FC73 - Power Controller General Coding Style Guideline

1. Function names and variable names will be separated by underscore and written in lower-case:

my\_index\_variable

void my\_function\_name(void)

{

}

1. Conditional braces should be put on the next line

If(condition)

{

} else

{

}

1. No ternary operators in preprocessing statements.
2. All the macros should be written in capitalized letters:

#define MY\_CONSTANT 1

1. For functions with four or more arguments, align each argument on different lines:

my\_function(arg1,

arg2,

arg3,

arg4);

1. Indent every line conditional statements

while(x < 3)

{

++x;

printf(“hello world”);

}

1. Register mapping

A peripheral’s registers should be stored in a structure as shown below:

typedef struct

{

uint32\_t reg1;

uint32\_t reg2;

uint32\_t reg3;

} peripheral\_name;

It should be mapped to microcontroller peripheral memories in such manner:

#define PERIPHERAL\_REGS\_NAME ((peripheral\_name\*)(0xffffffff))