PM5310

TBS DEVICE DRIVER

DEVICE DRIVER RELEASE NOTES

PROPRIETARY AND CONFIDENTIAL

RELEASE

ISSUE 2: NOVEMBER, 01

LEGAL INFORMATION

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PMC-2001252 (R2)

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REVISION HISTORY

Issue No.	Issue Date	Details of Change
1	October 16, 2000	Document created
2	November 2001	Document the software code changes since beta release

1 ABOUT THIS RELEASE

This is the rel-1.0 production release of the PM5310 (TBS) device driver. Rel-1.0 is intended for use with PM5310 TBS devices, revision A, B, C and the latest D. The rel-1.0 release is functionally complete and has been tested by PMC-Sierra as described in Section 3 below.

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2   WHAT'S INCLUDED IN THIS RELEASE

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

Directory	Filename	File Version
/src	tbs_api.c	1.64
	tbs_hw.c	1.28
	tbs_isr.c	1.20
	tbs_rtos.c	1.12
	tbs_util.c	1.28
/inc	tbs_api.h	1.15
	tbs_defs.h	1.27
	tbs_err.h	1.9
	tbs_fns.h	1.9
	tbs_hw.h	1.17
	tbs_rtos.h	1.9
	tbs_strs.h	1.25
	tbs_typs.h	1.10
/example	tbs_app.c	1.5
	tbs_debug.c	1.20
	tbs_debug.h	1.7
/	Makefile	1.15
/	software.lic	n/a
/	tbs_relnotes_r2.pdf (this file)	n/a

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3 INSTALLATION

Please perform the following steps to install the PM5310 (TBS) 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 `tbs_typs.h`, `tbs_hw.h` and `tbs_rtos.h` as per your system's characteristics. Also, modify/implement the hardware and RTOS dependent functions in `tbs_hw.c` and `tbs_rtos.c`. Please refer to Section 8 of the TBS driver manual (PMC-2001251, Issue 3), Porting the TBS 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 TBS driver using your make utility.

- Link the TBS driver to your application code.

4 TESTING STATUS OF THIS RELEASE

All TBS device driver Application Programming Interface (API) functions have been tested in-house using the PM5310 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.

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5   WHAT'S NEW IN THIS RELEASE?

rel-1.0: Production release for the PM5310 device driver.

- The B1/E1 monitor status bits have been removed.

- For the latest TBS device, blocks RWTI, RPTI and RATI (82h, 92h, and A2h) do not have correct default values at power-up. APIs `tbsInit()` and `tbsReset()` write the correct value (2h) to those blocks to ensure proper operation.