Falcon C# Style Guide

# Coding Guidelines

This document contains the basic coding style guidelines used in the Hyperion Firmware. Please follow these style guides to ensure that the code is consistent and readable.

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## Preprocessor Directives

### Usage of #define

The preprocessor function #define should only be used for defining compilation flags. Example usage and syntax is shown below.



## Naming

### File Names

## Formatting

### Spaces vs. Tabs

Hyperion files use 4 spaces instead of tabs. This is to ensure the file maintains appearance throughout different editors.

### Line Length

Lines should not exceed 120 characters.

### Conditional Spacing

Conditional statements should have a space between the conditional statement and the condition brackets.

## Comments

### File Comments

All files should have the standard copyright at the top of the file. Just beneath the copyright a description of the file, including its name and purpose should be exist.

### Class, Interface and Function Comments

Each comment should contain a short description and list of the parameters. These comments should be prefixed using the triple slash notation. The return type and a short description of the returned value should be placed on the last line of the function comment.



### Code Comments

To ensure readability, the code should use single and multi-line comments where appropriate. Comments should always be placed on a separate line, unless the comment is meaningful and sufficiently short. Any code comments placed on separate lines should end with a period.