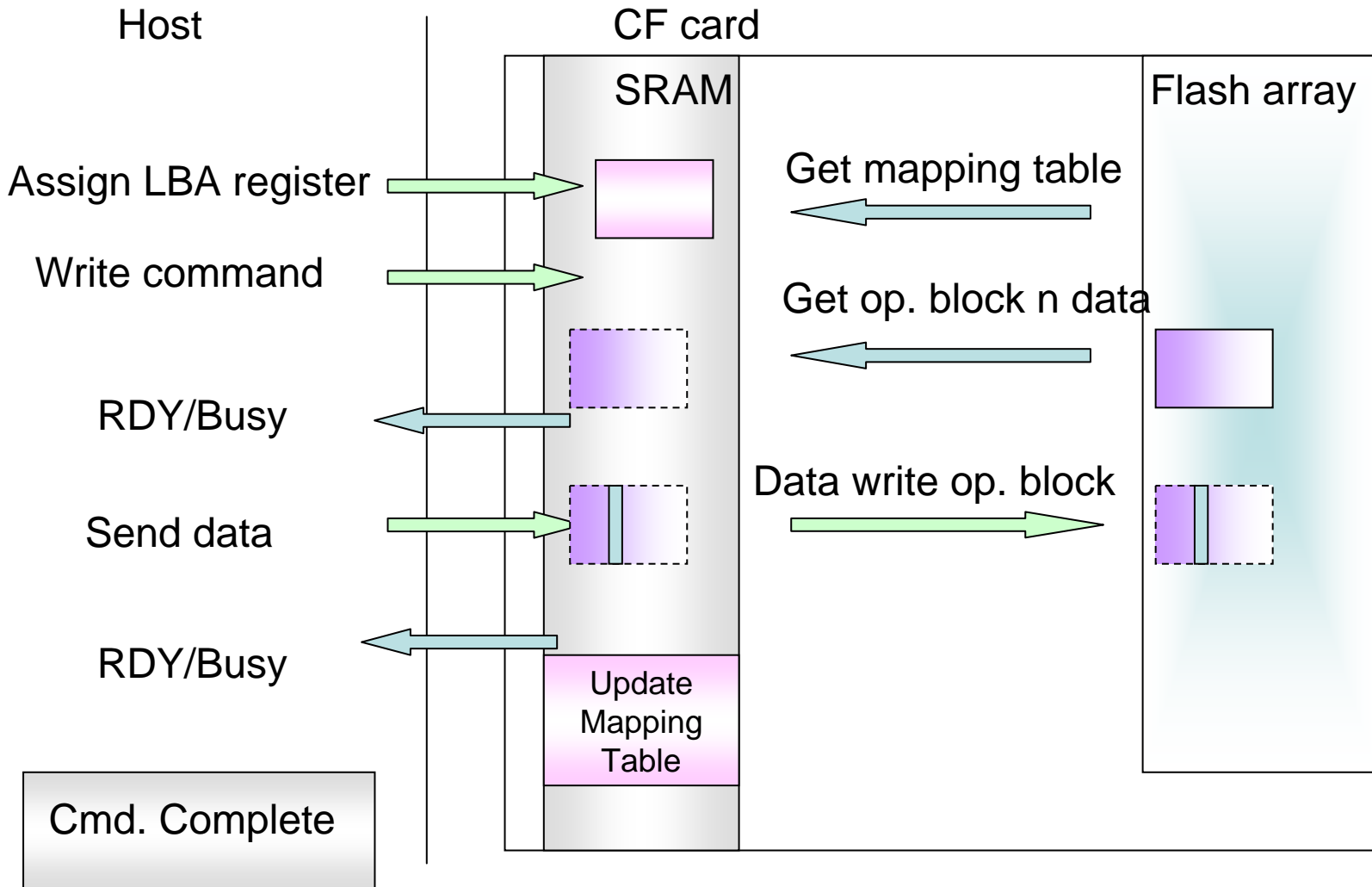


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Power Failure Recovery

*HW Development Dept.
6 May 2009*

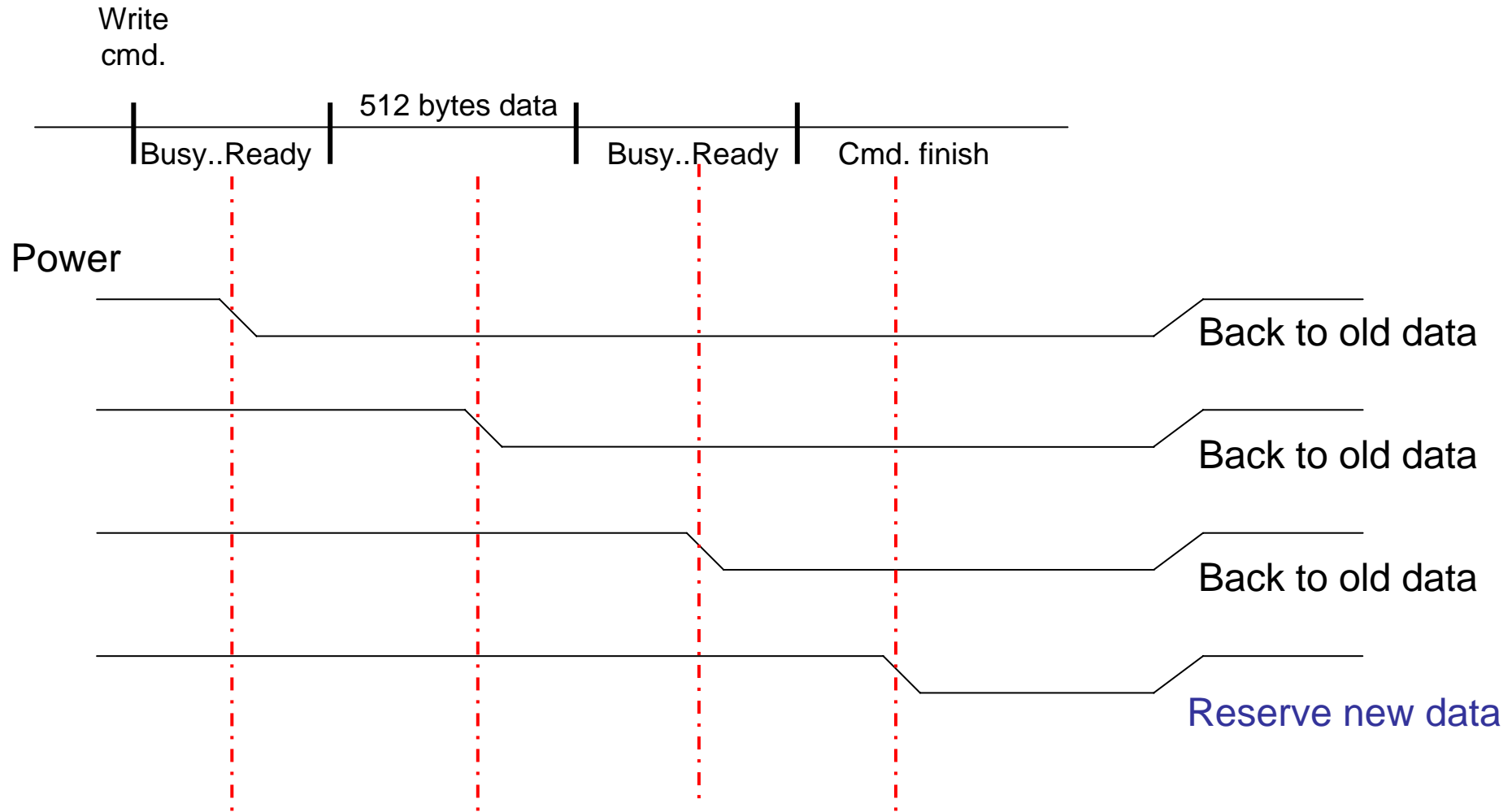
Write Operation



Power Failure Recovery

- Host writes data to device during power failure.
- If the write command is completed, the last data will be there on next power on.
- If the write command is incomplete, during next power on the FW will check the tracking status & find the incomplete write command.
- The FW will retrieve the mapping table & use the last known good data.

Power Failure Recovery



Summary

- This feature prevents the device from crash and ensures data integrity during an unexpected blackout.
- Next power up, the controller will check fragmented data segments, and, if necessary, replace with old data kept in flash until programmed successfully.



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