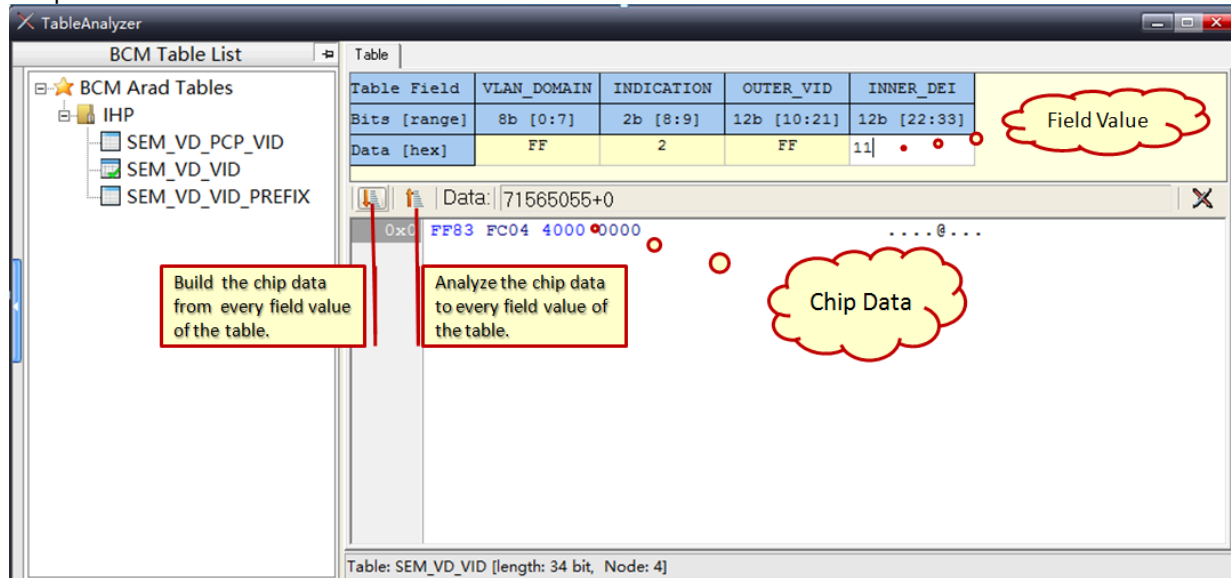# The Table Analyzer Instructions

Table Analyzer has two main functions.

One is to analyze the chip data to every field value of the table.

The other is to generate the chip data from every field value of the table.

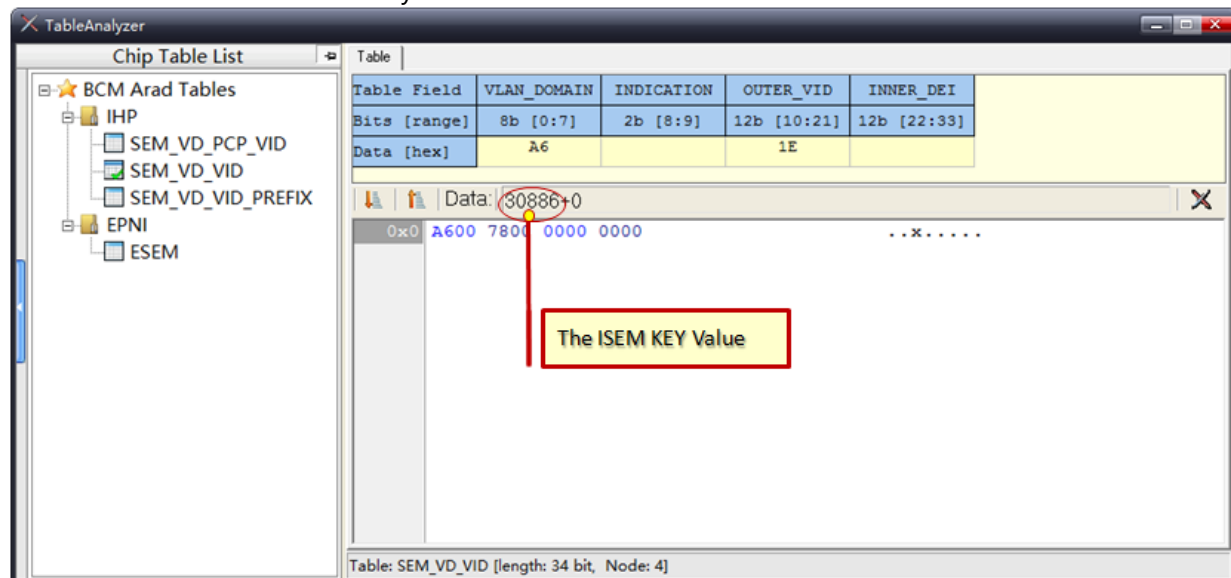Table Analyzer makes it easily to configure and understand chip table data.

1. Operation instructions:

For example: According to ucPort ID and the packet vlan, build the ISEM Key for lookup inLif.
a. select the SEM_VD_VID table, input "ucport: 166" and vlan "30", press the buid data button.
b. the first data "30886" is the ISEM key .

2. Add a new chip table:

Step 1: create a table file named "newtablename.tat" under the directory "tables" that is a sub-directory of the tool installed directory;

The table format is the xml format defined as the below graphic illustrated.

The Table Name, The Field description, The Field length, The Field Name, Fields order by ascending

Step 2: Edit the File "BCMAradTables.tap" to add the new table like this:

Add the Item for new table, The table name, The table file name

Reopen Table Analyzer, the new table can work.