Release Notes for MPLAB® Code Configurator’s Foundation Services Library v0.2.0

1 What is MPLAB Code Configurator’s Foundation Services Library

The Foundation Services library provides basic software drivers.

2 System Requirements

- MPLAB® X IDE v5.25 or later
- XC8 compiler v2.10 or later
- XC16 compiler v1.36b or later
- XC32 compiler v2.20 or later
- MCC Plugin Version 3.75 or later
- PIC10/PIC12/PIC16/PIC18 MCUs device library v1.78.0 or later
- AVR MCUs device library v2.0.2 or later
- PIC24/dsPIC33/PIC32MM MCUs device library v1.115 or later

3 Installing MPLAB® Code Configurator Foundation Services Library

Basic steps for installing MPLAB® Code Configurator needs to be installed as below.

To install the MPLAB® Code Configurator Plugin:

1. In the MPLAB® X IDE, select Plugins from the Tools menu
2. Select the Available Plugins tab
3. Check the box for the MPLAB® Code Configurator v3, and click on Install

To install the MCC Foundation Services Library 0.2.0:

1. Download foundationServicesLibrary_0.2.0.jar from microchip website.
2. In the MPLAB® X IDE, select Options from the Tools menu (Preferences menu on MAC)
3. Select Plugins tab
4. Click on Install Library
5. Add foundationServicesLibrary_0.2.0.jar
6. Restart MPLAB® X IDE

To load different peripheral library version:

1. Open MPLAB® Code Configurator from the Tools menu
2. In Versions tab under Foundation Services Library, find the multiple library version (loaded version is indicated by the green dot)
3. Right Click on the required version of the library and select Mark for load
4. Click on Load Selected Libraries button to load the library

4 What’s New

- 8-bit PIC MCUs
  - Moved I2C, SPI, and MSSP peripheral driver code (such as i2c_driver, i2c_master, i2c_slave, and spi source files) to PIC10/PIC12/PIC16/PIC18 MCUs device library v1.78.0
- Bugfixes and Improvements

5 Repairs and Enhancements

<table>
<thead>
<tr>
<th>#</th>
<th>ID</th>
<th>Description</th>
<th>Device(s)</th>
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<tbody>
<tr>
<td>1</td>
<td>FSERVICES-179</td>
<td>Move I2C, SPI, and MSSP plib code to 8-bit PIC MCU device library v1.78.0</td>
<td>8-bit PIC MCUs</td>
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6 Known Issues

<table>
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<tr>
<th>#</th>
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<tbody>
<tr>
<td>1</td>
<td>FSERVICES-169</td>
<td>SPI Slave: SS pin information is missing after save and load</td>
<td>All</td>
</tr>
<tr>
<td>2</td>
<td>FSERVICES-164</td>
<td>Freemarker Exception when SPI Slave Name field is changed</td>
<td>All</td>
</tr>
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7 Frequently Asked Questions

For frequently asked questions, please refer to the FAQ post on the MCC Forum (http://www.microchip.com/forums/f293.aspx)

8 Supported Families

The MCC Foundation Services Library supports the following families. The full list of devices is in Section
Appendix: Supported Devices

8.1.1 8 bit Families
Supports all devices supported by latest pic10-pic12-pic16-pic18 and AVR MCUs libraries

8.1.2 16 bit Families
Supports all 16-bit devices supported by latest pic24-dspic33-pic32mm library

8.1.3 32 bit Families
Supports PIC32MM family of devices supported by latest pic24-dspic33-pic32mm library

9 Customer Support

9.1 The Microchip Web Site
Microchip provides online support via our web site at http://www.microchip.com. This web site is used as a means to make files and information easily available to customers. Accessible by using your favorite Internet browser, the web site contains the following information:

- Product Support – Data sheets and errata, application notes and sample programs, design resources, user’s guides and hardware support documents, latest software releases and archived software
- General Technical Support – Frequently Asked Questions (FAQs), technical support requests, online discussion groups/forums (http://forum.microchip.com), Microchip consultant program member listing
- Business of Microchip – Product selector and ordering guides, latest Microchip press releases, listing of seminars and events, listings of Microchip sales offices, distributors and factory representatives

9.2 Additional Support
Users of Microchip products can receive assistance through several channels:

- Distributor or Representative
- Local Sales Office
- Field Application Engineering (FAE)
- Technical Support

Customers should contact their distributor, representative or field application engineer (FAE) for support. Local sales offices are also available to help customers. A listing of sales offices and locations is available on our web site.

Technical support is available through the web site at: http://support.microchip.com
10 Appendix: Supported Devices

The MCC Foundation Services Library supports the following devices.

- Supports all devices supported by latest pic10-pic12-pic16-pic18 and AVR MCUs libraries
- Supports all devices supported by latest pic24-dspic33-pic32mm library