This document describes the file changes between v2.4a and v2.5. These descriptions are limited to the stack changes. There may be additional changes to the demo folders and files. Those changes are not reflected here.

<u>Changed File Summary</u>
Mode: Just Mismatches

Left base folder: C:\Microchip Solutions v2.4a\Microchip
Right base folder: C:\Microchip Solutions v2.5\Microchip

Name	Size	Modified		Name	Size	Modified
Include	1,503,767	6/19/2009 3:35:18 pm		Include	3,055,675	7/10/2009 12:00:00 pm
└ MDD File System	124,561	6/19/2009 3:35:18 pm		└ MDD File System	254,553	7/10/2009 12:00:00 pm
└ LSD-SPI.h	16,492	3/13/2009 12:00:00 pm	<<	LSD-SPI.h	17,756	7/10/2009 12:00:00 pm
└ Usb	678,508	6/19/2009 3:35:18 pm		└ USB	1,398,088	7/10/2009 12:00:00 pm
└ usb_common.h	24,893	3/13/2009 12:00:00 pm	<<	└ usb_common.h	24,978	7/10/2009 12:00:00 pm
└ usb_device.h	76,605	3/13/2009 12:00:00 pm	<<	└ usb_device.h	78,196	7/10/2009 12:00:00 pm
└ usb_function_cdc.h	22,429	3/13/2009 12:00:00 pm	<<	└ usb_function_cdc.h	22,451	7/10/2009 12:00:00 pm
└ usb_function_hid.h	12,916	3/13/2009 12:00:00 pm	<<	└ usb_function_hid.h	12,241	7/10/2009 12:00:00 pm
			<<	└ usb_function_midi.h	4,831	7/10/2009 12:00:00 pm
└ usb_function_msd.h	20,414	3/13/2009 12:00:00 pm	<<	└ usb_function_msd.h	20,464	7/10/2009 12:00:00 pm
└ usb_hal.h	22,138	3/13/2009 12:00:00 pm	<<	└ usb_hal.h	22,140	7/10/2009 12:00:00 pm
└ usb_hal_pic18.h	12,657	3/13/2009 12:00:00 pm	<<	└ usb_hal_pic18.h	13,323	7/10/2009 12:00:00 pm
└ usb_hal_pic24.h	11,893	3/13/2009 12:00:00 pm	<<	└ usb_hal_pic24.h	11,794	7/10/2009 12:00:00 pm
└ usb_hal_pic32.h	12,086	3/13/2009 12:00:00 pm	<<	└ usb_hal_pic32.h	11,917	7/10/2009 12:00:00 pm
└ usb_host.h	45,269	3/13/2009 12:00:00 pm	<<	└ usb_host.h	57,961	7/10/2009 12:00:00 pm
└ usb_host_cdc.h	31,297	3/13/2009 12:00:00 pm	<<	└ usb_host_cdc.h	31,989	7/10/2009 12:00:00 pm
└ usb_host_generic.h	24,211	3/13/2009 12:00:00 pm	<<	└ usb_host_generic.h	24,568	7/10/2009 12:00:00 pm
└ usb_host_hid.h	19,511	3/13/2009 12:00:00 pm	<<	└ usb_host_hid.h	33,755	7/10/2009 12:00:00 pm
└ usb_host_hid_appl_interface.h	19,227	3/13/2009 12:00:00 pm	>>			
└ usb_host_msd.h	21,293	3/13/2009 12:00:00 pm	<<	└ usb_host_msd.h	21,567	7/10/2009 12:00:00 pm
└ usb_host_msd_scsi.h	14,164	3/13/2009 12:00:00 pm	<<	└ usb_host_msd_scsi.h	14,290	7/10/2009 12:00:00 pm
└ usb_host_printer.h	109,543	3/13/2009 12:00:00 pm	<<	└ usb_host_printer.h	108,760	7/10/2009 12:00:00 pm
└ Compiler.h	5,470	3/13/2009 12:00:00 pm	<<	└ Compiler.h	5,831	7/10/2009 12:00:00 pm
MDD File System	1,156,330	6/19/2009 3:35:18 pm		MDD File System	2,421,871	7/10/2009 12:00:00 pm
└ FSIO.c	300,940	3/13/2009 12:00:00 pm	<<	└ FSIO.c	298,574	7/10/2009 12:00:00 pm
└ Internal Flash.c	15,788	3/13/2009 12:00:00 pm	<<	└ Internal Flash.c	15,735	7/10/2009 12:00:00 pm
└ LSD-SPI.c	43,903	3/13/2009 12:00:00 pm	<<	LSD-SPI.c	47,634	7/10/2009 12:00:00 pm
Usb	10,162,062	6/19/2009 3:35:24 pm		USB	21,771,734	7/10/2009 12:00:00 pm
└ CDC Device Driver	28,456	6/19/2009 3:35:19 pm		└ CDC Device Driver	57,858	7/10/2009 12:00:00 pm
└ usb_function_cdc.c	28,456	3/13/2009 12:00:00 pm	<<	└ usb_function_cdc.c	28,512	7/10/2009 12:00:00 pm
└ CDC Host Driver	93,228	6/19/2009 3:35:19 pm		└ CDC Host Driver	189,404	7/10/2009 12:00:00 pm
└ usb_host_cdc.c	79,081	3/13/2009 12:00:00 pm	<<	└ usb_host_cdc.c	79,957	7/10/2009 12:00:00 pm
└ Generic Host Driver	28,130	6/19/2009 3:35:23 pm		└ Generic Host Driver	57,814	7/10/2009 12:00:00 pm
└ usb_host_generic.c	28,130	3/13/2009 12:00:00 pm	<<	└ usb_host_generic.c	28,487	7/10/2009 12:00:00 pm
└ HID Device Driver	8,359	6/19/2009 3:35:23 pm		└ HID Device Driver	17,893	7/10/2009 12:00:00 pm
└ usb_function_hid.c	8,359	3/13/2009 12:00:00 pm	<<	└ usb_function_hid.c	8,530	7/10/2009 12:00:00 pm
└ HID Host Driver	158,621	6/19/2009 3:35:23 pm		└ HID Host Driver	302,455	7/10/2009 12:00:00 pm
└ usb_host_hid.c	80,623	3/13/2009 12:00:00 pm	<<	└ usb_host_hid.c	98,741	7/10/2009 12:00:00 pm
└ usb_host_hid_appl_interface.c	26,488	3/13/2009 12:00:00 pm	>>			
└ usb_host_hid_parser.c	51,510	3/13/2009 12:00:00 pm	<<	└ usb_host_hid_parser.c	51,893	7/10/2009 12:00:00 pm
└ MSD Host Driver	113,119	6/19/2009 3:35:23 pm		└ MSD Host Driver	230,085	7/10/2009 12:00:00 pm
└ usb_host_msd.c	84,511	3/13/2009 12:00:00 pm	<<	└ usb_host_msd.c	85,720	7/10/2009 12:00:00 pm
└ usb_host_msd_scsi.c	28,608	3/13/2009 12:00:00 pm	<<	└ usb_host_msd_scsi.c	28,734	7/10/2009 12:00:00 pm
└ Printer Host Driver	369,613	6/19/2009 3:35:23 pm		└ Printer Host Driver	750,239	7/10/2009 12:00:00 pm
└ usb_host_printer.c	65,306	3/13/2009 12:00:00 pm	<<	└ usb_host_printer.c	68,881	7/10/2009 12:00:00 pm

└usb_host_printer_esc_pos.c	68,498	3/13/2009 12:00:00 pm	<<	└usb_host_printer_esc_pos.c	68,530	7/10/2009 12:00:00 pm
└USB PIC24.h	7,411	3/13/2009 12:00:00 pm	<<	└USB PIC24.h	7,451	7/10/2009 12:00:00 pm
└usb_device.c	75,619	3/13/2009 12:00:00 pm	<<	└usb_device.c	75,577	7/10/2009 12:00:00 pm
└usb_hal_local.h	31,957	3/13/2009 12:00:00 pm	<<	└usb_hal_local.h	32,563	7/10/2009 12:00:00 pm
└usb_host.c	226,225	3/13/2009 12:00:00 pm	<<	└usb_host.c	247,483	7/10/2009 12:00:00 pm
└usb_host_local.h	32,590	3/13/2009 12:00:00 pm	<<	└usb_host_local.h	34,114	7/10/2009 12:00:00 pm

Changed File Detail

\Include\MDD Files System\SD-SPI.h
- Changes to enable SDHC support.

\Include\USB\usb_common.h
- Changes to related to upcoming Audio class support.

\Include\USB\usb_device.h
- Fixed bugs in interrupt driven support option.
- Reorganized data structures for dual role support

\Include\USB\usb_function_cdc.h
- Include file change

\Include\USB\usb_function_hid.h
- Removed depricated macros and variables

\Include\USB\usb_function_msd.h
- Changed LUN_FUNCTIONS definition to match new MDD File system function prototype

\Include\USB\usb_hal.h
- Include file change

\Include\USB\usb_hal_pic18.h
- Reorganized data structures for dual role support

\Include\USB\usb_hal_pic24.h
- Fixed bug in interrupt driven support option

\Include\USB\usb_hal_pic32.h
- Fixed bug in interrupt driven support option
- Reorganized data structures for dual role support

\Include\USB\usb_host.h
- Added support for isochronous transfers.
- Changed USBHostDeviceRequest() to USBHostIssueDeviceRequest()

\Include\USB\usb_host_cdc.h
- Updated to reflected changes in host stack API

\Include\USB\usb_host_generic.h
- Updated to reflected changes in host stack API

\Include\USB\usb_host_hid.h
- Major rework of HID host API. Please see the migration document for more information about these changes.

\Include\USB\usb_host_msd.h
- Updated to reflected changes in host stack API

\Include\USB\usb_host_msd_scsi.h
- Updated to reflected changes in host stack API

\Include\Compiler.h
- Modifications for changes in compiler features

\MDD File System\FSIO.c
- Bug fix related to directory attributes

\MDD File System\Internal Flash.c
- PIC24 no longer limited to PSV data in page 1 only

\MDD File System\SD-SPI.c
- Bug fix related to SPI clock speed
- SDHC support added

\USB\CDC Device Driver\usb_function_cdc.c
- Fixed location of USB RAM for PIC18F4450 family devices

\USB\CDC Host Driver\usb_host_cdc.c
- Updated to reflected changes in host stack API

\USB\Generic Host Driver\usb_host_generic.c
- Updated to reflected changes in host stack API

\USB\HID Device Driver\usb_function_hid.c
- Major update to SetReport and GetReport interfaces. See migration notes for more details.

\USB\HID Host Driver\usb_host_hid.c
- Major rework of HID host API. Please see the migration document for more information about these changes.

\USB\HID Host Driver\usb_host_hid_parser.c
- Added ability to free data

\USB\MSD Host Driver\usb_host_msd.c
- Updated to reflected changes in host stack API
- Bug fixes related to clearing endpoint errors on device reset

\USB\MSD Host Driver\usb_host_msd_scsi.c
- Updated to reflected changes in host stack API

\USB\Printer Host Driver\usb_host_printer.c
- Updated to reflected changes in host stack API
- Added GetStatus and Reset functions

\USB\Printer Host Driver\usb_host_printer_esc_pos.c
- Initialization of variables added

\USB\USB PIC24.h
- Reorganized data structures for dual role support

\USB\usb_device.c
- Fixed bugs with interrupt driven support option
- Fixed bugs related to hosts that aggresively send EP0 traffic

\USB\usb_hal_local.h
- Reorganized data structures for dual role support

\USB\usb_host.c
- Reorganized data structures for dual role support
- Enabling retry of packets on bus errors
- Added isochronous support
- Updated to reflected changes in host stack API
- Internally changed how endpoint tranfers are handled
- Added some composite device support
- Fixed bug related to SET_INTERFACE command

\USB\usb_host_local.h
- Minor changes in definition locations and structure fields