

HOW TO IMPORT A MIB INTO DEVICETESTER

To import a MIB in ASN.1 format into a Device Tester master table follow these steps:

- 1) Since the SMIC compiler is a DOS utility, your MIB file name must be in DOS 8.3 format. If it is not, rename the file to maximum 8 characters (no spaces) with the 3 character extension “.mib”.
- 2) Copy the MIB to the DeviceTester support files directory (if you installed DeviceTester to the default directory, it will be <C:\Program Files\DeviceTesterForNtcip\SupportFiles>).
- 3) Select the menu option **Tools / Import MIBS...** to open the Master Table Builder.

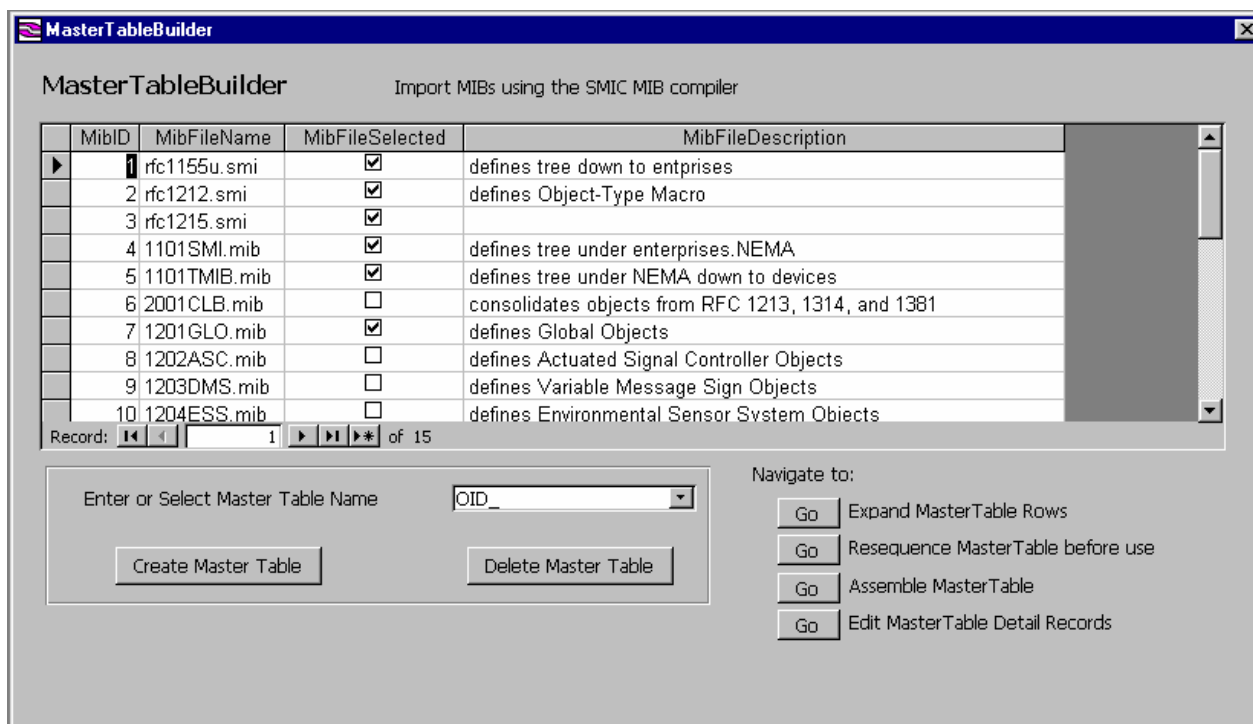


Figure 1. Master Table Builder screen

- 4) Select standard MIB files to include. You will almost always need the first three “rfc” MIBs. If your MIB includes objects under the NEMA private branch then you will need the first five MIB files. Uncheck any MIB files you do not want included in your Master Table.
- 5) Add your MIB file name to the list. In the entry record of the on screen table (the last record, which begins with “* 0”, enter:
 - a. A unique MibID, which should be the next sequential number following the one above
 - b. The MIB file name
 - c. MibFileSelected checked
 - d. An optional description

- 6) Enter a name for the master table in the “Enter or Select Master Table Name” box. It does not have to begin with OID_, but all the included master tables do.

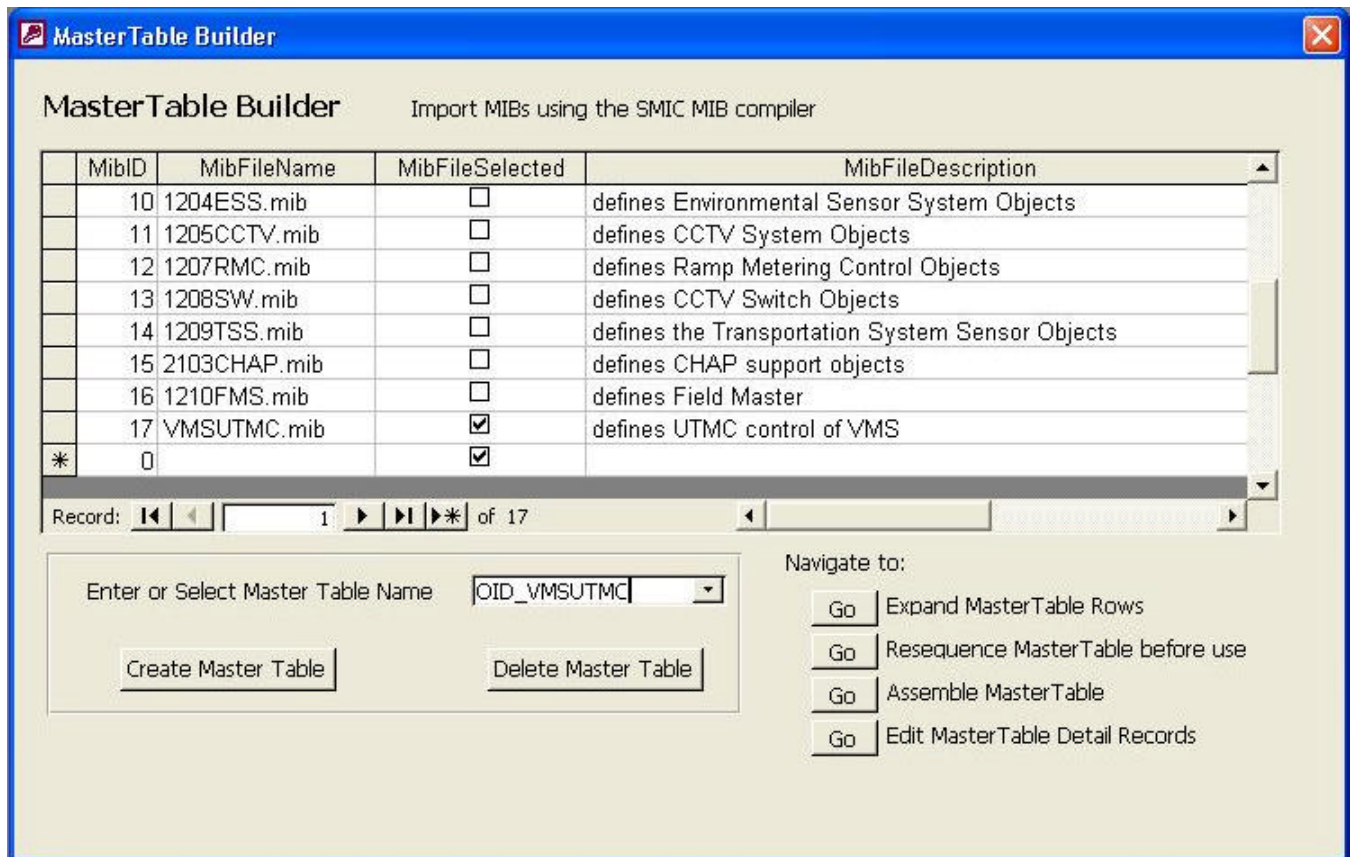
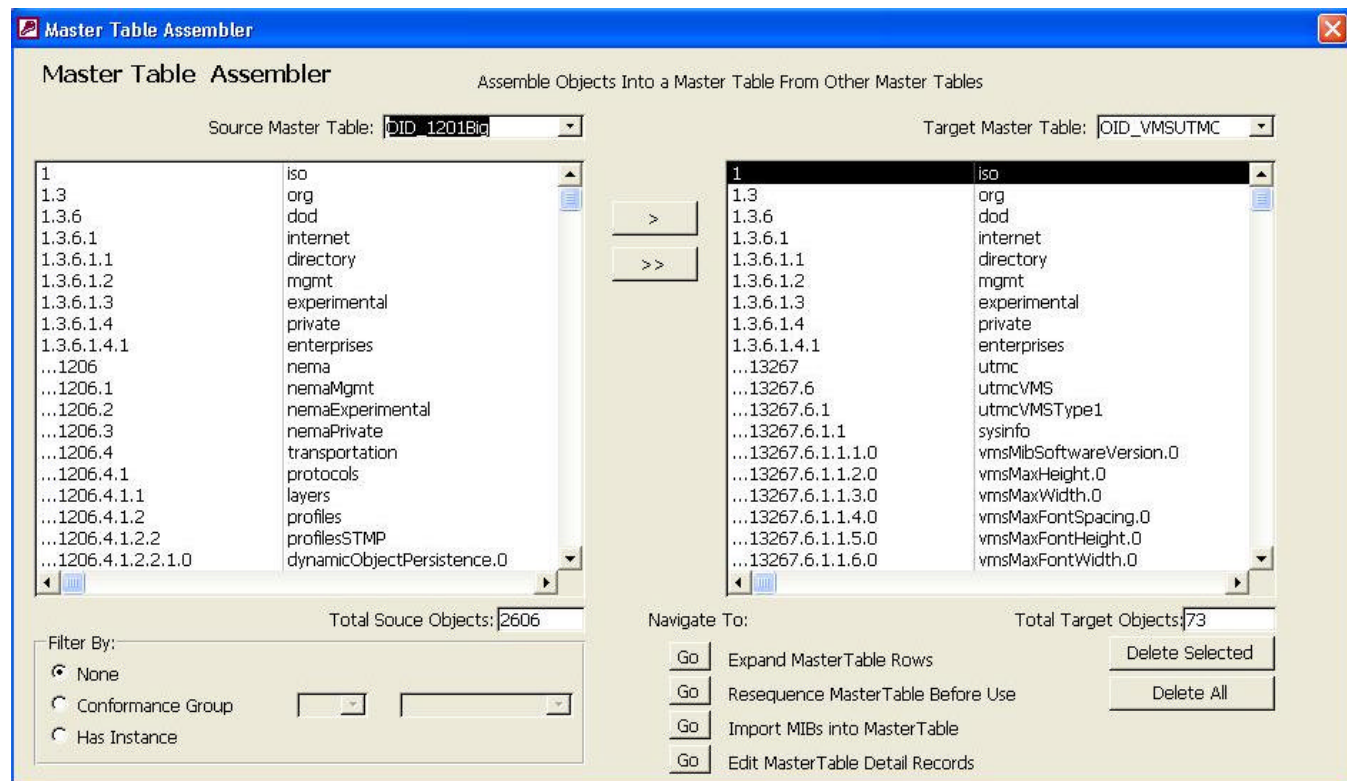


Figure 2. Information to build OID_VMSUTMC added

- 7) Click on the “Create Master Table” button.
- 8) If you get a message that there were errors, examine the OUTPUT.TXT file (in the same Support Files directory where you placed the MIB). Correct any problems in the MIB and try “Create Master Table” again.

The SMIC MIB Compiler does have a size limitation. A compile failure may indicate that you have exceeded that limit. If this happens, you will need to deselect one or more of the MIBs that you had selected and compile with fewer MIBs or maybe even split your MIB into two or more parts. You can then create Master Tables for each part, and use the Master Table Assembler to merge them into one “master” Master Table.

- 9) The compiler often generates empty records which must be removed from the Master Table. So next click on “Go Assemble Master Table”.



- 10) In the Master Table Assmbler, first select a “Source Master Table” in the upper left pull down menu. Select any master table, it does not matter which since we will not actually be modifying it
- 11) For “Target Master Table” select your new master table. If there are any empty rows in the display, select them and then click on the “Delete Selected” button.
- 12) Once there are no more empty rows, click on “Go Resequence Master Table Before Use”.
- 13) In Master Table Resequence select your new master table in the pull down menu, then click on the “Resequence OID’s” button. A warning will pop up that any device data that uses this table will be lost, click OK.

Your master table is now ready to use. To create a device that uses the new table:

- 1) From the main menu bar select **Device / Device Types...** , then click “New”. Select your new master table as the “Device Type Master Table” and enter a name and description for your new device type.
- 2) From the main menu bar select **Device / Devices...** , then fill in the upper “Create Device” section. Select your new device type as “Device Type Name”, select a connection, and enter a device name and description. For serial connections enter the device address; for Ethernet connections that do not use the CDPD option enter a zero for the device address.

You can now use this new device in EasyTest, ScriptBuilder and other DeviceTester functions.