

CMD7 failing on ATP & Transcend MMC cards

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Some MMC cards were failing repeatedly on Omap1710 in the card select command CMD7. Doing an extra status inquiry when leaving the card identification mode removed the problem. This is possibly Omap1710 mmc controller only problem, but might also also appear on other mmc controllers.

So far, the problem occurred only on ATP and Transcend cards when the card have already been detected and then `mmc_detect_change()` is called to check if any new cards have been inserted. After CMD2 the next card select command CMD7 fails due to illegal command error.

I don't know why only ATP and Transcend have this problem and why doing status inquiry CMD13 helps. Status inquiry command is neutral and is claimed to not change the card state in the MMC spec. :-)

The order of commands must be CMD13 first, then CMD7. CMD13 fails also due to illegal instruction error after CMD2 but after this the card is back to its senses.

If CMD7 is run first, and CMD13 once CMD7 is seen failing, this fails to bring the card back to its senses. Then the CMD7 fails repeatedly due to command timeout before and after CMD13.

I got rid of the problem by simply adding call to `mmc_check_cards()` at and of `mmc_setup()` function, which is perhaps an overkill. One could do it also in `mmc_rescan()` after switching back to higher clock.

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