

Service Request 16920
PPS Requirements
New Table Edit for Data Element Table
10/31/03

Background

The EDB Maintenance process uses information from the Data Element Table to limit the entry of data to specific valid values.

- The Range/Value field provides for entry of a number of unique valid values (by entering each value preceded by a 'V') or one or more ranges of valid values (by entering the range preceded by an 'R').
- The Table Edit field provides for entry of a number which will point to a specific routine in the USER06 program. Each routine invokes a lookup of the value in a specific table. For example, Home Department data element 0114 is set up on the Data Element Table with Table Edit T02. When a value for Home Department is entered on online screens or in batch transactions, valid home department codes are looked up in the Home Department Table.

The Table Edit option is typically established when there is an existing table containing all the values of the data element, or when the range value field does not provide enough space to store all the allowable values for a field. For example, there are over 200 country codes, so a separate Foreign Country Table was established, and valid values are looked up in that table.

To avoid having to create new unique Control Tables for every data element where the number of valid values exceeds the capacity of the range/value field on the data element table, it has been suggested that for many data elements, the look up and validation could be done against the Code Translation Table (CTT).

Requested Modification

Establish a new Table Edit on the Data Element Table to allow validation of valid values by looking up the data element on the Code Translation Table. The edit should validate that there is at least one entry¹ on the Code Translation Table for the EDB data element number and code value being updated. If there is no matching entry, an error message should be issued. Existing message 'Field out of range or illegal value' (P0601 online and 06-106 batch) could be issued, or if possible a new message with the text 'Data Element value not present on CTT' could be issued.

Translations for data elements that are no longer valid for input are sometimes retained on the CTT so that historical data can be translated. For example, the translation for a medical plan that is no longer offered needs to be retained so that the correct medical plan name is displayed on the UC For Yourself paystub information from the prior year. A way to identify CTT entries as obsolete should be provided, and the process that looks up valid values should bypass codes flagged as obsolete.

¹ Note that there can be multiple entries on the CTT for a single data element to provide for translations of different lengths. For the purposes of this edit, the translation length does not need to be checked; the edit can consider the entered value to be valid as soon as it finds the first matching value on the CTT.