

inst-bpm - Task #9658

Milestone # 9017 (Accepted): State Machine subsystem

Task # 9385 (New): State Machine subsystem test

Instrument bpm control commands and display their execution time in syslog

07/17/2015 10:43 AM - John Diamond

Status:	New	Start date:	07/17/2015
Priority:	Normal	Due date:	
Assignee:	John Diamond	% Done:	20%
Category:	bpm	Estimated time:	4.00 hours
Target version:		Spent time:	4.50 hours
Description			
Figure out a way (RTAI libraries or timing board?) to instrument the execution time for control commands so we can determine if we're meeting real-time requirements.			

History

#1 - 07/17/2015 02:01 PM - John Diamond

http://download.gna.org/rtai/documentation/kilauea/html/group__timer.html#rt_set_oneshot_mode

#2 - 07/20/2015 04:03 PM - John Diamond

- % Done changed from 0 to 20

Added syslog and rt_printk messages to display the execution time for the bpm ARM command and the adc250x12xs READOUT command.

Can't really explain why the ARM command takes 13.5ms to execute...

```
Jul 20 15:14:30 bbpmnts user.info BPMDCT: Digitizer pool armed, took 13512741 ns.
```