RENESAS Tool News

A Note on Using Emulator Debuggers M3T-PD308F V.2.00 Release 1 and M3T-PD308 V.4.00 Release 1

Please take note of the following problem in using emulator debuggers M3T-PD308F for the M32C/80 series and M3T-PD308 for the M32C/80 and M16C/80 series of MCUs:

- On downloading ELF/DWARF2.0-formated object files created by IAR Systems' EWM32C C/C++ compiler.

1. **Products and Versions Concerned**
   M3T-PD308F V.2.00 Release 1
   M3T-PD308 V.4.00 Release 1

2. **Description**
   When the symbol information of ELF/DWARF2.0-formated object files created by the EWM32C C/C++ compiler is being downloaded, the emulator debugger PD308F/PD308 may be terminated abnormally.

   2.1 Conditions
   This problem occurs if the following two conditions are satisfied:

   (1) One source file includes more than 63 files.
   Note, however, that in all the include files, only those that have not their own include files are counted among the above number of include files. For example, if include file A includes file B that has not its own include files, file B is counted among the number of files, but file A is not.

   (2) In the 63 or more include files in (1) above exists more than one file in which execution code is written.

3. **Workaround**
   This problem can be circumvented by using the problem-fixed DLL file for each product. So,

please replace the DLL file in your product with the above-mentioned one as follows:

(1) Download the problem-fixed DLL file you want.
   The compressed file for each product is as follows:
   p308fedll.exe (569KB) for M3T-PD308F
   p308edll.exe (563KB) for M3T-PD308

(2) Decompress the downloaded file to obtain the p308fedll.dll or p308edll.dll file. The versions of them are both V.1.20.01.

(3) With the decompressed file, overwrite the old p308fedll.dll or p308edll.dll file in the folder where the M3T-PD308F or M3T-PD308 resides.

(4) Confirm the version of the new DLL file.

   (a) Launch the M3T-PD308F or M3T-PD308.

   (b) Open the Help menu and select About; then the Version dialog box opens, on which the version of the problem-fixed DLL file will be displayed.

   (c) Confirm the version is V.1.20.01.

4. **Schedule of Fixing the Problem**
   We plan to fix this problem in our next release of the products.