PM5372

TSE DEVICE DRIVER

RELEASE NOTES

PROPRIETARY AND CONFIDENTIAL

RELEASE

ISSUE 2: NOVEMBER, 01

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PMC-2001403 (R2)

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REVISION HISTORY

Issue No.	Issue Date	Details of Change
1	October 31, 2000	Document created
2	November 26, 2001	Production release for TSE driver

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1 ABOUT THIS RELEASE

This is release rel-1.0 of the PM5372 (TSE) device driver. Rel-1.0 is intended for use with PM5372 Revision D TSE devices. Rel-1.0 is functionally complete and has been tested by PMC-Sierra as described in Section 4 below.

2 WHAT'S INCLUDED IN THIS RELEASE

This rel-1.0 release of the TSE driver includes the following files:

Directory	Filename	File Version
/src	tse_api1.c	1.37
	tse_api2.c	1.61
	tse_hw.c	1.22
	tse_isr.c	1.20
	tse_rtos.c	1.10
	tse_util.c	1.38
/inc	tse_api.h	1.24
	tse_defs.h	1.19
	tse_err.h	1.8
	tse_fns.h	1.22
	tse_hw.h	1.15
	tse_rtos.h	1.12
	tse_strs.h	1.26
	tse_typs.h	1.5
/example	tse_app.c	1.3

Directory	Filename	File Version
	`tse_debug.c`	1.4
	`tse_debug.h`	1.3
/	`Makefile`	1.19
/	`software.lic`	n/a
/	`tse_relnotes_r2.pdf` (this file)	n/a

Notes:

1. `tse_app.c`, `tse_app.h` contain example callback function implementation and example code.

2. `tse_debug.c`, `tse_debug.h` contain an example debugging task that reports register accesses to the device.

3 INSTALLATION

Please perform the following steps to install the PM5372 (TSE) device driver in your system.

- Unzip the release zip file, and install the files and its directory structure under your local drive. Modify the directory variable names in the `Makefile`, if necessary, to reflect your actual driver and directory names.

- Modify `tse_typs.h`, `tse_hw.h` and `tse_rtos.h` as per your system's characteristics. Also, modify/implement the hardware and RTOS dependent functions in `tse_hw.c` and `tse_rtos.c`. Please refer to Section 8 of the TSE driver manual (PMC-2001402, Issue 2), Porting the TSE driver, for detailed instructions on porting the driver to your specific environment.

- Set up compile switches or other environment variables in the `Makefile`. Please refer to the `Makefile` for a detailed description of the available compile switches.

- Compile the source files and build the TSE driver using your make utility.

- Link the TSE driver to your application code.

4 TESTING STATUS OF THIS RELEASE

All TSE device driver Application Programming Interface (API) functions have been tested in-house using the PM5372 on a proprietary PMC-Sierra, Inc. application platform running VxWorks^{TM} RTOS. As of the publication date of this document, there are no known bugs in this release. However, the customer is advised to consult our web site (http://www.pmc-sierra.com) for any relevant errata that may have been issued subsequent to the publication of this document.

5 WHAT'S NEW IN THIS RELEASE?

rel-1.0: Production release for the PM5372 device driver

- Added APIs `tseSetOnePage()` and `tseGetOnePage()` that allow the application to access individual switching pages.

- Added API `tsePortSetMaskMode()` that define the J0 character filtering mode in the time-space-time switch.

- `tseInit()` now uses h/w defaults when the `pdiv` parameter is `NULL`

- API error codes documented in source and TSE driver manual (PMC-2001402, Issue 2)