Paper Commands

Reference guide

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Assurance Reimbursement Management™

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Paper Commands overview

Assurance Reimbursement Management™ (Assurance) uses a default paper map (PMAP) to place claim data on printed paper claim form. To review the PMAP, run the Paper Claim Default Mapping report in Assurance in the Miscellaneous report category. Since payers often require clients to print specific data in a particular location on a paper claim, there is a Paper Commands feature that allows you to view, change, or add paper commands that override the default paper maps to change the placement of data.

Paper commands are available for each of the claim forms used in the product. Paper claim printing merges the default map and the custom changes created in Paper Commands. When a site uses different types of professional or institutional paper claim forms or uses different printers, more than one set of paper commands to handle the adjustments may be needed. The feature supports up to 50 different sets of print commands for each paper claim type (for example, UB-04, CMS 1500, CMS 1500-2012).

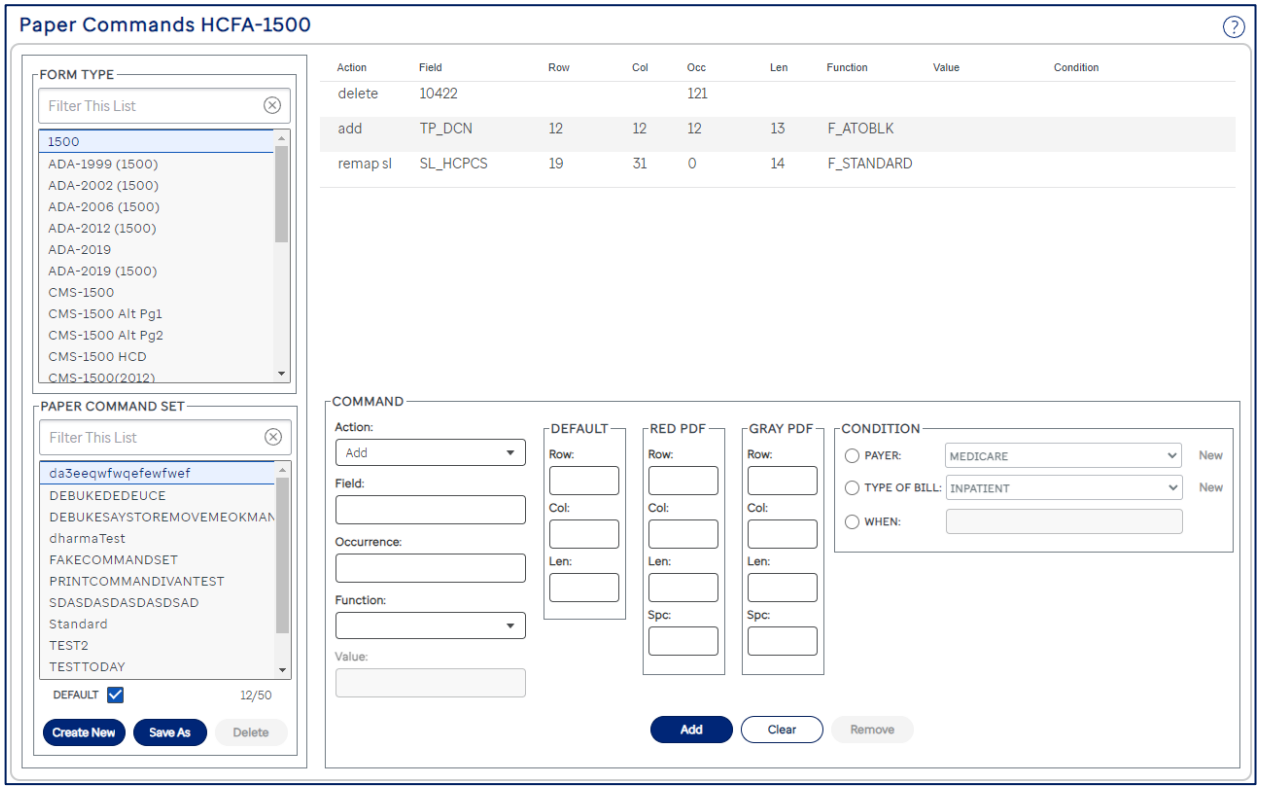
Paper Commands page

To open the Paper Commands page, follow this path: **Maintenance** > **Paper Commands**.

The Paper Commands page displays. Here users can select the form type and update, create or delete paper command sets.

Select a form in the FORM TYPE list. Command sets that are related to the form types will appear in the PAPER COMMAND SET list.

If the PAPER COMMAND SET list is empty, the site has no special requirements when printing the claims. Assurance uses only the standard PMAP settings to print claims. These standard settings are set to the default option.



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COMMAND group

Use the fields in the COMMAND group to create custom commands that override the default map to change when and where data is printed on a claim.

ACTION	Contains a list of tasks that paper commands can perform. For example, you can add, delete or remap data.
FIELD	Accepts either the Legacy DVAR ID or the Legacy DVAR field name
OCCURRENCE	Added when the ACTION requires one
FUNCTION	A list of all paper command functions
VALUE	Added when the ACTION requires one
DEFAULT group	Is oriented to the page. (Count rows and columns from 0.) Enter the row, column, and length information that positions the field. • ROW range is 1-64 • COL range is 10-76 • LEN is the length of data
RED PDF group	Is oriented to a tractor PDF overlay (Red Form).
GRAY PDF group	Is oriented to a laser-printed claim (Gray Form). When PDF remapping is required to correctly place a field on a PDF, enter the standard R/C/L values in DEFAULT to ensure that other print options will continue to function correctly.
CONDITION group	Allows you to indicate which of 3 options the condition should be based on. To use a condition as part of the paper commands, either select or enter the value for the field. • PAYER or TYPE OF BILL: Select a default from the list to make its presence a condition of the print command being constructed. ○ Click New to name a script to be added to paper command conditions. • WHEN: The paper command will not be used on claims unless the condition entered in WHEN is true. See Section 0 for details about WHEN statements.

In most cases, WHEN should be used instead of PAYER and TYPE OF BILL with their New links when constructing a condition. The WHEN construct can use either payer name or type of bill. You can specify an index for the payer name, which cannot be done with Payer.

ACTION

The ACTION list provides all the actions you can use when constructing a paper command.

Note: The 1500-2012 claim form prints Box 19 on 2 lines. Field name is BOX19_2012 and it has 2 field IDs (400 and 401), one for each line. All actions must be applied to both lines. To do this, set the action up twice and use Field ID instead of the Field Name.

For example, using DELETE:

ACTION = DELETE	The repeat for the second line:
FIELD = 401	**ACTION** = DELETE
OCCURRENCE = 0	**FIELD** = 400
	OCCURRENCE = 1

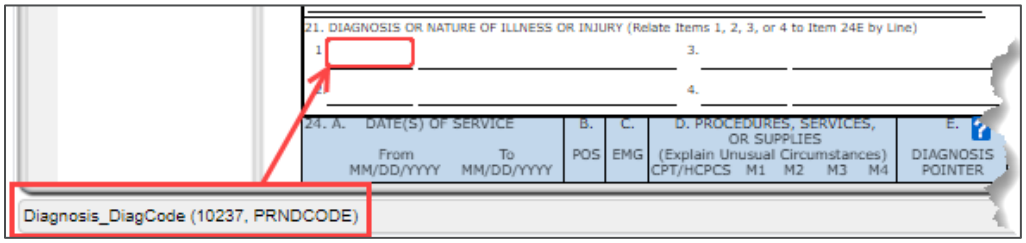
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Command	Action	Allowed variables			
		FIELD	Occurrence	FUNCTION	VALUE
ADD	Print an additional constant field to a specific location on a paper claim.	✓	✓	✓	
ADD SL	Print an additional field in the service line records. Example: SL_DESC1 does not print by default and if one needs this field to print for each SL one would ADD SL SL_DESC1	✓	✓	✓	
DELETE	Remove any field from printing on a paper claim. **Note:** This command supports the use of an asterisk (*) to specify all occurrences when used on a reoccurring Service Line field.	✓	✓		
REMAP	Move the location of a constant field when printing a paper claim. This command supports the use of an asterisk (*) to specify all occurrences when used on a reoccurring Service Line field.	✓	✓		
REMAP SL	Move the default location of a Service Line field. This command supports the use of an asterisk (*) to specify all occurrences when used on a reoccurring Service Line field.	✓	✓	✓	
CONSTANT	Always print specific data at a defined location.				✓
CUSTOM	Custom predefined functions used to manipulate data printing.			✓	✓

Although REMAP and REMAP SL support an asterisk, it is not recommended because the ROW and COL parameters do not support this usage. All occurrences would print in the same location.

FIELD

The user must enter the field name or field ID that is targeted by the command. If this information is unknown, open a claim in CFI, click the desired field, and read the information in the status bar at the bottom of the display:



In this example, either “10237” or “PRNDCODE” are valid entries for the principal diagnosis code on a 1500 claim.

OCCURRENCE

Print paper claims needs instruction regarding which occurrence of the field is the target. By default, the command is applied to the initial [0] occurrence of a field. The table shows the required paper command entries to add the procedure code description to all six lines on a professional (1500) paper claim:

in ACTION	in FIELD	in OCCURRENCE
ADD SL	SL_DESC1	0
ADD SL	SL_DESC1	1
ADD SL	SL_DESC1	2

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in ACTION	in FIELD	in OCCURRENCE
ADD SL	SL_DESC1	3
ADD SL	SL_DESC1	4
ADD SL	SL_DESC1	5

FUNCTION

FUNCTION commands alter how data will print on the claim. This section lists all available functions and how they manipulate data. These functions are broken up into two different types:

- Functions that act on a single, named field. These functions are available when ADD and REMAP are selected from the ACTION list.
- Functions that act on the entire claims. These functions are available when CUSTOM is selected from the ACTION list.

ADD and REMAP functions

Valid functions	Meaning
ACTIVE	Print 'X' if field is 'A', otherwise print nothing
ADMDIAG	N/A
ATOBLK	Print a space if field is 'A', otherwise print existing field contents
ATOX	Print 'X' if field is 'A', otherwise print nothing
BALN	Print 'X' if field is numeric and not equal to 0, otherwise print nothing
BALY	Print 'X' if field is '0.00' or <blank>, otherwise print nothing
BLKNO	Print 'X' if field is 'N', 'n', or '', otherwise print nothing
BOX19	N/A
CHILD	Print 'X' if field is '3', '03', '4', '04', '5', '05', '6' or '06', otherwise print nothing
COMMA	Appends a comma to the field value
CONVERT	This new function can be used instead of any special-purpose function that evaluates claim data to determine what should be printed (BALN, MALE, WORK, etc.) Converts the value of any field to something else. Select the Action and Field, then select CONVERT from the Function list. In Value, enter the conversion command. **Syntax:** `currentValue:newValue[,currentValue:newValue[,…]]` **Examples:** `Y:X` if value = Y, it is converted to X, everything else is changed to blank `Y:X,*:*` if value = Y, it is converted to X, everything else stays the same `Y:X,N:,*:*` if value = Y, new value becomes X. if value = N, New value is blank, everything else stays the same
CSVNAME	Prints the name with separating commas when used with the special paper mappings that combine name fields to print as a single field. **Examples:** Doe, John, D, III Doe, John, D **Use with: Field ID** 310 **Field Name** PATNAME **Form** UB

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Valid functions	Meaning
	353 P_NAME 1500 349 I_NAME 1500 344 OI_NAME 1500 332 PERFNAME 1500
CURRENT	Return the active payer based on the payer indicator
DATE1	MM/DD/YY
DATE2	MM/DD
DATE3	MMDDYY
DATE4	MMDD
DATE5	MM DD YYYY
DATE6	MM DD YY
DATE7	MM DD
DATE8	MM-DD
DATE11	MM YY
DATE12	MM DD YY
DATE13	MMDDYYYY
DATE14	YY
DATE15	MM DD YY DATE15 is the same as DATE6. Added to avoid DATE6 becoming DATE14 for Title 19.
DATE16	DD
DATE17	MM
DATE18	YYYY
DATEIND	N/A
DEAD	Print ‘X’ if field is ‘R’, otherwise print nothing
DIAG	Print ‘1’ if field is ‘0’, otherwise print existing field contents
EIN	Print ‘X’ if field is ‘E’, otherwise print nothing
EMPLOYED	Print ‘X’ if field is ‘F’, ‘P’, or ‘Y’, otherwise print existing field contents
FEMALE	Print ‘X’ if field is ‘F’, otherwise print nothing
FNAME	Print field if SL_PLACE(0) is equals ‘3’, otherwise print nothing (Only works when on the FAC_NAME field of a Title19 claim)
FORCE_MONEY1	Print 0.00 even if blank or zero. 10 spaces will be allocated ########.##
FORCE_MONEY2	Print 0.00 even if blank or zero. 8 spaces will be allocated #####.##
FRMZIP	Format Field #####-####

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Valid functions	Meaning
FULLTIME	Print ‘X’ if field is ‘F’, otherwise print nothing
GMCAID	Print field if the payer/provider enrollment type is GROUP, otherwise print nothing. (PR_ENRL - 1500 Only)
IMCAID	Print field if the payer/provider enrollment type is INDIVIDUAL, otherwise print nothing. (PR_ENRL - 1500 Only)
ICDIND	Prints ‘9’ if the ICD_QC is BK indicating ICD-9 codes. Prints ‘0’ if the ICD_QC is ABK indicating ICD-10 codes.
ISBCBS	Print field if this is a BCBS claim, otherwise print nothing
ISCHAMP	Print field if this is a CHAMPUS claim, otherwise print nothing
ISDEPT	Print ‘1’ if field is ‘0’, otherwise print existing field contents
ISMCAID	Print field if this is a MEDICAID claim, otherwise print nothing
ISMCARE	Print field if this is a MEDICARE claim, otherwise print nothing
ISNOTBCBS	Print field if this is not a BCBS claim, otherwise print nothing
ISNOTCHAMPUS	Print field if this is not a CHAMPUS claim otherwise print nothing
ISNOTMCAID	Print field if this is not a MEDICAID claim, otherwise print nothing
ISNOTMCARE	Print field if this is not a MEDICARE claim, otherwise print nothing
MALE	Print ‘X’ if field is ‘M’, otherwise print nothing
MARK_X	Print ‘X’ if field is ‘Y’, otherwise print existing field contents
MARRIED	Print ‘X’ if field is ‘M’, otherwise print existing field contents
MOD2	Print SL_MOD2 if SL_MOD1 is blank
MONEY1	Print numeric value as 0.00. 10 spaces will be allocated ########.##
MONEY2	Print numeric value as 0.00. 8 spaces will be allocated #####.##
MONEY3	Print numeric value removing decimal point and decimal values
MONEY4	Print 0.00 even if blank or zero. Eight (8) spaces will be allocated #####.##
MONEY9	Works on C_VAMT and converts a single digit to 0.00 unless left blank then prints blank
N3	Truncate a string to 3 characters
NEITHER	Checks the value of each subfield in a field set. If values are all **N**, nothing is printed in the associated field. NEITHER Is basically a default Print Map function. In Paper Commands, NEITHER functions only with Remap.
NO	Print ‘X’ if field is ‘N’, otherwise print nothing
NOCENTS	Print numeric value removing decimal point and decimal values
NODEC	Print numeric value removing decimal point and leave the decimal values. No space left where decimal existed.
NONE	N/A

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Valid functions	Meaning
NOTYN	Print ‘X’ if field is ‘Y’ or ‘N’, otherwise print a blank
OTH	Print ‘12’ as ‘1 2’
OTHER	Print ‘X’ if field is ‘4’, otherwise print nothing
PARTTIME	Print ‘X’ if field is ‘P’, otherwise print nothing
PAYER	Print Payer Name with LOB and PLAN Number
PHCPN	Print ‘X’ if field is not equal to ‘2’, otherwise print nothing
PHCPY	Print ‘X’ if field is ‘2’, otherwise print nothing
PHONE	(###)-###-####
PHONE1290	### ###-####
PLACE	N/A
POA	Blank out a '1' in the POA field.
POSSN	Print ‘X’ if field is not equal to ‘5’, otherwise print nothing
POSSY	Print ‘X’ if field is ‘5’, otherwise print nothing
PRTDIS	If field not equal to blank, then print an 'X'
REMARKS1	Print ‘0287901’ as ‘0287 901’ (category of service / specialty code)
RETIRED	Print ‘X’ if field is ‘R’, otherwise print nothing
RJUST	Right Justify Text in printing area
SELF	Print ‘X’ if field is ‘1’ or ‘01’, otherwise print nothing
SIG	Print ‘SIGNATURE ON FILE’ if field is ‘Y’, otherwise print existing field contents
SINGLE	Print ‘X’ if field is ‘S’, otherwise print existing field contents
SL_DIAG	Format the code SL_DIAG points to
SOP1	When SOP=1 and all other command conditions are met, print ‘X’ at the named position
SOP2	When SOP=2 and all other command conditions are met, print ‘X’ at the named position
SOP3	When SOP=3 and all other command conditions are met, print ‘X’ at the named position
SOP4	When SOP=4 and all other command conditions are met, print ‘X’ at the named position
SOP6	When SOP=(6, 7, or 9) and all other command conditions are met, print ‘X’ at the named position
SOP7	When SOP=7 and all other command conditions are met, print ‘X’ at the named position
SOP8	When SOP=8 and all other command conditions are met, print ‘X’ at the named position
SPACENODEC	Print numeric value removing decimal point and leave the decimal values. Space is left where decimal existed.
SPOUSE	Print ‘X’ if field is ‘2’ or ‘02’, otherwise print nothing

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Valid functions	Meaning
SSN	Print ‘X’ if field is ‘A’, otherwise print nothing
STANDARD	No formatting
STATOTHER	Print ‘X’ if field is ‘0’, otherwise print existing field contents
STRIPCHARS	Strip the character named in Value out of the selected field. You can strip multiple characters: type each character with no spaces between them.
SUPP	Suppress (blank out) ZEROS if 0 or 0.00. Eight (8) spaces will be allocated ####.##
SYM	If field not equal to blank, then print 'X'
TOCHECK	Print ‘X’ if field is not equal to blank
TOTDIS	Print ‘X’ if field is not equal to blank
TYPE	N/A
XXCENTS	Print numeric value removing decimal point and replacing the decimal values with an ‘X’. No space is left where decimal existed.
YES	**Print ‘X’ if field is ‘Y’**

Custom functions

Custom functions apply to all fields on a claim, including all recurring fields. They are designed to be used especially with service line fields that can have many occurrences. Custom functions are accessed by selecting Custom in the ACTION list. When the action is Custom, Field and Occurrence are erased because the function is not being applied an individual field.

Valid functions	Meaning
CLRPAYERADDR	Clear the Payer Address from the top of the claim form on 1500 forms only.
CMSREFER_ORDER	Prints the referring physician name as “Last, First Middle” if the customer prefers this order. NUCC guidelines require “First Middle Last”.
COLOFFSET	Adjust starting column print location. (Negative values are okay.)
DIAGPOINTER	Print SL_DIAG pointers 1-4.
DRGCODE3	Print DRG Code as a three-digit code instead of a zero-padded four-digit code.
FORCE_VAMT	Print 0.00 if VAMT is blank.
HCFA_CHNGSOPX	Print specified value in the SOP fields instead of ‘X’.
HCPCS_SCREEN	Print the SL_HCPCS if not blank along with MOD1 and MOD2 if SL_RATE is empty, otherwise print SL_RATE. Ignores the default print test that uses Rev Code (100:219 or 650:659) to determine whether to print the HCPCS or RATE.
MAP_LEGACY_2_VCODE	For printing UB04 claims, this prints the UB92 covered days, non-covered days, coinsurance days, and lifetime reserve days as value codes 80, 81, 82, and 83. Active by default.

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Valid functions	Meaning
MOVE001	(UB only) Print Total Charges and Total Non-Covered charges on the last page of a multi-page UB. (These two amounts will print in the TOTALS section beneath the service lines on the last page of the claim.)
MGRADDR	Print Remarks1 instead of TP_PAYER.
NDC_DESC	Print default is: For printed UBs going to Medicaid, the NDC data string required by the Medicaid Drug Rebate program is printed on service lines that contain an NDC. Use this function to turn off the print completely (Set Value = No). Also, use it to set conditions that will allow the NDC data string to print on some UBs but not others. (Format: "N4" + SL_NDC+ SL_DRUGMEASCD + SL_DRUGMEASQTY)
NDC_UNITS	Format the NDC quantity (units) using the full nine (9) digits. First 6 digits represent the whole number units, and last 3 digits represent the decimal portion. **SL_DRUGMEASQTY** Examples: • `Entry 12.2  formats as 000012200` • `Entry  7.2  formats as 000007200` • `Entry   .1  formats as 000000100` • `Entry   .01 formats as 000000010`
NOPUNC	Do not print any punctuation on claims .
PAD_PLACE	For place of service, print a leading 0 for SL_PLACE if the value is a single digit. Professional claims.
PBDAYONLY	Print all dates MM DD.
POA_ALWAYS	Always prints present on admission value. Applies to UB-04 and is valid on inpatient only. Default = Yes.
PRINT_PROVID	Print provider legacy ID based on SOP into SL_PROV.
PRINT_QUALID	Print appropriate provider ID qualifier in 17a, 24i, 32b, and 33b of the CMS-1500. (ID lookup is based on SOP.) **SOP** / **24i** / **24j** 1 / 1C / sl_mcare 2 / 1D / sl_mcaid 3,4 / 1H / sl_chid 7 / 1B / sl_bcbs 9 / X5 / sl_wcomp **8 (Default)** / **sl_idqc** / **sl_id**
PRINT_REMARKS	If SL_NDC is populated, prints N4 followed by the contents of SL_NDC, 3 spaces, SL_UNITS in 24a of the CMS-1500. (The shaded remark line).
RCODE4	Append a zero if needed for 4-digit rev codes.
ROWOFFSET	Adjust starting row print location. (Negative values are OK.)
SL_DIAGDEC	Print Decimal after third character of SL_DIAG ###.##.
SWAP_INS	Format the Insured Name as FML.

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Valid functions	Meaning
TBILL4	Print type of bill (TOB) as four digits, padded with a leading zero if necessary (for example, TOB 111 would be printed 0111).
TOP_FF	Add a form feed to the top of the file when format is tractor form legacy.
TOP001	Force RevCode 001 to print on the first line .
TOTALPERPAGE	**When printing multi-page claims, display the total for the page in the claim total field.**

VALUE

VALUE is available only when constant or custom is selected from ACTION. Constant actions require that the information to be printed on the claim is entered in VALUE.

When the selected ACTION type is custom, VALUE is used in one of two ways:

- To enable the selected FUNCTION, the VALUE must be ‘yes’ (default). Set the value to ‘no’ to disable the FUNCTION.
- To specify a value for a custom FUNCTION. For example, these settings will print a ‘D’ in FL1 on a 1500 instead of the default ‘X’:

```
ACTION: custom
FUNCTION: HCFA_CHNGSOPX
VALUE: D
```

DEFAULT group

The Row, Column, and Length settings in the DEFAULT group are those that the standard paper command map will use to print data when the print format is Legacy Tractor. The default for these values is empty. These values can be changed if the client or payer desires a different location. Values in this group are calculated from x, y=0, 0

- When adding or remapping a field that already exists in the default paper map, Print Paper Claims will use the default values.
- To move the data on the printed form, change the values.
- To move the data only when printing PDF formats, leave the values in Default alone and change the values in one of the PDF groups.

PDF groups

The Print Paper Claims function uses calculations to specify exactly where fields should align. However, when a UB or 1500 claim is printed as a PDF red form or gray form, sometimes these calculations do not print information exactly where the client wants needs to have it printed. The Row, Column, and Length fields Red PDF and Gray PDF allow printing the data at any location, and in different locations on Red Forms and Gray Forms, if necessary.

When working with PDF override groups, remember that there is no one-to-one relationship between the DEFAULT and PDF values. You can begin with the DEFAULT values for Row, Column, and Length, but the numbers will need tweaking to get the data to print exactly as desired. **Decimal points are allowed in the PDF group values, which allows for very fine changes in positioning.** For instance, a COL value could be 34.5.

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CONDITION group

The items in the CONDITION group are used to set the conditions under which the paper command should be used. The command will be used only if the conditions set in the CONDITION group are met.

Payer

Selecting the Payer has the effect of running the paper command only on claims going to the selected payer. By default, the MEDICARE, MEDICAID, BCBS, CHAMPUS, and COMMERCIAL are listed. To add another, specific payer:

1. Click **Payer**, and then click **New**.
2. Enter the payer name as it appears on the claims in the Script popup, and click then click **OK**. The name is added to the list of payers and can be selected for use with any paper command.

Type of Bill

Selecting the Type of Bill has the effect of running the paper command only on claims that contain the selected Type of Bill. By default, INPATIENT and OUTPATIENT are listed. These two entries will allow the paper command on all claims that use either inpatient or outpatient Types of Bill.

1. To constrain the command to a specific Type of Bill, click **Type of Bill**, and then click **New**.
2. Enter the Type of Bill in the Script popup and then click **OK**. The value you enter is added to the list and can be selected for use with any paper command.

Note: If you click a New link without first clicking a radio button, the value you enter will be added to both lists.

WHEN

WHEN constrains the paper command to only claims that meet the specific condition set here. WHEN is a very powerful and far-reaching condition. Each WHEN condition consists of three parts separated by commas: FIELD, OPERATOR, VALUE. A complex WHEN statement consists of multiple WHEN conditions joined by operators. (See section 0 for details about complex WHEN conditions.)

Examples:

```
TYP_BIL,EQ,'131'
TP_PAYER[ACTIVE],EQ,AETNA
TP_ SOP[1],EQ,C
SL_NDC[0],GT,0
```

WHEN operators

Valid operators	Meaning
EQ	Equal To
NE	Not Equal To
GT	Greater Than
LT	Less Than
GE	Greater Than or Equal To
LE	Less Than or Equal To
LIKE	Contains Characters

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Notes:

- WHEN can be used with any claim field for which a paper command can be written. If the field is a non-recurring field, an index is not required. If the field is a recurring field, designate the index of the field in square brackets after the field name SL_RCODE[2]. Index is 0-based.
- The service line indexes run from 0-6 on a 1500 claim and from 0-22 on a UB claim. On a multiple page claim, the WHEN condition applies to the indexed service line on every page of the claim.
- If a paper command requires a WHEN condition that uses a service line field, you must repeat the paper command once for each service line.
- The index notation of [ACTIVE] can be used with payer fields to indicate the active payer.
- Single quotes are not required for the condition value but may be used to evaluate left- or right-justified spacing. If single quotes are not used, the string delineated by the second comma and closing semi-colon of the current /WHEN condition is trimmed of blank spaces and used in the comparison against the claim value.
- The default string-comparison mode is case-INSENSITIVE but can be changed with the CASESENSITIVE qualifier.
- The paper claim application tries to make the most logical comparison based on the database datatype of the claim field in question. For numeric claim fields, the values are cast as numeric data prior to comparison. For date claim fields, the values are cast as dates. String type comparisons are executed on all other types or if the type is ambiguous. A string comparison will be executed if the passed condition value does not match the native database datatype.

Qualifier

Append the CASESENSITIVE qualifier to a string comparison operator to force the application to compare strings in a case sensitive fashion.

```
PR_CITY,EQ:CASESENSITIVE,'Seattle';
```

Complex WHEN conditions

WHEN conditions can be combined using the AND and OR conditional logical operators. Composite conditions are evaluated left to right. Parentheses (or some other analog) are not recognized. The only way to override the order in which conditions are evaluated is to reorder the conditions.

Examples

1) First Condition	Operator	2) Second Condition	Operator	3) Third Condition
TYP_BIL, EQ, ’131’’;	OR;	TYP_BIL, EQ, ’111’;	AND;	PAYERIND,EQ,’A

Actual TYP_BIL=111
Actual PAYERIND = A
1) First Condition = **FALSE**
2) **FALSE** OR TRUE = **TRUE**
3) **TRUE** AND TRUE = **TRUE**
Result = **TRUE**

1) First Condition	Operator	2) Second Condition	Operator	3) Third Condition
TYP_BIL, EQ, ’131’’;	OR;	TYP_BIL, EQ, ’111’;	AND;	PAYERIND,EQ,’B

Actual TYP_BIL=111
Actual PAYERIND = A

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```
1) First condition =  FALSE
2) FALSE OR TRUE   =  TRUE
3) TRUE AND FALSE  =  FALSE
  Result = FALSE
```

DataTypes

```
nIndex = InStr(strDesc, "CHAR")
 If nIndex > 0 Then
     GetType = TYPE_DATA_STRING
     Exit Function
 End If
 nIndex = InStr(strDesc, "DATE")
 If nIndex > 0 Then
     GetType = TYPE_DATA_DATE
     Exit Function
 End If
 nIndex = InStr(strDesc, "TIME")
 If nIndex > 0 Then
     GetType = TYPE_DATA_DATE
     Exit Function
 End If
 nIndex = InStr(strDesc, "MONEY")
 If nIndex > 0 Then
     GetType = TYPE_DATA_NUMERIC
     Exit Function
 End If
 nIndex = InStr(strDesc, "INT")
 If nIndex > 0 Then
     GetType = TYPE_DATA_NUMERIC
     Exit Function
 End If
 nIndex = InStr(strDesc, "NUMERIC")
 If nIndex > 0 Then
     GetType = TYPE_DATA_NUMERIC
     Exit Function
 End If
```

Comparison logic

Value initialization

Prior to evaluation values are cast to their appropriate data type.

```
Select Case m_nType
    Case TYPE_DATA_STRING
        If m_strQualifier = TYPE_QUALIFIER_CASESENSITIVE Then
            m_vValue1 = CStr(strValue1)
            m_vValue2 = CStr(strValue2)
        Else
            m_vValue1 = UCase(CStr(strValue1))
            m_vValue2 = UCase(CStr(strValue2))
        End If
        bSet = True
    Case TYPE_DATA_NUMERIC
        If IsNumeric(strValue1) And IsNumeric(strValue2) Then
            m_vValue1 = CDbl(strValue1)
            m_vValue2 = CDbl(strValue2)
            bSet = True
        Else
```

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```
                strError = "Invalid value for specified data type in
DataEval.InitEval().  The value will not convert to numeric.  Defaulting to
string comparisons.  Val1=" & strValue1 & " Val2=" & strValue2
                LogErrorEvent strError
            End If
        Case TYPE_DATA_DATE
            If IsDate(strValue1) And IsDate(strValue2) Then
                m_vValue1 = CDate(strValue1)
                m_vValue2 = CDate(strValue2)
                bSet = True
            Else
                strError = "Invalid value for specified data type in
DataEval.InitEval().  The value will not convert to date.  Defaulting to
string comparisons.  Val1=" & strValue1 & " Val2=" & strValue2
                LogErrorEvent strError
            End If
    End Select

    'if we couldn't determine a type then default to string type comparisons
    If bSet <> True Then
        m_vValue1 = CStr(strValue1)
        m_vValue2 = CStr(strValue2)
        m_nType = TYPE_DATA_STRING
    End If
```

Comparison evaluation

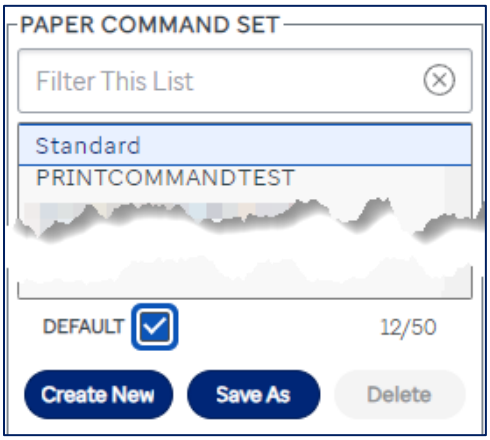
```
    Select Case m_nOperatorType
        Case TYPE_OP_EQUAL
            If m_vValue1 = m_vValue2 Then
                bResult = True
            End If
        Case TYPE_OP_NOTEQUAL
            If m_vValue1 <> m_vValue2 Then
                bResult = True
            End If
        Case TYPE_OP_GT
            If m_vValue1 > m_vValue2 Then
                bResult = True
            End If
        Case TYPE_OP_LT
            If m_vValue1 < m_vValue2 Then
                bResult = True
            End If
        Case TYPE_OP_GTEQUAL
            If m_vValue1 >= m_vValue2 Then
                bResult = True
            End If
        Case TYPE_OP_LTEQUAL
            If m_vValue1 <= m_vValue2 Then
                bResult = True
            End If
        Case TYPE_OP_LIKE
            If IsNull(m_vValue1) = False And Trim(m_vValue1) <> "" Then
                If IsNull(m_vValue2) = False And Trim(m_vValue2) <> "" Then
                    nIndex = InStr(m_vValue1, m_vValue2)
                    If nIndex > 0 Then
                        bResult = True
                    End If
                End If
            End If
```

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```
            Case Else
                strError = "Invalid /WHEN operator.  Operator=(" & m_strOperator
& ") "
                RaiseError ERR_CONFIG, strError
                Eval = strError
                Exit Function
        End Select
```

Paper Command sets

If a site uses different types of paper claim forms or different printers, more than one set of paper commands may be needed to handle the adjustments. If so, use the **Paper Command Set** fields to create additional sets and select a default option. You may create up to 50 different sets of print commands for each paper claim type (UB-04, CMS 1500, CMS 1500-2012, etc.). This feature is not available for state forms such as the Medi-Cal Long Term Care form.



Follow these steps to create a brand-new paper command set for the form type you selected in FORM TYPE list:

1. Click **CREATE NEW**. The Paper Command Set Entry dialog displays.
2. Enter a name for the new paper command set. Limit = 25 characters
3. Select **Default** if this set will be the command set most frequently used for the claim form type.
4. Click **SAVE**. An empty COMMAND group displays.
5. Complete the fields in the COMMAND group that you need for the new paper command set. (Click **ADD** after creating each action.)
6. Click **OK**.

Follow these steps to create a new paper command set based on an existing set:

1. Select an existing command set from **PAPER COMMAND SET**.
2. Click **SAVE AS**. The Paper Command Set Entry dialog displays.
3. Enter a name for the new paper command set. Limit = 25 characters
4. Select **Default** this set will be the command set most frequently used for the claim form type.
5. Click **SAVE**. An empty **COMMAND group** displays, including any customized commands from the source set.
6. Select and adjust the existing customization commands or complete the fields in the COMMAND group to add new items. (Click **UPDATE** to save changes for an existing action. Click **ADD** after creating an action.)
7. Click **OK**.

To change the default setting for a claim form, select the desired paper command set from the **PAPER COMMAND SET**, and then select **Default.**

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To delete a set, select the set from **PAPER COMMAND SET**, and then click **DELETE.**

Note: A paper command set that is assigned to an auto module cannot be deleted until it is removed from the auto module(s).

Paper fields

This section contains those fields that are unique to the paper mappings on a claim. Many of these fields combine the data in multiple standard DVAR fields to print as one field on the claim. Remapping one of these paper fields moves all DVAR data that is combined to make the field. For example, the UB 308 paper field allows the placement of multiple elements of a payer address with one command.

UB

Paper field	Meaning
308	Determines the current payer based on Payer Indicator and then prints the Payer Name, Addr1, Addr2, City, State, Zip
310	Prints Patient First Name, Last Name, Middle Initial
307	Prints Occ 0 Insured First Name, Last Name, Middle Initial
311	Prints Occ 1 Insured First Name, Last Name, Middle Initial
312	Prints Occ 2 Insured First Name, Last Name, Middle Initial
396	Prints Occ 0 Employer Addr, City, State, Zip
397	Prints Occ 1 Employer Addr, City, State, Zip
398	Prints Occ 2 Employer Addr, City, State, Zip
301/302/ 303/304	Prints the Payer Address in Remarks if the client has no data in the remarks field. Remarks1 through Remarks4

1500

Paper field	Meaning
353	Prints Patient First Name, Last Name, Middle Initial
349	Prints Insured First Name, Last Name, Middle Initial
338	Prints Payer City, State, Zip
352	Prints Referring Physician First Name, Last Name, Middle Initial
351	Prints Provider City, State, Zip
337	CPY_TITLE prints blank per the code???
336	Prints the current page at the bottom of the claim
332	Prints in FL31 First Name, Last Name, Middle Initial
335	Prints in FL33 Medicare No, Medicaid No, BCBS No
0	Prints Other Insured First Name, Last Name, Middle Initial

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1500 date functions crossover (for large fonts)

This section contains those date fields on a 1500 claim form that contain a date function to align the date according to the standard format. However, the addition of selectable font sizes requires the ability to change the default format for the dates. The following table shows the default function (for the default font size of 8) and the function that should be remapped when the font size is 12.

Field	Date func w/ font size 8	Date func w/ font size 12
P_BDAY	F_DATE10	F_DATE5
I_BDATE	F_DATE10	F_DATE5
OI_DOB	F_DATE10	F_DATE5
DATE_12	F_DATE10	F_DATE5
SYM_DATE	F_DATE10	F_DATE5
PREVDAT1	F_DATE10	F_DATE5
DIS_FROM	F_DATE10	F_DATE5
DIS_THRU	F_DATE10	F_DATE5
HOS_FRM	F_DATE10	F_DATE5
HOS_THR	F_DATE10	F_DATE5
DATE_25	F_DATE10	F_DATE5
SL_FROM all OCC	F_DATE12	F_DATE6
SL_THRU all OCC	F_DATE12	F_DATE6

Sample paper commands

This section contains a sampling of paper commands with interpretations to help familiarize you with the syntax and range of possibilities for paper command activities.

Remap payer name at the top of the UB or 1500 claims

UB

```
ACTION:         REMAP
FIELD:          PRIMPAY (308)
OCCURRENCE:     0
```

1500

```
ACTION:         REMAP
FIELD:          TP_PAYER (10422)
OCCURRENCE:     0

ACTION:         REMAP
FIELD:          TP_ADDR1 (10388)
OCCURRENCE:     0


ACTION:         REMAP
```

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```
FIELD:          TP_ADDR2 (10389)
OCCURRENCE:     0

ACTION:         REMAP
FIELD:          TP_CSZ (338)
OCCURRENCE:     0
```

Delete the payer name at the top of the UB or 1500 claims

UB or 1500

```
ACTION:         CUSTOM
FUNCTION:       CLRPAYERADDR
Value:          YES
```

Enable PRINT_PROVID for all claims except for Medicare claims

Turns on for all claims

```
ACTION:         CUSTOM
FIELD:          PRINT_PROVID
Value:          YES
```

Turns off for Medicare

```
ACTION:         CUSTOM
FIELD:          PRINT_PROVID
Value:          NO
Payer:          MEDICARE
```

Remap SOP on a 1500 claim

In addition to the obviously recurring fields that use an Occurrence, the SOP field on the 1500 claim uses an Occurrence to define which of the LOBs is being targeted by the specific SOP Paper Command. The SOP occurrence range is 0-10 to accommodate self-pay and nine LOBs. For instance, to remap or delete the SOP for Worker's Comp:

```
Field: 20059
Occurrence: 10
Function: SOP
```

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