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

- On nesting inline functions

1. **Products and Versions Concerned**
   
   The C-compiler package for the M32C/80 and M16C/80 series:
   
   M3T-NC308WA V.5.00 Release 1 through V.5.20 Release 1

   The C-compiler package for the M16C/60, M16C/30, M16C/Tiny, M16C/20, M16C/10, and R8C/Tiny series:
   
   M3T-NC30WA V.5.10 Release 1 through V.5.30 Release 1

2. **Description**
   
   When an inline function that takes a parameter is nested, it may refer to an incorrect argument (a variable, not an argument).

3. **Conditions**
   
   This problem occurs if the following conditions are both satisfied:
   
   (1) An inline function is nested in another.
   
   (2) Inline function A as a calling source and inline function B as the destination take the same parameter.

Example

```
inline B(int aaa, char ccc) /* Condition (2) */
{
    .....```

inline A(int c, int aaa, char *ccc) /* Condition (2) */
{
  int i;
  char c;
  B(i,c); /* Condition (1) */
}

4. **Workaround**

This problem can be circumvented any of the following ways:

1. Change the name of the parameter taken by the destination function (inline function B in the above example).
2. Don't nest any inline function.
3. Compile the program using the `-Oforward_function_to_inline(-OFFTI)` option. (This option can be used on M3T-NC308WA V.5.20 Release 1 and M3T-NC30WA V.5.30 Release 1 only.)

5. **Schedule of Fixing the Problem**

We plan to fix this problem in our next release of the products.

---

**Disclaimer**

The past news contents have been based on information at the time of publication. Now changed or invalid information may be included. The URLs in the Tool News also may be subject to change or become invalid without prior notice.

© 2010-2016 Renesas Electronics Corporation. All rights reserved.