

## SSD Data Retention Issue Debunked

For the past few weeks, there has been quite a commotion on tech sites, and it was all because of a 5 year old presentation. Someone discovered a set of slides created in 2010 by then-chair of the JEDEC SSD committee, Alvin Cox of Seagate. That person misinterpreted one of the slides to mean that unpowered SSDs would retain data for only a few days in a hot room. It was reported on one site and of course picked up by several others, spreading quickly across the spectrum of sites reporting on technical matters. Finally, Alvin and a colleague gave an interview to PCWorld setting the record straight, stating that a scenario that might cause data loss is highly unlikely, especially for consumers. Read the article for more details.



Full Article : [www.pcworld.com/article/2925173/debunked-your-ssd-wont-lose-data-if-left-unplugged-after-all.html](http://www.pcworld.com/article/2925173/debunked-your-ssd-wont-lose-data-if-left-unplugged-after-all.html)

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## All Meetings.

- **General Members** call every other Wednesday at 8:30AM PT
- **PCIe SSD Committee** meets 2nd Monday of each month at 4PM PT
- **Marketing Committee** meets the 2nd & 4th Monday of each month at 2PM PT
- **NVDIMM Special Interest Group** meets every other Friday at 9AM PT
- **Solid State Storage TWG** meets 3rd Monday of each month at 4PM PT
- **Solid State Storage System TWG** meets weekly on Tuesday 10AM PT
- **NVM Programming TWG** meets weekly on Wednesday at 12:00PM PT

For WebEx/dial-in information go to <https://snia.webex.com>



## Solid State Storage Technical Work Group



If you and your company haven't joined the SSS TWG yet, you may want to jump on that cool bandwagon sooner rather than later! The Solid State Storage Initiative (SSSI) has created a Solid State Storage Technical Work Group (SSS TWG) to create a reference SNIA architecture and facilitate industry-wide adoption of common requirements, methods, and specifications in related standards organizations.

If your company is currently a SNIA member and is interested in joining the SSS TWG, send an email to: [asksssi@snia.org](mailto:asksssi@snia.org). SSD performance is influenced by many factors, and these factors are quite different than those affecting HDD performance. The unique characteristics of SSDs require that new test methodologies be created, and that traditional metrics be reconsidered. Further, SSD performance is currently being measured in a variety of ways, under a wide range of conditions, making it difficult to directly compare products from different manufacturers. Check us out soon!

## PTS-C client specification update passed!

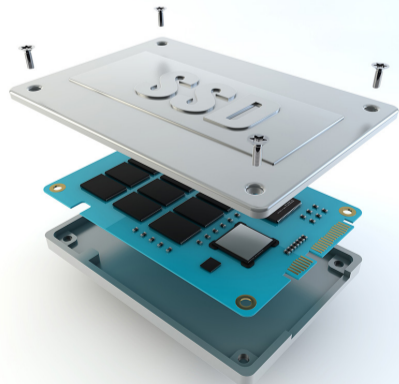
The SNIA has developed methods which enable manufacturers to set, and customers to compare, the performance specifications of Solid State Storage devices, which are evolving with the state of the technology. These specifications define a set of device level tests and methodologies which enable comparative testing of SSS devices for Enterprise and Client systems.

Modifications to the client version of the Solid State Storage Performance Test Specification (PTS) have been approved by SNIA vote. The PTS-C, developed by the SNIA Solid State Storage Technical Working Group (SSS TWG), provides standardized test methodologies and tests for comparative benchmarking and performance analysis of Solid State Drives.

PTS-C v 1.2 has two modifications. First, the default SSD write cache setting has been corrected to be set as Write Cache Enabled (WCE). Second, the workload segmentation and banding settings have been changed from *Required* to *Optional*. Taken together, the PTS-C v 1.2 default settings now include WCE, no segmentation/banding and a Test Active Range of either 100% or 75% of the LBA range. The PTS-C v 1.2 specifications can be viewed and downloaded and questions can be submitted to the SSS TWG.

Access SSS PTS Client v1.2  
[http://www.snia.org/tech\\_activities/standards/curr\\_standards/pts](http://www.snia.org/tech_activities/standards/curr_standards/pts)

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