

Readme first file:

**(1) On 4/18/01, the BLS database was changed to associate channels and emissions with antennas.**

Tables eng\_emission and eng\_chan now have two new data elements: tower\_num (position 2) and ant\_num (position 3) Previous data elements occupying positions 2 and 3 have been moved down in the table along with the other data elements. These data elements are part of the primary key and are defined in the data dictionary.

When a station has more than one antenna, emissions and channels should be associated with the proper antenna. The BLS database was changed to place channels and emissions under the antenna they are associated with. This allows for multiple antennas, with 1 or more emissions per antenna and one or more channels per antenna. It required the addition of two additional data elements (tower\_num and ant\_num) to tables eng\_emission and eng\_chan, as part of the primary key. This has been changed in the BLSzip download. Table documentation and the table relationship chart also reflect this change.

Note: For "Hubs" the tower\_num and ant\_num have been automatically set to 1 for consistency. Hubs have channels associated with them.

**(2) On 4/18/01, a flag (flag\_27\_83) in the BLS eng\_coords table was set to "s" (Satellite – NAD 83) for all 2-way applications submitted on Form 331.**

Instructions for filing 2-way applications required that transmitter coordinates be submitted in NAD 83. In the database, there is a flag in the eng\_coords table that indicates whether the coordinates are in NAD83 (flag\_27\_83 = "s") or NAD27 (flag\_27\_83 = "m"). This flag was set on 4/18/01, to "s" for all 2-way applications filed on Form 331. A conversion program will be run at a later date to convert all coordinates to NAD 83 that are still in NAD 27. This will include the center coordinates for protected service areas that are all in NAD 27.