

Procedure for Converting Code for working with IAR 6.3

Procedures

Modify the file and code as listed below

1. {work space folder}\emeter-app\emeter-app-i2041\lnk430i2041_temp.xcl and lnk430i2040_temp.xcl

Add the following lines

```
// -----  
  
// Hardware multiplier location  
  
//  
  
-D__iar_HWMUL=130
```

2. {work space folder}\emeter-app\emeter-communication.c

Modify all

```
__MSP430I2040__ to __MSP430i2040__  
  
__MSP430I2041__ to __MSP430i2041__
```

3. {work space folder}\emeter-toolkit\include\io.h

Modify all

```
__MSP430I2040__ to __MSP430i2040__  
  
__MSP430I2041__ to __MSP430i2041__
```

4. {work space folder}\emeter-toolkit\include\isr_compat.h

Modify the line

```
#elif defined(__IAR_SYSTEMS_ICC__) && (((__TID__ >> 8) & 0x7f) == 43) && (__VER__ <  
600)  
  
to  
  
#elif defined(__IAR_SYSTEMS_ICC__) && (((__TID__ >> 8) & 0x7f) == 43) && (__VER__ <  
650)_
```

5. {work space folder}\emeter-toolkit\include\msp430_info_mem.h

Modify all

~~__MSP430I2040__~~ to ~~__MSP430i2040__~~

~~__MSP430I2041__~~ to ~~__MSP430i2041__~~

6. {work space folder}\emeter-toolkit\include\iar\extra_peripheral_definitions.h

Comment out these few lines

~~*#if defined(__MSP430_HAS_PMM__)*~~

~~*#define MPY_BASE 0x4C0*~~

~~*#else*~~

~~*#define MPY_BASE 0x130*~~

~~*#endif*~~

7. {work space folder}\emeter-app\emeter-setup.c

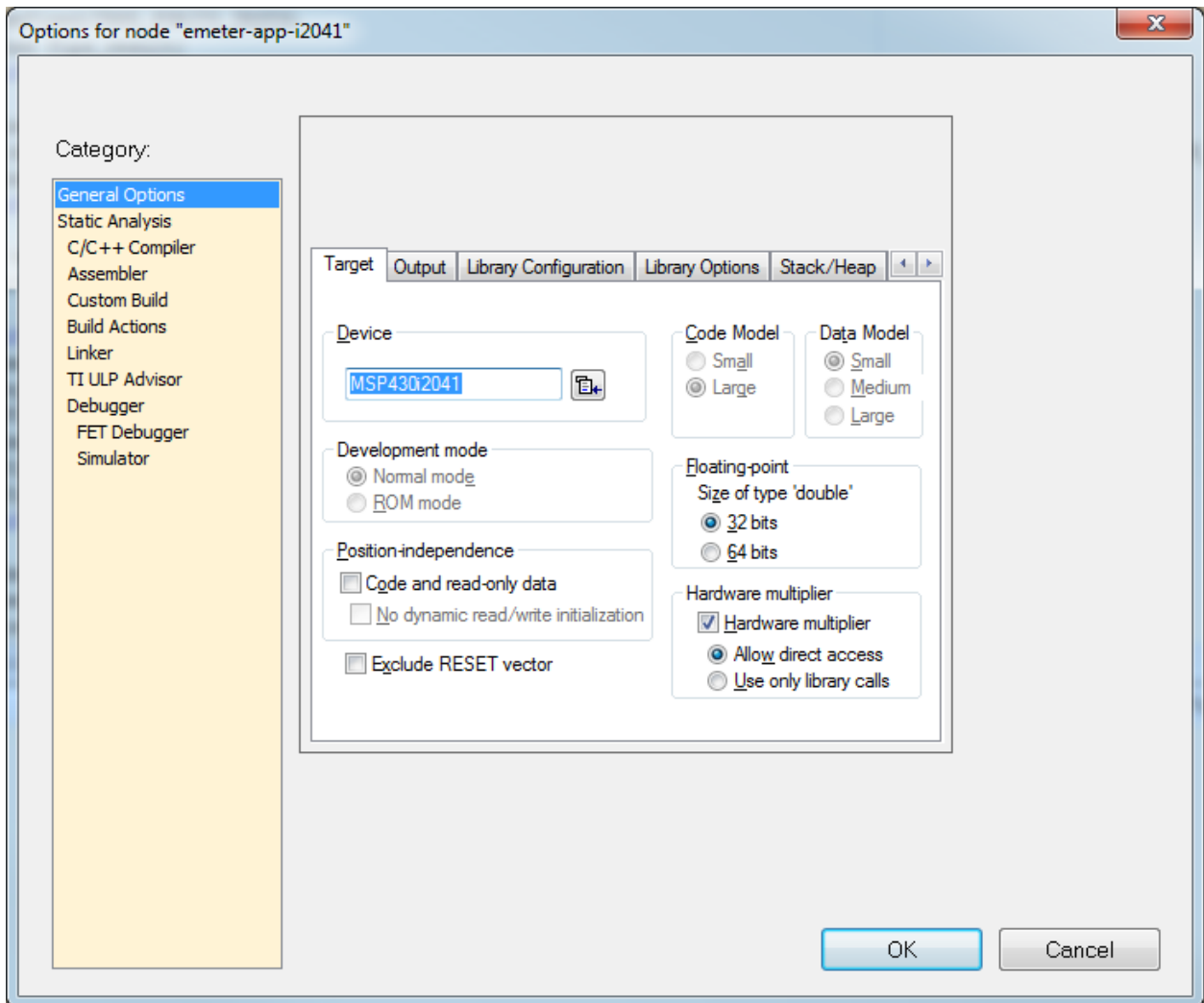
Modify

~~*SFRIE1*~~ |= WDTIE; */* Enable the WDT interrupt */*

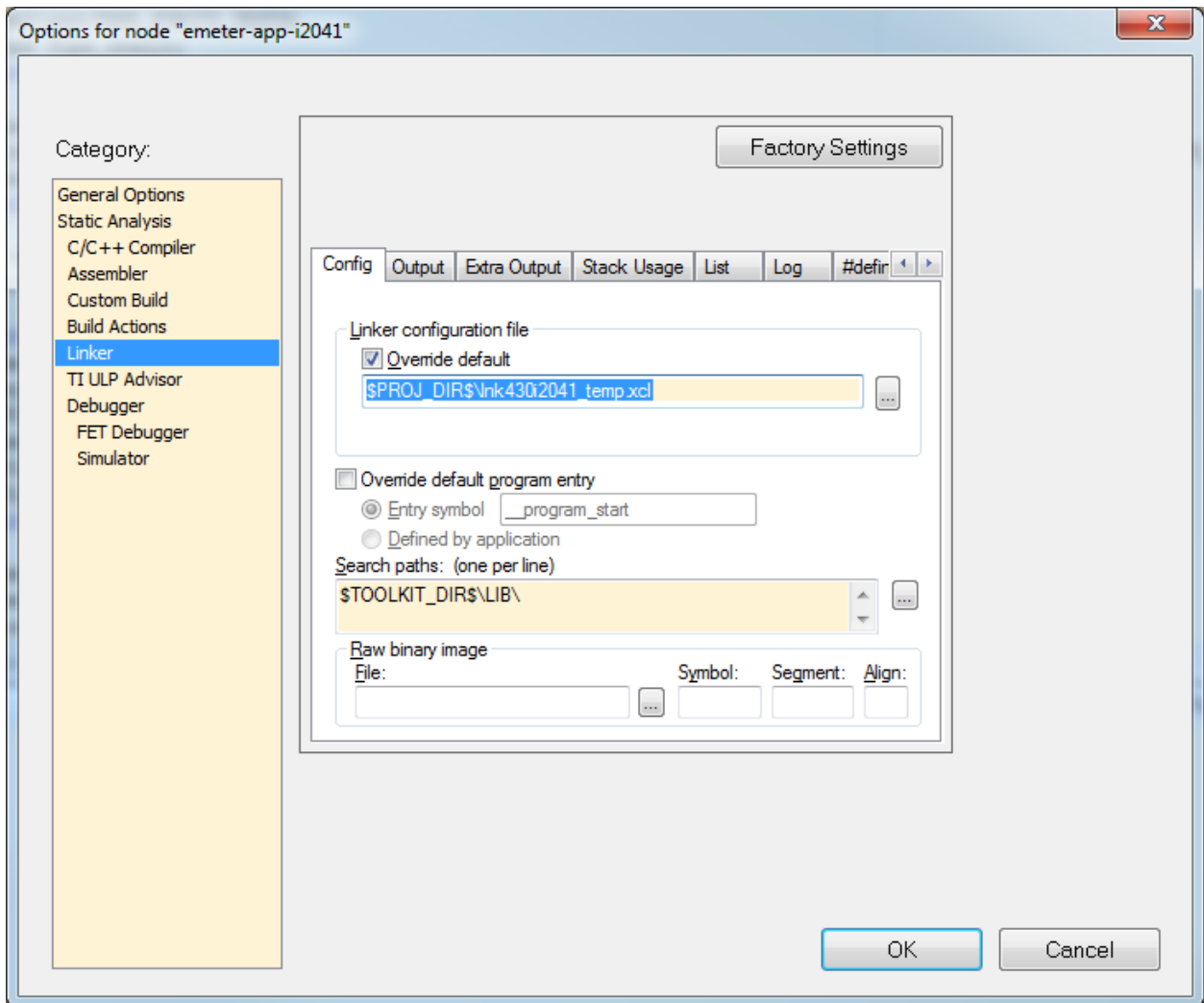
to

~~*SFRIE1_L*~~ |= WDTIE; */* Enable the WDT interrupt */*

8. Set the emeter-app-i2041 project option, select 'General Options' from the left, Select the 'Target' tab, change 'Device' to 'MSP430i2041'



- Set the emeter-app-i2041 project option, select 'Linker' from the left, Select the 'Config' tab, check 'Override default' and change the box below it to \$PROJ_DIR\$\lnk430i2041_temp.xcl



10. Recompile the project 'emeter-app-i2041'

Note

- The metrology library and the toolkit library from the previous version can be used thus NO NEED TO RECOMPILE the project 'emeter-toolkit-i2041' and 'emeter-metrology-i2041'
- The source code of the project 'emeter-metrology-i2041' is not provided, all the functionalities are provided in library the library. If source code is needed contact local sales office.