

RENESAS TOOL NEWS on December 1, 2004: RSO-TM-041201D

A Note on Using Integrated Development Environment TM

Please take note of the following problem in using the TM, an integrated development environment:

- On using the inspector
-

1. Products and Versions Concerned

TM V.3.00 through 3.20 used in any of the following C compiler packages:

- M3T-NC308WA V.3.00 Release1 and later
(for the M32C/90, M32C/80 and M16C/80 series of MCUs)
- M3T-NC30WA V.4.00 Release1 and later
(for the M16C/60, M16C/30, M16C/Tiny, M16C/20 M16C/10 and R8C/Tiny series of MCUs)

2. Description

If a source file in a project contains an enum-type variable declared using typedef, the inspector is abnormally shut down as soon as it is invoked.

3. Conditions

This problem occurs if the following conditions are all satisfied:

- (1) This problem occurs if the following conditions are all satisfied:
- (2) The type name defined in (1) is re-defined as another using typedef.
- (3) Another variable is defined using the type name re-defined in (2).

Example:

```
-----  
typedef enum _NUMBER{ NUM_0,NUM_1,NUM_2} NUMBER; /* Condition (1) */
```

```
typedef NUMBER NUM; /* Condition (2) */
NUM number; /* Condition (3) */
```

4. Workaround

This problem can be circumvented either of the following ways:

- (1) Don't use the type name of an enumeration type defined using typedef.

Example:

```
-----
typedef enum _NUMBER{ NUM_0,NUM_1,NUM_2} NUMBER;
typedef enum _NUMBER NUM; /* Type name of enum type
                           defined using typedef */
NUM number; /* NUMBER not used */
-----
```

- (2) Don't re-define the type name of an enum-type variable as another using typedef.

Example:

```
-----
typedef enum _NUMBER{ NUM_0,NUM_1,NUM_2} NUMBER;
/* typedef NUMBER NUM; */
/* NUM number; */
NUMBER number;
-----
```

5. Schedule of Fixing the Problem

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

[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.