



# Computational Storage TWG

## 2025 Review and 2026 Plans

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# Computational Storage TWG 2025 Accomplishments

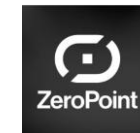
- ❖ TWG Charter - [Computational Storage TWG Charter V1c-Approved](#)
- ❖ Two Specifications Released:
  - ❖ [Computational Storage Architecture and Programming Model v1.1](#)
  - ❖ [Computational Storage API v1.1](#)
- ❖ Started Computational Storage Architecture and Programming Model v1.2
  - ❖ Sequencing enhancements for multi-tenancy
- ❖ Started Simplified Fixed Function Computational Operations v1.0
  - ❖ Defining NVMe command(s) for simple, fixed functions

# Computational Storage TWG Work Items

- Simplified Fixed Function Computational Operations v1.0
  - Define the data structures to support a small number of fixed functions
- Architecture and Programming Model v1.2
  - Release v1.2
- SNIA Group collaboration
  - Continue effort with SDXI TWG combining SDXI with Computational Storage
    - White paper to be completed in Q1
- External group collaboration / Alliance work items
  - Continue NVM Express interaction

# Computational Storage Membership as of Dec 1, 2025

34 Participating Companies - 182 Member Representatives



# Computational Storage TWG Participation

- What is the expected industry impact of this work
  - Encourage development, deployment, and compatibility of Computational Storage Devices in the current and future ecosystem
- What is the industry segment relevance
  - Volumes of generated data exposes current infrastructure bottlenecks and the need to augment host compute with Computational Storage offloads
- Why you should join and participate in this group
  - Participation allows members the ability to impact the direction, development, and deployment of Simplified Fixed Functions, Computational Storage architecture and API enhancements
- Who to contact for additional information
  - [computationaltwgchair@snia.org](mailto:computationaltwgchair@snia.org)