



# **Revenue Performance Assurance Reimbursement Management™**

## **Bridge Routine Development and Reference Guide**

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# Introduction

## Objectives

The purpose of this guide is to provide information about the logic behind custom bridge processing and prepare you to write custom bridge routines. When you have finished with this guide, you should know what a custom bridge routine can and cannot do and how to read, write, modify, and test a bridge routine. We also provide reference to bridge routine building blocks, sample bridge routines, and a section of troubleshooting tips to use when good routines go bad. At the end of this guide, you may not feel comfortable as you sit down and begin creating routines, but you will be able to use the guidelines here to start feeling your way. Comfort comes with experience.

## Background

Bridging takes the data submitted to this product in your claim submission file, processes it, and places it in the database. Bridge processing alone does not change the data in your claim submission file. However, as a claim is bridged into the database, your custom bridge routine rules can be used to compensate for differences between what your hospital information system (HIS) puts out and the data that the product and the payer require. After the data has been customized by your custom bridge routines, it is stored in the database.

The main purpose of a bridge routine is to reduce the amount of work required to get a clean claim to its payer. As a simple example of what a bridge routine does, consider what happens when your HIS always drops a string like 0089 and the payer requires that the leading zeros be stripped off. Without a custom bridge routine, the leading zeros must be manually stripped from every claim. With a custom bridge routine in place, the leading zeros can be stripped off as each claim is stored in the database.

Bridge routines are the building blocks of bridge customization. They are always under your control. Even if you don't actually write the bridge routine, it is put into use only after your written approval that it does what you want it to do. If you write your own bridge routines, you know exactly what happens to your data as it is bridged into the database.

Each bridge routine does one thing. Bridging in a claim form may use only a few custom bridge routines or it may require many. Part of your implementation process was the analysis of your claim files and the creation of bridge routines to reduce the number of errors on claims and thus to reduce the work it takes to get a claim ready to go to the payer.

When you take charge of creating your own bridge routines, you gain a faster turn-around time and save money. We recommend that a single person at your site be designated the 'Bridge Routine Guru.' That person should be familiar with your claims and with simple scripting. With a little practice and time, your bridge routine guru should be able to create just about any bridge routine you need.

Don't forget: You can still request custom bridge routines from the Change Healthcare customization team - all of them or just the tough ones!

## What is a Bridge Routine?

A bridge routine can be defined as a script that manipulates claim data during the import process. Most custom bridge routines are stored in a file that has a .307 extension. Hence the sometimes-heard name '307 routines'. Other files that contain bridge routines have similar extensions: .273, .327, and .328. Not all sites use all bridge routine files, but most sites use at least the .307 file.

### Use

Bridge routines are primarily used during the processing of submitted claim data into the database. Requests can vary: Discard claims, combine service lines, copy data from field to field, or create facility-specific flags that hold claims for biller intervention.

### Terminology

As with any scripting language there are many different terms that you will learn as you go. All bridge routines must begin with a /LABEL statement and will have /SELECT, /SET\_OCC, and/or /FUNC statements as well. Success at translating a claim processing need into a bridge routine that gets the job done depends on how well you understand the bridge routine terminologies. The scripting terms and syntax of bridge routines are covered beginning on page 12.

- **Bridge key** - The string assigned in the *Bridge Master* to identify the bridge process for a specific claim submission file. The filename for a .307 file is B\$ClientIDBridgekey.307. Most clients have a .307 file for each type of claim submission file used at their site.

- **Field Name** - Field names in bridge routines are abbreviated field names. Determine the abbreviated name of any claim field by opening the claim and clicking in the field. A line displays in the lower left corner of the page:

*Static field:* Patient\_LastName (10282, P\_LNAME)

*Recurring Field:* Payer\_Name 1 (10422, TP\_PAYER)

*This line contains:* [expanded field name] [Index] ([field ID], [abbreviated field name]). Bridge routines use the abbreviated field name.

- **Static Field** - Any claim field that appears only once on the claim. Patient name and provider information are examples of static fields.
- **Recurring Field** - A field that can have many records on a claim. Service lines and payer information are examples of recurring fields.
- **Occurrence** - The index of a specific field in the database. All static fields have an occurrence of 0. For recurring fields, the occurrence of the first is 0, the second is 1, etc.

## Basic Bridge Routine Logic

Claims are processed into the claim database on a claim-by-claim basis. The current claim is completely processed and stored before the next claim is started. During claim processing, the file of bridge routines is called, all bridge routines in the file are run

against the claim, the claim is edited against payer requirements, and all the resulting data is stored in the database.

A bridge routine begins its life when called upon by bridge processing. Think of it as sleeping safely in a warm bed with no cares in the world:

```
#Throw away Indiana Medicaid claims BLH 10/21/2009
/LABEL=1
/SELECT=COMPARE(P_STATE,EQ,IN)
/SELECT=LOB(MEDICAID)
/FUNC=DISCARD()
```

At some point the alarm goes off and our bridge routine springs into action. The first thing a bridge routine does is this:

## # - Comments for people

A # is nothing more than a comment. The # tells the bridge routine to ignore anything on this line and continue on to the next line. This is your freebie place to write a note about what the routine is doing. You can have as many comment lines as necessary to document your bridge routine, just begin each one with a #.

## Labels

*/LABEL= - Here's the beginning of a bridge routine.*

The /LABEL= statement is the beginning of a bridge routine. It is used as an identifier to both humans and computer. We assign each /LABEL= a unique identifier primarily for our use. A bridge routine file is read from beginning to end. If you decide to place /LABEL=99 before /LABEL=1 in your file, /LABEL=99 is still used first because it is first in the file.

Bridge routine processing treats anything after the /LABEL= statement as its mission in life. When processing has reached the end of the bridge routine, it moves to the next line in the bridge routine file and works its way through the file. When all bridge routines have run against the claim, the payer edit checks run and the claim data is written into the database.

### Best Practices for bridge routine creation:

- Before changing the bridge routine file, make a rescue copy of it. If you have trouble with your new routine, you can check in the original version of the file so claims can be processed while you are solving the problem.
- Use comment lines to provide a history: a clear description of the purpose of the routine along with your name and the date. You may also want to include the name of the person requesting the routine and the issue tracking number, if there is one.
- There is no way to jump around in bridge routine files. Ensure that routines that throw away claims, change important data, and change data that will be used by another routine are at the beginning of the file.

- To make them easier to find, place related routines together. For instance, you might place all routines that run on Medicare claims together or you might organize by putting routines that affect revenue codes together.

## Introduction to Commands

Here is a list of common bridge routine commands:

### **/SELECT=COMPARE( )**

Used to examine (compare) a static field for a specific string. Remember, static fields are fields in which there is only one record such as a patient name.

### **/SELECT=ANY( )**

Used to compare recurring fields for a match of the specific string. Search stops on the first match and processes the rest of the routine without searching for any other matches. Remember, recurring fields can have multiple occurrences in the same claim.

### **/SET\_OCC=ALL( )**

Used to compare and remember all occurrences of a recurring field if it matches the specified string. The remainder of the bridge routine will process on each field that matched.

### **/FUNC=SET( )**

Used to put specific data in a field. Should be used with at least one /SELECT=COMPARE statement.

### **/FUNC=CALC( )**

Used to perform calculations between fields. You can add (+), subtract (-), multiply (\*), and divide (/).

## Limitations

As with all good things you must realize that there are some limitations with bridge routines.

### ***A bridge routine has a very small field of vision***

It thinks that the claim it is working with is the whole universe. A bridge routine is not aware that it has finished reading in a claim nor does it realize it has more claims waiting. Think of it as customization amnesia.

### ***Typos are not appreciated***

You will soon find out that typos are not well-received in a bridge routine. Processing complains vigorously when a typo is encountered - one complaint for every claim.

### ***What? No if, then, else logic?***

Sorry, routines are very simplistic - only one action per routine. A routine can look and say 'For every field that contains xxxxx, do something.' It cannot look and say 'If this is present then do this or else do this.' You will need multiple routines.

## A Simple Bridge Routine

The following scenario illustrates how a simple bridge routine solves a given problem.

**Problem:** All UB Medicare claims need to have 18 (Self) in Patient Relation to Insured. But the file created on you're his does not include this data.

**Solution:** In the bridge routine file you must create a bridge routine that will perform the above. Here is one way you could accomplish this task:

```
# SET TP_REL TO 18 FOR MEDICARE BLH 10/20/2000
/LABEL=07
/SET_OCC=ALL(TP_PAYER,EQ,MEDICARE,8)
/FUNC=SET(TP_REL,18)
```

(Section 0 contains detailed information about the commands, functions, arguments, and operations that can be used in a bridge routine.)

## Reading a Bridge Routine File

This section will show you how to decipher an existing bridge routine file. Because there is nothing like the real thing when you are learning, use *Maintenance, System Administration, Bridge Routines* to open any .307 file from your site and follow along as you are reading this section.

### [header]

Each bridge routine file contains a header. This information identifies what type of command file it is, when it was created, for which facility it was created, and who created it. Here is an example header: Notice that every line of the header is a comment line (begins with #).

```
#=====
# B$99991111.307 (Bridge key is 1111)
# Memorial Hospital
# CID: 9999
# Created by Barb Hyde, Change Healthcare
#=====
```

The bridge routines begin after the header. Bridge routines in the any bridge routine file are processed from first to last. Usually the first routines discard/unprocess claims. They throw away the claims you don't need without any further processing. Other routines that should be placed early in the file are routines that change the payer name or LOB and routines that change the Provider Number. Because other bridge routines rely on the payer name or LOB, you want these items set correctly before the rest of the routines run.

Take a look at a couple of sample routines here and then in your open .307 file.

## Sample 1

```
# Per telephone conversation with John Smith, Indiana Medicaid will be
excluded
# from bill production [Developer name and date]
/LABEL=1
/SELECT=COMPARE(P_STATE,EQ,IN)
/SELECT=LOB(MEDICAID)
/FUNC=DISCARD()
```

This routine is doing the following:

Step 1: Is the patient's state Indiana? If yes, then go to step 2. (If no, look for the next /LABEL.)

Step 2: Is the claim Medicaid? If yes, then go to step 3. (If no, look for the next /LABEL.)

Step 3: Get rid of it. (There are no other steps in this routine, so processing searches for the next /LABEL.)

## Sample 2

```
# SET PROVIDER SIGNATURE TO Y FOR MEDICARE
/LABEL=11
/SELECT=LOB(MEDICARE)
/FUNC=SET(PROVSIG,Y)
```

This routine is doing the following:

Step 1: Is this a Medicare claim? If yes, then go to step 2. (If no, look for the next /LABEL.)

Step 2: Place a **Y** in the **Provider Signature** field. (There are no other steps in this routine, so processing searches for the next /LABEL.)

## Writing a Simple Bridge Routine

1. **Investigate the need.** Take a careful look at what needs to be corrected. Do all of the claims need the bridge routine or just some of them? Which ones? Can you separate them from the rest of the group by a piece of data?
2. **Write a simple requirement statement**, if necessary. Include the fields you will need to examine for data, the fields you want to change, and the change you want to make. Break the changes out into separate statements for each change.  
*Tip: Use the Claim Display (CFI) to locate the field names you need.*
3. **Locate the correct .307 file.** There is one .307 file for each claim form your site submits. If you submit both 1500s and UBs, you will have at least two .307 files. To determine the file you need:
  - Open the Bridge Master from Maintenance, Master Setup, Bridge.
  - In the Bridges list, click on the bridge for the claim form.



- The first field on the right is the Bridge Key. Jot it down.
  - Now open Bridge Routines from Maintenance, System Administration menu.
  - Look for the bridge key in the .307 filenames. (ClientIDBridgeKey.307)
  - Save the file to a location on your local computer.
4. **Create a test submission file.** Testing your bridge routine requires submitting claims. If you work with a known test submission file, you can test without affecting live claims. The easiest way to get a test file is to cut down a real submission file and edit its data. The test file should contain:
- Some claims that meet the selection requirements.
  - Copies of those claims with the patient names changed and the target data changed so they will not meet the selection requirements.
  - Random claims that do not meet the requirements. Especially Type of Bill, LOB, etc.
5. **Write your bridge routine.** You can write it in Notepad or any editor.
- Start with a # comment
  - Next comes the /LABEL=.
  - Follow with the /commands that examine the claim to determine if it meets your criteria.
  - Last, the /commands that manipulate the data
- NOTE:** Bridge Routine Maintenance is the portal into the version control system in which your bridge routine files are stored. Because of the version control system, the response of this page is slower than most product pages. Each time you perform an action, you **MUST WAIT** until the page redraws itself before proceeding to the next action or attempting to leave the page. Failure to do so will require a reset by Support.
6. **Check out the bridge routine file.** From *Bridge Routines*. When you click *Checkout*, you are given the opportunity to save the file. Save the file to your local computer. All site files are under version control. When you check out a file, no one else can make changes to it while you are working. (Processing does not stop while you have the file checked out. The original file is still in place and will be used while you are working on your changes. If someone submits claims that use this bridge routine file, the claims will be processed into the database using the bridge routines in the original file.)
7. **Open the bridge routine file and paste your bridge routine into it.** Check your label to be sure it does not already exist in the file. Save the file.
8. **Check in the bridge routine file.** In *Bridge Routines*, click *Checkin*. Enter a short note telling what you have added. When you check in a file, it replaces the original file. The changes and the note you created are stored in the version control system. As soon as the file is checked in, all processes begin using it. This is why we recommend checking in a file for testing during time when no claims are being submitted to the database.

9. **Test your bridge routine.** If the bridge routine does not work as expected or some other bridge routine has problems, the first place to look for error messages is the Bridge Log (View *Bridge Logs* on the *Reports* menu). As part of its logging, bridge will report many bridge routine errors in the log.

#### Tips:

- Get away from distractions. Put your phone on busy, put crime scene tape across your door, or pay your co-workers to stay away – just do whatever it takes to have as few interruptions as possible.
- Before you begin to write, search through the bridge routine file for any other routines using the field or fields you are going to use. See if those bridge routines are going to conflict or affect your new routine. Search for the Field Name.
- Use a similar bridge routine as a pattern.
- Where possible, copy and paste field names and commands. This reduces typos.
- If what you need to do requires several bridge routines (/LABEL=), each bridge routine must be complete. Bridge routines cannot use the comparison from another bridge routine. You will need to compare for the same thing at the beginning of each bridge routine.

## Testing a Bridge Routine

Bridge routines are written to solve problems. Therefore part of testing must be to ensure that your routine actually solves its own problem and that it does not cause other problems for other routines. To do a good job of testing, you will need to manipulate the data in your test submission file and repeatedly submit it to test how your routine functions. **When you are finished testing, don't forget to delete all the test claims!**

### Bridge Log

Your primary debugging tool is the Bridge Log on the reports menu. The bridge log contains log entries for all aspects of every bridge job. Among those entries will be errors for many kinds of bridge routine errors. Bridge routine error messages contain the filename, line number, and a description of the error:

- Error in B\$G001599999.307 at line #52. Invalid field name: TOT\_CHRG
- Error in B\$G001599999.307 at line #1003. Line is too long and has been truncated.
- Error in B\$G001599999.307 at line #1006. Invalid length: 54321
- Error in B\$G001599999.307 at line #1001. Invalid Index Syntax in line:  
/SELECT=COMPARE(TP\_CERT[1],EQ,123456789)

**Note:** Testing requires a test cycle: check in, test, checkout, fix, check in, etc. Because of this cycle, *before you begin testing, ensure no one is submitting claims for the named in the bridge routine filename.* You do not want live claims to be processed by the bridge routines in the file until you have finished testing.

## Suggested Test Cycle

- Establish your test baseline. Before you check in the changed bridge routine file, submit the test file. Note which claims are accepted and which contain errors. Write down the number of errors for each claim.
- Review the bridge routine file for other routines that use the field you are changing. You will need to be sure these routines still work correctly.
- Check in the changed bridge routine file and submit the test file again. Use View/Modify Claims to verify if your routine is working as expected.
- Verify that your bridge routine does not affect any claims it shouldn't. This is why your submission file must contain a variety of claims.
- Whenever any bridge routine does not work as expected, check the Bridge Log. Bridge logging records many bridge routine errors.
- When developing a set of routines to do a job, test after each routine to see if the process is working the way you intended. Nothing is worse than spending hours writing multiple routines that must work together only to have a typo buried in the third routine - you have to troubleshoot all of the routines instead of just one.
- Throughout the test, submit the test file, check its claims, and then delete the claims. This reduces the possibility that editing will work the test claims to acceptance and possibly release them. (If you need to see the claims later, you can undelete them.)
- Check to ensure that the other routines that use the field you are manipulating still work.
- Don't panic. If your routine is not working, or if you can't figure out how to write something, put the original bridge routine file back in place and then take a break. Usually a solution will come to you after a few minutes of doing something else.

## When it Just Doesn't Work

### Common Mistakes

- Typos - Use cut and paste of commands and field names to reduce typos.
- Misused syntax - If there doesn't appear to be any typos, check Section 0 for syntax and usage rules.
- Not testing - Big Mistake! You will only do this once

The Bridge log will show you most of these errors. However, if you've done everything you can think of, the bridge log shows no errors, and your routine still does not work, try these steps:

- Ask someone else to look at your routine. Sometimes a second set of eyes can find something you can't see.
- Check to see if your new routine is being altered or affected by another routine. The other routine might be earlier or later in the file. Search for the Field Name.
- If your routine changes data, run a Claim Changes History Report on the test claims to see if any data changes occurred.

- Comment out everything in the bridge routine file except your new routine and submit your claims.
- If the new routine doesn't work when it is the only routine in the file, the problem is definitely in the new routine itself. You may need to comment out individual lines and test.
- When the routine works, restore the rest of the routines, testing between each restoration. (See why a fail-safe version of the bridge routine file is a must?)

Customer Support is familiar with the syntax of bridge routines and may be able to answer basic questions for you. Please keep in mind that specific answers to your questions may be billable at the standard published support rates for your individual facility.

## Restoring a Bridge Routine File

If you have checked in a changed bridge routine file and need to take a break, you will need to restore the original bridge routine file so claims can be submitted. This is another place where your copy of the original is required.

1. Rename the file on which you are working.
2. Rename the original back to its original name.
3. Check in the original.

When you are ready to start again:

1. Check out the original file and rename it to safe name.
2. Rename your work file to the correct original name.

## Bridge Routine Reference

Custom bridge routines are specific to a single site. They are named for the file in which they are stored - the B\$<key>.307 file. Bridge routines are written in a simple custom scripting language. The bridge routine scripting language is, in turn, read and processed by the bridge process.

The purpose of bridge routines is to customize the standard bridge processing to close the gaps between what your information system can produce and what is required by this product and the payer. The goal of bridge routines is to reduce the amount of manual labor needed to bill patient claims as cleanly and efficiently as possible.

This section provides reference to the commands and syntax of the scripting language used to write bridge routines. It contains all of the available commands, functions, and operators. As new commands are added to the bridge routine scripting, they will be added to this section.

## Valid Syntax

- Comment lines in a bridge routine begin with the pound or sharp sign (#).
- Executable lines begin with a forward slash (/).

- Bridge routines use the abbreviated field names. You can find this information by opening a claim and clicking in the field. A line displays in the lower left corner of the browser window. Example displays:

Static field: Patient\_LastName (10282, P\_LNAME)

This line contains the expanded field name (Patient\_LastName), the field ID (10282), and the abbreviated field name (P\_LNAME).

Recurring Field: Payer\_Name 1 (10422, TP\_PAYER)

This line contains the expanded field name (Payer\_Name), the index value for the recurrence (1), field ID (10422), and the abbreviated field name (TP\_PAYER).

## Valid Commands

Commands begin a bridge routine line.

Command	Detail
/BANK=	<p><b>Designates the beginning of a list of values to be entered into a "bank" for later use.</b> "Banks" must be defined prior to using them. You cannot exceed 25 lines per bank, or 256 characters per line. You can define up to 300 different bank names in a .307 file. If you need more than 300, you can re-use the same bank name(s) as many times as you want.</p> <p>/BANK=PROC_CODES 0870,0886,0887,0889,1311,132,1319,133, 1341-1343,1351,1359,1361-1363,1369</p>
/FUNC=	<p><b>Function (command) to run.</b> (Options and arguments used with /FUNC are defined later in this section.)</p> <p>/FUNC=SET(RELTRANS,N) /FUNC=ADDERR(RELTRANS,RELTRANSQ)</p>
/LABEL=	<p><b>Designates the beginning of a new bridge routine.</b> Label is usually a number. It must be unique in the file.</p> <p>/LABEL=1</p>

Command	Detail
/MSG=	<p><b>Designates the beginning of an error message to be defined for later use by the ADDERR function.</b> Messages must be defined prior to using them and must be less than 70 characters per line, and no more than 25 lines per message. Pre-defining messages with /MSG is only necessary for multiple-line messages, since a single-line message can be passed directly into the ADDERR function. You cannot define more than 25 different message names in a 307 file, however you can re-use the same message name(s) as many times as you want.</p> <p>Example: Names and defines the message:</p> <pre>/MSG=RELTRANSQ       Review service line charges for medical necessity compliance,       and make adjustments to diagnosis when approved by       physician</pre> <p>Another routine sets <b>RELTRANS</b> to <b>Q</b> and places that message on the RELTRANS field:</p> <pre>/LABEL=23 /FUNC=SET(RELTRANS,Q) /FUNC=ADDERR(RELTRANS,RELTRANSQ)</pre>
/OMIT=	<p><b>Do not continue running the bridge routine if the condition exists.</b> (Opposite of /SELECT=)</p> <pre>/OMIT=LOB(MEDICARE)</pre>
/SELECT=	<p><b>Selection criteria</b> - continue running the command if the condition exists.</p> <pre>/SELECT=TOB(OUTPATIENT) /SELECT=COMPARE(PRNPCODE,INBANK,PROC_CODES,4) /SELECT=ANY(SL_RCODE,EQ,100-219,3)</pre>
/SET_OCC=	<p><b>Determine which occurrences of a reoccurring data record are to be set</b> (Uses "ALL" or "ANY").</p> <pre>/SET_OCC=ALL(SL_RCODE,EQ,310,3)</pre>
/VAR1= /VAR2= /VAR3=	<p><b>Temporary storage variables.</b></p>

## Valid Operators

Operators act on field data. Some operators examine the data, others change the data. Operators are used with many commands and options. Many operators in this table have more than one recognized form. In these cases, the recognized forms are

separated by commas: EQ, = . When writing a bridge routine you may use either EQ or =:

```
/SELECT=ANY(SL_RCODE,EQ,100-219,3)
```

```
/SELECT=ANY(SL_RCODE,=,100-219,3)
```

Operator	Detail
<b>ADD, PLUS, +</b>	Add values of named fields
<b>CONTAINS</b>	String contains. Do not specify wildcards, lists, or ranges. Examples: /SELECT=compare(P_CNTRL,CONTAINS,"999") Continue only if "999" appears anywhere within the patient control number. /SET_OCC=all(SL_DESC,CONTAINS,"LAB") Select all charges with "LAB" appearing anywhere within the description.
<b>DATE_EQ</b>	Date equal to
<b>DATE_GE</b>	Date greater than or equal to
<b>DATE_GT</b>	Date greater than
<b>DATE_LE</b>	Date less than or equal to
<b>DATE_LT</b>	Date less than
<b>DIVIDE, DIVIDED BY, /</b>	Divide first value by second value. /FUNC=CALC(OTHAMTPD,DIVIDE,100,OTHAMTPD)
<b>EQ, =</b>	Equal to
<b>GE, &gt;=</b>	Greater than or equal to
<b>GT, &gt;</b>	Greater than
<b>INBANK</b>	Is value in the named bank?

Operator	Detail
<b>[IndexName]</b>	<p>Refers to the appropriate index value of the named reoccurring field. This value is usually a number. Examples:</p> <p>SL_RATE[0] is the first occurrence SL_RATE[1] is the second occurrence</p> <p>For Payer fields, you can use the actual <b>IndexName</b>. Examples:</p> <p>PRIMARY means Index 0 SECONDARY means Index 1 TERTIARY means Index 2</p> <p>ACTIVE means current payer index (based on PAYERIND)</p> <p>The index value displays as part of the field information line in the lower left of the browser window when hovering over a claim field.</p> <p>Example display: ServiceLine_Date 3 (23052, SL_DATE)</p> <p>In this example, the index value is 3. It is the third occurrence of the field. When translating the displayed index value to IndexName, subtract one from the displayed value. The IndexName value for this occurrence is 2.</p>
<b>INRANGE</b>	Is value in the named range (i.e. 100- 219)?
<b>LE, &lt;=</b>	Less than or equal to
<b>LT, &lt;</b>	Less than
<b>MULTIPLY, TIMES, *</b>	Multiply values
<b>NE, !=</b>	Not equal to
<b>NUM_EQ</b>	Number equal to
<b>NUM_GE</b>	Number greater than or equal to
<b>NUM LE</b>	Number less than or equal to
<b>STR_EQ</b>	String equal to
<b>SUBTRACT, -, MINUS</b>	<p>Subtract first value from second value</p> <p>/FUNC=CALC(TOT_CHRG, -, C_VAMT, TP_DUEA)</p>

## /SELECT, /OMIT, and /SET\_OCC Functions

Options in this table can be used with /SELECT, /OMIT, and /SET\_OCC commands, except as noted. (Examples use /SELECT.)

Starting with the 7.2 release, these listed money fields support a value of 0.00 as the dollar amount:

- C\_VAMT
- TOT\_AMT
- SL\_TOT
- P\_AMTPD



- P\_ESTA
- TP\_PATRESPAMT
- TP\_DUEA
- TP\_PRIA
- T\_AMTPD
- SL\_CHG
- SL\_PATLIABAMT
- SLA\_PAYAMT
- SLB\_PAYAMT

Also with the 7.2 release, the recommended practice for writing routines is to use the new BLANK\_0 keyword. Use BLANK\_0 with functions to check for entries that are blank, 0, or 0.00. The pre-existing BLANK keyword now only targets a true empty value.

Function	Detail
<b>ALL</b>	<p><b>Are all occurrence of field equal to given value?</b></p> <p>Syntax: ALL(field name, operator, value, length)</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> <li>2. operator - see list of valid operators in previous section</li> <li>3. value - value to compare</li> <li>4. length - length of comparison</li> </ol> <p>Example: /SET_OCC=all(tp_plan,eq,100-101,3)</p> <p><i>Notice that ranges use a dash.</i></p>
<b>ANY</b>	<p><b>Is any occurrence of field equal to given value?</b></p> <p>Syntax: ANY(field name, operator, value, length )</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> <li>2. operator - see list of valid operators in previous section</li> <li>3. value - value to compare</li> <li>4. length - length of comparison</li> </ol> <p>Example: /SELECT=ANY(SL_RCODE,EQ,300,3)</p>
<b>ANYDIAG</b>	<p><b>Is any diagnosis code equal to given value?</b></p> <p>With 5.3, this has been updated to read BANKs. ANYDIAG/ANYPROC will continue if any item in the bank matches. With 7.2, this function no longer requires the length specified as the last argument.</p> <p>Syntax: ANYDIAG(value, length) or ANYDIAG(INBANK, bankname)</p> <ol style="list-style-type: none"> <li>1. Value – value or range of diagnosis codes to compare</li> <li>2. Length – number of places to compare [optional with 7.2]</li> </ol> <p>Examples: /SELECT=anydiag(E,1)</p> <p style="text-align: center;">/SELECT=ANYDIAG("V761,V7610-V7612,V7619",4)</p>

Function	Detail
	<p>Note: Looks at principal, other, and admitting codes. Notice that the list of values uses quotes to group the parameter values together.</p> <pre> /LABEL=TEST /SELECT=ANYDIAG(INBANK, TESTBANK) /FUNC=SET(HOLDCODE, TEST) </pre>
<b>ANYDUPS</b>	<p><b>Do occurrences of field(s) match the given criteria?</b></p> <p>Usage: Can be used to identify duplicates or other special matching criteria, for reoccurring records such as charge lines, value codes, etc. This function may be used with /SELECT to look for any match, or with /SET_OCC to perform an action on the matching occurrences.</p> <p>Syntax: ANYDUPS(field, operator, value, field, operator, value, ... )</p> <ol style="list-style-type: none"> <li>Field: valid field ID</li> <li>Operator - see list of valid operators in this guide, or use special operators: <ol style="list-style-type: none"> <li><b>MATCH:</b> field values must be identical for both occurrences, and also match the specified value (or use with value "?" to find any duplicate field values)</li> <li><b>ONEEQ:</b> field value for only one occurrence must match the specified value (both occurrences cannot match the value)</li> <li>Other operators (<b>EQ</b>, <b>INBANK</b>, <b>CONTAINS</b>, etc.): field value for both occurrences must match the specified value.</li> </ol> </li> <li>Value - value or range to compare</li> </ol> <p>Example 1: # Check if duplicate value codes exist</p> <pre> /SELECT=ANYDUPS(c_vcode,match,?) </pre> <p>Example 2: # Matching rev codes (219-999), hcpcs, and date will get flagged with a custom error</p> <pre> /SET_OCC=ANYDUPS(s1_rcode,match,219-999,s1_hcpcs, match,?,s1_date,match,?) /FUNC=ADDERR( s1_rcode,"DUPLICATE CHARGE") </pre> <p>Example 3: # Rev code does not have to match, as long as it is in the range 300-310. Hcpcs and date must match.</p> <pre> /SELECT=ANYDUPS(s1_rcode,eq,300-310,s1_hcpcs,match, 80000- 89999,s1_date,match,?) </pre> <p>Example 4: # Look for a hcpcs Q0081 that has the same date as a hcpcs 90780-90799 (does not find duplicate Q0081 or 90780-90799)</p> <pre> /SELECT=ANYDUPS(s1_hcpcs,oneeq,Q0081,s1_hcpcs,oneeq, 90780-90799,s1_date,match,?) </pre>

Function	Detail
<b>ANYPROC</b>	<p><b>Is any UB procedure code equal to given value?</b></p> <p>With 5.3, this has been updated to read BANKs. ANYDIAG/ANYPROC will continue if any item in the bank matches. With 7.2, this function no longer requires the length specified as the last argument.</p> <p>Syntax: ANYPROC(value,length) or ANYPROC(INBANK,bankname)</p> <ol style="list-style-type: none"> <li>1. value - value or range to compare</li> <li>2. length - length of comparison [optional with 7.2 release]</li> </ol> <p>Examples:</p> <pre>/SELECT=ANYPROC(9900-9999,4) /LABEL=TEST /SELECT=ANYPROC(INBANK,TESTBANK) /FUNC=SET(HOLDCODE,TEST)</pre>
<b>COMPARE</b>	<p><b>Used to compare contents of named file with value named in the arguments.</b></p> <p>Usage: Use on static or first occurrence of a recurring data field. <i>Do not use with /SET_OCC</i></p> <p>Syntax: COMPARE( field name, operator, value, length )</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> <li>2. operator - see list of valid operators above</li> <li>3. value - any value or field ID, including BANK</li> <li>4. length - length of comparison</li> </ol> <p>Examples:</p> <pre>/SELECT=COMPARE(MCAID_NO,STR_EQ,H70090455,9) /SELECT=COMPARE(C_VCODE,INRANGE,01- 10,2) /SELECT=COMPARE(PRNPCODE,INBANK,PROC_BANK,5) /SELECT=COMPARE(STM_FDAT,DATE_EQ,STM_TDAT)</pre>
<b>DUPKEY</b>	<p><b>Compare parameters with previous claim to determine if this is a duplicate claim.</b></p> <p>Syntax: DUPKEY( field name, ..., ... )</p> <p>Parameters: List field ID's that make a unique claim key</p> <p>Example 1: /SELECT=DUPKEY(p_cntrl)</p> <p>Example 2: /SELECT=DUPKEY(p_cntrl,p_lname,p_fname,p_mi)</p>
<b>EMAST</b>	<p><b>Electronic Carrier master used on this claim.</b></p> <p>Usage: <i>Do not use with /SET_OCC</i></p> <p>Syntax: EMAST( carrier, carrier, carrier, ... )</p> <p>Arguments: Any valid electronic carrier master</p> <p>Example: /SELECT=EMAST(HE_X000)</p>
<b>EMPTY</b>	<p><b>Is field empty?</b></p> <p>Usage: <i>Do not use with /SET_OCC</i></p>

Function	Detail
	<p>Syntax: EMPTY( field name, field name, ... )</p> <p>Arguments: Any valid field name</p> <p>Example: /SELECT=EMPTY(PRNPCODE,OTH1PCOD,OTH2PCOD )</p>
<b>FIND</b>	<p><b>Is any occurrence of field equal to given value?</b></p> <p>Syntax: FIND (field name, operator, value, length)</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> <li>2. operator - see list of valid operators above</li> <li>3. value - value to compare</li> <li>4. length - length of comparison</li> </ol> <p>Example: /SELECT=find(s1_rcode,eq,300,3)</p> <p>Notes: Same as /SELECT=any, except allows a reoccurring field to be assigned to a static field:</p> <p style="padding-left: 40px;">/SELECT=FIND(c_occ,eq,A1,2)</p> <p style="padding-left: 40px;">/FUNC=SET(p_bday,c_ocdat)</p> <p>The above does not work using /SELECT=any because the first index of c_ocdat is assumed when assigning to p_bday, whereas /SELECT=find causes the appropriate occurrence code index to be used.</p>
<b>LOB</b>	<p><b>Line of Business to which this command applies.</b></p> <p>Usage: <i>Do not use with /SET_OCC</i></p> <p>Syntax: LOB( line of business, line of business, ... )</p> <p>Arguments: medicare, mcare, mc, medicaid, mcaid, md, bcbs, blue, bc, champus, champ, commercial, comm, any other payer (aetna, prudential, ... )</p> <p>Example: /SELECT=LOB(MEDICARE,MEDICAID)</p>
<b>PAPER</b>	<p><b>Is this a paper claim?</b></p> <p>Usage: <i>Do not use with /SET_OCC</i></p> <p>Syntax: PAPER()</p> <p>Arguments: None</p> <p>Example: /SELECT=PAPER()</p>
<b>REFAE</b>	<p><b>Get the Referring Physician name (L, F, M).</b></p> <p>Note: <i>REF_ID must be present on the claim.</i></p> <p>Syntax: REFAE()</p> <p>Arguments: None</p> <p>Example: /SELECT=REFAE()</p>
<b>SAMEDAY</b>	<p><b>Are the two dates the same?</b></p> <p>Usage: <i>Do not use with /SET_OCC</i></p> <p>Syntax: SAMEDAY( field name, field name ).</p> <ol style="list-style-type: none"> <li>1. field name – valid date field</li> <li>2. field name - valid date field</li> </ol> <p>Example: /SELECT=SAMEDAY(STM_FDAT,STM_TDAT)</p>

Function	Detail
<b>SUMM_GE</b>	<p><b>Is the sum of all occurrences of the field greater than or equal to the named value?</b></p> <p>Usage: Use on recurring numeric data fields. <i>Do not use with /SET_OCC.</i></p> <p>Syntax: SUM_GE( field to sum, range field, range, value )</p> <ol style="list-style-type: none"> <li>1. field to sum - any reoccurring numeric field</li> <li>2. range field - field to check against range</li> <li>3. range - range of values to check</li> <li>4. value - value to check sum of fields against</li> </ol> <p>Example: /SELECT=SUMM_GE(SL_TOT,SL_RCODE,100-219,3000.00)</p>
<b>SUMM_LE</b>	<p><b>Is the sum of all occurrences of the field less than or equal to the given value?</b></p> <p>Usage: Use on reoccurring numeric data fields. <i>Do not use with /SET_OCC.</i></p> <p>Syntax: SUM_LE( field to sum, range field, range, value )</p> <ol style="list-style-type: none"> <li>1. field to sum - any reoccurring numeric field</li> <li>2. range field - field to check against range</li> <li>3. range - range of values to check</li> <li>4. value - value to check sum of fields against</li> </ol> <p>Example: /SELECT=SUMM_LE(SL_TOT,SL_RCODE,100-219,3000.00)</p>
<b>TOB</b>	<p><b>Type of Bill to which this command applies.</b></p> <p>Usage: <i>Do not use with /SET_OCC.</i></p> <p>Syntax: TOB( type of bill, type of bill, ... )</p> <p>Arguments: inpatient, inp, outpatient, out, 131, 11?, etc.</p> <p>Example: /SELECT=TOB(13?,83?)</p>

## /VAR Functions

Options in this table can be used with any /VAR1, /VAR2, and /VAR3 command as well as with /SELECT, /OMIT, and /SET\_OCC commands.

Function	Detail
<b>add</b>	<p><b>Returns the sum of two numbers</b></p> <p>Usage: Can be used with any field whose value is a number</p> <p>Syntax: add( value1, value2)</p> <ol style="list-style-type: none"> <li>1. value1 – field that contains a number or any number</li> <li>2. value2 – field that contains a number or any number</li> </ol> <p>Example: /VAR1=add( P_COVD, P_NCD )</p>
<b>days</b>	<p><b>Returns the number of days between two dates</b></p> <p>Usage: UB only. Do not use with /SET_OCC</p> <p>Syntax: days( field name, field name )</p> <ol style="list-style-type: none"> <li>1. field name - valid date field</li> <li>2. field name - valid date field</li> </ol>

Function	Detail
	Example: /VAR1=days(STM_FDAT,STM_TDAT)
<b>divide</b>	<b>Returns the quotient of two numbers</b> Usage: Can be used with any field whose value is a number Syntax: divide( value1, value2) 1. value1 – field that contains a number or any number 2. value1 – field that contains a number or any number Example: /VAR1=divide(TOT_AMT,2)
<b>multiply</b>	<b>Returns the product of two numbers</b> Usage: Can be used with any field whose value is a number Syntax: multiply( value1, value2) 1. value1 – field that contains a number or any number 2. value1 – field that contains a number or any number Example: /VAR1=multiply(SL_RATE,SL_UNIT)
<b>subtract</b>	<b>Returns the difference between two numbers</b> Usage: Can be used with any field whose value is a number Syntax: subtract value1, value2) 1. value1 – field that contains a number or any number 2. value1 – field that contains a number or any number Example: /VAR1=subtract(P_COVD,P_NCD)
<b>SUMM</b>	<b>Add up all occurrences of a numeric field matching the given criteria.</b> Syntax: summ( field to sum, range field, range, length ) 1. field to sum - any reoccurring numeric field 2. range field - field to check against range 3. range - value or range of values to check 4. length - length of comparison Example: /VAR1=summ(SL_TOT,SL_RCODE,"270,271",3)
<b>tally</b>	<b>Returns the number of occurrences matching the value passed in.</b> Syntax: tally( field name, range, length ) 1. field name - valid date field ID 2. range - value or range to compare against 3. length - length of comparison Example: /VAR1=tally(sl_rcode,"270,271",3)

## /FUNC Functions

Options in this table can be used with the /FUNC command. With the 7.2 release, functions such as RECALC and ROLL\_SL place 0.00 in the target fields when appropriate.

Function	Detail
<b>ADDDAYS</b>	<b>Add the given number of days to a date.</b> Syntax: ADDDAYS( field, days )

Function	Detail
	<ol style="list-style-type: none"> <li>1. field - field ID to be modified, must contain data in a recognizable date format</li> <li>2. days - number of days to add, use negative number to subtract days</li> </ol> <p>Example 1:</p> <pre>/FUNC=SET(remarks7,stm_fdat) /FUNC=ADDDAYS(remarks7,-3) /SET_OCC=ALL(s1_date,date_lt,remarks7[0])</pre> <p>Example 2:</p> <pre>/FUNC=SET(remarks8,stm_tdat) /FUNC=ADDDAYS(remarks8,3) /SET_OCC=ALL(s1_date,date_gt,remarks8[0])</pre>
<b>ADDERR</b>	<p><b>Add an error message to the specified field.</b></p> <p>Syntax: ADDERR( field, msg name )</p> <p>For the 5.3 release, this function has been updated to read the field lists saved by the new ALLPROC and ALLDIAG functions (example 3).</p> <ol style="list-style-type: none"> <li>1. field - valid field ID</li> <li>2. msg name – message or name of message previously defined with /MSG</li> </ol> <p>Examples:</p> <ol style="list-style-type: none"> <li>1) /FUNC=ADDERR(P_CNTRL, "REVIEW PCN" (add short message directly)</li> <li>2) /FUNC=ADDERR(RELTANS,RELTRANSQ) (add named message created with the /MSG function)</li> <li>3) To add an error to every non-blank diag code that isn't "ABCDE": /LABEL=TEST2 /OMIT=ALLDIAG("ABCDE") /FUNC=ADDERR(FIELDLIST,"TEST2")</li> </ol> <p>Notes:</p> <ul style="list-style-type: none"> <li>○ If the message contains spaces, enclose it in quotes.</li> <li>○ Adding a "Y" as a third parameter will trigger an error that will be removed by validation in CFI. For example, /FUNC=ADDERR(TYP_BIL, "REVIEW TYPE OF BILL",Y) creates an error that is automatically removed by validation. /FUNC=ADDERR(P_CNTRL, "REVIEW PCN") creates an error that must be removed manually with the <b>Accept</b> button.</li> </ul>
<b>ADDREC</b>	<p><b>Add a new reoccurring data line.</b></p> <p>Usage: Use on reoccurring data fields only</p> <p>Syntax : Addrec( field name, value, ..., ... )</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> <li>2. value - value to set the field with</li> </ol> <p>Example: /FUNC=ADDREC(C_VCODE,50,C_VAMT,120.00)</p>

Function	Detail
<b>ALLDIAG</b>	<p><b>Compares the value against all diagnosis codes, and saves a list of matching field IDs (FIELDLIST) and the corresponding POA (FIELDLISTPOA).</b></p> <p>Usage: If used with SELECT, this function returns the matches. If used with OMIT, this function returns fields that did not match, excluding blank fields. Length is optional, and behaves like other functions. Only stops the label if the final field list is empty.</p> <p>ALLDIAG only works with SELECT and OMIT, and only SET and ADDERR can use the field lists.</p> <p>BANKS are allowed. The function compares each diagnosis code to each bank item. Empties FIELDLIST and FIELDLISTPOA each time this is called.</p> <p>FIELDLIST is shared with ALLPROC. Each will overwrite each other.</p> <p>Syntax : ALLDIAG(value, length) or (INBANK, bankname)</p> <ol style="list-style-type: none"> <li>1. value</li> <li>2. length</li> </ol> <p>Example: The following example will add an error to every non-blank diag code that isn't "ABCDE".</p> <pre> /LABEL=TEST2 /OMIT=ALLDIAG("ABCDE") /FUNC=ADDERR(FIELDLIST, "TEST2") </pre>
<b>ALLPROC</b>	<p><b>Compares the value against all proc codes, and saves a list of matching field IDs (FIELDLIST) and corresponding dates (FIELDLISTDATE).</b></p> <p>Usage: If used with SELECT, this function returns the matches. If used with OMIT, this function returns fields that did not match, excluding blank fields. Length is optional, and behaves like other functions. Only stops the label if the final field list is empty.</p> <p>ALLPROC only works with SELECT and OMIT, and only SET and ADDERR can use the field lists.</p> <p>BANKS are allowed. The function compares each proc code to each bank item. Empties FIELDLIST and FIELDLISTDATE each time this is called.</p> <p>FIELDLIST is shared with ALLDIAG. Each will overwrite each other.</p> <p>Syntax : ALLPROC(value, length) or (INBANK, bankname)</p> <ol style="list-style-type: none"> <li>1. value</li> <li>2. length</li> </ol> <p>Example: Following example will change each procedure code with the value "ABCXY", and its associated date, to "TEST1".</p> <pre> /LABEL=TEST1 /SELECT=ALLPROC("ABCXY") /FUNC=SET(FIELDLIST, "TEST1") </pre>



Function	Detail
	/FUNC=SET(FIELDLISTDATE,"TEST1")
<b>APPEND_ID</b>	<p><b>Append argument 2 to the value of argument 1, with an optional separator.</b></p> <p>Usage: Can be used in conjunction with SET_OCC</p> <p>Syntax: APPEND_ID( field name, value, separator )</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> <li>2. value - what to append to field</li> <li>3. separator (optional) - what to place in between the field and value</li> </ol> <p>Example 1 : /FUNC=append_id(mcare_no,X)</p> <p>Example 2 : /FUNC=set(box38_4,pay_city)</p> <p style="padding-left: 40px;">/FUNC=append_id(box38_4,pay_st," ")</p> <p style="padding-left: 40px;">/FUNC=append_id(box38_4,pay_zip," ")</p>
<b>APPEND_SEQ</b>	<p><b>Append the current claim sequence number for the download file to the given field, and pad zero out to n number of digits.</b></p> <p>Usage: Can be used in conjunction with SET_OCC</p> <p>Syntax: APPEND_SEQ( field name, value )</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> <li>2. value - what to append to field</li> </ol> <p>Example: /FUNC=APPEND_SEQ(BOX2A,4)</p>
<b>CALC</b>	<p><b>Calculate a value for two fields.</b></p> <p>Syntax: CALC( field1, operation, field2, dest field )</p> <ol style="list-style-type: none"> <li>1. field1 - first field ID in operation</li> <li>2. operation - math sign</li> <li>3. field2 - second field ID in operation</li> <li>4. dest field - field ID to assign result</li> </ol> <p>Example: (Calculates covered charges and places that value into the associated sl_tot)</p> <p style="padding-left: 40px;">/FUNC=CALC(SL_TOT, -, SL_NCC, SL_TOT)</p>
<b>COMB_DUPS</b>	<p><b>Combine duplicate Service Lines where the following fields match:</b></p> <p>UB - Rev Code, HCPCS, Modifiers, Serv Date</p> <p>1500 - HCPCS, Modifiers, Serv From Date, Serv Thru Date;</p> <p>matching on service dates or drug fields is optional.</p> <p>Syntax: COMB_DUPS() or</p> <p>COMB_DUPS( values) or</p> <p>COMB_DUPS( range field, values, flag, flag, flag )</p>
	<p>Arguments:</p> <p><b>range</b> - Range of Revenue Codes for UB, or HCPCS for 1500, to which this command applies. (default is All) or</p> <p style="padding-left: 40px;">range field - service line field to compare against</p> <p><b>values</b> - range of values to check</p>

Function	Detail
	<p><b>flag1</b> - (Y/N) whether to match service dates (default is N)</p> <p><b>flag2</b> - (Y/N) whether to combine units (default is Y)</p> <p><b>flag3</b> - (Y/N) whether to include three drug fields in evaluation (default is N). Fields are SL_NDC, SL_DRUGMEASCD, and SL_DRUGMEASQTY</p>
	<p>Examples:</p> <pre> /FUNC=COMB_DUPS( ) /FUNC=COMB_DUPS("220- 999") /FUNC=COMB_DUPS(SL_HCPCS,"10000-69999",N) /FUNC=COMB_DUPS(SL_PROC,"80000-89999",Y,N) /FUNC=COMB_DUPS(SL_HCPCS,"80000-89999",Y,Y,Y) </pre>
<b>COMBINE_SL</b>	<p><b>Combine Service Lines that match the criteria.</b></p> <p><i>We recommend that Change Healthcare build combine_sl bridge routines.</i></p> <p>Syntax: Combine_Sl( old, new, desc, hcpcs, flag, flag )</p> <ol style="list-style-type: none"> <li>1. old - Revenue Code range to combine</li> <li>2. new - Revenue Code to combine into</li> <li>3. desc - default service line description</li> <li>4. hcpcs - HCPCS range to combine</li> <li>5. flag - Flag whether to total combined HCPCS</li> <li>6. flag - Flag whether different dates should be separated.</li> </ol> <p>Notes: Setting flag 5 to Y will replace the HCPCS code on the new service line with 8000n (n= number of lines combined). Setting the flag to N will retain the HCPCS code of the first new service line.</p> <p>Setting flag 6 to Y will combine only service lines that use the same date. If there are multiple dates for the given revenue codes, then multiple service lines will be created, with each service line having a unique date.</p> <p>Example: /SET_OCC=ALL(SL_HCPCS,INBANK,CPT_CODES)  /FUNC=SET(SL_HCPCS,"PANEL")  /FUNC=COMBINE_SL(300,300,"LAB CHEM GROUP","PANEL",Y,Y)</p> <p>(Resulting service line will be revenue code 300, HCPCS will be 8000n, and there will be a separate service line for each different date.)</p>

Function	Detail
<b>CUT</b>	<p><b>Cut characters from the left/right of a field.</b></p> <p>Usage: Use on specific data field and index or use SET_OCC first to determine the occurrences of the field to cut</p> <p>Syntax: cut( field name, mode, num )</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> <li>2. mode LTRIM = cut from left, RTRIM = cut from right</li> <li>3. num - number of characters to cut</li> </ol> <p>Example 1: /FUNC=CUT(TP_CERT[1],LTRIM,2)</p> <p>Example 2: /FUNC=CUT(TP_PAYER,LTRIM,10 )</p> <p>Example 3: /SET_OCC=ALL(TP_PAYER,INRANGE,1-9,1) /FUNC=CUT(TP_PAYER,LTRIM,10)</p>
<b>DATALOOKUP</b>	<p><b>Attempts to use &lt;filename&gt; based on the &lt;inifilename&gt; to lookup the key in the file and assign any additional data to the claim. (similar to TEXTIMPORT)</b></p> <p>Syntax: DATALOOKUP(&lt;filename&gt;,&lt;inifilename&gt;,&lt;key&gt;)</p> <ol style="list-style-type: none"> <li>1. filename - Identifier of the additional file to use. Do not give the path as the file must live in the client's sites directory with an extension of TBL.</li> <li>2. inifilename - Name of the INI file to use for parsing extra data. Do not give the path as the file must live in the client's sites directory.</li> <li>3. key – Field to use as key to find in file.</li> </ol> <p>Example: DATALOOKUP(DESC_FILE,RCODE_LOOKUP.INI,SL_RCODE[999])</p> <p>Note 1: Can specify index of 999, like SL_RCODE[999] or TP_PAYER[999] to let the code loop over all occurrences, via Count OCC.</p>
<b>DELDIAG</b>	<p><b>Delete diagnosis codes and remove any gaps.</b></p> <p>With 5.3, this has been updated to read BANKs. DELPROC/DELDIAG will delete each field listed in the bank.</p> <p>Syntax: DELDIAG(value, length ) or DELDIAG(INBANK, bankname )</p> <ol style="list-style-type: none"> <li>1. value - value or range of codes to delete</li> <li>2. length - length to compare</li> </ol> <p>Example: /FUNC=DELDIAG(E,1)</p> <p>Note 1: Does not affect UB admitting diagnosis code</p> <p>Note 2: For 1500 the descriptions are also deleted and shifted with their corresponding codes</p>

Function	Detail
<b>DELDUPS</b>	<p><b>Delete duplicate reoccurring data lines that meet the parameters.</b></p> <p>Usage: Use on reoccurring data fields only</p> <p>Syntax: DELDUPS( field name, value, length )</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> <li>2. value - value to compare field with</li> </ol> <p>Example: /FUNC=DELDUPS(C_COND,20) /FUNC=DELDUPS(C_COND,ALL)</p>
<b>DELOCC</b>	<p><b>Delete a reoccurring data record.</b></p> <p>Usage: First occurrence of a record is always 0 (not 1)</p> <p>Syntax: DELOCC( record header, occurrence )</p> <ol style="list-style-type: none"> <li>1. record header <ul style="list-style-type: none"> <li>- tprty1 third party one record (payer)</li> <li>- tprty2 third party two record (employer)</li> <li>- tprty3 third party three record</li> <li>- value value code record</li> <li>- svline service line record</li> <li>- cond condition code record</li> <li>- occrnce occurrence code record</li> <li>- occspan occurrence span code record</li> </ul> </li> <li>2. occurrence - which occurrence or record</li> </ol> <p>Example: /FUNC=DELOCC(TPRTY1,1) ...DELETE SECONDARY /FUNC=DELOCC(TPRTY1,2) ...AND TERTIARY PAYERS</p>
<b>DELPROC</b>	<p><b>Delete UB procedure codes and remove any gaps.</b></p> <p>With 5.3, this has been updated to read BANKs. DELPROC/DELDIAG will delete each field listed in the bank.</p> <p>Syntax: DELPROC(value, length) or DELPROC(INBANK, bankname)</p> <ol style="list-style-type: none"> <li>1. value - value or range of codes to delete</li> <li>2. length - length to compare</li> </ol> <p>Examples: /FUNC=DELPROC(9900-9999,4)</p> <p>Note: The procedure dates are also deleted and shifted along with their corresponding codes</p>
<b>DELREC</b>	<p><b>Delete a reoccurring data line.</b></p> <p>Usage: Use on reoccurring data fields only</p> <p>Syntax: DELREC( field name, value, length )</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> <li>2. value - value to compare field with</li> <li>3. length - length of field to compare</li> </ol> <p>Example: /FUNC=DELREC(C_VCODE,50,2)</p> <p>- or -</p> <p>Usage: Use in conjunction with SET_OCC</p> <p>Syntax: Delrec( field name )</p> <p>Arguments: field name - valid field ID</p>

Function	Detail
	Example: /SET_OCC=ALL (TP_PAYER, EQ, UMWA, 4) /FUNC=DELREC (TP_PAYER)
<b>DELSAME</b>	<b>Delete payer information on this payer line if it is the same as primary.</b> Syntax: DELSAME() Arguments: None Example: /SELECT=LOB (MEDICARE) /FUNC=DELSAME ( )
<b>DISCARD</b>	<b>Discard a claim.</b> Syntax: DISCARD() Arguments: None Example: /FUNC=DISCARD ( )
<b>DISCARD_XOVER</b>	<b>Discard a claim with the ability to know that it was discarded because it was crossed over.</b> Syntax: DISCARD_XOVER() Arguments: None Example: /FUNC=DISCARD_XOVER ( )
<b>FMT_ID</b>	<b>Format Physician Id number (right justify, zero fill).</b> Usage: Use on static data, primary occurrences, reoccurring fields, and specific field indexes. Syntax: FMT_ID( field name, length ) 1. field name - valid field ID 2. length - number of digits in ID Example: /FUNC=FMT_ID( APHYSID, 6 ) (TN123 will become TN000123)
<b>FMT_UPIN</b>	<b>Format a physician name into LAST&lt;space&gt;FIRST&lt;space&gt;MI.</b> Max sizes: LAST, 8; FIRST, 3; MI, 1 Notes: 1) Assumes name is in LAST FIRST MI format, where any part can be of any length 2) Works on static data or primary occurrences Example: /FUNC=FMT_UPIN(ATTPHYS)
<b>FMT_UPIN_16</b>	<b>Format a physician name to LAST&lt;space&gt;FIRST&lt;space&gt;MI.</b> Max Sizes: LAST,16; FIRST, 8; MI 1 Notes: 1) Assumes name is in LAST FIRST MI format, where any part can be of any length 2) Works on static data or primary occurrences Example: /FUNC=FMT_UPIN_16(ATTPHYS)
<b>KILLPREV</b>	<b>Delete the first of duplicate claims (instead of last).</b> Usage: Use in conjunction with DUPKEY Syntax: KILLPREV()

Function	Detail
	<p>Arguments: None</p> <p>Example: DUPKEY(P_CNTRL) /FUNC=KILLPREV()</p>
<b>MATCH_SET</b>	<p>Usage:</p> <p>Use this function to match two fields or sets of fields, and if they match, then set the &lt;target field&gt; to the value of the &lt;source field&gt;. If &lt;source field&gt; is empty/blank, and &lt;optional field&gt; is specified, use &lt;optional field&gt; instead.</p> <p>Arguments:</p> <ol style="list-style-type: none"> <li>1. &lt;target field&gt; field to set with the data from the source or optional field.</li> <li>2. &lt;source field&gt; field to use to populate the field to set if the matches occur.</li> <li>3. &lt;match A field 1&gt; this is the field to compare against &lt;match B field 1&gt;</li> <li>4. &lt;match B field 1&gt; this is the field to compare against &lt;match A field 1&gt;</li> <li>5. &lt;match A field 2&gt; this is the field to compare against &lt;match B field 2&gt; (optional but must have a corresponding &lt;match B field 2&gt;)</li> <li>6. &lt;match B field 2&gt; this is the field to compare against &lt;match A field 2&gt; (optional but must have a corresponding &lt;match A field 2&gt;)</li> <li>7. &lt;optional field&gt; use this field to populate &lt;target field&gt; if the &lt;source field&gt; is empty</li> </ol> <p>Examples:</p> <p>/FUNC=MATCH_SET(SL_PROCDDESC,DTL_DESC,SL_HCPCS,DTL_HCPCS,SL_DATE,DTL_DATE,SL_DESC)</p> <p>if SL_HCPCS = DTL_HCPCS and SL_DATE = DTL_DATE, then SL_PROCDDESC will contain the data in DTL_DESC</p> <p>if DTL_DESC is blank/empty, it will be populated SL_DESC (if that data exists, otherwise, it won't be touched)</p> <p>/FUNC=MATCH_SET(SL_PROCDDESC,DTL_DESC,SL_HCPCS,DTL_HCPCS,SL_DATE,DTL_DATE)</p> <p>if SL_HCPCS = DTL_HCPCS and SL_DATE = DTL_DATE, SL_PROCDDESC will contain the data in DTL_DESC</p> <p>if DTL_DESC is blank/empty, it will be won't be touched, i.e. no default field was given.</p> <p>/FUNC=MATCH_SET(SL_PROCDDESC,DTL_DESC,SL_HCPCS,SL_DESC)</p> <p>if SL_HCPCS = DTL_HCPCS, SL_PRODDESC will contain the data in DTL_DESC (note: no second comparison)</p> <p>if DTL_DESC is blank/empty, it will be populated SL_DESC (if that data exists, otherwise, it won't be touched).</p> <p>/FUNC=MATCH_SET(SL_PROCDDESC,DTL_DESC,SL_HCPCS,DTL_HCPCS)</p>

Function	Detail
	<p>if SL_HCPCS = DTL_HCPCS and SL_DATE = DTL_DATE, SL_PRODDDESC will contain the data in DTL_DESC</p> <p>if DTL_DESC is blank/empty, it will be won't be touched, i.e. no default field was given.</p>
PAD_FLD	<p><b>Insert data in a field from after the given position for a specified number of characters.</b></p> <p>Syntax: PAD_FLD( field, pos, len, value )</p> <ol style="list-style-type: none"> <li>1. field - field name to be padded</li> <li>2. pos – number of positions to skip before beginning the pad</li> <li>3. len - pad this many characters</li> <li>4. value - character of the pad <ol style="list-style-type: none"> <li>a. BLANK - Insert spaces</li> <li>b. field - Insert this field's data</li> <li>c. string - Insert this character string</li> </ol> </li> </ol> <p><b>Note:</b> For recurring fields, PAD_FLD only works with SELECT=ANY. It does not support SET_OCC or a recurring field with a specified index.</p> <p>Example 1: (To pad P_LNAME field from position one for one-character length)</p> <pre>/FUNC=PAD_FLD(P_LNAME,1,1, ' )</pre> <p>O'BRIAN would change to O'BRIAN</p>
PARSE_COD	<p><b>Parse the diagnosis code (or procedure code) from a code description including both the code and the description.</b></p> <p>Syntax: PARSE_COD( code id, desc id )</p> <ol style="list-style-type: none"> <li>1. code id - field ID for code</li> <li>2. desc id - field ID for description</li> </ol> <p>Example: /FUNC=PARSE_COD(PRNPCODE, PRNPDESC)</p>
PARSE_DELIM	<p><b>Split one record into several based on a delimiter.</b></p> <p>Usage: Can be used in conjunction with SET_OCC</p> <p>Syntax: PARSE_DELIM( field name, field name, value, value )</p> <ol style="list-style-type: none"> <li>1. field name where results go</li> <li>2. field name containing data</li> <li>3. delimiter position</li> <li>4. delimiter</li> </ol> <p>Example: /FUNC=PARSE_DELIM(GF_1B, REMARKS8, 1, "   ")</p>
PARSE_RATE	<p><b>Parse the last 6 digits of sl_desc into sl_rate.</b></p> <p>Syntax: PARSE_RATE()</p> <p>Arguments: None</p> <p>Example: /FUNC=PARSE_RATE()</p>
PREFIX_ID	<p><b>Prefix parameter 1 with the value of parameter 2.</b></p> <p>Usage: Can be used in conjunction with SET_OCC</p> <p>Syntax: PREFIX_ID( field name, value )</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> </ol>

Function	Detail
	<p>2. value - what to prefix field with</p> <p>Example: /FUNC=PREFIX_ID(MCARE_NO,X)</p>
RECALC	<p><b>Forces a recalculation of the 001 total and the non-covered charges based on current service lines.</b></p> <p>Usage: UB only.</p> <p>Syntax: RECALC()</p> <p>Arguments: None</p> <p>Example: /FUNC=RECALC()</p>
ROLL_SL	<p><b>Combine Service Lines that match the criteria.</b></p> <p>Usage: This is almost the same as combine_sl but keeps the data from the first matching service line found.</p> <p>Syntax: ROLL_SL(old rev, new rev, old hcpcs, new hcpcs, flag, flag, flag)</p> <ol style="list-style-type: none"> <li>old rev - Revenue Code range to combine <ol style="list-style-type: none"> <li>ignored for 1500 forms)</li> </ol> </li> <li>new rev - Revenue Code range to combine into <ol style="list-style-type: none"> <li>ignored for 1500 forms; first one found is used,</li> <li>if not found then nothing is rolled)</li> </ol> </li> <li>old hcpcs - HCPCS range to combine</li> <li>new hcpcs - HCPCS range to combine into (first one <ol style="list-style-type: none"> <li>found will be used, if not found then nothing is rolled)</li> </ol> </li> <li>flag - (Y/N) whether to combine units (default is Y)</li> <li>flag - (Y/N) whether to combine only if service dates <ol style="list-style-type: none"> <li>are equal (default is N)</li> </ol> </li> <li>flag - (Y/N) whether to leave old HCPCS present with <ol style="list-style-type: none"> <li>zero amount (default is N)</li> </ol> </li> </ol> <p>Note: With the 7.2 release, a flag of Y will place 0.00 in SL_TOT (Inst) or SL_CHG (Prof).</p> <p>1500 Example:</p> <p style="text-align: center;">/FUNC=ROLL_SL(?, ?, 72193, 74160)</p> <p>UB Examples:</p> <p style="text-align: center;">/FUNC=ROLL_SL(300-319, 300-319, 80000-80019, 84443, Y, Y)</p> <p style="text-align: center;">/FUNC=ROLL_SL(???, ???, 10000, 10000-69999, N, N, Y)</p> <p style="text-align: center;">/FUNC=ROLL_SL(450, 450, ?, 10000-69999)</p> <p style="text-align: center;">/FUNC=ROLL_SL(762, 450, ?????, ?????, N)</p> <p>Note 1: "?" includes a blank value.</p> <p>Note 2: "???" includes any three-character value, "?????" includes any four-character value, etc.</p> <p>Note 3: When matching on service dates, multiple service dates are combined.</p>
SEP_HCPCS	<p><b>Separate SL_HCPCS and SL_M1 from SL_RATE and blank out SL_RATE.</b></p> <p>Usage: Use in conjunction with SET_OCC</p> <p>Syntax: SEP_HCPCS()</p> <p>Arguments: None</p>



Function	Detail
	<p>Example: /SET_OCC=ALL(SL_RCODE,EQ,300-999,3) /FUNC=SEP_HCPCS()</p>
<b>SET</b>	<p><b>Set a field to a value.</b></p> <p>Usage: Use on static or primary occurrence data fields or use SET_OCC first to determine the occurrences of the reoccurring record to set. For the 5.3 release, this function has been updated to read the field lists saved by the new ALLPROC and ALLDIAG functions (example 3).</p> <p>Syntax: SET( field name, value, ..., ... )</p> <ol style="list-style-type: none"> <li>1. field name - valid field ID</li> <li>2. value - value to set the field with</li> </ol> <p>Example 1: /FUNC=SET(RELTRANS,N)</p> <p>Example 2: /SET_OCC=ALL(SL_RCODE,EQ,310,3) /FUNC=SET(SL_RCODE,300)</p> <p>Example 3: Change each procedure code with the value "ABCXY", and its associated date, to "TEST1". /LABEL=TEST1 /SELECT=ALLPROC("ABCXY") /FUNC=SET(FIELDLIST,"TEST1") /FUNC=SET(FIELDLISTDATE,"TEST1")</p>
<b>SETSTATEREPORTINGONLY</b>	<p><b>Flag a claim as state-only. This routine applies to the original State Data Reporting feature. It does not apply to claims when the customer uses the Regulatory Reporting Tool (RRT) to submit state claims.</b></p> <p>Claims will never be sent to any payer – they do not even require a payer. State-only claims are in a claim state by themselves so that they do not mingle with standard payer claims. The most common reason for setting a claim to state-only is use of the State Data Reporting feature. (The RRT feature uses a separate system code to mark claims that should not go to payers, so this routine does not apply.)</p> <p>Usage: Flag a claim as a state-only claim</p> <p>Syntax: SETSTATEREPORTINGONLY()</p> <p>Arguments: None</p> <p>Example: /SELECT=COMPARE(TP_PAYER,EQ,"SELF PAY") /FUNC=SETSTATEREPORTINGONLY()</p>

<p><b>SPLITCLM</b></p>	<p><b>Split the claim into two or more claims.</b></p> <p>Syntax 1: SPLITCLM(MAXCHGS,X)</p> <p>Desc: Creates a new claim for each x service lines.</p> <ol style="list-style-type: none"> <li>1) "maxchgs"</li> <li>2) x - num of service lines to appear on each claim not including the 001 service line.</li> </ol> <p>Example: /FUNC=splitclm(MAXCHGS,56)</p> <p>A claim with 60 service lines will be split into 2 claims. The first contains 56 charges; the second has 4.</p> <p>Syntax 2: splitclm(DAY) splitclm(MONTH) splitclm(YEAR)</p> <p>Desc: Creates new claim(s), distributing the service lines so each claim contains service lines for only one day (or month or year). Service lines which have no service dates are left on the original claim.</p> <p>Parameters: "day" or "month" or "year"</p> <p>Example: /FUNC=splitclm(MONTH)</p> <p>Syntax 3: splitclm(CHGS, service line field, &lt;values&gt;)</p> <p>Desc: Each service line which matches the specified field will be removed from the original claim and moved onto a second claim.</p> <ol style="list-style-type: none"> <li>1. "CHGS"</li> <li>2. service line field (SL_RCODE, SL_PROC, etc)</li> <li>3. &lt;values&gt; is list or range of values to compare. "?" is a wild card, so 54? matches 540,541...549. Ranges can be included by using a dash. For example, 545-549. Banks cannot be used here.</li> </ol> <p>Example: /FUNC=splitclm(CHGS,SL_RCODE,401,403) results in the original claim (without the 401 and 403 service lines) and a new UB containing the 401 and 403 service lines.</p> <p>Example: /FUNC=splitclm(CHGS,SL_PROC,51234,78???-81000) results in the original HCFA claim (without the services lines with the specified HCPCS), and a new HCFA claim which contains those service lines.</p> <p>Syntax 4: splitclm(UB92HCFA, field, &lt;values&gt;)</p> <p>Desc: Each service line which matches the specified service line field will be removed from the UB and placed on a new HCFA-1500 claim. UBs with more than 48 service lines will not be split. Split Maintenance on the Product Support site contains the mapping of UB fields to HCFA fields.</p> <ol style="list-style-type: none"> <li>1. "UB92HCFA"</li> <li>2. field (SL_RCODE, SL_HCPCS, P_CNTRL, etc)</li> <li>3. &lt;values&gt; is list or range of values to compare. "?" is a wild card, so 54? matches 540,541...549. Ranges can be included by using a dash. For example, 545-549. Banks cannot be used here.</li> </ol>
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Function	Detail
	<p>Example: /FUNC=splitclm(UB92HCFA,SL_RCODE,540) results in the original UB (without the 540 service line) and a new professional claim which contains the 540 service line.</p> <p>Syntax 5: splitclm(HCFAUB92,field,&lt;values&gt;) Desc: Each service line which matches the specified service line field will be removed from the HCFA and placed on a new UB claim. Split Maintenance on the Product Support site contains the mapping of HCFA fields to UB fields.</p> <ol style="list-style-type: none"> <li>1. "HCFAUB92"</li> <li>2. field (SL_PROC, P_CNTRL, etc) <ol style="list-style-type: none"> <li>a. &lt;values&gt; is list or range of values to compare. "?" is a wild card, so 54? matches 540,541...549. Ranges can be included by using a dash. For example, 545-549. Banks cannot be used here</li> </ol> </li> </ol> <p>Example: /FUNC=splitclm(HCFAUB92,SL_RCODE,540) results in the original UB (without the 540 service line) and a new professional claim which contains the 540 service line.</p> <p>Syntax 6: splitclm(DUPLICATE) Desc: Creates an exact copy of the claim Example: /FUNC=splitclm(DUPLICATE)</p>
STMTDATE	<p><b>Modify the stmt from and thru dates to match the service dates. Will ignore blank service line dates.</b></p> <p>Example: /FUNC=STMTDATE()</p>
STRIP	<p><b>Strip specified titles from last name. This will remove the characters from the end of the string ONLY to avoid removing characters that should have been left in.</b></p> <p>Example: /FUNC=STRIP(P_LAST,MR,MRS,JR,SR)</p>
TEXTIMPORT	<p><b>Attempts to import &lt;filename&gt; into NDC_BRIDGETEXTIMPORT based on the inifilename. Will then lookup the key in the object for addition of additional data.</b></p> <p>Syntax: TEXTIMPORT(&lt;filename&gt;,&lt;inifilename&gt;,&lt;key&gt;)</p> <ol style="list-style-type: none"> <li>1. &lt;filename&gt; this is the name of the additional file to import. Do not give the path. Full filename and path will be generated based off the bridge filename.</li> <li>2. &lt;inifilename&gt; this is the name of the INI file to use for parsing extra data. Do not give the path, file must live in the client's sites directory.</li> <li>3. &lt;key&gt; field to use as key to find in file - most likely based off P_CNTRL. McKesson Proprietary submission format uses a double key: P_CNTRL and C_DATE</li> </ol> <p>Example: /FUNC=TEXTIMPORT(BCTWCEP,SERIES.INI,P_CNTRL)</p>
UNPROCESS	<p><b>Send a claim to the unprocessed file.</b></p>

Function	Detail
	Syntax: UNPROCESS() Example: /FUNC=UNPROCESS()

## Sample Bridge Routines

This section contains a sampling of bridge routines with interpretations to help familiarize you with the syntax and range of possibilities for bridge routine activities.

### Add Data to a Field

Purpose: For Medicare claims, set the physician qual code to 1G

```
/LABEL=5
/SELECT=COMPARE(TP_PAYER,EQ,"MEDICARE",8)
/FUNC=SET(TP_PHYQC,1G)
```

### Throw Away a Claim

Purpose: Do not process blank claims into the database.

```
/LABEL=0
/SELECT=COMPARE(P_CNTRL,EQ,BLANK)
/FUNC=DISCARD()
```

### Change Data Based on Data in Another Field

Purpose: Set insured's sex if relationship is 02 (spouse). Two routines are required--one for F, one for M.

```
/LABEL=1
/SELECT=COMPARE(P_SEX,EQ,M)
/SET_OCC=ALL(TP_REL,EQ,02)
/FUNC=SET(TP_SEX,F)
/LABEL=2
/SELECT=COMPARE(P_SEX,EQ,F)
/SET_OCC=ALL(TP_REL,EQ,02)
/FUNC=SET(TP_SEX,M)
```

### Strip Out Unneeded Data by LOB

Purpose: On Medicare and Medicaid claims, strip the service lines if the first three characters of the Revenue Code is in the 960-980 range and recalculate service lines.

```
/LABEL=5
/SELECT=LOB(MEDICARE,MEDICAID)
/SET_OCC=ALL(SL_RCODE,INRANGE,960-989,3)
/FUNC=DELREC()
```

```
/FUNC=RECALC()
```

## Flag a Claim for Review

Purpose: Name and set the bank of revenue codes to 331, 332, and 333. If the claim is Medicare outpatient and the revenue code is in the bank, set RELTRANS to "C" and add "CHEMOTHERAPY REVIEW" to F/L 2B. This bridge routine ensures that these claims cannot go to the payer unless someone looks at the claim and validates it.

```
/BANK=BANK3 331,332,335  
/LABEL=20  
/SELECT=LOB(MEDICARE)  
/SELECT=TOB(OUTPATIENT)  
/SELECT=ANY(SL_RCODE,INBANK,BANK3,3)  
/FUNC=SET(RELTRANS,C)  
/FUNC=SET(BOX2B,"CHEMOTHERAPY REVIEW")
```

## Combine Service Lines

Purpose: On CHAMPUS claims, combine service lines that contain revenue codes 450 and 459. Add "EMERGENCY ROOM" as the description. Combine all lines that contains these revenue codes and the same date into one line.

```
/LABEL=40  
/SELECT=LOB(CHAMPUS)  
/SELECT=TOB(OUTPATIENT)  
/SELECT=ANY(SL_RCODE,EQ,459,3)  
/SELECT=ANY(SL_RCODE,EQ,450,3)  
/FUNC=COMBINE_SL(459,450,"EMERGENCY ROOM","00000-99999",Y,Y)
```

## Set Field to Blank Based on Editmaster Requirements

Purpose: Blank out Accident Indicator if the claim uses the PE\_I000 editmaster. Note that the comment indicates what triggered the need for this bridge was written.

```
# BLANK ACCIDENT INDICATOR FOR MEDICAID OF ILLINOIS (I000). PER EDIT  
MASTER REQUIREMENTS.  
/LABEL=18B  
/SELECT=EMAST(PE_I000)  
/FUNC=SET(OTHACC,BLANK)
```

## Multiple Bridge Routines to Get a Job Done

Purpose: Set Physician Qualifier Code to 1G if the Physician ID is a UPIN and to OB if the ID is not in UPIN format. Note number of bridge routines required to catch every case. Depending on the number of LOBs, this kind of bridge routine set can be very long!

```
/LABEL=10  
/SELECT=EMAST(HE9XXXX)
```

```

/SELECT=COMPARE(TP_ATTID,NE,"A-Z",1)
/SELECT=COMPARE(TP_ATTID,NE,??????)
/FUNC=SET(TP_PHYQC,0B)
/LABEL=10B
/SELECT=EMAST(HE9XXXX)
/SELECT=COMPARE(TP_ATTID,EQ,"A-Z",1)
/SELECT=COMPARE(TP_ATTID,EQ,??????)
/FUNC=SET(TP_PHYQC,1G)
/LABEL=10C
/SELECT=EMAST(HE9AAAA)
/SELECT=COMPARE(TP_ATTID,NE,"GA",2)
/SELECT=COMPARE(TP_ATTID,NE,????????)
/FUNC=SET(TP_PHYQC,0B)
/LABEL=10D
/SELECT=EMAST(HE9AAAA)
/SELECT=COMPARE(TP_ATTID,EQ,"GA",2)
/SELECT=COMPARE(TP_ATTID,EQ,????????)
/FUNC=SET(TP_PHYQC,1G)
/LABEL=10E
/SELECT=LOB(MEDICARE)
/SELECT=COMPARE(TP_ATTID,EQ,"A-Z",1)
/SELECT=COMPARE(TP_ATTID,EQ,??????)
/SET_OCC=ALL(TP_ATTID,EQ,??????)
/FUNC=SET(TP_PHYQC,1G)

```

## Change History

Date	Release	Change
10/29/2020	n/a	<ul style="list-style-type: none"> <li>In Syntax 3 first example for SPLITCLM (p 38), changed 40 to 401 to read "(without the 401 and 403 service lines) ..."</li> <li>Updated footer, including copyright date</li> <li>Moved Change Table to end of document.</li> </ul>
8/5/2019	8.5	The number of banks reference of 100 has been updated to 300 and the phrasing updated to reflect accordingly.
7/26/2019	8.5	<ul style="list-style-type: none"> <li>Note added to PAD_FLD row in Functions table: <b>Note:</b> For recurring fields, PAD_FLD only works with SELECT=ANY. It does not support SET_OCC or a recurring field with a specified index.</li> </ul>
2/2/2018	8.1	Document rebranding. No content changes.
8/11/2016	7.2	<ul style="list-style-type: none"> <li>Updated Section 7.4, /SELECT, /OMIT, and /SET_OCC functions: <ul style="list-style-type: none"> <li>Impact of the 7.2 release on certain money fields that now support 0.00.</li> <li>Added new BLANK_0 keyword.</li> <li>ANYDIAG and ANYPROC no longer require the length as the last parameter</li> </ul> </li> <li>Updated Section 7.6 for /FUNC: <ul style="list-style-type: none"> <li>Functions such as RECALC and ROLL_SL will now place 0.00 in the target fields when appropriate.</li> </ul> </li> </ul>
4/23/2015	5.3	<ul style="list-style-type: none"> <li>Added MATCH_SET function.</li> <li>Added new ALLPROC and ALLDIAG functions</li> <li>Updated ADDERR, ANYDIAG, ANYPROC, DELDIAG, DELPROC, and SET functions.</li> <li>Corrected the example for /BANK entry which needed a line return to work. Also corrected the ROLL_SL entry to reflect the accurate usage of wild cards for each claim form type.</li> </ul>
12/4/2014	5.1.1	Added new DATALOOKUP command to Section 7.6. Created to support the Regulatory Reporting Tool feature.
10/20/2014	5.1.1	Update the allowed number of banks per bridge file to 100.
7/3/2014	5.1	Update SETSTATEREPORTINGONLY entry and copyright info.
1/23/2012	4.5	Update Copyright, update logo
7/8/2011	4.3	Corrections to PAD_FLD
02/22/2011	4.2	Update to /ADDERR: Add quotes if the message contains spaces.
12/1/2010	4.2	Update copyright. Product name changes
11/8/2010	4.2	Add length argument to the example of the ANYDIAG function.
7/7/2010	4.1	Add new function: /FUNC=SETSTATEREPORTINGONLY()
03/16/2010	4.0	Change menu options to match menus on the Client site.