana Veteran Healthcare Services, Bureau of Prisons)

Third Party Administrators

Carolina Benefit Administrators

Employee Benefit Administrators

Planned Administrators, Incorporated

Thomas H. Cooper & Company

Carolina Benefit Administrators, Employee Benefit Administrators, Planned Administrators, Inc. (PAI) and Thomas H. Cooper and Company are separate companies that provide third party administration services on behalf of BlueCross BlueShield of South Carolina.

Companion Companies

Companion Life Insurance Company

Because Companion Life is a separate life insurance company from BlueCross BlueShield of South Carolina, Companion Life will be responsible for all services related to life insurance.

EDI Gateway's production environment is accessible 24 hours a day, seven days a week, with the exception of weekly maintenance performed Sundays between 3 p.m. and 10 p.m. EDI Gateway's test environment is accessible Monday through Saturday from 5 a.m. to 10 p.m.

We send notifications of EDI Gateway outages to trading partners via email. We generally send notifications of scheduled outages with two days prior notice. We send notifications of unscheduled outages as quickly as the outage is reported.

Please call the BlueCross BlueShield of South Carolina Technology Support Center at 803-736-5980 or 800-868-2505 with questions or to report problems.

Additional information is available online at www.SouthCarolinaBlues.com for BlueCross BlueShield of South Carolina commercial lines of business and www.MyTRICARE.com for PGBA TRICARE.

Trading Partner Enrollment

Enrollment with the EDI Gateway requires prospective trading partners to complete and submit the BlueCross BlueShield of South Carolina EDIG Trading Partner Enrollment Form and the Trading Partner Agreement. The purpose of the BlueCross BlueShield of South Carolina EDIG Trading Partner Enrollment Form is to enroll providers, software vendors, clearinghouses and billing services as trading partners and recipients of electronic data. It is important you follow these instructions and complete all the required information. We will return incomplete forms to the applicant, which could delay the enrollment process.

The enrollment form is in the Appendix of this manual and is also available at the [HIPAA Critical Center](#). You should complete enrollment forms electronically and submit them via email to EDIG.OPS@PalmettoGBA.com. Use your **TAB** key to move forward through the form fields or click your cursor in a desired field or box. Be sure to save the file after you have completed the form.

The Trading Partner Agreement is a legal document. All trading partners are required to print, complete and return the originally signed hard copy via mail prior to being moved to production status. The BlueCross BlueShield of South Carolina Trading Partner Agreements can be found at the [HIPAA Critical Center](#). The PGBA Trading Partner Agreement can be found on MyTRICARE.com in the Electronic Claims Filing section.

If you are a prospective BlueCross BlueShield of South Carolina commercial or BlueChoice® HealthPlan trading partner, print and mail a hard copy of the completed Trading Partner Agreement to:

BlueCross BlueShield of South Carolina
 Technology Support Center: EDI Enrollment
 I-20 at Alpine Road, AA-217
 Columbia, SC 29219

If you are a prospective PGBA, LLC trading partner, print and mail a hard copy of the completed Trading Partner Agreement to:

Palmetto GBA, EDIG Operations
 P.O. Box 17151
 Augusta, GA 30903

This table will help trading partners complete the enrollment form:

Form Field Name	Instructions for Field Completion	Req.
Date	Enter today's date.	1 2 3
Action Requested:	Indicate the action to be taken on the enrollment form. Note: Depending on the requested action, different fields of this form are required. These are identified in the column at right.	
New Trading Partner ID	1. To apply for a new Trading Partner ID, check New Trading Partner ID .	1
Change	2. To change Trading Partner information, check Change .	2
Cancel	3. To cancel your enrollment, check Cancel .	3
Trading Partner Name	Enter the name of the entity that will be submitting/receiving electronic transactions with BlueCross BlueShield of South Carolina EDIG.	1 2 3

Form Field Name	Instructions for Field Completion	Req.
Trading Partner ID	EDIG assigns the Trading Partner ID to identify trading partners in our system.	2 3
Federal Tax ID #	Enter the trading partner's federal tax identification number.	1
Type of Business	Select the type of primary business the trading partner conducts. If you check "Other," indicate the type of business on the line provided.	1
Line of Business	Check one box per enrollment form indicating if transactions are BlueCross BlueShield of South Carolina Commercial or PGBA.	1
Start Date	Indicate, in mm/dd/ccyy format, the date the trading partner plans to begin transaction testing with BlueCross BlueShield of South Carolina EDIG.	1
End Date	If you are using this form to cancel an account, indicate, in mm/dd/ccyy format, the date the trading partner intends to terminate its trading partner account.	3
Compression	If you wish to download your files in a compressed format, check PKZIP or UNIX . If not, check No Compression .	1
Protocol	Check the preferred communication method. If you select Secure FTP or VPN , complete and return the "SFTP/VPN Customer Parameter Survey" and attach your public key ID file to your email. If you select TCPIP via VPN , complete and return the "BlueCross BlueShield of South Carolina Commercial TCPIP via VPN Customer Connectivity Parameter Survey" and/or the "PGBA TCPIP via VPN Customer Connectivity Parameter Survey." If you select NDM , complete the "BlueCross BlueShield of South Carolina Commercial NDM Customer Connectivity Parameter Survey" and/or the "PGBA NDM Customer Connectivity Parameter Survey." All Customer Connectivity Parameter Survey forms are in the Appendix of this manual. Please complete and return the form to EDIG.SUPPORT@PalmettoGBA.com .	1
Service Address	Enter the trading partner's complete address (including street, city, state and ZIP). This address must be the physical location for your business.	1 2
Billing Address	If different from the service address, enter the trading partner's billing (or mailing) address (including street, city, state and ZIP).	1 2
Primary Business Contact's Information	The name, email address, telephone number and fax number of the trading partner's primary business contact. This is the person BlueCross BlueShield of South Carolina EDIG will contact if there are questions regarding the enrollment or future questions about the account.	1 2
Primary Technical Contact's Information	The name, email address, telephone number and fax number of the trading partner's technical contact. This is the person BlueCross BlueShield of South Carolina EDIG will contact if there are technical questions or problems.	1 2
After Hours Technical Contact's Information	The name, email address, telephone number and fax number of the trading partner's after hours technical contact. This is the person BlueCross BlueShield of South Carolina EDIG will contact if there are technical questions or problems after normal business hours.	1 2
On-Call Technical Contact's Information	The name, email address, telephone number and fax number of the trading partner's on-call technical contact. This is the person BlueCross BlueShield of South Carolina EDIG will contact if there are technical questions or problems after normal business hours when it is unable to contact the After Hours Technical Contact.	1 2
Transaction Volume Estimates	Mark yes (Y) or no (N) for each mode. If you mark yes, indicate the average number of transactions you anticipate submitting each week.	1

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Enrollment Testing Procedures

There are fewer problems with trading partner exchange of electronic transactions in the production environment when you conduct testing. EDI Gateway requires trading partners test every transaction for every payer prior to approval for production status. This testing includes security validation, connectivity, X12 TR3 edits and front-end payer edits when available in the test environment.

These tests must be performed for each different transaction type that a trading partner is approved to submit to EDIG:

Test Plan	EDIG and the trading partner will agree to a predefined set of test data with expected results. The matrix will vary by transaction and trading partner. Also, we will develop a plan for a test-to-production transition that considers volume testing and transaction acceptance ratios.
Connectivity	You will find EDIG-supported connectivity protocols in the "Connectivity" topic in this section. This first level of testing is complete when the trading partner has successfully sent to and received from EDIG a test file via one of the EDIG-supported connectivity options.
Security	EDIG will validate approved trading partners are submitting transactions allowed per our enrollment applications.
Data Integrity	<p>When HIPAA X12 transactions are transmitted, data integrity is determined by X12 TR3 edits results performed by EDIG's TR3 editor. Testing cannot progress until a trading partner's data receives no TR3 edit errors. EDIG expects there may be an occasional situation in which a trading partner's TR3 edit interpretation differs from our interpretation. We will work with our trading partner to resolve such differences on an individual basis.</p> <p>EDIG returns transmission acknowledgment and edit results response transactions from this process. The trading partner should correct transactions reported as errors and resubmit them.</p>
Acknowledgment/ Response Transactions	Trading partners must demonstrate the ability to receive acknowledgment and response transactions (see page 34) from EDIG. EDIG expects trading partners will also implement balancing or reconciliation processes and report transmission discrepancies to us immediately.
Results Analysis	EDIG and the trading partner will review acknowledgment and response transactions for consistency with the predefined expected results.

Payer Testing

Depending on the line of business and transaction, the payer may require additional testing. If so, EDIG Operations will inform the trading partner when test plans are discussed.

Transition from Test to Production Status

When test results have satisfied the test plan and the Trading Partner Agreement has been executed, we will change the trading partner's submission status from test to production. At this time, the trading partner can begin to send production transaction data to EDIG.

Privacy

EDIG and our trading partners are committed to protecting the privacy of patient information. When sending sensitive data (i.e., names, patient ID numbers, dates of birth, etc.) as attached files via the Internet to EDIG Operations for research, please zip and password protect files.

When sending sensitive data within an email message, please send it as a secure email.

Connectivity

Trading partners can choose to connect with the EDI Gateway via dial-up (GP Net) interface, secure high-speed data transfer and IP access.

Dial-up interfaces available are:

- REDI (Asynchronous Dialup)
- FTP (File Transfer Protocol Dialup)

Secure high-speed data transfer methods available are:

- SFTP (Secure FTP using SecureFX)
- VPN (Virtual Private Network)
- NDM (Connect: Direct Network Data Mover)

IP access:

- TCPIP

This table lists protocol and transfer methods for each connectivity option:

Connectivity	Protocol	Transfer Method
SFTP	SSH2	SFTP (software negotiates encryption such as DES, 3DES, CAST-128)
VPN	VPN over TCP/IP	FTP
NDM	IP	NDM Proprietary
Dial-up	REDI	Proprietary transfer via X, Y or Z modem
Dial-up	FTP	Proprietary FTP
IP	TCPIP	Proprietary IP connection via VPN or AGNS

This table lists connectivity options available for certain transactions:

Transaction	Available Connectivity Types
X12N 270	Dial-up, SFTP, NDM, VPN, TCPIP
X12N 276	Dial-up, SFTP, NDM, VPN, TCPIP
X12N 278	Dial-up, SFTP, NDM, VPN
X12N 834	Dial-up, SFTP, NDM, VPN
X12N 835	Dial-up, SFTP, NDM, VPN
X12N 837	Dial-up, SFTP, NDM, VPN

GP Net

Overview

The GPNet communication interface supports asynchronous telecommunications up to 56K bps. It 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 can select any of the protocols listed below. **We recommend Zmodem**, however, based on its speed and reliability. The asynchronous user's modem should be compatible with 56K, V.34 - 28.8 bps, and V.42 - 14.4 bps.

- ProComm Plus, Release 2.11 (Windows)
- Crosstalk, Release 2.2 (Windows)
- QuickLink2, Release 1.4.3 (Windows)
- PC Anywhere, Release 2.0 (Windows)
- Term, Release 6.1, 6.2, and 6.3
- Mlink, Release 6.07
- HyperTerminal, Windows '95, '98, and NT

The settings you should verify are:

- Terminal emulation – VT100
- Parity – NONE
- Data Bits – 8
- 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 Zmodem overwrites an existing file of the same name. Since the response file name will be repeated, we recommend that the downloaded files be renamed or moved to another directory immediately to avoid losing or overwriting a file.

In addition, we encourage the use of PKZIP compatible compression software. GPNet defaults to send uncompressed files. Therefore, if you wish to receive your files in a compressed format, please indicate this on your enrollment form or contact the Technology Support Center.

The GPNet asynchronous transmission is a dial-up connection. Depending on your operating system, your windows may display differently than those noted in these figures.

Dial-up REDI

Initial Set Up Using Asynchronous Dial-up

To submit files using the GPNet asynchronous dial-up, first you must make a connection and login.

1. Click on **Start**, then **Programs**, then **Accessories**, and then click on the **HyperTerminal** option. This will open the Connection Description window. Type a name and choose an icon for the connection. Then click on **OK**. (Figure 1)

Note: If you are unable to locate HyperTerminal under Accessories, look in the Communications option. If unable to find that option, then look up "Installing Windows Components" in Windows Help.



Figure 1 – Connection Description Box

2. The Connect To message box (Figure 2) is where you enter the GPNet phone number, and verify your country code, area code and modem. Complete these steps:
 - a) For **Country/region**, select **United States of America (1)** if it does not initially display in the field.
 - b) In the **Area code** field – Enter **803**.
 - c) In the **Phone number** field – Enter **788-6147** for production or **788-3362** for test.
 - d) In the **Connect using** field you should already see a description of your modem. Verify that it is correct or use the menu to select the correct modem.
 - e) Click **OK**.



Figure 2 – Connect To Message Box

Server Connection Using Asynchronous Dial-up

1. The Connect message boxes (Figures 3 and 4) let you dial GPNet and see the status of your call. Complete these steps to make your connection:
 - a) If the **Phone number** for GPNet and **Your location** are correct (Figure 3), click **Dial**.

Notes:

- If you need to correct the telephone number, modem setting or connection icon, click the **Modify** button. Click the **Dialing Properties** button only if you need to correct information about your telephone settings.
 - If you have to dial 9 for an outside line, make sure a 9 is displayed in front of the phone number. If not, go to **Modify** and make appropriate changes.
2. Click on **Dial Now**. The Connect message box will change to display **Status** information. After dialing completes, you are connected to the GPNet Gateway (Figure 4).

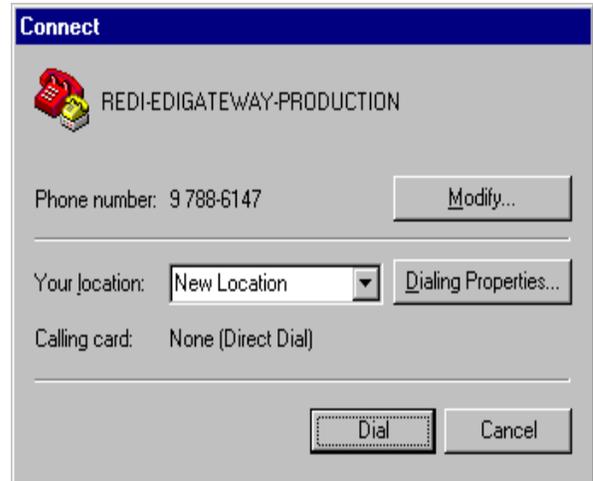


Figure 3 – Connect Message Box



Figure 4 – Connect Message Box

Log In and User Validation

Upon connecting to the GPNet system via your communications program, the system will display a banner and prompt for the user ID (Figure 5).

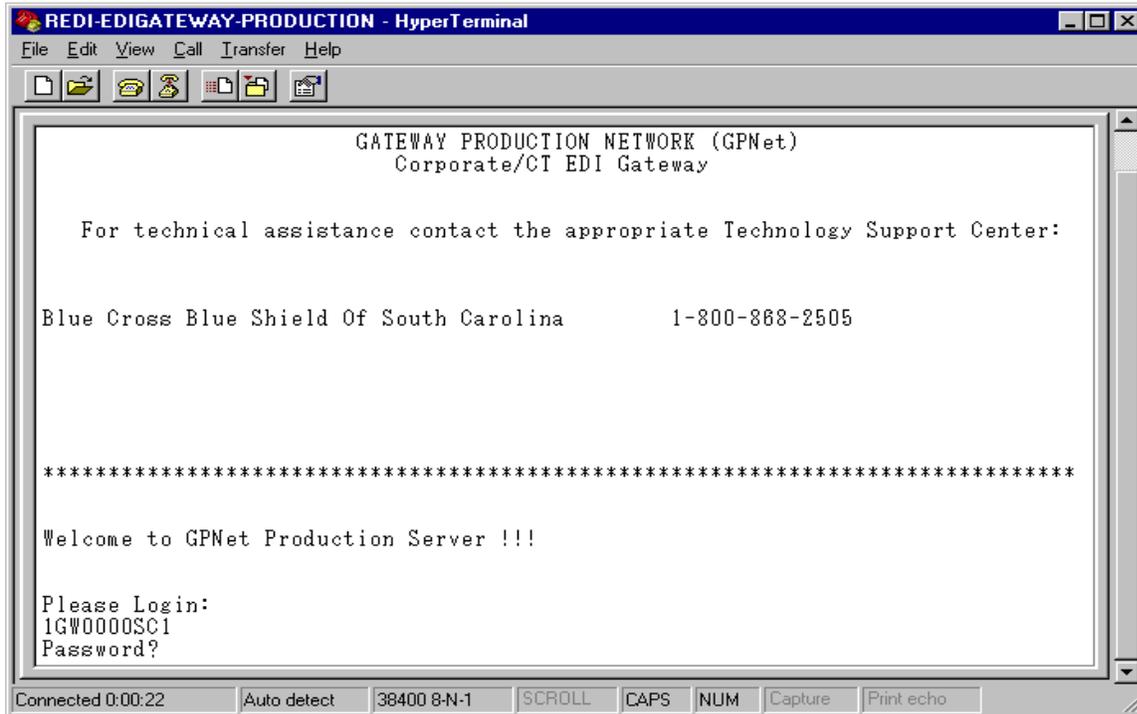


Figure 5 – GPNet Welcome/Login Screen

You must enter the ID and password in **capital letters**. To log in:

1. Type your User ID and press **ENTER**. **Note:** To log into the Test Server, use your user ID with the “Q” on the end. To log into the Production Server, use your user ID with the number on the end.
2. Type your password. The password will not display on the screen as you type it. When you have finished typing, press **ENTER**.
3. The system will allow three invalid login attempts before it terminates the session. Also, the system will automatically log you off after approximately two minutes of inactivity.

For assistance with password issues, please contact the BlueCross BlueShield of South Carolina Technology Support Center at 800-868-2505 or 803-736-5980.

Upload a File

To upload a file to GPNet:

1. Type **2** (or **U**) from the Main Menu and then press **ENTER**.
2. You will be prompted to select the file transfer protocol (Figure 8). **Do not press ENTER after making your selection.** Type the letter corresponding to your choice of modem protocol. (If you select **Q**, you 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
```

Figure 8 – Upload Protocol Selection Screen

3. Using your communication software procedures, send the file you wish to upload.
4. If the file transfer is successful, “Transfer COMPLETED SUCCESSFULLY” will display on the screen (Figure 9). If the file transfer fails, “Transfer FAILED,” will display.

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

**B0000400272214
**B0000400272214
**B0000400272214
**B0000400272214
**B0000400272214

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

Figure 9 – Successful Transfer Message

5. Press **ENTER** to return to the Main Menu.
6. Upon successful transmission of a file, you can exit the system or wait for a response file.
 - a) To exit the system, press **5** (or **Q**) from the Main Menu and then press **ENTER**. You can dial in a few minutes later to download the TA1 and IG edit results.
 - b) To stay on the system and check for a response file, press **3** (or **L**) to go to the Mailbox and wait for the response file to load. The time between a file upload and the response file availability will vary based on the file size and user volume. Although most responses are available within one hour, please allow 24 hours before contacting the Technology Support Center.

When the response file is available (listed in your Mailbox), return to the Main Menu and proceed to the Download option.

Download a Response

To download a response file:

1. Type **[1]** (or **[D]**) from the Main Menu and press **ENTER**.
2. You will be prompted to choose a modem protocol (Figure 10).

```

>>>> DOWNLOAD A FILE <<<<

**** Select Protocol:

          K for Kermit
          X for XMODEM
          Y for YMODEM (BATCH)
          Z for ZMODEM

          or Q to QUIT
    
```

Figure 10 – Download Protocol Selection Screen

- a) If you select **Z** (Zmodem), **K** (Kermit) or **Y** (Ymodem), the system will ask if you wish to download all files in the mailbox. If you choose “Yes” (press **[Y]**), all available files will begin downloading. If you do not want to download all of the files, choose “No” (press **[N]**) and the system will display the list of available files (as shown in step 3).
 - b) If you select **X** (the Xmodem protocol), the file list will display immediately.
3. From the list of available files (Figure 11), enter the number associated with the desired file to begin the download and press **ENTER**. (See the List Files in Mailbox section for information on deciphering the files listed in your mailbox.)

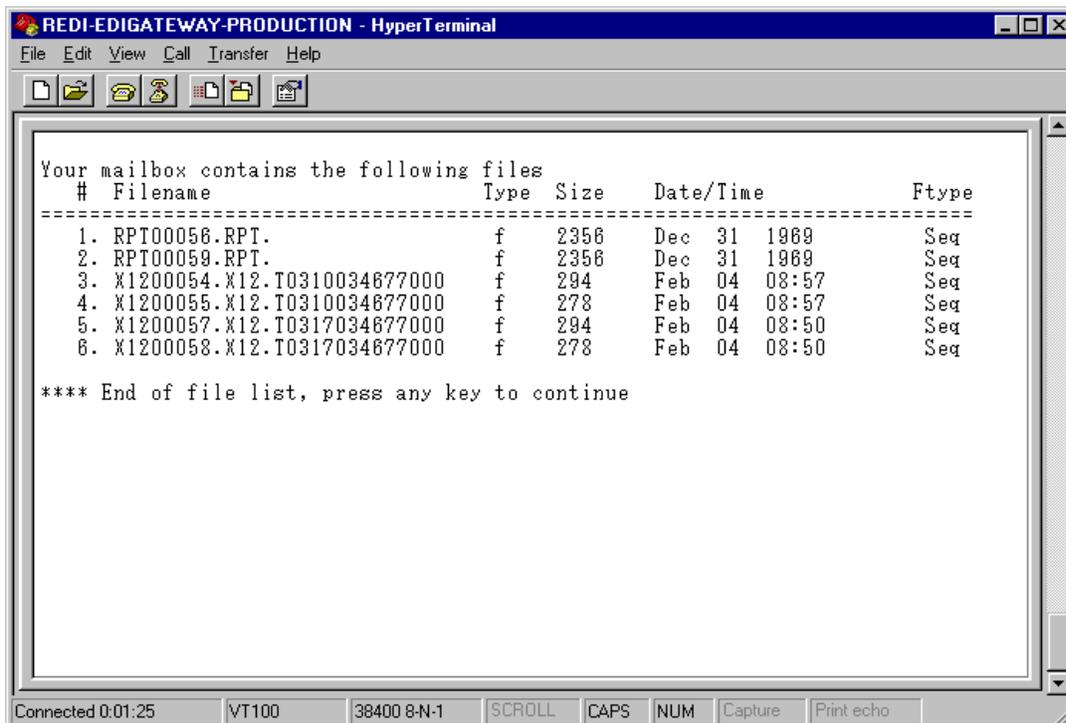


Figure 11 – Mailbox File List

If the file transfer is complete and successful, the “Transfer COMPLETED SUCCESSFULLY” message will appear on the screen and the file will be deleted from the mailbox. If the file transfer fails, the “Transfer FAILED” message will display. Files that have not been downloaded successfully will remain in the mailbox for 14 days before being purged.

List Files in Mailbox for X12 Transactions

To check on files that you may have available to download from GPNet:

1. Choose List Files in Mailbox by pressing **[3]** (or **[L]**) from the Main Menu and press **[ENTER]**.
2. The system will prompt you to enter the name of the file you wish to see. You can type the full or a partial file name combined with an optional wildcard (*). All files matching the search pattern will be displayed. You can also leave the file name field blank and just press **[ENTER]** to see a list of all the files in your mailbox. (Note: This same list also displays when you select the Xmodem Protocol from the Download option.)
3. If no matching files are found, the system will display this message: "No files match your specified search pattern. Press RETURN to input new search pattern or q to quit." If there are more than 15 files in the list, the system will pause and scroll the listing.

All files in your mailbox are presented in a similar format: the 8-byte download file name with a 3-byte extension, followed by a file description. This table shows examples and explanations of files that you can download:

* Pos.	Type			Sequence Number					.	ZIP or Type			.	File Description																
	1.	2.	3.	4.	5.	6.	7.	8.		10.	11.	12.		PTU	Date					Original ISA Control Number							Trans No.			
Sample Set 1**	X	1	2	0	0	0	0	1	.	X	1	2	.	P	0	1	2	5	I	S	A	C	T	R	L	0	1	0	0	0
	X	1	2	0	0	0	0	2	.	X	1	2	.	P	0	1	2	5	I	S	A	C	T	R	L	0	1	0	0	0
	R	S	P	0	0	0	0	3	.	R	S	P	.	P	0	1	2	5	I	S	A	C	T	R	L	0	1	0	0	0
	R	P	T	0	0	0	0	4	.	R	P	T	.	P	0	1	2	5	I	S	A	C	T	R	L	0	1	0	0	0
2	I	N	V	0	0	0	0	1	.	I	N	V	.	U	0	1	2	5												
3	X	1	2	0	0	0	0	1	.	X	1	2	.	P	0	1	2	5	I	S	A	C	T	R	L	0	1	0	0	0
	X	1	2	0	0	0	0	2	.	X	1	2	.	P	0	1	2	5	I	S	A	C	T	R	L	0	1	0	0	0
4	M	S	G	0	0	0	0	1	.	M	S	G	.	U																
5	X	1	2	0	0	0	0	1	.	Z	I	P	.	B	C	B	S	S	C											

This information describes the file segments:

Segment	Position	Description
Type	1-3	File types are identified using these 3-byte segments: RSP EDIG proprietary claim responses RPT EDIG proprietary claim reports INV Invalid file response MSG Informational messages X12 X12 responses (TA1, 999)
Sequence Number	4-8	EDIG-generated sequential number for each file sent to a mailbox
.	9	Period
ZIP or Type	10-12	3-byte extension: ZIP Zipped files of any type. "ZIP" will replace the 3-byte extension in the file name based on the ZIP flag in our control file. RSP EDIG proprietary claim responses RPT EDIG proprietary claim reports INV Invalid file response MSG Informational messages X12 X12 responses (TA1, 999)
.	13	Period

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Segment	Position	Description
File Description	14–32	Identifies file's content:
	14	PTU Production (P), Test (T) or Unknown Indicator (U) Payer Name for Remittance Advice files (X12 835s)
	15–18	Date Date the input file was received, MMDD format
	19–27	Original ISA Control Number: The ISA Control Number of the first interchange group in the file
	28–30	Not used

Sample Set 1: Example of 837 claim response, report, and acknowledgment files. In this example, the first production file is an 837 sent January 25, 2002 with one ISA/IEA. The file contained 235 claims and the ISA control number is ISACTRL01. Example 1 is the file name containing ASC X12 TA1, example 2 is the file name containing ASC X12 999 returned to the trading partner, example 3 is the file name containing EDIG proprietary claim response records, and example 4 is the file name containing EDIG proprietary claim reports.

Sample Set 2: In this example, the file received was an invalid file (a possible read error or unzip error). The file would contain a text message that describes the error, shown in the Response Example below.

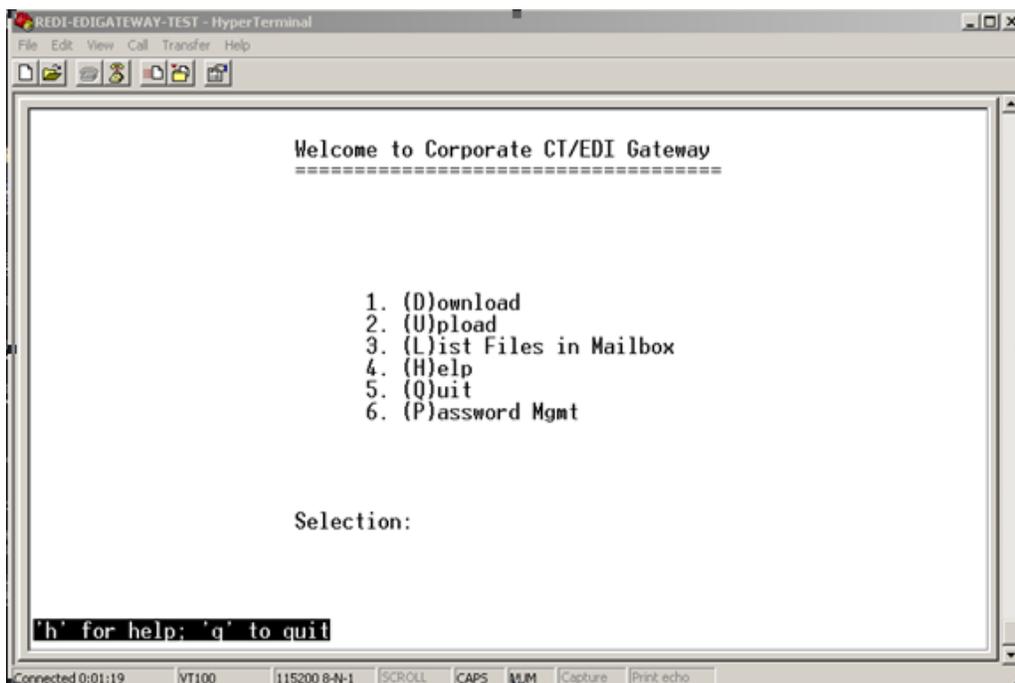
Sample Set 3: If the file received has X12 TR3 edit errors, two files will be returned to the trading partner containing the ASC X12 TA1 and 999, respectively.

Sample Set 4: This is a file name when the file's content is an informational message.

Sample Set 5: If the file returned to the trading partner is an ASC X12 835 transaction, the file description field will have the payer's name (Example: "BCBSSC" for BlueCross BlueShield of South Carolina commercial remittance advice files).

Password Change Procedures

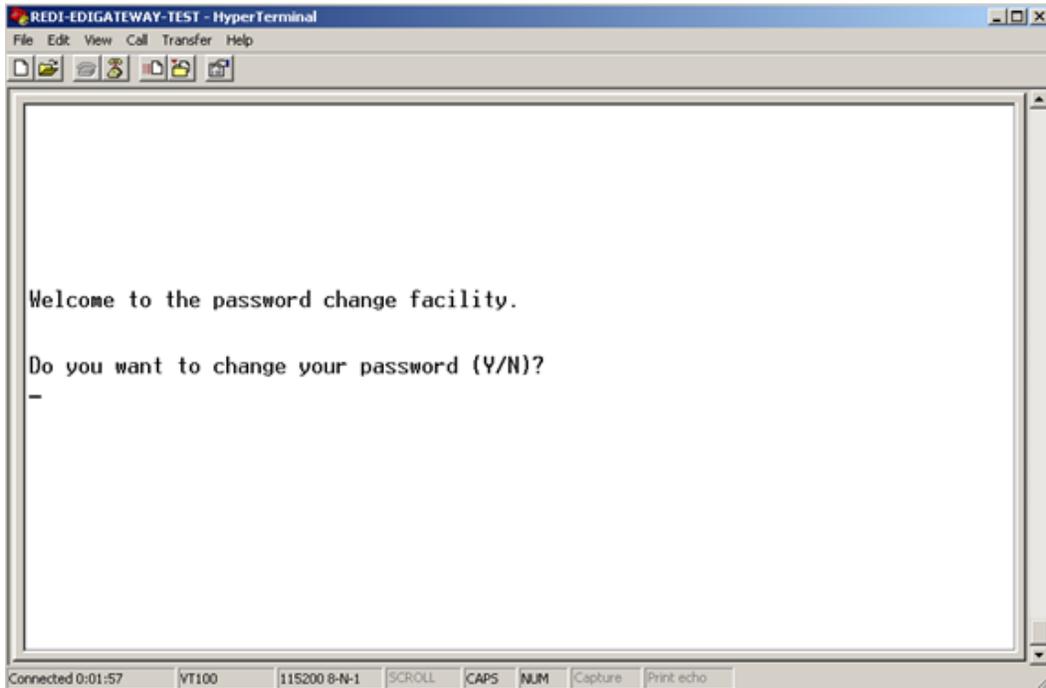
1. Enter **6** or **P** from the Main Menu.



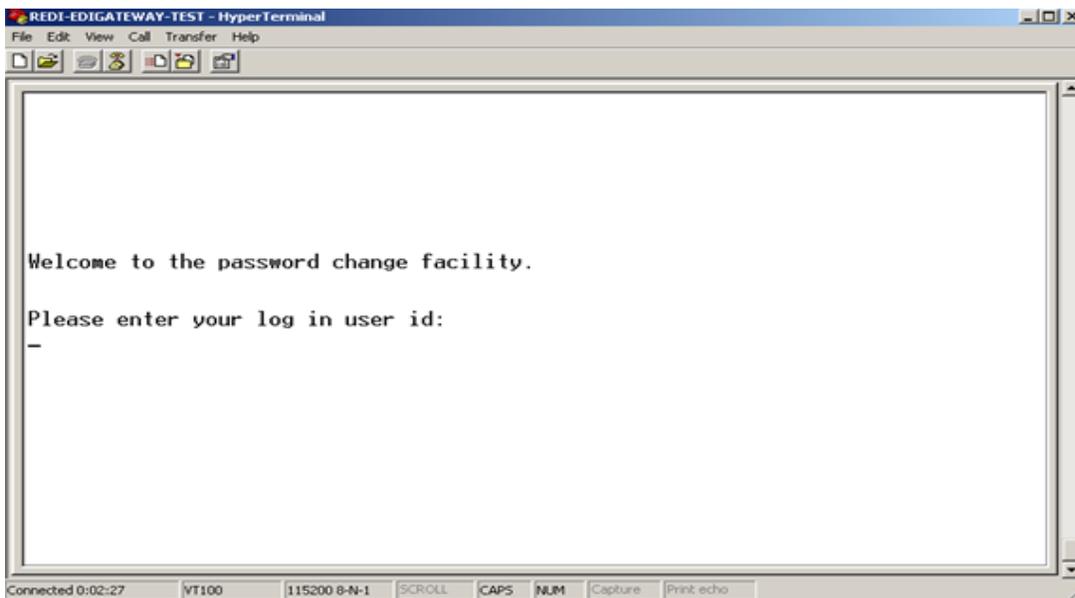
2. Once you're in the password change procedure, select **ENTER** at any prompt without entering any data to exit the password management option.

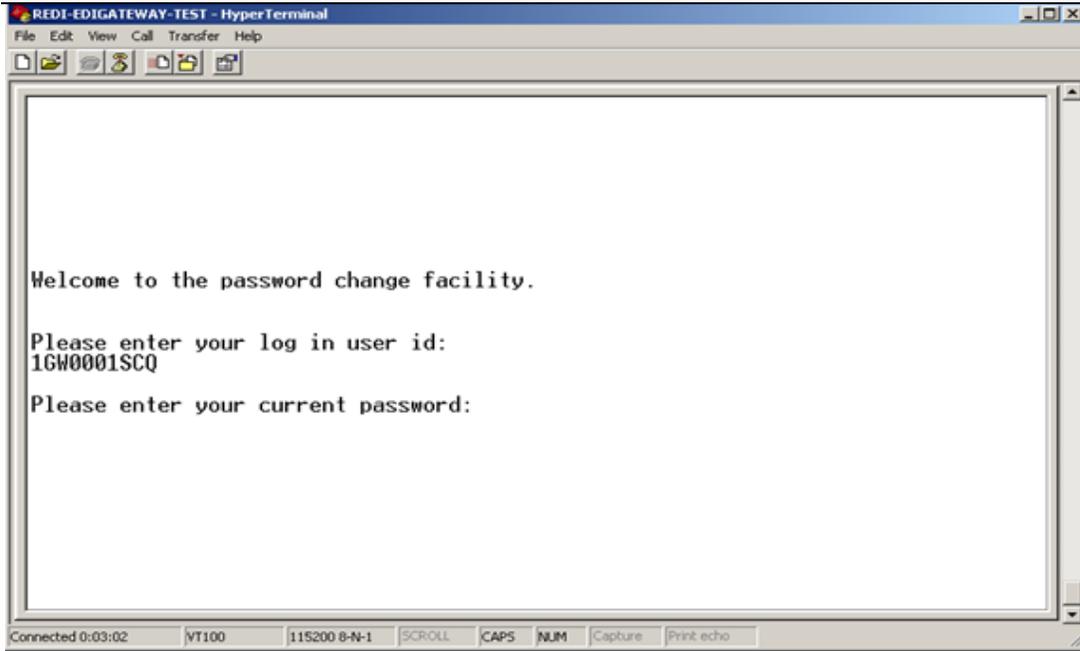
Technical Communications User's Manual

3. You'll receive a message similar to "****You did not enter anything for" and "Press **ENTER** to try again, or Q to quit." **Q** will take you back to the Main Menu and **ENTER** will prompt you for the user ID or password, depending on where you are at.
4. The system will prompt you with this screen:

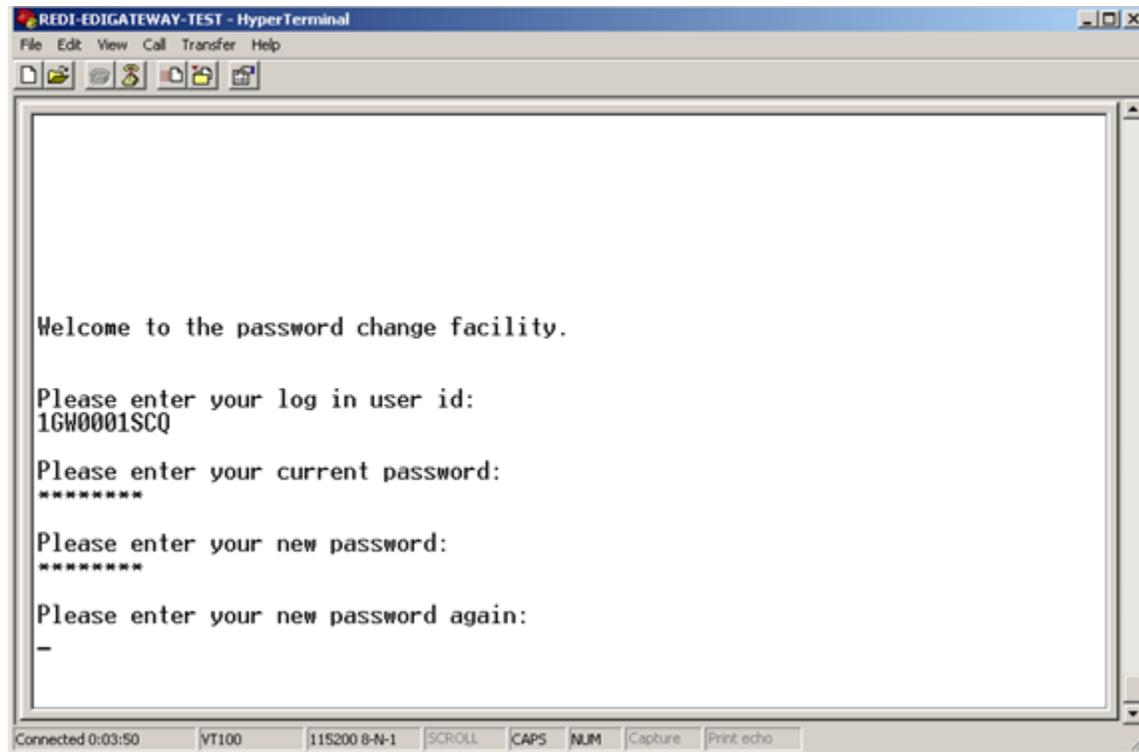


5. Enter **N** and you will return to the Main Menu. Or enter **Y** and follow the instructions on the screens. You will be asked for your **User ID** and **Current Password**.

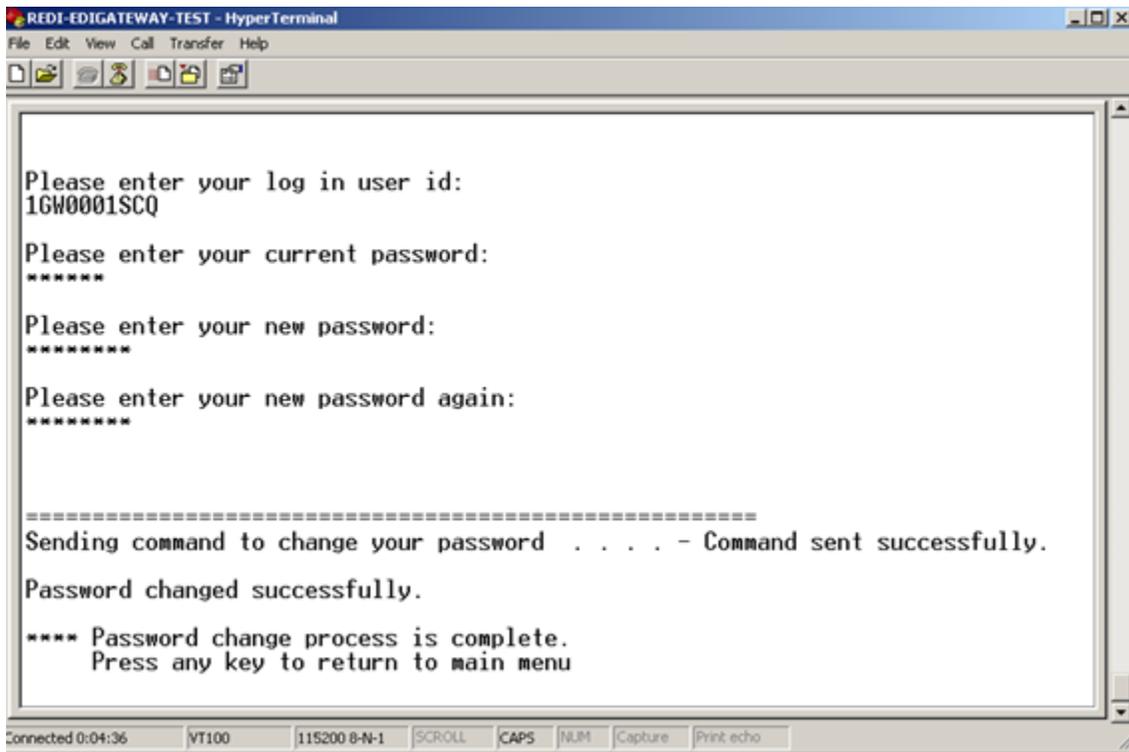




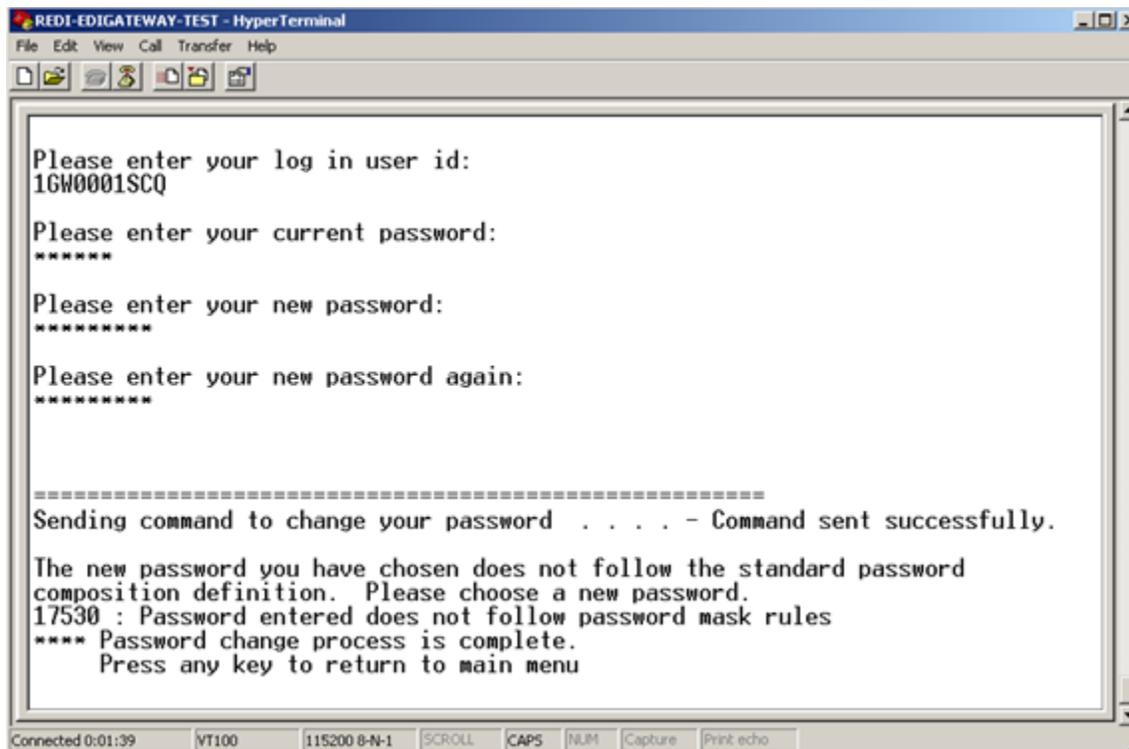
6. The system will prompt you to enter the new password twice.



7. If the password is valid, you will get this screen. Then just press **ENTER** to go back to the Main Menu.

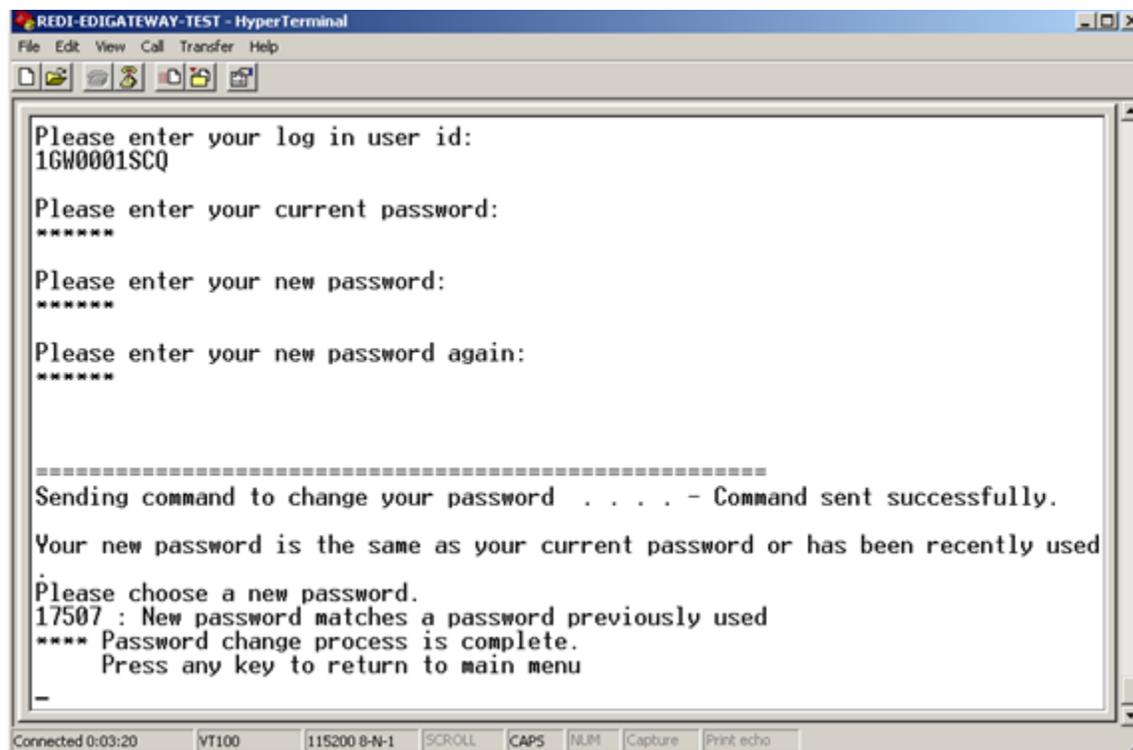


8. If your new password does not follow the masking rule, this screen will appear and you will be sent back to the Main Menu.
- The masking rule is six to eight characters long and made up of alpha numeric characters.



- If the password you entered is similar to a previous password, the system will give you this error and return you to the Main Menu. Example: You changed the password for user 1GW0001SCQ from 001SCQ to 111SCQ, and later tried to re-use 001SCQ as a password. The system will not accept it. You then changed it to 001SCQXX and the system accepted the new password.

Symbol	Type	Description
X	Any character	Any keyboard character (Letter, number, or symbol)
V	Vowel	A E I O U
N	Number	1 2 3 4 5 6 7 8 9 0
C	Consonant	B C D F G H J K L M N P Q R S T V W X Z
B	Blank space	
A	Alphabetic character	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
L	Alphanumeric character	A-Z, a-z, 0-9
S	Symbol	! @ # \$ % ^ & * () _ + - - = ' [] ; : ' " { } < > ? . ,



Note: BlueCross BlueShield of South Carolina corporate policy requires all passwords to be changed every 30 days. As of June 1, 2011, all Asynchronous and FTP Dial-up trading partners must comply with this policy.

Asynchronous Dial-up users will be prompted to provide new passwords when logging in after their old passwords have expired.

Here are the guidelines for passwords:

- Password length must be six to eight characters.
- Use randomly generated passwords when feasible.
- Avoid any password based on repetition, dictionary words, letter or number sequences, usernames, relative or pet names, or biographical information (e.g., dates, ID numbers, ancestor's names or dates).
- Include numbers and symbols in passwords.
- These symbols are allowed: ! @ # \$ % ^ & * () _ + ~ | - = ' [] ; : ' " { } < > ? . ,
- Use uppercase and lowercase letters.
- Avoid using the same password for multiple sites or purposes.

If you cannot remember your password, or are experiencing problems with your password, please call the BlueCross BlueShield of South Carolina Technology Support Center at 803-736-5980 or 800-868-2505 for assistance.

Dial-up FTP

The GPNet communication interface also allows an FTP connection. This is a direct dial-up connection. All files must be transmitted in binary format. ASCII will not be processed. The default setting is ASCII so you must issue the **Bin** command to change the format to binary. You can confirm the change by issuing the **Status** command and verifying the change was accepted. Depending on your operating system, your windows may display differently than those noted in these figures.

Logging onto GPNet Using FTP

To submit files using the GPNet FTP, first you must make a connection and log in.

1. Create a Windows Dial-Up Networking session. Open a **My Computer** window and double-click the **Dial-Up Networking** folder (Figure 12).

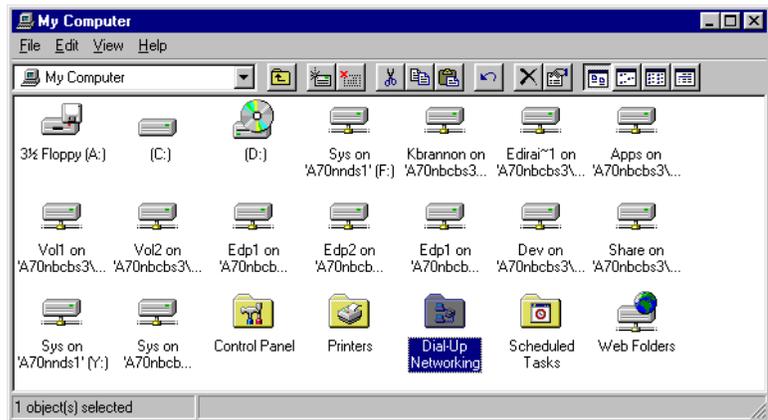


Figure 12 – My Computer Window

2. Open **Make New Connection** (Figure 13).

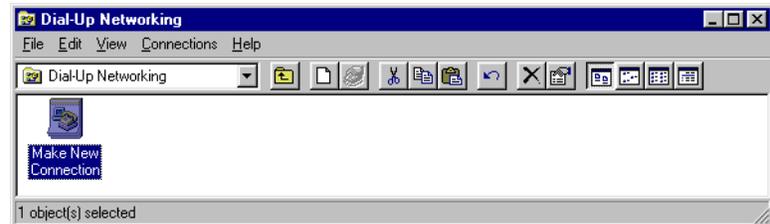


Figure 13 – Dial-Up Networking Window

3. The Make New Connection wizard will open (Figure 14). In the first field type **GPNet**. Confirm that the appropriate modem for your system is chosen in the second field and then click **Next**.

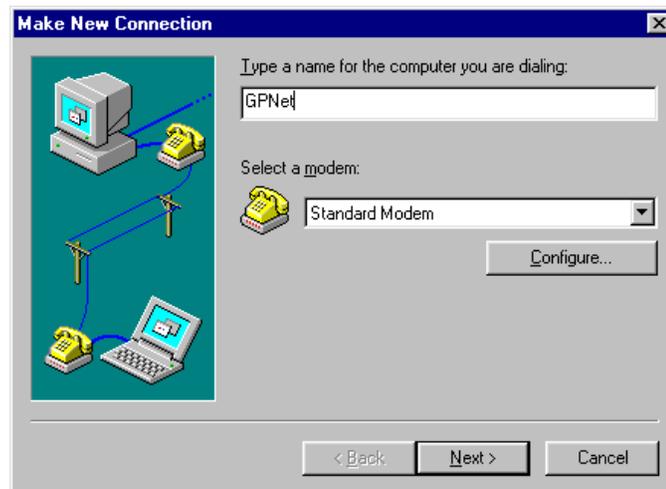


Figure 14 – Make New Connection Wizard 1

- On the next window (Figure 15), type **803** in the **Area code** field and **788-6705** for production or **788-3724** for test in the **Telephone number** field. Click **Next**.

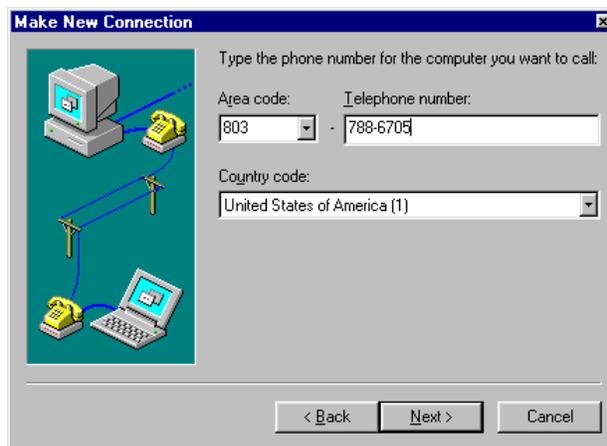


Figure 15 – Make New Connection Wizard 2

- The final wizard window will display (Figure 16). Click **Finish** to save and create the shortcut for this new connection.

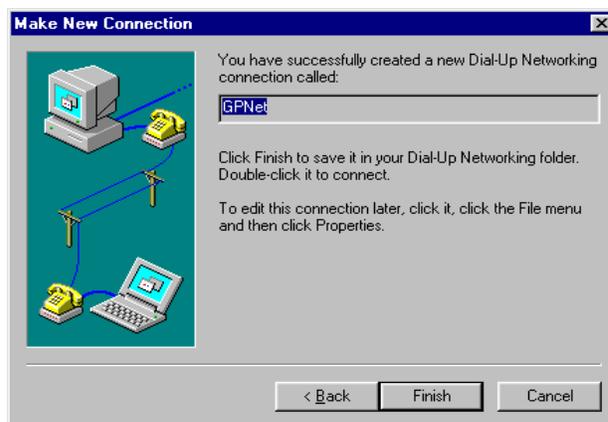


Figure 16 – Make New Connection Wizard 3

- Go back to your Dial-Up Networking folder (Figure 17) and double-click the new GPNet icon.



Figure 17 – Dial-Up Networking Folder

- The **Connect To** window will open (Figure 18). Type in the GPNet router login and password (you will receive this information during connectivity testing). Note: The user name and password are case sensitive. Click **Connect**.



Figure 18 – Connect To Window

8. Your modem will dial and the screen shown in Figure 19 will display when the connection is established. Click **Close**.
9. Use MS-DOS to make a connection.
 - a) Open a DOS prompt.
 - b) Type **ftp** at the prompt and press **ENTER**.
 - c) At the ftp> prompt, type **open 192.168.103.135 2021** for production or **192.168.103.137 2021** for test and press **ENTER**. You will see the connection information shown in Figure 20.



Figure 19 – Connection Established Window



Figure 20 – MS-DOS Prompt Window with FTP Connection

- d) Type your user name at the **User prompt** and press **ENTER**.
- e) Type your password and press **ENTER**.

Uploading Files Using FTP

1. To upload a file after connecting:
 - a) At the ftp> prompt, type **bin** and press **ENTER**.
`ftp> bin`
 200 Type set to I.
 - b) At the ftp> prompt, type **cd inbound** and press **ENTER**.
`ftp> cd inbound`
 250 CWD command successful.
 - c) Type **ls** and press **ENTER**.
`ftp> ls`
 200 PORT command successful.
 150 opening data connection for ..
 - d) Type **lcd d:/** and the path name to the file on your local directory. Press **ENTER**.
 Note: The file name you wish to retrieve must exactly match the file name on your local directory. Your local directory drive may be different from the example above.
`ftp> lcd d:/(the path name to the file on your local directory)`
 - e) Type **put**, your file name and **CUSTOMER_UPLD!FTP**. Then press **ENTER**.
`ftp> put [YOURFILENAME] CUSTOMER_UPLD!FTP`
 Note: Your file name can be no more than 30 characters in length.

- f) After the file has been successfully uploaded, you will receive a "Transmission Successful" message.
- g) If you would like to retrieve your immediate response, type `cd ..` and go to step B of the Download Files Using FTP instructions.
2. To exit the FTP process, type **bye** and press **ENTER**.
3. To exit MS-DOS, type **exit** at the prompt and press **ENTER**.
4. To end your modem connection, find the blinking modem signal on your Windows Taskbar (at the bottom right of the screen). Click this symbol and the Connect Status box will open (Figure 21). Click on **Disconnect**.

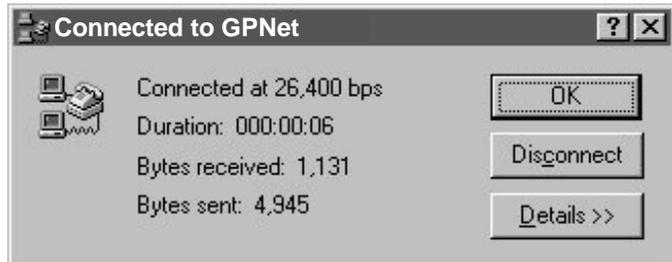


Figure 21 – Connection Status Window

Downloading Files Using FTP

1. To download a file after connecting to the FTP/FXF, begin by changing directories to the outbound mailbox and list the files available for download.
 - a) At the `ftp>` prompt type **bin** and press **ENTER**.

```
ftp> bin
200 Type set to I.
```
 - b) Type **cd outbound** and press **ENTER**.

```
ftp> cd outbound
250 CWD Command Successful
```
 - c) Type **ls** and press **ENTER**. You will see the file list information:

```
200 PORT command successful.
150 Opening data connection for ..
X1200001.ZIP.ISACTRL0001
X1200002.ZIP.ISACTRL0001
226 Transfer complete.
ftp>
```
 - d) After determining which file you want to download, enter in the download command (**get** and the file name) at the `ftp>` prompt.

```
ftp> get X1200001.ZIP.ISACTRL0001
```

Note: The file name you wish to retrieve must exactly match the file name in the outbound directory (wild cards "*" will be accepted only if "glob" is on).
 - e) When the download is complete, you will get a "Transfer Complete" message.
 - f) To delete files from the outbound mailbox, issue a **del** command at the `ftp>` prompt

```
ftp> del X1200001.ZIP.ISACTRL0001
```

Note: If you do not delete the files after successfully downloading them, they will remain in the outbound directory for 14 days, at which time they will be automatically purged. If you have multiple files to retrieve, you can use the **mget *** command, which will prompt you to confirm each file prior to the initiation of each file transfer — unless you have **prompt** turned off.

Password Change Procedures

Dial-up FTP does not accommodate password change commands. In order to change passwords, the trading partner should follow the password change procedures instructions in the **Dial-up REDI** section of this manual, or get software that allows command line (site) function to change your password.

Note: BlueCross BlueShield of South Carolina corporate policy requires all passwords to be changed every 30 days. As of June 1, 2011, all Asynchronous and FTP Dial-up trading partners must comply with this policy.

Asynchronous Dial-up users will be prompted to provide new passwords when logging in after their old passwords have expired.

Here are the guidelines for passwords:

- Password length must be six to eight characters.
- Use randomly generated passwords when feasible.
- Avoid any password based on repetition, dictionary words, letter or number sequences, usernames, relative or pet names, or biographical information (e.g., dates, ID numbers, ancestor's names or dates).
- Include numbers and symbols in passwords.
- These symbols are allowed: ! @ # \$ % ^ & * () _ + ~ | - = ' [] ; : ' " { } < > ? . ,
- Use uppercase and lowercase letters.
- Avoid using the same password for multiple sites or purposes.

If you cannot remember your password, or are experiencing problems with your password, please call the BlueCross BlueShield of South Carolina Technology Support Center at 803-736-5980 or 800-868-2505 for assistance.

Secure File Transfer Protocol (SFTP)

Trading partners choosing this option will connect through a firewall to a Windows NT server on the BlueCross BlueShield of South Carolina network. You can access this server via the Internet. Additional authentication is done through the use of a unique login ID and public key file. When this authentication is complete, the trading partner will upload files into the inbound directory where they will be uploaded for EDI Gateway processing. Trading partners should query the outbound directories to retrieve acknowledgment and response files. When you choose this connectivity option, EDI Gateway will request additional information from the trading partner such as source public IP address and public key.

We will complete all requests within seven to 14 business days.

Our SFTP server accepts SFTP client connections using the SSH2 secure protocol. The client product our Network Operations department recommends using is SecureFX from VanDyke Software, although any SFTP/SSH2 client that supports public key authentication (SSH2 public key, DSA, 1024-bit) should work.

Files submitted through the SFTP, VPN and NDM communication methods can either be segmented (one segment per line) with a valid non-special character delimiter or a 1000 byte wrapped EDI format with each ISA starting in a new line.

BlueCross EDI Gateway may remove files more than 15 days old for maintenance and security.

Virtual Private Network (VPN)

Trading partners choosing this option will connect through a firewall to a Windows NT server on the BlueCross BlueShield of South Carolina network. You can access this server via the Internet. A private key will be established used to create a VPN tunnel between the trading partner's and BlueCross BlueShield of South Carolina's servers. Additional authentication is done through the use of a unique login ID and password. When this authentication is complete, the trading partner can use FTP to submit or retrieve files to/from EDI Gateway processes. Trading partners should query outbound directories to retrieve acknowledgment and response files. When you choose this connectivity option, EDI Gateway will request additional information from the trading partner such as source VPN Concentrator IP, Host IP address, Encryption Type and Hash Method.

Files submitted through the SFTP, VPN and NDM communication methods can either be segmented (one segment per line) with a valid non-special character delimiter or a 1000 byte wrapped EDI format with each ISA starting in a new line.

BlueCross EDI Gateway may remove files more than 15 days old for maintenance and security.

Connect Direct: NDM

Trading partners choosing this option will connect through AT&T's AGNS network to BlueCross BlueShield of South Carolina's eServer using Sterling Commerce Connect Direct software. The trading partner must acquire Connect Direct licensing directly from IBM. Authentication is done with use of a unique login ID and password. When this authentication is complete, the trading partner's processes can copy files to a BlueCross BlueShield of South Carolina eServer dataset. Acknowledgment and response files will be returned from BlueCross BlueShield of South Carolina's eServer to the trading partner.

Connect Direct is a product that moves all types of data. It manages high-performance transfers by providing user-friendly automation, checkpoint/restart error recovery and security. Connect Direct software offers choices in operating systems (UNIX, Windows, Z/OS).

EDI files submitted through the SFTP, VPN and NDM communication methods can either be segmented (one segment per line) with a valid non-special character delimiter or a 1000 byte wrapped EDI format with each ISA starting in a new line.

Here are claims dataset naming conventions and attributes for X12 transactions:

X12 Production Dataset Names should be BC.HEDI.NDM.INP.**TP-ID**, and a generation data group. **TP-ID** is an eight-character EDIG assigned value associated with the EDIG assigned trading partner ID.

BlueCross BlueShield of South Carolina Commercial Example:

Trading Partner ID: **CGW0000SC0**; TP-ID: **C0000SC0**

PGBA Example:

Trading Partner ID: **7GW0000SC0**; TP-ID: **S0000SC0**

X12 Dataset Attributes

DISP: (NEW, CATLG, DELETE)
UNIT: SYSDG
SPACE: (CYL, (75,10), RLSE)
DCB: (RECFM=FB, LRECL=1000, BLKSIZE=27000)

TCPIP

The trading partners choosing this method will connect through a VPN Concentrator or AT&T's AGNS network to BlueCross BlueShield of South Carolina's eServer. The trading partner will deploy an application (for its server) that will initiate a transaction via socket x to socket y on BlueCross BlueShield of South Carolina's server. This application must acquire the socket connection and send a HIPAA-compliant X12 datastream preceded by a header. The X12 transactions must be enveloped as single transactions, i.e., one ST/SE per GS/GE per ISA/IEA. The length of the X12 transaction datastream cannot exceed 32K.

BlueCross BlueShield of South Carolina corporate policy requires all passwords to be changed every 30 days. As of June 1, 2011, all Real Time trading partners with non-expiring passwords must comply with this policy.

Here are our guidelines for your user ID and password:

- User IDs will be revoked when an incorrect password is entered three consecutive times.
- User IDs will be deleted when not used for 90 or more days.
- The password length must be eight characters and contain at least one alpha character, one numeric character and one of these special characters: @ # \$
- Previously used passwords will be stored to prevent reuse of previously used passwords for a minimum of 12 prior generations of the password.

X12 Transactions

The EDI Gateway processes these HIPAA transactions. ASC X12N transactions are version 5010.

Transaction	Description
270	Health Care Eligibility and Benefit Inquiry
271	Health Care Eligibility and Benefit Response
276	Health Care Claim Status Request
277	Health Care Claim Status Response
278	Health Care Review Information
834	Benefit Enrollment and Maintenance
835	Health Care Payment and Advice
837I	Institutional Health Care Claim
837D	Dental Health Care Claims
837P	Professional Health Care Claims

EDIG Inbound Response Matrix

This table lists acknowledgment and response transactions returned to the trading partner when EDI Gateway receives HIPAA X12 transactions.

Transaction	Interchange Acknowledgment	TR3 Edit Results	Payer SIG Edit Results	Payer Appl. Edit Results
270*	TA1	If errors, 999 (X12 TR3 edit results) is returned. If not, edit results are not returned.	271	271
270**	TA1	999 †	271	271
276*	TA1	If errors, 999 (X12 TR3 edit results) is returned. If not, edit results are not returned.	277	277
276**	TA1	999 †	277	277
278*	TA1	If errors, 999 (X12 TR3 edit results) is returned. If not, edit results are not returned.	278	278
278**	TA1	999 †	278	278
834	TA1	999 †	n/a	n/a
837*	TA1	If errors, 999 (X12 TR3 edit results) is returned. If not, edit results are not returned.	EDIG proprietary claim response file	EDIG proprietary claim response file
837**	TA1	999 †	EDIG proprietary claim response file and reports	EDIG proprietary claim response file and reports

* Batch of one: The most simple, singular request is contained in the ST/SE for a transaction.

** Batch of many: All other record groupings.

† X12 Technical Report 3s (also known as Implementation Guides) are available that include format specifications for each transaction. You can get these guides from the Washington Publishing Company (WPC) website: www.wpc-edi.com.

EDIG Specifications for Enveloping X12 Transactions

X12 Inbound Transactions

This table lists envelope instructions for inbound (to EDI Gateway) HIPAA X12 transactions.

Segment Identifier	Data Element	Description
ISA01	Authorization Info Qualifier	03
ISA02	Authorization Information	EDIG assigned Trading Partner ID
ISA03	Security Information Qualifier	00
ISA04	Security Information	None
ISA05	Interchange ID Qualifier	01, 14, 20, 22, 27, 28, 29, 30, 33, ZZ (selected by trading partner)
ISA06	Interchange Sender ID	Assigned by trading partner
ISA07	Interchange ID Qualifier	30 (qualifier indicating U.S. Federal Tax Identification Number)
ISA08	Interchange Receiver ID	Destination Entity U.S. Federal Tax Identification Number*
ISA09	Interchange Date	Populated by trading partner
ISA10	Interchange Time	Populated by trading partner
ISA11	Repetition Separator	Assigned by trading partner
ISA12	Interchange Control Version Number	00501
ISA13	Interchange Control Number	Assigned by the trading partner (must be unique for 12 months)
ISA14	Acknowledgment Requested	Assigned by the trading partner
ISA15	Usage Indicator	P, T (production or test indicator)
ISA16	Component Element Separator	Assigned by the trading partner
GS01	Functional Identifier Code	Populated by trading partner
GS02	Application Sender's Code	EDIG assigned trading partner ID
GS03	Application Receiver's Code	Destination Entity U.S. Federal Tax Identification Number. Must be same as ISA08.*
GS04	Date	Populated by trading partner
GS05	Time	Populated by trading partner
GS06	Group Control Number	Assigned by the trading partner (value must remain unique for one year)
GS07	Responsible Agency Code	X
GS08	Version/Release/Industry Identifier Code	Populated by trading partner

*** BlueCross BlueShield of South Carolina and Subsidiaries:**

<u>Entity</u>	<u>Federal TIN</u>	<u>Entity</u>	<u>Federal TIN</u>
BlueCross BlueShield of South Carolina	570287419	Thomas H. Cooper & Company	571032566
BlueChoice HealthPlan	570768835	Florida Combined Life (FCL)	592876465
Carolina Benefit Administrators	571001631	PGBA TRICARE	571132733
Companion Life Insurance Company	570523959	PGBA Bureau of Prisons	530205705
Employee Benefit Administrators	561939146	PGBA Humana Veteran Healthcare	208418853
Planned Administrators, Incorporated	570718839	Services	

Note: Additional explanations are available in the ASC X12 Standards for Electronic Data Interchange Technical Report Type 3.

Because Florida Combined Life is a separate life insurance from BlueCross BlueShield of South Carolina, Florida Combined Life will be responsible for all services related to life insurance.

X12 Outbound Transactions

This table lists envelope contents for outbound (from EDI Gateway) HIPAA X12 transactions.

Segment Identifier	Data Element	Description
ISA01	Authorization Info Qualifier	00
ISA02	Authorization Information	Blanks
ISA03	Security Information Qualifier	00
ISA04	Security Information	Blanks
ISA05	Interchange ID Qualifier	30 (qualifier indicating U.S. Federal Tax Identification Number)
ISA06	Interchange Sender ID	Sending entity's U.S. Federal Tax Identification Number *
ISA07	Interchange ID Qualifier	If 271, 277 or 278 transaction, ISA07 will be the same value of the associated inbound 270, 276 or 278 ISA05. If 999, TA1 or EDIG claim response, ISA07 will be the same value of the associated inbound transaction's ISA05. Otherwise value is ZZ.
ISA08	Interchange Receiver ID	If 271, 277 or 278 transaction, ISA08 will be the same value of the associated inbound 270, 276 or 278 ISA06. If 999, TA1 or EDIG claim response, ISA08 will be the same value of the associated inbound transaction's ISA06. If above ISA07 is ZZ, value is EDIG assigned Trading Partner ID.
ISA09	Interchange Date	Populated by EDIG
ISA10	Interchange Time	Populated by EDIG
ISA11	Repetition Separator	Populated by EDIG
ISA12	Interchange Control Version Number	00501
ISA13	Interchange Control Number	Assigned by EDIG
ISA14	Acknowledgment Requested	1
ISA15	Usage Indicator	P, T (production or test indicator)
ISA16	Component Element Separator	Populated by EDIG
GS01	Functional Identifier Code	Populated by EDIG
GS02	Application Sender's Code	Sending entity's U.S. Federal Tax Identification Number or another mutually agreed to sender identifying code*
GS03	Application Receiver's Code	If 271, 277 or 278 transaction, GS03 will be the same value of the associated inbound 270, 276 or 278 GS02. If 999, TA1 or EDIG claim response, GS03 will be the same value of the associated inbound transaction's GS02. Otherwise, value is EDIG assigned Trading Partner ID.
GS04	Date	Populated by EDIG
GS05	Time	Populated by EDIG
GS06	Group Control Number	Assigned by EDIG
GS07	Responsible Agency Code	X
GS08	Version/Release/Industry Identifier Code	Populated by EDIG

* BlueCross BlueShield of South Carolina and Subsidiaries:

<u>Entity</u>	<u>Federal TIN</u>
BlueCross BlueShield of South Carolina (includes FEP, State)	570287419
BlueChoice HealthPlan	570768835
PGBA TRICARE	571132733

EDIG Proprietary Claim Responses

When you transmit electronic claims to the BlueCross BlueShield of South Carolina EDI Gateway, the gateway generates responses that advise you of the status of your submission. All trading partners will receive the response file. It consists of one record for each claim processed by EDIG. Also, some trading partners will receive two reports: the Claims Submission Summary Report and the Error Claim Summary Report. The Claims Submission Summary Report is a listing of what BlueCross BlueShield of South Carolina EDI Gateway actually received from you and it indicates whether those claims passed the first set of front-end edits. The Error Claims Summary Report identifies errors on rejected claims so that you can correct and resubmit your claims as soon as possible.

Claim Response Layout – Professional

Data Element	Picture	Source	Description
MCN	PIC X(100)		
MCN-Data Redefines MCN			
PROCESSOR-ID	PIC X(09)	ISA08	Entity to whom EDIG is routing the claim
X12 TRANSACTION-ID	PIC X(04)	ST01	Transaction set control number, always 837
X12 VERSION-NUMBER	PIC X(12)	GS08	Version release identification code
SUBMITTER-ID	PIC X(10)	ISA02 (GS02)	Trading Partner ID assigned by EDIG
BILLING-PROVIDER-ID	PIC X(12)	Loop 2010AA-NM109	First 12 characters of billing provider's EIN or SSN
SUBSCRIBER-ID	PIC X(17)	Loop 2010BA-NM109	First 17 characters of subscriber's member identification number
PATIENT-CONTROL-NUMBER	PIC X(20)	Loop 2300-CLM01	Patient's account number
ENTRY-DATE	PIC X(08)		Date data retrieved from trading partner's mailbox
ENTRY-TIME	PIC X(08)		Time data retrieved from trading partner's mailbox
End of MCN-Data			
ACCEPT/REJECT-INDICATOR	PIC X(01)		Generated by EDIG to indicate claim forwarded to processor (A) or rejected back to trading partner with errors (R)
TEST/PROD-INDICATOR	PIC X(01)	ISA15	Code to indicate production (P) or test (T) claim
GROUP-CONTROL-NUMBER	PIC X(09)	GS06	Group control number assigned by the trading partner
PROCESSOR-ASSIGNED-CLAIM-NUMBER	PIC X(20)		Available when provided by processor
FILLER-RESERVED	PIC X(20)		
Reference/Trace-Number-Data		Occurs 4 Times	
REFERENCE/TRACE-NBR-INDICATOR	PIC X(01)		
EDIG-ASSIGNED-NBR	VALUE E		Assigned by EDIG
SUBMITTER-ASSIGNED-NBR	VALUE S		Assigned by trading partner
RECEIVER-ASSIGNED-NBR	VALUE R		Assigned by third party process
REFERENCE/TRACE NUMBER	PIC X(30)	Loop 2300-REF02	Value-added network trace number assigned by sender (claim number)
Submitter-Data-Area Note: Submitter individual is used if loop 1000A-NM102 = 1 (person), submitter organization is used if loop 1000A-NM102 = 2 (non-person entity)			
Submitter-Individual			
SUBMITTER-ID	PIC X(25)	ISA02 (GS02)	Trading Partner ID assigned by EDIG

Data Element	Picture	Source	Description
SUBMITTER-LAST-NAME	PIC X(20)	Loop 1000A-NM103	Trading partner's last name
SUBMITTER-FIRST-NAME	PIC X(14)	Loop 1000A-NM104	Trading partner's first name
SUBMITTER-MIDDLE-INITIAL	PIC X(01)	Loop 1000A-NM105	Trading partner's middle initial
Submitter-Organization Redefines Submitter-Individual			
SUBMITTER-ID	PIC X(25)	ISA02 (GS02)	Trading Partner ID assigned by EDIG
SUBMITTER-ORGANIZATION-NAME	PIC X(35)	Loop 1000A-NM103	Trading partner organization's name
Payer-Data-Area			
PAYER-ID-CODE	PIC X(25)	Loop 2010BB-NM109	Payer's identifier
PAYER-NAME	PIC X(35)	Loop 2010BB-NM103	Payer's name
Receiver-Data-Area			
RECEIVER-ID	PIC X(25)	Loop 1000B-NM109	Receiver's primary identifier
RECEIVER-NAME	PIC X(35)	Loop 1000B-NM103	Receiver's name
Billing-Provider-Data-Area Note: Billing Provider Individual is used if loop 2010AA-NM102 = 1 (person), Billing Provider Organization is used if loop 2010AA-NM102 = 2 (non-person entity)			
Billing-Provider-Individual			
BILLING-PROVIDER-ID	PIC X(25)	Loop 2010AA-NM109	Billing provider's identifier
BILLING-PROVIDER-LAST-NAME	PIC X(20)	Loop 2010AA-NM103	Billing provider's last name
BILLING-PROVIDER-FIRST-NAME	PIC X(14)	Loop 2010AA-NM104	Billing provider's first name
BILLING-PROVIDER-MIDDLE-INITIAL	PIC X(01)	Loop 2010AA-NM105	Billing provider's middle initial
Billing-Provider-Organization Redefines Billing-Provider-Individual			
BILLING-PROVIDER-ID	PIC X(25)	Loop 2010AA-NM109	Billing provider's identifier
BILLING-PROVIDER-NAME	PIC X(35)	Loop 2010AA-NM103	Billing provider organization's name
Pay-To-Provider-Data-Area Note: Pay To Provider Individual is used if loop 2010AB-NM102 = 1 (person), Pay To Provider Organization is used if loop 2010AB-NM102 = 2 (non-person entity)			
Pay-To-Provider-Individual			
PAY-TO-PROVIDER-NBR	PIC X(25)	Loop 2010AB-NM109	Pay-to provider's identifier
PAY-TO-PROVIDER-LAST-NAME	PIC X(20)	Loop 2010AB-NM103	Pay-to provider's last name
PAY-TO-PROVIDER-FIRST-NAME	PIC X(14)	Loop 2010AB-NM104	Pay-to provider's first name
PAY-TO-PROVIDER-MIDDLE-INITIAL	PIC X(01)	Loop 2010AB-NM105	Pay-to provider's middle initial
Pay-To-Provider-Organization Redefines Pay-To-Provider-Individual			
PAY-TO-PROVIDER-NBR	PIC X(25)	Loop 2010AB-NM109	Pay-to provider's identifier
PAY-TO-PROVIDER-NAME	PIC X(35)	Loop 2010AB-NM103	Pay-to provider organization's name
Rendering-Provider-Data-Area Note: Rendering Provider Individual is used if loop 2310B-NM102 = 1 (person), Rendering Provider Organization is used if loop 2310B-NM102 = 2 (non-person entity)			
Rendering-Provider-Individual			

Data Element	Picture	Source	Description
RENDERING-PROVIDER-ID	PIC X(25)	Loop 2310B-NM109	Rendering provider's identifier
RENDERING-PROVIDER-LAST-NAME	PIC X(20)	Loop 2310B-NM103	Rendering provider's last name
RENDERING-PROVIDER-FIRST-NAME	PIC X(14)	Loop 2310B-NM104	Rendering provider's first name
RENDERING-PROVIDER-MIDDLE-INITIAL	PIC X(01)	Loop 2310B-NM105	Rendering provider's middle initial
Rendering-Provider-Organization Redefines Rendering-Provider-Individual			
RENDERING-PROVIDER-ID	PIC X(25)	Loop 2310B-NM109	Rendering provider's identifier
RENDERING-PROVIDER-NAME	PIC X(35)	Loop 2310B-NM103	Rendering provider organization's name
Subscriber-Data-Area Note: Subscriber Individual is used if loop 2010BA-NM102 = 1 (person), Subscriber Organization is used if loop 2010BA-NM102 = 2 (non-person entity)			
Subscriber-Individual			
SUBSCRIBER-NUMBER	PIC X(25)	Loop 2010BA-NM109	Subscriber's primary identification number
SUBSCRIBER-ADDTL-NUMBER	PIC X(25)	Loop 2010BA-REF02	Subscriber's supplemental identifier
SUBSCRIBER-LAST-NAME	PIC X(20)	Loop 2010BA-NM103	Subscriber's last name
SUBSCRIBER-FIRST	PIC X(14)	Loop 2010BA-NM104	Subscriber's first name
SUBSCRIBER-MIDDLE-INITIAL	PIC X(01)	Loop 2010BA-NM105	Subscriber's middle initial
SUBSCRIBER-DATE-OF-BIRTH	PIC X(08)	Loop 2010BA-DMG02	Subscriber's birth date
FILLER	PIC X(20)		
Subscriber-Organization Redefines Subscriber-Individual			
SUBSCRIBER-NUMBER	PIC X(25)	Loop 2010BA-NM109	Subscriber's primary identification number
SUBSCRIBER-ADDTL-NUMBER	PIC X(25)	Loop 2010BA-REF02	Subscriber's supplemental identifier
SUBSCRIBER-ORGANIZATION-NAME	PIC X(35)	Loop 2010BA-NM103	Subscriber organization's name
FILLER	PIC X(28)		
Patient-Data-Area			
PATIENT-LAST-NAME	PIC X(20)	Loop 2010CA-NM103	Patient's last name
PATIENT-FIRST-NAME	PIC X(14)	Loop 2010CA-NM104	Patient's first name
PATIENT-MIDDLE-INITIAL	PIC X(01)	Loop 2010CA-NM105	Patient's middle initial
PATIENT-ID-NUMBER	PIC X(25)	Loop 2010CA-NM109	Patient's primary identification number
PATIENT-DATE-OF-BIRTH	PIC X(08)	Loop 2010CA-DMG02	Patient's birth date
PATIENT-BILL-TYPE	PIC X(03)	Loop 2300-CLM05	Facility code value (place of service)
SERVICE-FROM-DATE	PIC X(08)	Loop 2300-DTP03	Service from date
SERVICE-TO-DATE	PIC X(08)	Loop 2300-DTP03	Service to date

Data Element	Picture	Source	Description
TOTAL-CHARGES	PIC 9(16)V99	Loop 2300- CLM02	Total claim charge amount
FILLER	PIC X(20)		
Error-Claim-Message Occurs 8 Times Indexed By CLM-ERR-INDX			
SEGMENT-POSITION	PIC 9(10)		Segment position relative to ST
HL-ID	PIC X(12)	HL01	Hierarchical identification number
LOOP-IDENTIFIER	PIC X(06)		Refer to X12 837 TR3 Appendix A for X12 definitions of the transactions structural components
LOOP-REPEAT-IDENTIFIER	PIC X(04)		Refer to X12 837 TR3 Appendix A for X12 definitions of the transactions structural components
SEGMENT-IDENTIFIER	PIC X(04)		Refer to X12 837 TR3 Appendix A for X12 definitions of the transactions structural components
SEGMENT-FIELD-IDENTIFIER	PIC X(06)		Refer to X12 837 TR3 Appendix A for X12 definitions of the transactions structural components
SEGMENT-REPEAT-IDENTIFIER	PIC X(04)		Refer to X12 837 TR3 Appendix A for X12 definitions of the transactions structural components
ERROR-CODE	PIC X(05)		
ERROR-CODE-SOURCE-IDENTIFIER	PIC X(01)		Valid values: S = SIG edit errors; P = Processor edit errors; E = EDIG edit errors
ERROR-DESCRIPTION-VERBIAGE	PIC X(65)		
Accept-Claim-Message Redefines Error-Claim-Message			
ACCEPT-CLAIM-MESSAGE-LINE1	PIC X(100)		
ACCEPT-CLAIM-MESSAGE-LINE2	PIC X(100)		
ACCEPT-CLAIM-MESSAGE-LINE3	PIC X(100)		
ACCEPT-CLAIM-MESSAGE-LINE4	PIC X(100)		
FILLER	PIC X(536)		
End of Accept-Claim-Message			
FILLER	PIC X(187)		
RESPONSE-FORMAT-VERSION-CODE	PIC X(04)		EDIG assigned; Value 0100 (01.00 Version 1)
END of Layout			

Claim Response Layout – Dental

Data Element	Picture	Source	Description
MCN	PIC X(100)		
MCN-Data Redefines MCN			
PROCESSOR-ID	PIC X(09)	ISA08	Entity to whom EDIG is routing the claim
X12 TRANSACTION-ID	PIC X(04)	ST01	Transaction set control number, always 837
X12 VERSION-NUMBER	PIC X(12)	GS08	Version release identification code
SUBMITTER-ID	PIC X(10)	ISA02 (GS02)	Trading Partner ID assigned by EDIG
BILLING-PROVIDER-ID	PIC X(12)	Loop 2010AA-NM109	First 12 characters of billing provider's EIN or SSN
SUBSCRIBER-ID	PIC X(17)	Loop 2010BA-NM109	First 17 characters of subscriber's member identification number
PATIENT-CONTROL-NUMBER	PIC X(20)	Loop 2300-CLM01	Patient's account number
ENTRY-DATE	PIC X(08)		Date EDIG retrieved data from trading partner's mailbox
ENTRY-TIME	PIC X(08)		Time EDIG retrieved data from trading partner's mailbox
End of MCN-Data			
ACCEPT/REJECT-INDICATOR	PIC X(01)		Generated by EDIG to indicate claim forwarded to processor (A) or rejected back to trading partner with errors (R)
TEST/PROD-INDICATOR	PIC X(01)	ISA15	Code to indicate production (P) or test (T) claim
GROUP-CONTROL-NUMBER	PIC X(09)	GS06	Group control number assigned by the trading partner
PROCESSOR-ASSIGNED-CLAIM-NUMBER	PIC X(20)		Available when provided by processor
FILLER-RESERVED	PIC X(20)		
Reference/Trace-Number		Occurs 4 Times	
REFERENCE/TRACE-NBR-INDICATOR	PIC X(01)		
EDIG-ASSIGNED-NBR	VALUE E		Assigned by EDIG
SUBMITTER-ASSIGNED-NBR	VALUE S		Assigned by trading partner
RECEIVER-ASSIGNED-NBR	VALUE R		Assigned by third party process
REFERENCE/TRACE-NUMBER	PIC X(30)	Loop 2300-REF02	Value-added network trace number assigned by sender (claim number)
Submitter-Data-Area Note: Submitter Individual is used if Loop 1000A-NM102 = 1 (person), Submitter Organization is used if Loop 1000A-NM102 = 2 (non-person entity)			
Submitter-Individual			
SUBMITTER-ID	PIC X(25)	ISA02 (GS02)	Trading Partner ID assigned by EDIG
SUBMITTER-LAST-NAME	PIC X(20)	Loop 1000A-NM103	Trading partner's last name
SUBMITTER-FIRST-NAME	PIC X(14)	Loop 1000A-NM104	Trading partner's first name
SUBMITTER-MIDDLE-INITIAL	PIC X(01)	Loop 1000A-NM105	Trading partner's middle initial
Submitter-Organization Redefines Submitter-Individual			
SUBMITTER-ID	PIC X(25)	ISA02 (GS02)	Trading Partner ID assigned by EDIG
SUBMITTER-ORGANIZATION-NAME	PIC X(35)	Loop 1000A-NM103	Trading partner organization's name

Data Element	Picture	Source	Description
Payer-Data-Area			
PAYER-ID-CODE	PIC X(25)	Loop 2010BB-NM109	Payer's identifier
PAYER-NAME	PIC X(35)	Loop 2010BB-NM103	Payer's name
Receiver-Data-Area			
RECEIVER-ID	PIC X(25)	Loop 1000B-NM109	Receiver's primary identifier
RECEIVER-NAME	PIC X(35)	Loop 1000B-NM103	Receiver's name
Billing-Provider-Data-Area Note: Billing Provider Individual is used if Loop 2010AA-NM102 = 1 (person), Billing-Provider-Organization is used if Loop 2010AA-NM102 = 2 (non-person entity)			
Billing-Provider-Individual			
BILLING-PROVIDER-ID	PIC X(25)	Loop 2010AA-NM109	Billing provider's identifier
BILLING-PROVIDER-LAST-NAME	PIC X(20)	Loop 2010AA-NM103	Billing provider's last name
BILLING-PROVIDER-FIRST-NAME	PIC X(14)	Loop 2010AA-NM104	Billing provider's first name
BILLING-PROVIDER-MIDDLE-INITIAL	PIC X(01)	Loop 2010AA-NM105	Billing provider's middle initial
Billing-Provider-Organization Redefines Billing-Provider-Individual			
BILLING-PROVIDER-ID	PIC X(25)	Loop 2010AA-NM109	Billing provider's identifier
BILLING-PROVIDER-NAME	PIC X(35)	Loop 2010AA-NM103	Billing provider organization's name
Pay-To-Provider-Data-Area Note: Pay-To-Provider-Individual is used if Loop 2010AB-NM102 = 1 (person), Pay-To-Provider-Organization is used if Loop 2010AB-NM102 = 2 (non-person entity)			
Pay-To-Provider-Individual			
PAY-TO-PROVIDER-NBR	PIC X(25)	Loop 2010AB-NM109	Pay-to provider's identifier
PAY-TO-PROVIDER-LAST-NAME	PIC X(20)	Loop 2010AB-NM103	Pay-to provider's last name
PAY-TO-PROVIDER-FIRST-NAME	PIC X(14)	Loop 2010AB-NM104	Pay-to provider's first name
PAY-TO-PROVIDER-MIDDLE-INITIAL	PIC X(01)	Loop 2010AB-NM105	Pay-to provider's middle initial
Pay-To-Provider-Organization Redefines Pay-To-Provider-Individual			
PAY-TO-PROVIDER-NBR	PIC X(25)	Loop 2010AB-NM109	Pay-to provider's identifier
PAY-TO-PROVIDER-NAME	PIC X(35)	Loop 2010AB-NM103	Pay-to provider organization's name
Rendering-Provider-Data-Area Note: Rendering-Provider-Individual is used if Loop 2310B-NM102 = 1 (person), Rendering-Provider-Organization is used if Loop 23010B-NM102 = 2 (non-person entity)			
Rendering-Provider-Individual			
RENDERING-PROVIDER-ID	PIC X(25)	Loop 2310B-NM109	Rendering provider's identifier
RENDERING-PROVIDER-LAST-NAME	PIC X(20)	Loop 2310B-NM103	Rendering provider's last name
RENDERING-PROVIDER-FIRST-NAME	PIC X(14)	Loop 2310B-NM104	Rendering provider's first name
RENDERING-PROVIDER-MIDDLE-INITIAL	PIC X(01)	Loop 2310B-NM105	Rendering provider's middle initial

Data Element	Picture	Source	Description
Rendering-Provider-Organization Redefines Rendering-Provider-Individual			
RENDERING-PROVIDER-ID	PIC X(25)	Loop 2310B-NM109	Rendering provider's identifier
RENDERING-PROVIDER-NAME	PIC X(35)	Loop 2310B-NM103	Rendering provider organization's name
Subscriber-Data-Area Note: Subscriber Individual is used if Loop 2010BA-NM102 = 1 (person), Subscriber Organization is used if Loop 2010BA-NM102 = 2 (non-person entity)			
Subscriber-Individual			
SUBSCRIBER-NUMBER	PIC X(25)	Loop 2010BA-NM109	Subscriber's primary identification number
SUBSCRIBER-ADDTL-NUMBER	PIC X(25)	Loop 2010BA-REF02	Subscriber's supplemental identifier
SUBSCRIBER-LAST-NAME	PIC X(20)	Loop 2010BA-NM103	Subscriber's last name
SUBSCRIBER-FIRST-NAME	PIC X(14)	Loop 2010BA-NM104	Subscriber's first name
SUBSCRIBER-MIDDLE-INITIAL	PIC X(01)	Loop 2010BA-NM105	Subscriber's middle initial
SUBSCRIBER-DATE-OF-BIRTH	PIC X(08)	Loop 2010BA-DMG02	Subscriber's birth date
FILLER	PIC X(20)		
Subscriber-Organization Redefines Subscriber-Individual			
SUBSCRIBER-NUMBER	PIC X(25)	Loop 2010BA-NM109	Subscriber's primary identification number
SUBSCRIBER-ADDTL-NUMBER	PIC X(25)	Loop 2010BA-REF02	Subscriber's supplemental identifier
SUBSCRIBER-ORGANIZATION-NAME	PIC X(35)	Loop 2010BA-NM103	Subscriber organization's name
FILLER	PIC X(28)		
Patient-Data-Area			
PATIENT-LAST-NAME	PIC X(20)	Loop 2010CA-NM103	Patient's last name
PATIENT-FIRST-NAME	PIC X(14)	Loop 2010CA-NM104	Patient's first name
PATIENT-MIDDLE-INITIAL	PIC X(01)	Loop 2010CA-NM105	Patient's middle initial
PATIENT-ID-NUMBER	PIC X(25)	Loop 2010CA-NM109	Patient's primary identification number
PATIENT-DATE-OF-BIRTH	PIC X(08)	Loop 2010CA-DMG02	Patient's birth date
PATIENT-BILL-TYPE	PIC X(03)	Loop 2300-CLM05	Facility code value (place of service)
SERVICE-FROM-DATE	PIC X(08)	Loop 2300-DTP03	Service from date
SERVICE-TO-DATE	PIC X(08)	Loop 2300-DTP03	Service to date
TOTAL-CHARGES	PIC 9(16)V99	Loop 2300-CLM02	Total claim charge amount
FILLER	PIC X(20)		
Error-Claim-Message Occurs 8 Times Indexed By CLM-ERR-INDX.			
SEGMENT-POSITION	PIC 9(10)		Segment position relative to ST
HL-ID	PIC X(12)	HL01	Hierarchical identification
LOOP-IDENTIFIER	PIC X(06)		Refer to X12 837 TR3 Appendix A for X12 definitions of the transactions structural components

Data Element	Picture	Source	Description
LOOP-REPEAT-IDENTIFIER	PIC X(04)		Refer to X12 837 TR3 Appendix A for X12 definitions of the transactions structural components
SEGMENT-IDENTIFIER	PIC X(04)		Refer to X12 837 TR3 Appendix A for X12 definitions of the transactions structural components
SEGMENT-FIELD-IDENTIFIER	PIC X(06)		Refer to X12 837 TR3 Appendix A for X12 definitions of the transactions structural components
SEGMENT-REPEAT-IDENTIFIER	PIC X(04)		Refer to X12 TR3 Appendix A for X12 definitions of the transactions structural components
ERROR-CODE	PIC X(05)		
ERROR-CODE-IDENTIFIER	PIC X(01)		Valid values: S = SIG edit errors; P = Processor edit errors; E = EDIG edit errors
ERROR-DESCRIPTION-VERBIAGE	PIC X(65)		
Accept-Claim-Message Redefines Error-Claim-Message			
ACCEPT-CLAIM-MESSAGE-LINE1	PIC X(100)		
ACCEPT-CLAIM-MESSAGE-LINE2	PIC X(100)		
ACCEPT-CLAIM-MESSAGE-LINE3	PIC X(100)		
ACCEPT-CLAIM-MESSAGE-LINE4	PIC X(100)		
FILLER	PIC X(536)		
End of Accept-Claim-Message			
FILLER	PIC X(187)		
RESPONSE FORMAT VERSION CODE	PIC X(04)		EDIG assigned; Value 0100 (01.00 Version 1)
END of Layout			

Claim Response Layout – Institutional

Data Element	Picture	Source	Description
MCN	PIC X(100)		
MCN-Data Redefines MCN			
PROCESSOR-ID	PIC X(09)	ISA08	Entity to whom EDIG is routing the claim
X12 TRANSACTION-ID	PIC X(04)	ST01	Transaction set control number, always 837
X12 VERSION-NUMBER	PIC X(12)	GS08	Version release identification code
SUBMITTER-ID	PIC X(10)	ISA02 (GS02)	Trading Partner ID assigned by EDIG
BILLING-PROVIDER-ID	PIC X(12)	Loop 2010AA-NM109	First 12 characters of billing provider's EIN or SSN
SUBSCRIBER-ID	PIC X(17)	Loop 2010BA-NM109	First 17 characters of subscriber's member identification number
PATIENT-CONTROL-NUMBER	PIC X(20)	Loop 2300-CLM01	Patient's account number
ENTRY-DATE	PIC X(08)		Date data retrieved from trading partner's mailbox
ENTRY-TIME	PIC X(08)		Time data retrieved from trading partner's mailbox
END of MCN-DATA			
ACCEPT/REJECT-INDICATOR	PIC X(01)		Generated by EDIG to indicate claim forwarded to processor (A) or rejected back to trading partner with errors (R)
TEST/PROD-INDICATOR	PIC X(01)	ISA15	Code to indicate production (P) or test (T) claim
GROUP-CONTROL-NUMBER	PIC X(09)	GS06	Group control number assigned by the trading partner
PROCESSOR ASSIGNED-CLAIM-NUMBER	PIC X(20)		Available when provided by processor
FILLER-RESERVED	PIC X(20)		
Reference/Trace Number		Occurs 4 Times	
REFERENCE/TRACE-NBR-INDICATOR	PIC X(01)		
EDIG-ASSIGNED	VALUE E		Assigned by EDIG
SUBMITTER-ASSIGNED	VALUE S		Assigned by trading partner
RECEIVER-ASSIGNED	VALUE R		Assigned by third party process
REFERENCE/TRACE-NUMBER	PIC X(30)	Loop 2300-REF02	Value-added network trace number assigned by sender (claim number)
Submitter-Data-Area Note: Submitter Individual is used if Loop 1000A-NM102 = 1 (person), Submitter Organization is used if Loop 1000A-NM102 = 2 (non-person entity)			
Submitter-Individual			
SUBMITTER-ID	PIC X(25)	ISA02 (GS02)	Trading Partner ID assigned by EDIG
SUBMITTER-LAST-NAME	PIC X(20)	Loop 1000A-NM103	Trading partner's last name
SUBMITTER-FIRST-NAME	PIC X(14)	Loop 1000A-NM104	Trading partner's first name
SUBMITTER-MIDDLE-INITIAL	PIC X(01)	Loop 1000A-NM105	Trading partner's middle initial
Submitter-Organization Redefines Submitter-Individual			
SUBMITTER-ID	PIC X(25)	ISA02 (GS02)	Trading Partner ID assigned by EDIG
SUBMITTER-ORGANIZATION-NAME	PIC X(35)	Loop 1000A-NM103	Trading partner organization's name
Payer-Data-Area			
PAYER-ID-CODE	PIC X(25)	Loop 2010BC-NM109	Payer's identifier
PAYER-NAME	PIC X(35)	Loop 2010BC-NM103	Payer's name

Data Element	Picture	Source	Description
Receiver-Data-Area			
RECEIVER-ID	PIC X(25)	Loop 1000B-NM109	Receiver's primary identifier
RECEIVER-NAME	PIC X(35)	Loop 1000B-NM103	Receiver's name
Provider-Data-Area			
BILLING-PROVIDER-ID	PIC X(25)	Loop 2010AA-NM109	Billing provider's identifier
BILLING-PROVIDER-NAME	PIC X(35)	Loop 2010AA-NM103	Billing provider's name
PAY-TO-PROVIDER-NBR	PIC X(25)	Loop 2010AB-NM109	Pay-to provider's identifier
PAY-TO-PROVIDER-NAME	PIC X(35)	Loop 2010AB-NM103	Pay-to provider's name
FILLER	PIC X(60)		Not used
Subscriber-Data-Area Note: Subscriber Individual is used if Loop 2010BA-NM102 = 1 (person), Subscriber Organization is used if Loop 2010BA-NM102 = 2 (non-person entity)			
Subscriber-Individual			
SUBSCRIBER-NUMBER	PIC X(25)	Loop 2010BA-NM109	Subscriber's primary identification number
SUBSCRIBER-ADDTL-NUMBER	PIC X(25)	Loop 2010BA-REF02	Subscriber's supplemental identifier
SUBSCRIBER-LAST-NAME	PIC X(20)	Loop 2010BA-NM103	Subscriber's last name
SUBSCRIBER-FIRST	PIC X(14)	Loop 2010BA-NM104	Subscriber's first name
SUBSCRIBER-MIDDLE-INITIAL	PIC X(01)	Loop 2010BA-NM105	Subscriber's middle initial
SUBSCRIBER-DATE-OF-BIRTH	PIC X(08)	Loop 2010BA-DMG02	Subscriber's birth date
FILLER	PIC X(20)		
Subscriber-Organization Redefines Subscriber-Individual			
SUBSCRIBER-NUMBER	PIC X(25)	Loop 2010BA-NM109	Subscriber's primary identification number
SUBSCRIBER-ADDTL-NUMBER	PIC X(25)	Loop 2010BA-REF02	Subscriber's supplemental identifier
SUBSCRIBER-ORGANIZATION-NAME	PIC X(35)	Loop 2010BA-NM103	Subscriber organization's name
FILLER	PIC X(28)		
Patient-Data-Area			
PATIENT-LAST-NAME	PIC X(20)	Loop 2010CA-NM103	Patient's last name
PATIENT-FIRST-NAME	PIC X(14)	Loop 2010CA-NM104	Patient's first name
PATIENT-MIDDLE-INITIAL	PIC X(01)	Loop 2010CA-NM105	Patient's middle initial
PATIENT-ID-NBR	PIC X(25)	Loop 2010CA-NM109	Patient's primary identification number
PATIENT-DATE-OF-BIRTH	PIC X(08)	Loop 2010CA-DMG02	Patient's birth date
PATIENT-BILL-TYPE	PIC X(03)	Loop 2300-CLM05	Facility type code
SERVICE-FROM-DATE	PIC X(08)	Loop 2400-DTP03	Service from date

Data Element	Picture	Source	Description
SERVICE-TO-DATE	PIC X(08)	Loop 2400-DTP03	Service to date
TOTAL-CHARGES	PIC 9(16)V99	Loop 2300-CLM02	Total claim charge amount
FILLER	PIC X(20)		
Error-Claim-Message Occurs 8 Times Indexed by CLM-ERR-INDX			
SEGMENT-POSITION	PIC 9(10)		Segment position relative to ST
HL-ID	PIC X(12)	HL01	Hierarchical identification number
LOOP-IDENTIFIER	PIC X(06)		Refer to X12 TR3 Appendix A for X12 definitions of the transactions structural components
LOOP-REPEAT-IDENTIFIER	PIC X(04)		Refer to X12 TR3 Appendix A for X12 definitions of the transactions structural components
SEGMENT-IDENTIFIER	PIC X(04)		Refer to X12 TR3 Appendix A for X12 definitions of the transactions structural components
SEGMENT-FIELD-IDENTIFIER	PIC X(06)		Refer to X12 TR3 Appendix A for X12 definitions of the transactions structural components
SEGMENT-REPEAT-IDENTIFIER	PIC X(04)		Refer to X12 TR3 Appendix A for X12 definitions of the transactions structural components
ERROR-CODE	PIC X(05)		
ERROR-CODE-SOURCE-IDENTIFIER	PIC X(01)		Valid values: S = SIG edit errors; P = Processor edit errors; E = EDIG edit errors
ERROR-DESCRIPTION-VERBIAGE	PIC X(65)		
Accept-Claim-Message Redefines Error-Claim-Message			
ACCEPT-CLAIM-MESSAGE-LINE1	PIC X(100)		
ACCEPT-CLAIM-MESSAGE-LINE2	PIC X(100)		
ACCEPT-CLAIM-MESSAGE-LINE3	PIC X(100)		
ACCEPT-CLAIM-MESSAGE-LINE4	PIC X(100)		
FILLER	PIC X(536)		
END of Accept-Claim-Message			
FILLER	PIC X(187)		
RESPONSE FORMAT VERSION CODE	PIC X(04)		EDIG assigned; Value 0100 (01.00 Version 1)
END of Layout			

Data Item	Description	Data Element
(PAY TO PROVIDER NAME)	Pay-to provider's name	Pay-To-Provider-Last-Name, Pay-To-Provider-First-Name, Pay-To-Provider, Middle Initial or Pay-To-Provider-Organization-Name
PROCESSOR ID	Entity to whom EDIG is routing the claim	Processor-ID
(PROCESSOR NAME)	Name of entity to whom EDIG is routing the claim	
TRANSACTION	Transaction Set	Always 837
TYPE	Claim type	Institutional, Professional or Dental
SUBSCRIBER MEMBER ID	Subscriber's member identification number	Subscriber-Number
LAST	Subscriber's last name	Subscriber-Last-Name or Subscriber-Organization-Name
F	Subscriber's first initial	Subscriber-First-Initial or Subscriber-Organization Name
PATIENT CONTROL NUMBER	Patient's account number	Patient-Control-Number
LAST	Patient's last name	Patient-Last-Name
F	Patient's first initial	Patient-First-Initial
SERVICE DATE FROM	Service from date	Service-From-Date
SERVICE DATE TO	Service to date	Service-To-Date
TOTAL CHARGES	Total claim charge amount	Total-Charges
REJ/ACC	Generated by EDIG to indicate claim forwarded to processor or rejected back to trading partner with errors	Generated by BlueCross BlueShield of South Carolina computer system
PROD/TEST	Code to indicate production (P) or test (T) claim	Test/Prod-Indicator

Data Item	Description	Data Element
BILLING PROVIDER	Billing provider's EIN or SSN	Billing-Provider-ID
(BILLING PROVIDER NAME)	Billing provider's name	Billing-Provider-Last-Name, Billing-Provider-First-Name, Billing-Provider-Middle Initial or Billing Provider-Organization-Name
PAY TO PROVIDER	Pay-to provider's EIN or SSN	Pay-To-Provider-NBR
(PAY TO PROVIDER NAME)	Pay-to provider's name	Pay-To-Provider-Last-Name, Pay-To-Provider-First-Name, Pay-To-Provider-Middle Initial or Pay-To-Provider-Organization-Name
PROCESSOR ID	Entity to whom EDIG is routing the claim	Processor-ID
(PROCESSOR NAME)	Name of entity to whom EDIG is routing the claim	
TRANSACTION	Transaction Set	Always 837
TYPE	Claim type	Institutional, Professional or Dental
SUBSCRIBER MEMBER ID	Subscriber's member identification number	Subscriber-Number
LAST	Subscriber's last name	Subscriber-Last-Name or Subscriber-Organization-Name
F	Subscriber's first initial	Subscriber-First-Initial or Subscriber-Organization Name
PATIENT CONTROL NUMBER	Patient's account number	Patient-Control-Number
LAST	Patient's last name	Patient-Last-Name
F	Patient's first initial	Patient-First-Initial
SERVICE DATE FROM	Service from date	Service-From-Date
SERVICE DATE TO	Service to date	Service-To-Date
TOTAL CHARGES	Total claim charge amount	Total-Charges
REJ/ACC	Generated by EDIG to indicate claim forwarded to processor or rejected back to trading partner with errors	Generated by BlueCross BlueShield of South Carolina computer system
PROD/TEST	Code to indicate production (P) or test (T) claim	Test/Prod-Indicator
ERROR TYPE	S: SIG Edit Errors, P: Processor Edit Errors, E: EDIG Edit Errors	Error-Code-Source-Identifier
SEGMENT POSITION	Position of segment in error relative to ST	Relative segment position from ST
LOOP	Loop ID in error	Loop-Identifier
REPEAT		Loop-Repeat-Identifier
SEG	Segment in error	Segment-Identifier
FIELD	Field in error	Segment-Field-Identifier
REPEAT		Segment-Repeat-Identifier
ERROR CODE	Code identifying the error	Error-Code
DESCRIPTION	Abbreviated error message description	Error-Description-Identifier

Additional Information for Trading Partners

1. Trading partners should envelope (ISA-IEA) different transactions separately.
2. When preparing files for transmission to the EDI Gateway, please zip one file at a time and do not zip multiple files together. If trading partner is using Secure FTP or VPN protocol, zipped files cannot be transmitted.
3. Each file should contain only one transaction type (i.e., 837P, 837I, 270, etc).
4. EDIG's processes will perform a case conversion (to UPPERCASE) on all EDI data.
5. If the trading partner opts to use a method other than an asynchronous dial-up interface, "wrapped" data cannot be transmitted to EDI Gateway.
6. X12 transactions should not include control characters, examples such as line feed or carriage control.
7. On April 27, 2005, EDI Gateway implemented a limitation on the size of X12 270 files. These files cannot be larger than 40,000 bytes (~39K). If the file is larger than (~39k), it will reject with text message "270 file size too large, please limit to 39K or smaller." (Typically, a 19K size file will accommodate 99 eligibility inquiries.)
8. EDI Gateway and the payer's edits include HIPAA X12 TR3 code set validation.
9. On January 1, 2012, EDI Gateway implemented a limitation on the number of INS segments in an Inbound X12 834 file. The number of INS segments cannot exceed 80,000. If the file contains more than 80,000 INS segments, it will reject with a text message "No more than 80,000 INS segments can occur in a single 834 file."

Glossary of Terms and Abbreviations

AGNS – AT&T Global Network Services

ASC X12 – ANSI Standards Committee X12 (www.x12.org)

AT&T – American Telephone & Telegraph, network facilitator

eServer – BlueCross BlueShield of South Carolina term for enterprise server or mainframe processor

Firewall – A dedicated gateway machine with special security precautions on it, used to service outside network, especially Internet, connections and dial-in lines. The idea is to protect a cluster of more loosely administered machines hidden behind it from unauthorized access. The typical firewall is an inexpensive microprocessor-based Unix machine with no critical data, with modems and public network ports on it, but just one carefully watched connection back to the rest of the cluster. The special precautions may include threat monitoring, call-back and even a complete iron box keyable to particular incoming IDs or activity patterns. Firewalls often run proxy gateways. (www.hyperdictionary.com/dictionary/firewall+machine)

GDG – Generation Data Group

HIPAA – Health Insurance Portability & Accountability Act of 1996, (Public Law 104-191). Also known as the “Kennedy-Kassebaum” Act.

IG – Implementation guide. See TR3.

MS-DOS – Acronym for Disk Operating System. The term DOS can refer to any operating system, but it is most often used as a shorthand for MS-DOS (**M**icrosoft **D**isk **O**perating **S**ystem). Originally developed by Microsoft for IBM, MS-DOS was the standard operating system for IBM-compatible personal computers. (www.webopedia.com/TERM/D/DOS.html)

NDM – Network Data Mover, also known as (Sterling Commerce) Connect: Direct.

NT – A version of the Windows operating system. Windows NT (New Technology) is a 32-bit operating system that supports preemptive multitasking. (www.webopedia.com/TERM/W/Windows_NT.html)

TCPIP – TCP/IP is composed of two parts: TCP (Transmission Control Protocol) and IP (Internet Protocol). TCP is a connection-oriented protocol that passes its data to IP, which is connectionless. TCP sets up a connection at both ends and guarantees reliable delivery of the full message sent. TCP tests for errors and requests retransmission if necessary, because IP does not. (www.techweb.com/encyclopedia)

TPA – Trading Partner Agreement, a contract between entities exchanging electronic transactions.

TR3 – A Type 3 Technical Report (TR3), also known as implementation guide, addresses one specific business purpose through the implementation of one or more X12 transaction sets. Several TR3s have been mandated under HIPAA.

Appendix

 <p style="font-size: 1.2em; margin: 0;">South Carolina</p> <p style="font-size: 0.8em; margin: 0;"><i>BlueCross BlueShield of South Carolina is an independent licensee of the Blue Cross and Blue Shield Association</i></p>	<p style="font-size: 1.2em; margin: 0;">BlueCross BlueShield of South Carolina EDIG Trading Partner Enrollment Form ASC X12N Transactions</p>
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Date: _____

Action Requested: New Trading Partner ID
 (Check One) Change Cancel

Trading Partner's Name: _____

Trading Partner's ID: _____

Federal Tax ID #: _____

Type of Business: Institutional Health Care Provider Clearinghouse Billing Service
 (Check One) Professional Health Care Provider Health Care Plan
 Retail Pharmacy Pharmacy Benefit Manager
 Software Vendor Other (*indicate*): _____

Line of Business: BlueCross BlueShield of South Carolina Commercial
 (Check One) PGBA, LLC

Start Date: _____ (mm/dd/ccyy) **End Date:** _____ (mm/dd/ccyy)
(Required when canceling an account)

Compression: No Compression PKZIP UNIX
 (Check One)

Protocol: NDM FTP DIALUP ASYNC DIALUP (product) _____
 (Check One) Secure FTP VPN TCPIP via VPN TCPIP via AGNS

Service Address

Address 1: _____

Address 2: _____

City/State/ZIP: _____

Billing Address (If different from the Service Address)

Address 1: _____

Address 2: _____

City/State/ZIP: _____

Primary Business Contact's Information

First/Last Name: _____ **Email:** _____

Telephone: () ____ - ____ ext. ____ **Fax:** () ____ - ____

Primary Technical Contact's Information

First/Last Name: _____ **Email:** _____

Telephone: () ____ - ____ ext. ____ **Fax:** () ____ - ____

After Hours Technical Contact's Information

First/Last Name: _____ **Email:** _____

Telephone: () ____ - ____ ext. ____ **Fax:** () ____ - ____

On-Call Technical Contact's Information

First/Last Name: _____ **Email:** _____

Telephone: () ____ - ____ ext. ____ **Fax:** () ____ - ____

If you are a clearinghouse or software vendor and would like to be added to the Thumbs Up Certified Vendor list on www.SouthCarolinaBlues.com, please provide this information:

Website Address/URL: _____

Salesperson's Name and Telephone #: _____

If you would like to provide additional contact information, please do so here.

Additional Contact Information

1st Additional Contact Information	
First/Last Name: _____	Email: _____
Telephone: () _____ ext. _____	Fax: () _____

2nd Additional Contact Information	
First/Last Name: _____	Email: _____
Telephone: () _____ ext. _____	Fax: () _____

3rd Additional Contact Information	
First/Last Name: _____	Email: _____
Telephone: () _____ ext. _____	Fax: () _____

4th Additional Contact Information	
First/Last Name: _____	Email: _____
Telephone: () _____ ext. _____	Fax: () _____

 <p>South Carolina BlueCross BlueShield of South Carolina is an independent licensee of the Blue Cross and Blue Shield Association</p>	<h2>SFTP/VPN Customer Connectivity Parameter Survey</h2>
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This document is for third parties who want to establish Secure File Transfer (SFTP) or Virtual Private Network (VPN) connectivity to the BlueCross BlueShield of South Carolina EDI Gateway. Complete this form and return it to the BlueCross BlueShield of South Carolina EDI Gateway. All the information you enter on this survey is confidential. If we must return incomplete survey forms or forms containing inaccurate information, it may delay your service implementation.

Customer Business Contact's Name	Phone	Email
Customer Technical Contact's Name	Phone	Email
Customer Company's Name	Phone	Address
		Addr1:
		Addr2:
		City: St: ZIP:

VPN Information

SFTP Information

Encryption Type (Select One): <input type="checkbox"/> AES-256 or <input type="checkbox"/> 3DES	BlueCross BlueShield of South Carolina / PGBA LLC Public IP: 208.60.144.253 PORT 22
Hash Method (Select One): <input type="checkbox"/> MD5 or <input type="checkbox"/> SHA-1	Customer Static Public IP:
BlueCross BlueShield of South Carolina / PGBA LLC VPN Concentrator Public IP: 208.60.145.68	Customer FTP Client Software Used:
BlueCross BlueShield of South Carolina / PGBA LLC Host(s) IP(s) (Protected): 208.60.145.51 PORT 21	
Customer VPN Concentrator Public IP:	
Customer Host(s) IP(s) (Protected):	
Customer IPSEC Device & Version:	

Notes:

1. BlueCross BlueShield of South Carolina EDI Gateway:
 - Uses a Cisco VPN Concentrator
 - Only supports IKE encryption scheme
 - Uses Diffie-Hellman Group 2 (1024 bit)
 - Uses IKE lifetime = 24 hours
 - Accepts SFTP using the SSH2 secure protocol. It does not support PGP encryption. SSH2 Public Key ID is required.
2. Client may use an IPsec compliant VPN Gateway.

 <p>South Carolina <small>BlueCross BlueShield of South Carolina is an independent licensee of the Blue Cross and Blue Shield Association</small></p>	<p>BlueCross BlueShield of South Carolina Commercial TCPIP via VPN Customer Connectivity Parameter Survey</p>
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This document is for third parties who want to establish Real Time Virtual Private Connection (VPN) connectivity to the BlueCross BlueShield of South Carolina EDI Gateway for BlueCross BlueShield of South Carolina Commercial transactions. Complete this form and return it to the BlueCross BlueShield of South Carolina EDI Gateway. All the information you enter on this survey is confidential. If we must return incomplete survey forms or forms containing inaccurate information, it may delay your service implementation.

Customer Business Contact's Name	Phone	Email
Customer Technical Contact's Name	Phone	Email
Customer Company's Name	Phone	Address
		Addr1:
		Addr2:
		City: St: ZIP:

TCPIP via VPN Information

Encryption type (check one box): <input type="checkbox"/> AES-256 or <input type="checkbox"/> 3DES
Hash method (check one box): <input type="checkbox"/> SHA-1 or <input type="checkbox"/> MD5
BlueCross VPN Concentrator Public IP: 208.60.145.68
BlueCross Host(s) IP(s) (Protected): PROD – 208.60.145.49 PORT 3045
BlueCross Host(s) IP(s) (Protected): TEST – 208.60.145.52 PORT 3076
Customer VPN Concentrator Public IP:
Customer Host(s) IP(s) (Protected) for PROD:
Customer Host(s) IP(s) (Protected) for TEST:
Customer IPSEC Device and Version:

Notes:

1. BlueCross BlueShield of South Carolina EDI Gateway:
 - Uses a Cisco VPN Concentrator
 - Only supports IKE encryption scheme
 - Uses Diffie-Hellman Group 2 (1024 bit)
 - Uses IKE lifetime = 24 hours
2. Client may use an IPSec-compliant VPN Gateway.

 PGBA, LLC	<h2>PGBA TCPIP via VPN Customer Connectivity Parameter Survey</h2>
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This document is used to gather information from third parties wishing to establish Real Time Virtual Private Connection (VPN) connectivity to the BlueCross® BlueShield® of South Carolina EDI Gateway for PGBA transactions. This form is to be completed in its entirety by the customer and returned to BlueCross BlueShield of South Carolina EDI Gateway. All information gathered on this survey is confidential. Returning incomplete survey forms or forms containing inaccurate information may result in delayed service implementation.

Customer Business Contact's Name	Phone	Email
Customer Technical Contact's Name	Phone	Email
Customer Company's Name	Phone	Address
		Addr1:
		Addr2:
		City: St: ZIP:

TCPIP via VPN Information

Encryption type (check one box): <input type="checkbox"/> AES-256 or <input type="checkbox"/> 3DES
Hash method (check one box): <input type="checkbox"/> SHA-1 or <input type="checkbox"/> MD5
PGBA VPN Concentrator Public IP: 208.60.147.49
PGBA Host(s) IP(s) (Protected): PROD – 208.83.150.65 PORT 3045
PGBA Host(s) IP(s) (Protected): TEST – 208.83.150.65 PORT 3076
Customer VPN Concentrator Public IP:
Customer Host(s) IP(s) (Protected) for PROD:
Customer Host(s) IP(s) (Protected) for TEST:
Customer IPSEC Device and Version:

NOTES:

1. BlueCross BlueShield of South Carolina EDI Gateway:
 - Uses a Cisco VPN Concentrator.
 - Only supports IKE encryption scheme.
 - Uses Diffie-Hellman Group 2 (1024 bit).
 - Uses IKE lifetime = 24 hours.
2. Client may use an IPsec compliant VPN Gateway.



This document is for third parties who want to establish NDM connectivity to the BlueCross BlueShield of South Carolina EDI Gateway for BlueCross BlueShield of South Carolina Commercial transactions. Complete this form and return it to the BlueCross BlueShield of South Carolina EDI Gateway. All the information you enter on this survey is confidential. If we must return incomplete survey forms or forms containing inaccurate information, it may delay your service implementation.

Customer Business Contact's Name	Phone	Email
Customer Technical Contact's Name	Phone	Email
Customer Company's Name	Phone	Address
		Addr1:
		Addr2:
		City: St: ZIP:

BlueCross Information

Customer Information

NODE Name: SCA.A70NDM.BLUE	NODE Name:
Environment: ZOS	Environment:
IP Address: 206.201.111.180	IP Address:
Port: Port 1366	Port:
Max Parses: 4,2	Max Parses:
User ID/PW: EDIG Operations will provide this information	Destination File Name for Receiving Production Responses:
Input DSN Production X12 Data: BC.HEDI.NDM.INP.CXXXXXX#	
Input DSN Test X12 Data: BC.HEDI.NDM.INP.CXXXXXXQ	Test Responses:
Record Length: 1000	
Record Format: FB (fixed block)	
X12 Format: Segmented	

Note — If the receiving server is a mainframe, provide a GDG name where the responses should be sent. Each response file will go to a new generation with a record length of 6000 bytes.

	<h2>PGBA NDM Customer Connectivity Parameter Survey</h2>
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This document is for third parties who want to establish NDM connectivity to the BlueCross® BlueShield® of South Carolina EDI Gateway for PGBA transactions. Complete this form and return it to the BlueCross BlueShield of South Carolina EDI Gateway. All the information you enter on this survey is confidential. If we must return incomplete survey forms or forms containing inaccurate information, it may delay your service implementation.

Customer Business Contact's Name	Phone	Email
Customer Technical Contact's Name	Phone	Email
Customer Company's Name	Phone	Address
		Addr1:
		Addr2:
		City: St: ZIP:

PGBA Information

Customer Information

NODE Name: SCA.A70NDM.CHAM	NODE Name:
Environment: ZOS	Environment:
IP Address: 206.201.111.180	IP Address:
Port: 1371	Port:
Max Parses: 4,2	Max Parses:
User ID/PW: EDIG Operations will provide this information	Destination File Name for Receiving Production Responses:
Input DSN Production X12 Data: BC.HEDI.NDM.INP.SXXXXXX#	
Input DSN Test X12 Data: BC.HEDI.NDM.INP.SXXXXXXQ	
Record Length: 1000	Test Responses:
Record Format: FB (fixed block)	
X12 Format: Segmented	

Note — If the receiving server is a Mainframe, provide a GDG name where the responses should be sent. Each response file will go to a new generation with a record length of 6000 bytes.