CHAPTER 36 – SETUP PARSE RULES.....2

CHAPTER 36 – SETUP PARSE RULES

This screen is used to set up the Parsing Rules that are associated with items and used as part of the receiving processing. The purpose is to scan a value into serial number, lot number, user1, user2 or user3 and parse all or part of a value into another field. The full value is kept in the scanned field.

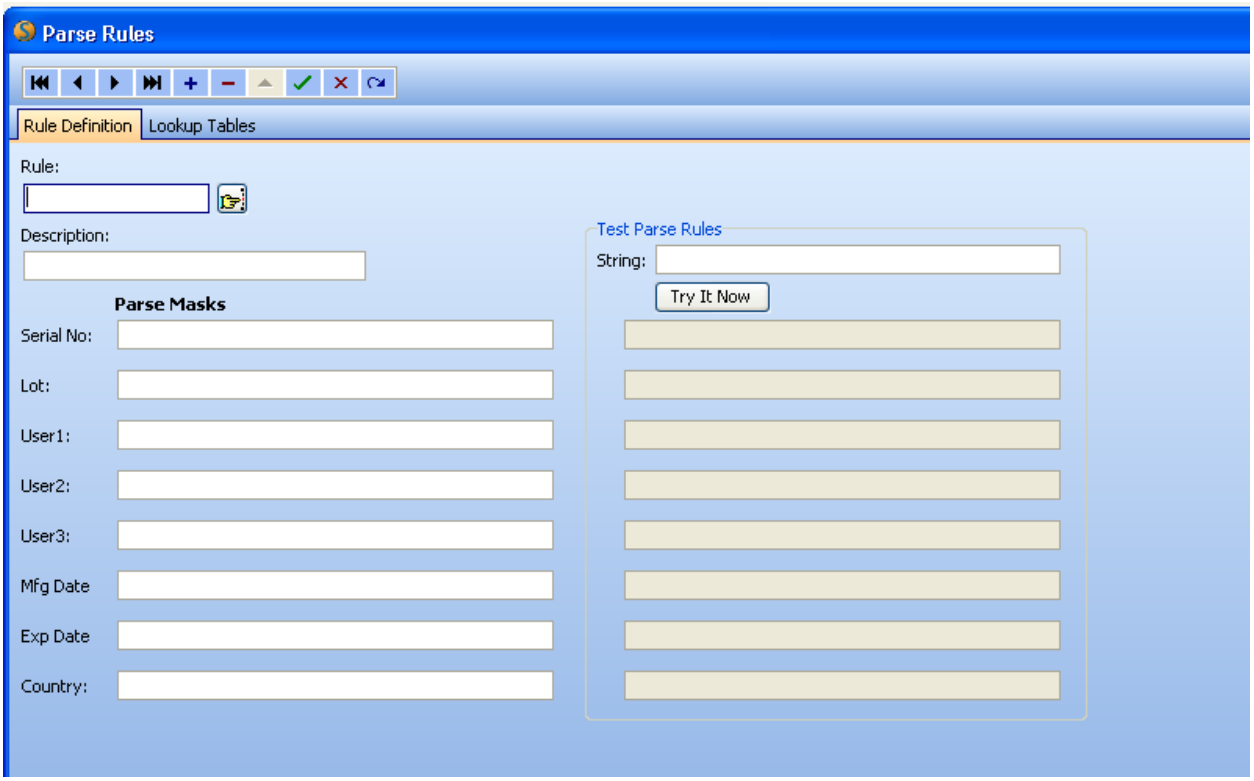
For example, for a specified item, the second through 7th character of a 7 character lot number also make up the manufacturing date. By setting up the lot number as the input field as part of item setup and the manufacturing date as the parsed field associated with the specified parse rule, the full entered value will be kept for the lot number and the manufacturing date will be extracted and updated for the inventory.

Parse Rules are established for an entire installation of SYNAPSE. Parse Rules can be set for Customers, Product Groups, and Items on the following screens:

- Customer Maintenance/Receiving/Options-1
- Product Group Maintenance/Receiving/Options-2
- Item Maintenance/Receiving/Options-2

- From the Setup Menu, select Parsing Rules.

The screen will display as follows:



Parse Rules

- To add a new Parse Rule, click on the add button  .
- In the Rule field, enter a unique Rule ID.
- Press the Tab key to move to the Description field.
- Type a description that is specific to the rule.
- In the Parse Masks area of the screen, enter parse mask information into the field(s) that will be the receiving field for this rule. Supported fields are:
    - Serial Number
    - Lot Number
    - User1
    - User2
    - User3

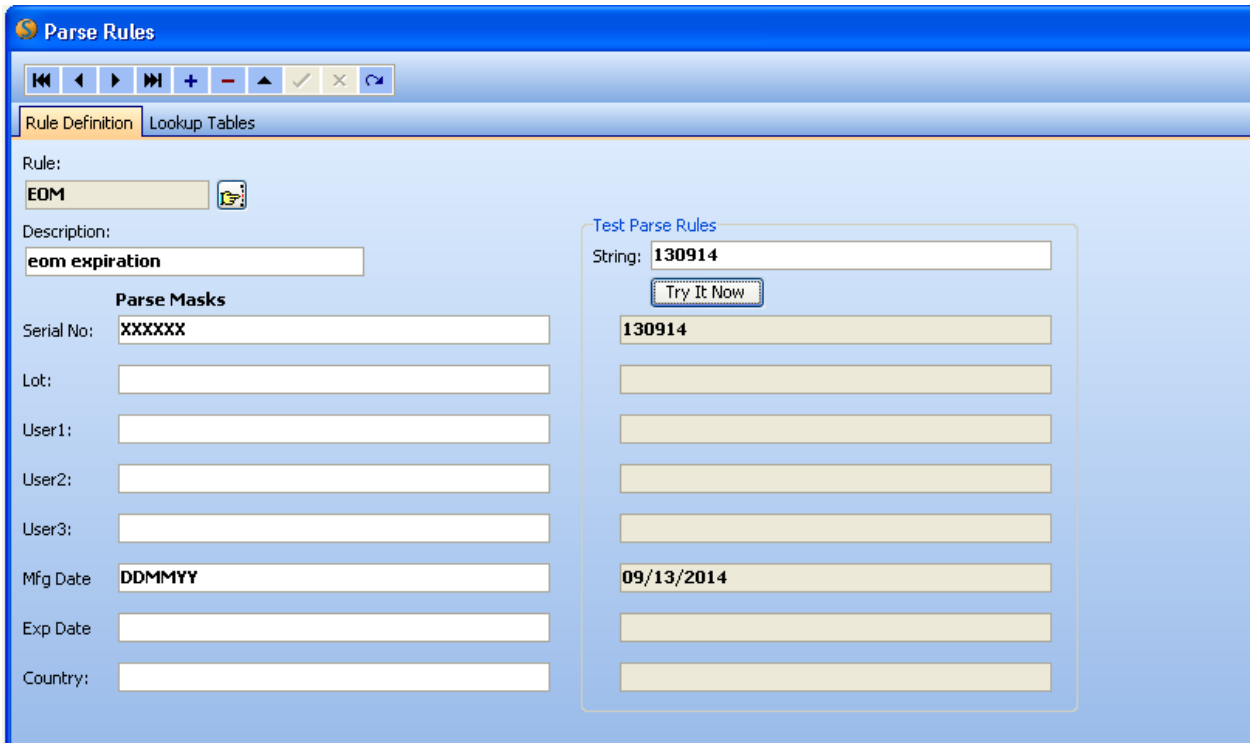
- Expiration Date
- Manufacturing Date
- Country

- Enter the mask using the following rules:
  - Use a "?" to skip a position/number/character
  - Use a "\" for a translation mask – see additional documentation later in this chapter for information.
  - Use an "X" to use a position/number/character
  - Valid date formats for Manufacturing Date and Expiration Date are:

YYYY	Full four-digit year. 1999, 2001
YY	Last two digits of year. 01 for 2001, 99 for 2099
Y	Last digit of year. 4 for 2004, 5 for 2005. The year/decade depends on the actual decade the date is processed. For example, 9 entered on 2/1/2009 will be returned as 2009 and 9 entered on 2/1/2010 will be returned as 2010. If there is a need to process differently, the Translation Mask process must be used.
RR	Last two digits of year that is possibly in other century. 01 for 2001, 99 for 1999 If current YY is < 50 and RR >= 50 a year is returned in the previous century. If RR < 50 a year is returned in the current century. If current YY >= 50 and RR >= 50 a year is returned in the next century. If RR < 50 a year is returned in the current century.
MM	Two digit number of month.
MON	Three letter abbreviation of month. JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC
DD	Two digit day of the month.
DDD	Three digit Julian Date. Julian date is the number of the day of the year since Jan 1st. 005 for Jan 5th.
DDDY	Where DDD is the Julian Day and Y is the forth digit of the year, will parse a date in to the MM/DD/200Y format. This processing assumes the decade is 2000 – 2009. Example 0054 will convert to 01/05/2004.

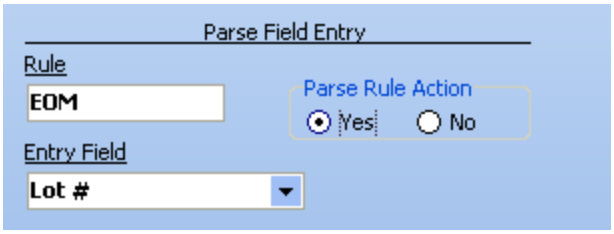
WWW	The first two characters represent the iso standard week of the year. The third character is the day of the week (Monday =1). Must be used in conjunction with Y, YY or YYYY.

- In the Test Parse Rules area of the screen, you can test the result of what data a particular mask will capture to ensure getting the desired result. Enter sample data in the String box and click on the "Try It Now" button to view the results in the boxes alongside the Parse Masks. See the example below:



- If the results are correct, click on the update button to save the data.

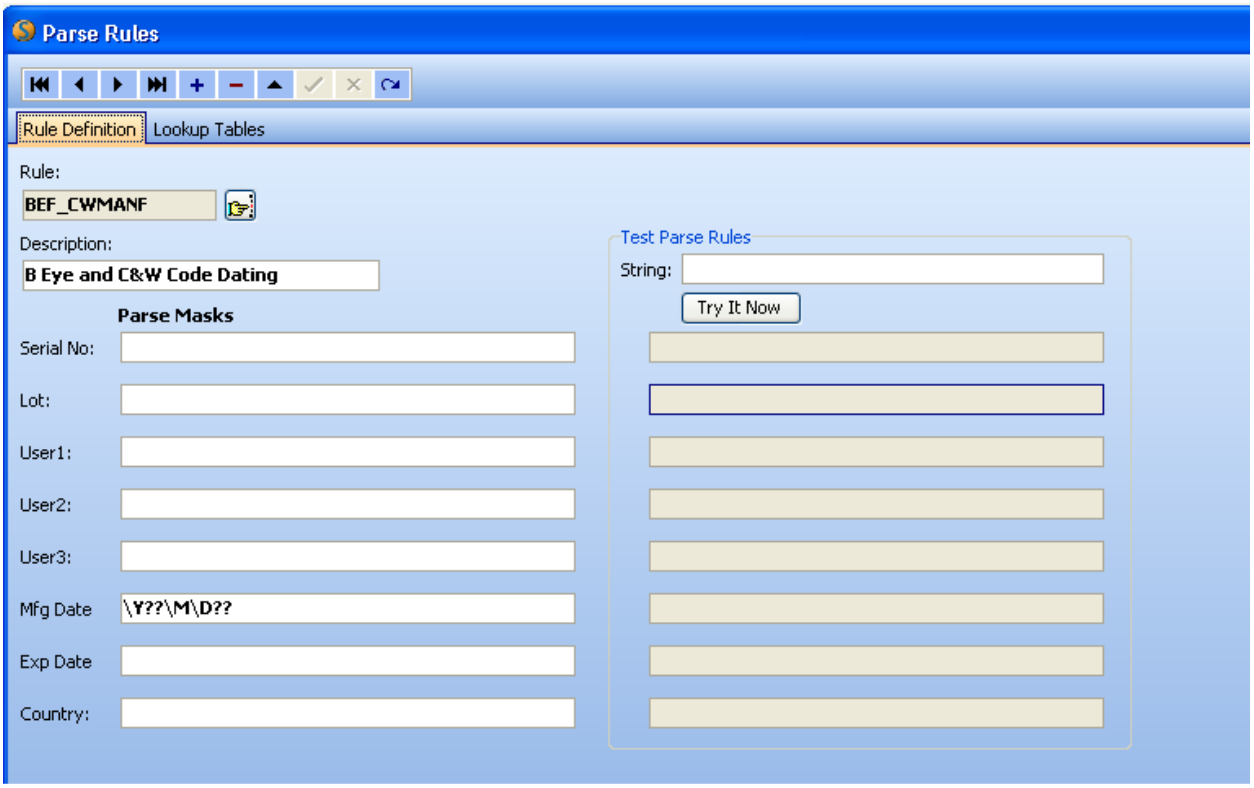
To set a Parse Rule for processing, go to one of the Option screens (Customer Maintenance/Receiving/Options, Product Group Maintenance/Receiving/Options-2, or Item Maintenance/Receiving/Options-2). In the Entry Field Parsing area of the screen select the desired rule. Set the Parse Rule Action radio button to Yes. Select the Entry Field where the scanned or entered data is to be stored. Click on the update button to save the data.



Example: The string of data shown above will be scanned into Lot Number and retained in the Lot Number data for the LP and then "parsed" into Mfg Date. Mfg Date must be a required field for the item.

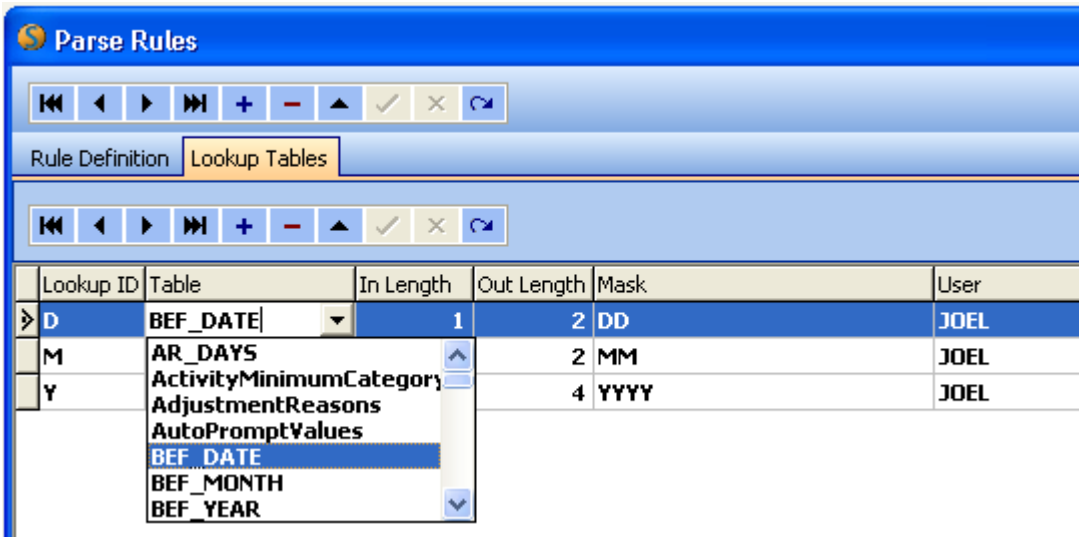
Parse Rule with Translation Masks

- The translation values are held in validation tables set up for a specific need. (Note that the "BEF_" tables are just examples).
- The parse rule indicates that the translation value is to be used for the entry with a back slash "\" followed by the Lookup ID defined on the Lookup Tables tab. For example "\M" tells the system to look at the "M" table defined on the lookup tables tab for the translation.

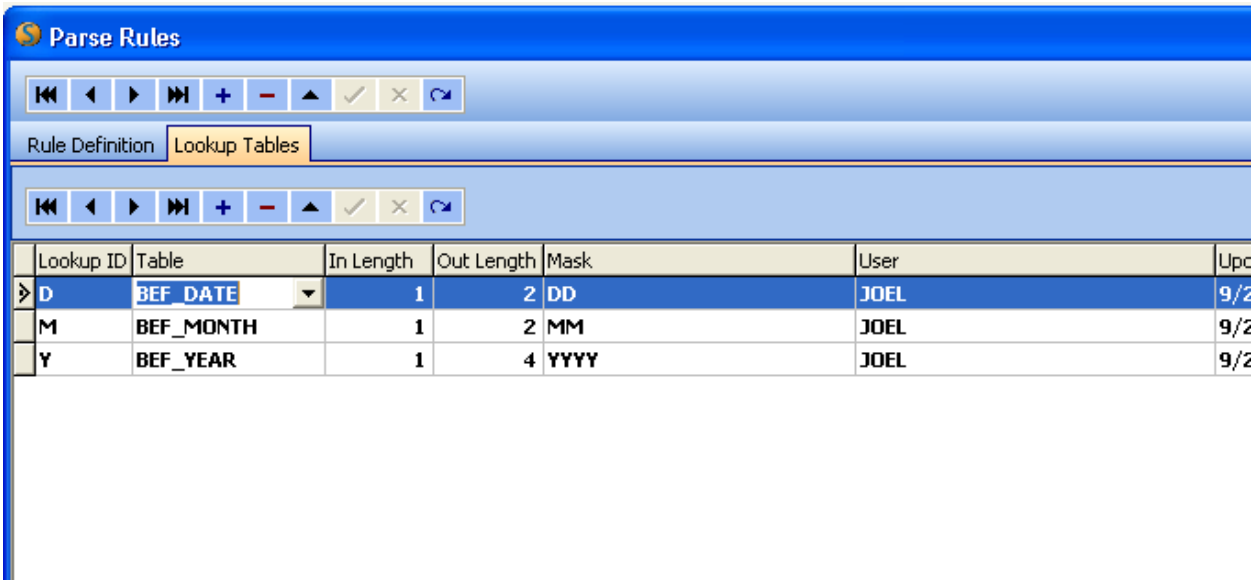


The tab, Lookup Tables, on the parse rule screen for lookup definitions. It consists of the following columns:

- Lookup ID 1 character 0-9or A-Z
- Table This allows the Drop down option to specify the validation table for translation. See the example below.



- In Length the number of characters in the input string to use for the lookup
- Out Length the number of characters in the output string that replaces the input string
- Mask 10 characters the replacement mask for the new fields must be the same length as specified in the out length.



The first step is to create validation tables for the translation. This is done from the Setup/Validation Tables menu item. Use the columns as follows:

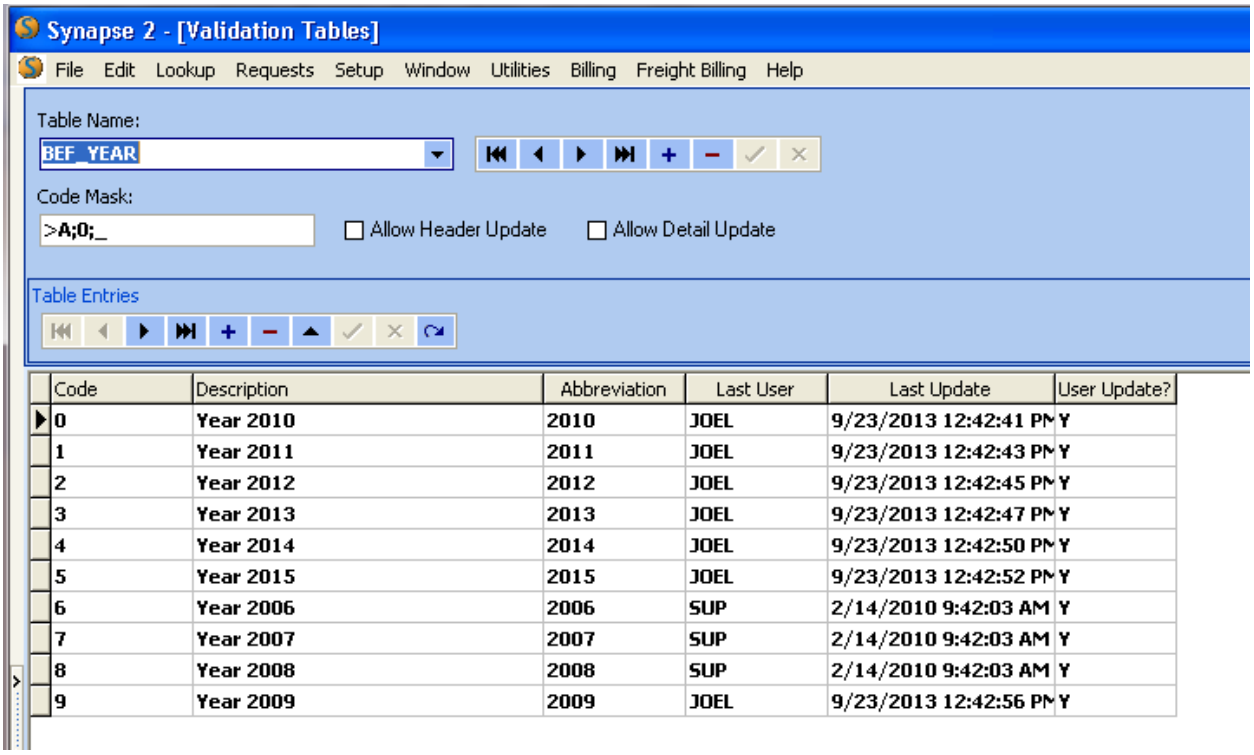
- Code The value entered in the system
- Description For informational purposes
- Abbreviation The value to be returned

See the examples below:

Sample data for year translation

0-9				
0=2010	1=2011	2=2012	3=2013	4=2014
5=2015	6=2006	7=2007	8=2008	9=2009

Sample Validation Table for Year

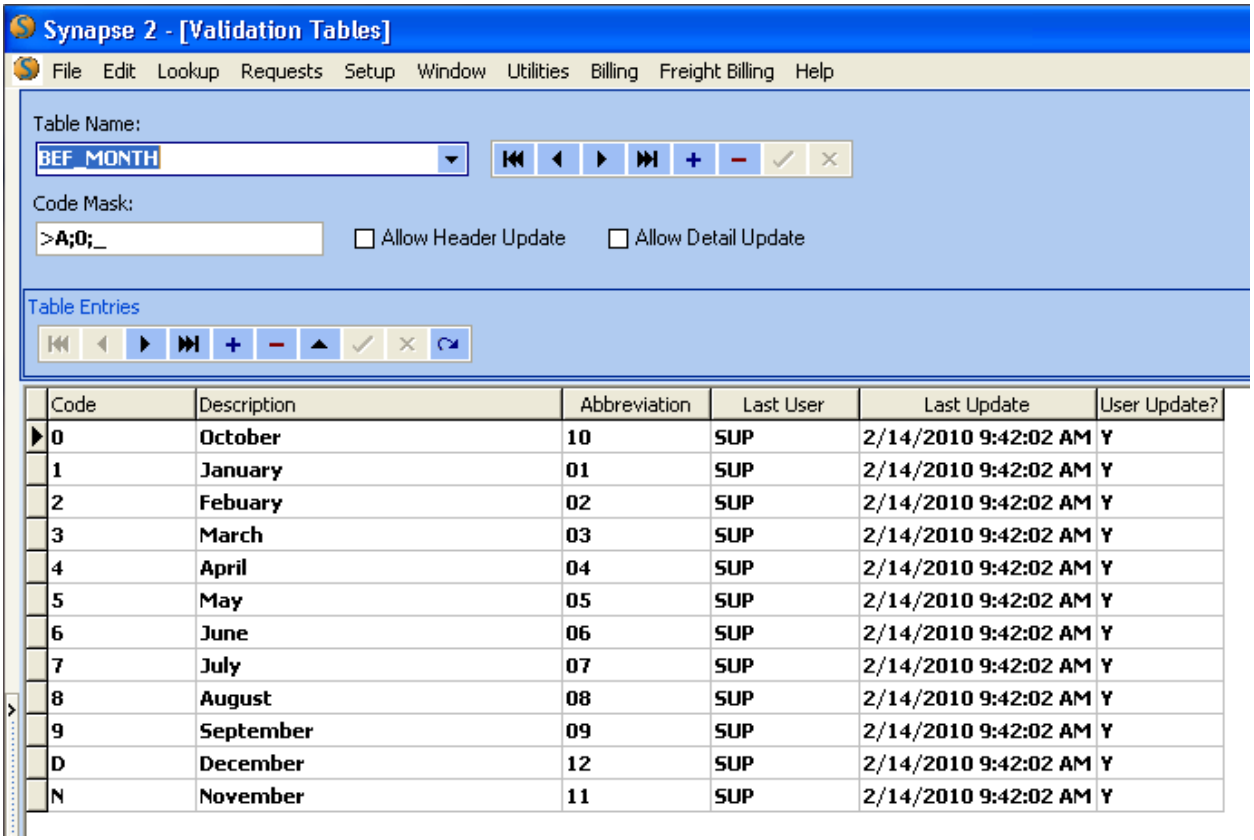


Code	Description	Abbreviation	Last User	Last Update	User Update?
0	Year 2010	2010	JOEL	9/23/2013 12:42:41 PM	Y
1	Year 2011	2011	JOEL	9/23/2013 12:42:43 PM	Y
2	Year 2012	2012	JOEL	9/23/2013 12:42:45 PM	Y
3	Year 2013	2013	JOEL	9/23/2013 12:42:47 PM	Y
4	Year 2014	2014	JOEL	9/23/2013 12:42:50 PM	Y
5	Year 2015	2015	JOEL	9/23/2013 12:42:52 PM	Y
6	Year 2006	2006	SUP	2/14/2010 9:42:03 AM	Y
7	Year 2007	2007	SUP	2/14/2010 9:42:03 AM	Y
8	Year 2008	2008	SUP	2/14/2010 9:42:03 AM	Y
9	Year 2009	2009	JOEL	9/23/2013 12:42:56 PM	Y

Sample data for month translation

1=Jan	7=July
2=Feb	8=Aug
3=Mar	9=Sept
4=April	0=Oct
5=May	N=Nov
6=June	D=Dec

Sample Month Validation Table

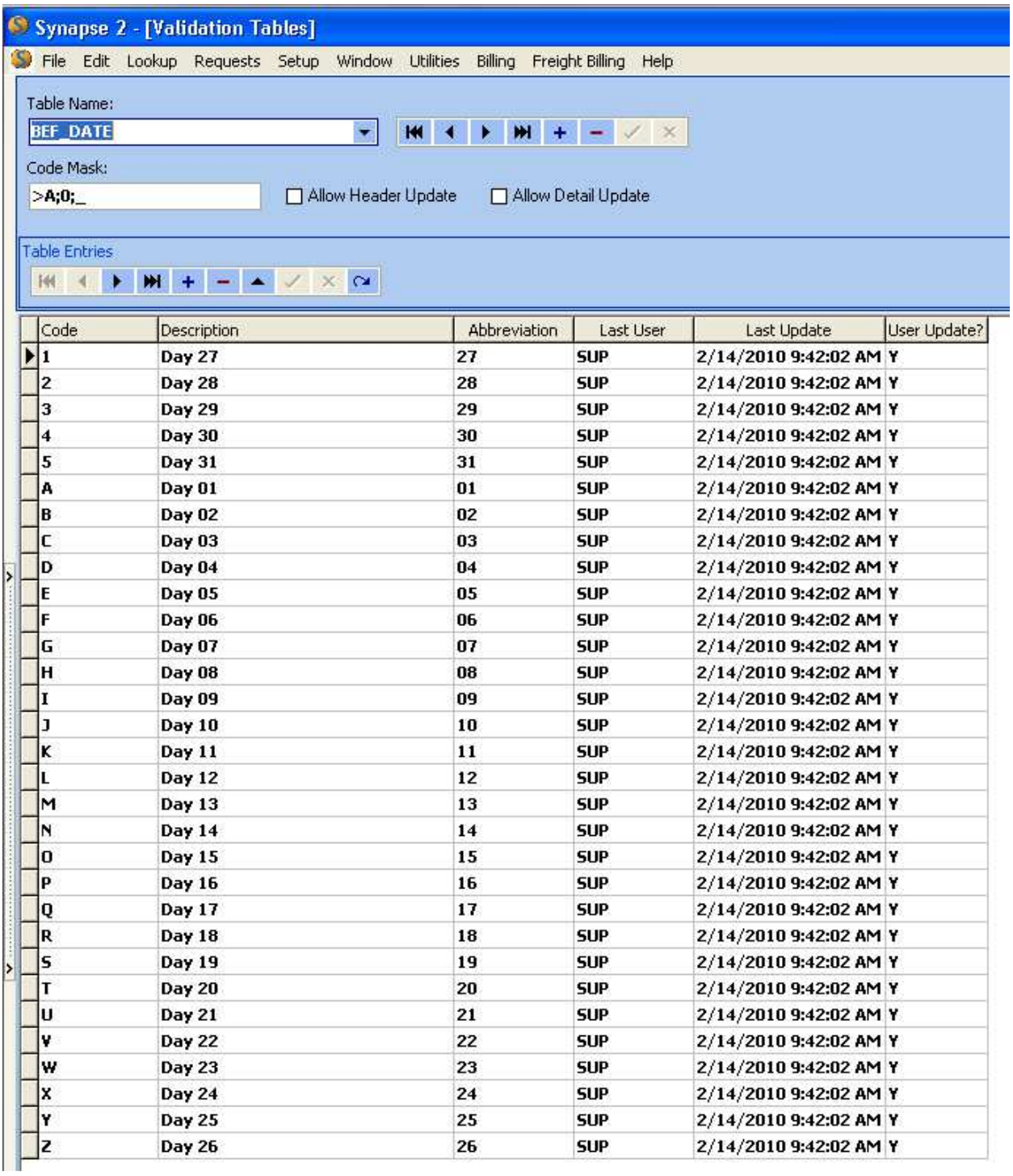


Code	Description	Abbreviation	Last User	Last Update	User Update?
0	October	10	SUP	2/14/2010 9:42:02 AM	Y
1	January	01	SUP	2/14/2010 9:42:02 AM	Y
2	Febuary	02	SUP	2/14/2010 9:42:02 AM	Y
3	March	03	SUP	2/14/2010 9:42:02 AM	Y
4	April	04	SUP	2/14/2010 9:42:02 AM	Y
5	May	05	SUP	2/14/2010 9:42:02 AM	Y
6	June	06	SUP	2/14/2010 9:42:02 AM	Y
7	July	07	SUP	2/14/2010 9:42:02 AM	Y
8	August	08	SUP	2/14/2010 9:42:02 AM	Y
9	September	09	SUP	2/14/2010 9:42:02 AM	Y
D	December	12	SUP	2/14/2010 9:42:02 AM	Y
N	November	11	SUP	2/14/2010 9:42:02 AM	Y

Sample data for day translation

A = 1	P = 16
B = 2	Q = 17
C = 3	R = 18
D = 4	S = 19
E = 5	T = 20
F = 6	U = 21
G = 7	V = 22
H = 8	W = 23
I = 9	X = 24
J = 10	Y = 25
K = 11	Z = 26
L = 12	1 = 27
M = 13	2 = 28
N = 14	3 = 29
O = 15	4 = 30
	5 = 31

Sample Day Validation Table

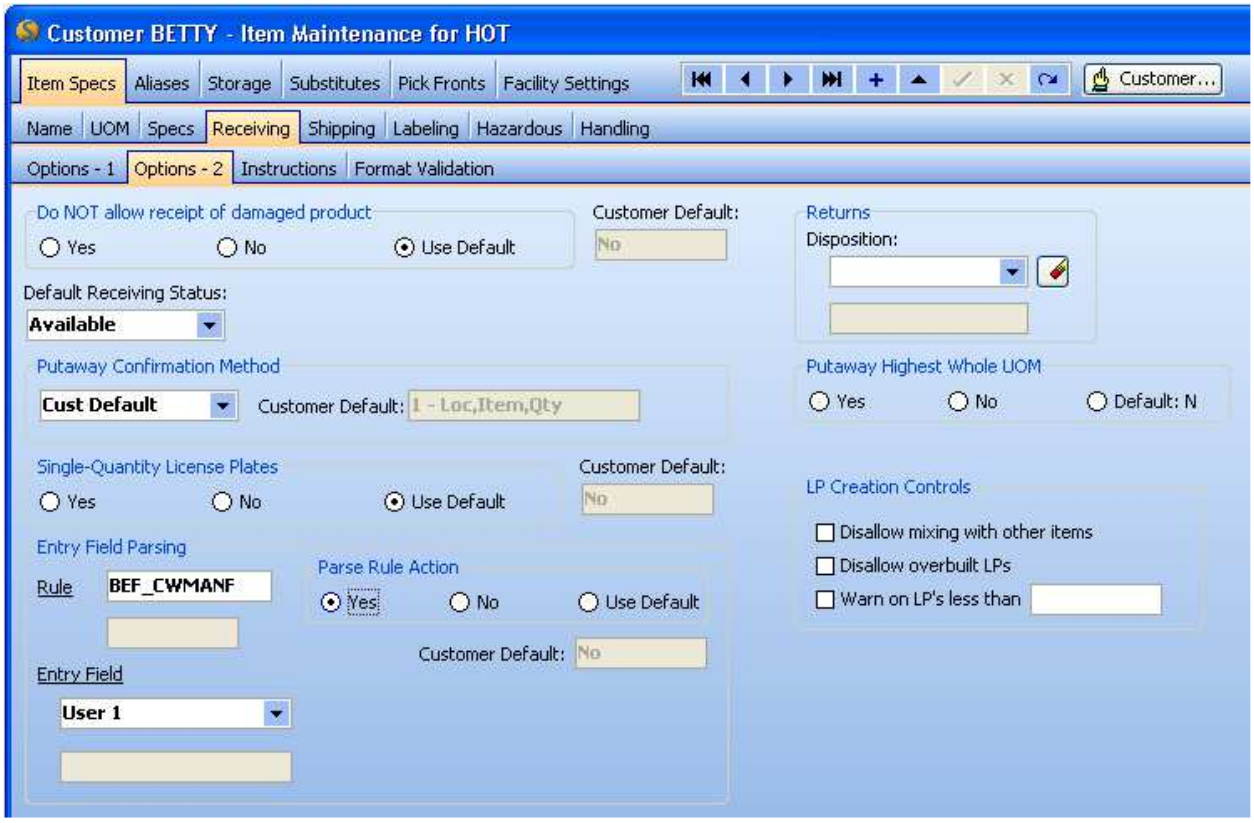


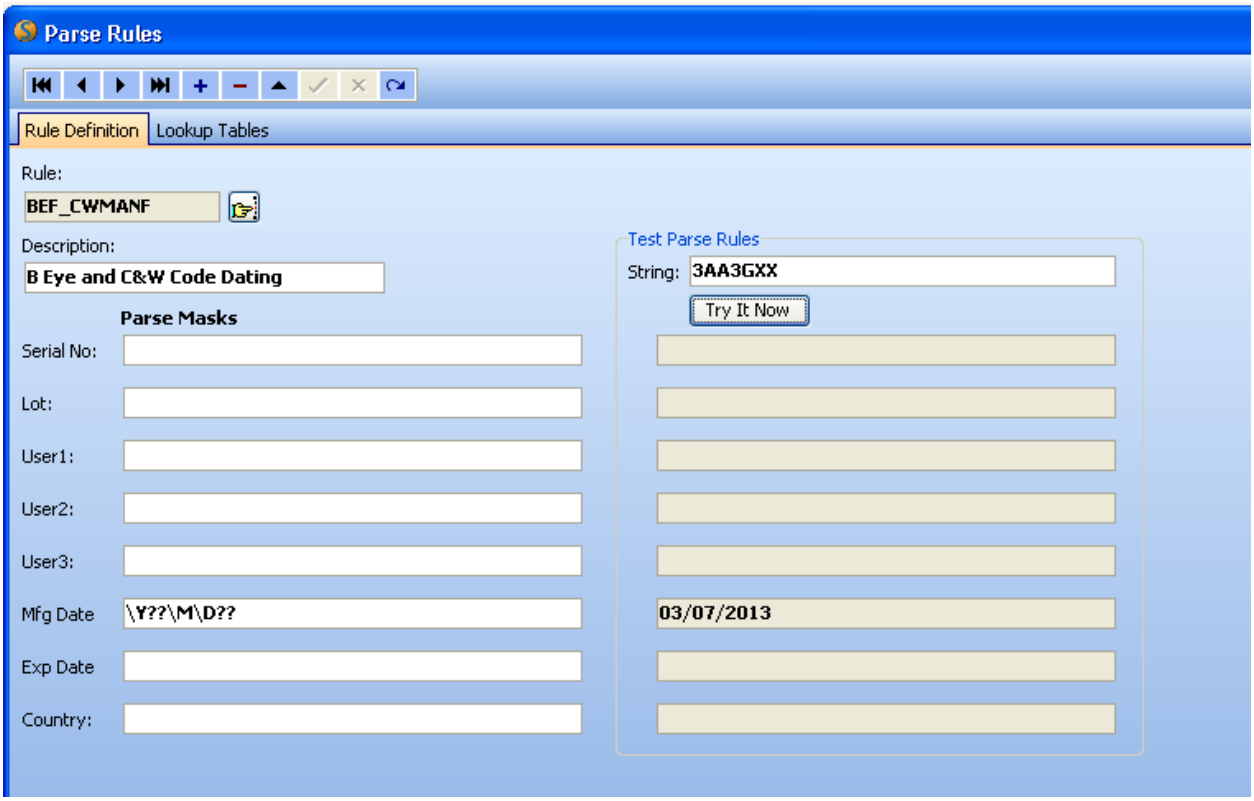
Code	Description	Abbreviation	Last User	Last Update	User Update?
1	Day 27	27	SUP	2/14/2010 9:42:02 AM	Y
2	Day 28	28	SUP	2/14/2010 9:42:02 AM	Y
3	Day 29	29	SUP	2/14/2010 9:42:02 AM	Y
4	Day 30	30	SUP	2/14/2010 9:42:02 AM	Y
5	Day 31	31	SUP	2/14/2010 9:42:02 AM	Y
A	Day 01	01	SUP	2/14/2010 9:42:02 AM	Y
B	Day 02	02	SUP	2/14/2010 9:42:02 AM	Y
C	Day 03	03	SUP	2/14/2010 9:42:02 AM	Y
D	Day 04	04	SUP	2/14/2010 9:42:02 AM	Y
E	Day 05	05	SUP	2/14/2010 9:42:02 AM	Y
F	Day 06	06	SUP	2/14/2010 9:42:02 AM	Y
G	Day 07	07	SUP	2/14/2010 9:42:02 AM	Y
H	Day 08	08	SUP	2/14/2010 9:42:02 AM	Y
I	Day 09	09	SUP	2/14/2010 9:42:02 AM	Y
J	Day 10	10	SUP	2/14/2010 9:42:02 AM	Y
K	Day 11	11	SUP	2/14/2010 9:42:02 AM	Y
L	Day 12	12	SUP	2/14/2010 9:42:02 AM	Y
M	Day 13	13	SUP	2/14/2010 9:42:02 AM	Y
N	Day 14	14	SUP	2/14/2010 9:42:02 AM	Y
O	Day 15	15	SUP	2/14/2010 9:42:02 AM	Y
P	Day 16	16	SUP	2/14/2010 9:42:02 AM	Y
Q	Day 17	17	SUP	2/14/2010 9:42:02 AM	Y
R	Day 18	18	SUP	2/14/2010 9:42:02 AM	Y
S	Day 19	19	SUP	2/14/2010 9:42:02 AM	Y
T	Day 20	20	SUP	2/14/2010 9:42:02 AM	Y
U	Day 21	21	SUP	2/14/2010 9:42:02 AM	Y
V	Day 22	22	SUP	2/14/2010 9:42:02 AM	Y
W	Day 23	23	SUP	2/14/2010 9:42:02 AM	Y
X	Day 24	24	SUP	2/14/2010 9:42:02 AM	Y
Y	Day 25	25	SUP	2/14/2010 9:42:02 AM	Y
Z	Day 26	26	SUP	2/14/2010 9:42:02 AM	Y

Example:

Below is an example of a translation parse rule where manufacturing date was derived from the user1 field.

Item Setup would look like:

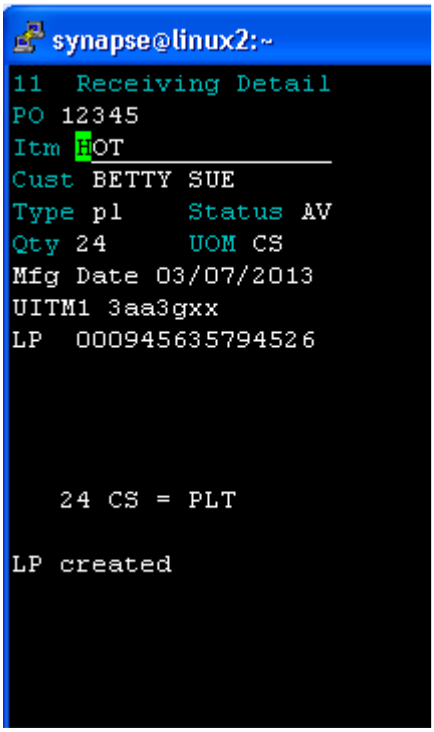




When the value “3AA3GXX” is entered into the User 1 field, the manufacturing date is populated with the date 03/07/2013. The Manufacturing Date is a required field for that item.

In this case:

- 3 = 2013 year
- 3 = 03 month
- G = 07 day



Additional Notes

The Edit/Receive Load screen and RF receiving support the capturing of the data and the parsed value will be edited for the desired result. Location Load (option 91) does not support the parsing logic.

If a parse value for a date is invalid, the date value will appear as 'in/va/lid' in the date value on the RF. The value should be reviewed and re-entered if necessary. To have the system convert the new entry, a valid date must be entered in the Manufacture or Expiration date field (this date can be the current date-the date just needs to be a valid calendar date). The system reads the screen from top to bottom. With the valid date in the Manufacture or Expiration date field, it allows the system to proceed down to the Lot # field and convert the new entry.

Remember, the parse rule works in tandem with the field(s) to be populated. If part of the lot id needs to translate to the MFG date (for example), the MFG date must be **required** for the item.