RENESAS Tool News

A Note on Using the M3T-NC308WA and M3T-NC30WA C-Compiler Packages
--On Using the -OFFTI Compile Option--

Please take note of the following problem in using the M3T-NC308WA and M3T-NC30WA C-compiler packages:

- On using the -Oforward_function_to_inline (-OFFTI) compile option

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1. **Products and Versions Concerned**
   M3T-NC308WA V.5.20 Release 1
   (for the M32C/90, M32C/80 and M16C/80 series)

   M3T-NC30WA V.5.30 Release 1
   (for the M16C/60, M16C/30, M16C/Tiny, M16C/20, M16C/10, and R8C/Tiny series)

2. **Description**
   If compile options -Oforward_function_to_inline (-OFFTI) and -g are selected at the same time, debug information cannot be generated though assembler code is generated properly.

3. **Workaround**
   Don't select compile option -OFFTI. And, if an inline function that is forward-addressed is contained in the C-language program, change the place of the inline function so that it can be backward-addressed.

   Example Original:
   ```
   ----------------------------------------------------------------------
   inline  void   sub(void);

   void    main(void)
   {
        sub();      /* Forward-addressed inline function called */
   ```

```
      }

      inline  void  sub(void)
      {
       ...........................................................
      }
      ---------------------------------------------------------------------

      Example Modified:
      ---------------------------------------------------------------------
      inline  void  sub(void)
      {
       ...........................................................
      }

      void    main(void)
      {
           sub();     /* Backward-addressed inline function called */
      }
      ---------------------------------------------------------------------
```

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