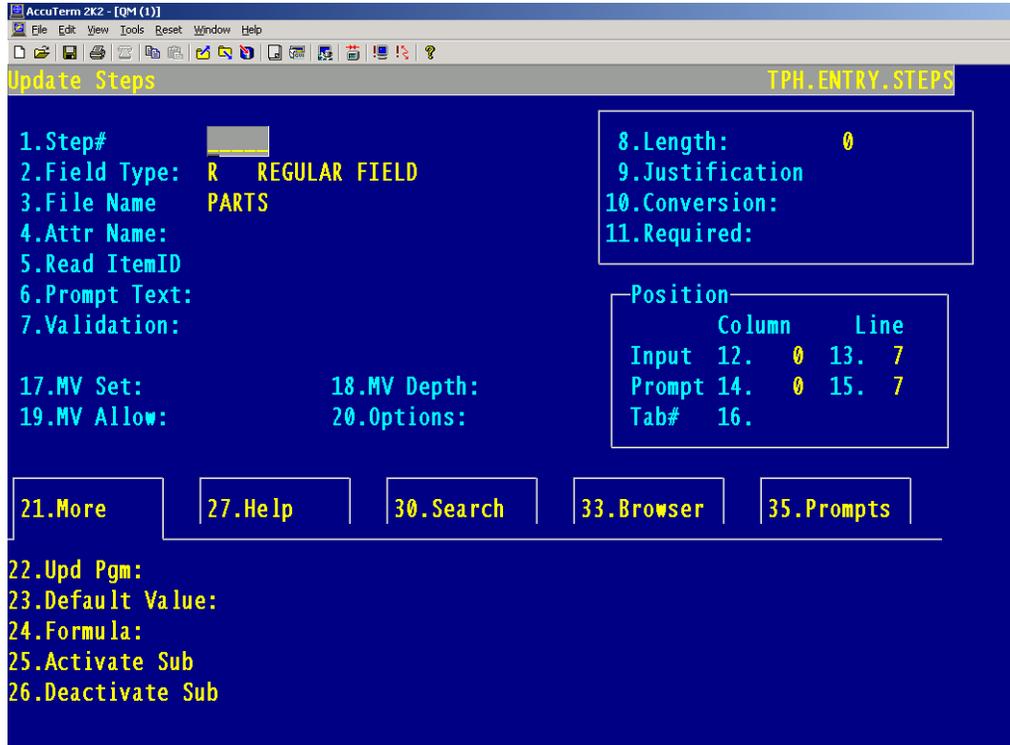


# Defining Data Entry Steps

Version 1.3



Step Detail:

1. Step# The prompt order of fields. Multivalued fields are e.g., 8.1, 8.2 etc. At file time all fields are renumbered in this order, going right to left, top to bottom. Step 0 is the item id. Step. 0.1 is the 1<sup>st</sup> part of a multipart ID, 0.2 the 2<sup>nd</sup> part, etc.

2. FieldType:

- R Regular Field (No special processing)
- F File Validation
- T Lookup table
- TD Display from table (must be linked to a T field)
- D Display field (must be an F to the same file)
- N Named Pattern
- S Single Character (e.g. one of YN, ABC, etc.)
- R Lookup table but do as radio buttons (GUI Only)
- NU Non Updatable
- B Boolean (Y/N, Checkbox in GUI)
- SU Subroutine. Will call the event subroutine listed in step 7

3. File Name	Will default to main file for all but Display Fields. Here you put the name of the file of the display field.
4. Attribute Name	Attribute name for this step. Must exist on File Name. Can also be "WORK,XXX" which will create a work field (i.e. not on the file)
5. Read Item ID	For display fields only, the Attribute used to read the other file. If TD field type this is the attribute name of the T field
6. Prompt Text	Text to display on the screen
7.Validation	Depends on the value of Validation Type: If T this is the Table Name If P this is the named pattern If S this is the valid characters (e.g., YN) If F this is the name of the file to validate against <b>Note:</b> Nothing is displayed from the other file. This is a change from earlier releases. Must define a D field for this. If SU this is the name of the Event Subroutine to call.
8.Length	Maximum Length allowed. Max displayed for Ticker Tape
9.Justification	L = Left, R=Right
10.Conversion	Conversion Code to be applied (e.g., MD2, D2/, etc.)
11.Required	Y = data entry required
12.Input Line	Screen Row where input is done
13 Input Column	Screen Column where input is done
14.Prompt Line	Screen Row where Prompt Text is displayed
15.Prompt Column	Screen Column where Prompt Text is display
16.Tab#	If on a tab control, on which tab number is this field
17.MV Set	A short text string used to tie together all the fields in a MV Set.
18.MV Depth	The depth of the MV Set, i.e. how many values displayed.
19.MV Allow	Contains one or more of the following:  A Can Add valutes D Can delete values I Can insert values U Can update values.
20.Options:	A grab bag of things:  T Default to today's date

D A datestamp field (i.e. today's date written when filed)  
 L Default to last value entered  
 C Changes not allowed (i.e. you can enter a value if null)  
 B Blanks not allowed  
 U GS Only: All upper case (lower case automatically converted)  
 P GS Only: "Ticker tape" entry: no max length but will scroll horizontally  
 I GUI Only, with File Validation: Will show all values from the validation file in a drop down list  
 Wnn A text area of nn lines deep  
 Snn Allow up to nn values to be entered

21. More Will display the "More" tab
22. Update Program File Validation Only. TPH Generated program than can be called to add new items or update the existing (for example, add/update customers from an order entry screen.)
23. Default Value Default value on new items. This can be a formula. If it is a constant it must be in quotes (e.g. "N", "CA", etc.)
24. Formula Enter the formula if a calculated field (automatically non-updatable) If the attribute name is not a valid Basic variable name it must be surrounded by N(...), eg:  

$$N(QTY-ORDERED)*N(NET-PRICE)$$

$$QTY.ORDERED*NET.PRICE$$
 All "variables" must exist on the current screen.  
 Also can be +ATTR where ATTR is a multivalued field. This will calculate the sum of the mv field.
25. Activate Sub Event Subroutine to be called when the field is activated (i.e. before input). See document on event subroutines for more info.
26. Deactivate Sub Event Subroutine to be called after input and any validations. See document on event subroutines for more info.
- 27..Help Will display the "Help" tab
- 28 Help Message Help Message to display (as "Tool Tip" in GUI)
- 29.Extended Help A more detailed help message.

30. Search Will display the “Search” tab. The fields on this tab only apply to file validation fields. They let you modify the search parameters
31. Sort Results Clause The lookup routines will return records in the order they are kept in the index. This can have unpredictable results and you can change to sort sequence here, e.g. ‘BY-DSND ZIP BY NAME’
32. Browse Filter Clause A query clause that can be used to filter the results of the index lookup. For example a customer search might have ‘WITH STATUS # “I”’ to exclude inactive customers
33. Browser Will display the “Browser” tab. The fields on this tab only apply to file validation fields. They let you modify what is display when searching (“browsing”). These will override the same fields on the file definition screen.
- 31.1 Attribute The attribute to be displayed. Any conversion will be applied
- 31.2 Col Header The heading to use on the browse screen. This overrides what may be in the dictionary record.
- 31.3 Options This is not currently used, but will be at some point 😊
35. Prompts Will bring up the Prompts tab. This allows you to set the prompt text for alternate languages. If you are just using a single language they you will not need to use this tab.
36. XXXXXX The prompt text in up to 5 addition languages
37. XXXXXX The languages used come from the item LANGUAGES
38. XXXXXX in the file TPH-TABLES.
39. XXXXXX
40. XXXXXX