Warning[25]: Label 'xxxxx' is defined pubweak in a section implicitly declared root

EW targets:	ARM, STM8
EW component:	Assembler
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Problem
After upgrading to...
EWARM 7.10.1
EWSTM8 2.10.1
...the Warning[25] is issued during assembly of a file that assembled without warning on earlier version of the Embedded Workbench.

Solution
To avoid the warning, add **":NOROOT"** to the **"SECTION"** control directive.
Add the **":NOROOT"** to the left of the ()-part of the line.

```
    PUBWEAK NMI_Handler
    SECTION .text:CODE:REORDER:NOROOT(1)
  NMI_Handler
```

Background
The assembler is issuing Warning[25] for a deprecated assembler construction.

The deprecated assembler source construction looks like this:

```
    PUBWEAK NMI_Handler
    SECTION .text:CODE:REORDER(1)
  NMI_Handler
```

Details
The assembler control directive of *"SECTION"* consists of:

```
SECTION section :type [:flag] [(align)]
```

The change is **only** to be made among the **flag** items. I.e. don't change the **"SECTION" , "section" , ":type"** nor the **"[(align)]"** parts of the line. (For example if the *alignment* is expressed as (2) then keep it at (2). (The (2) stands for an alignment of 4 bytes, as the (2) is the power of two to which the address should be aligned.))

The **"[:flag]"-part** can have these **flags:**
ROOT (the default mode) or NOROOT
and
REORDER or NOREORDER (the default mode)
Where now the Warning from the Assembler shows that the **"explicit noroot",** due to the directive **"PUBWEAK",** mismatch the default mode, which gives an **"implied root"**
So the **"explicit noroot",** from **"PUBWEAK",** should be matched with the flag **"NOROOT".**

The details for the assembler control directive of **"SECTION"** can be found in the chapter **"Section control directives"** in the **"IAR Assembler™ Reference Guide."**

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