



Technical Council

2025 Review and 2026 Plans

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SNIA Technical Council Overview

- ❖ Consists of technology leaders from across the industry
- ❖ Oversees the technical work of SNIA
- ❖ Forms Technical Work Groups (TWGs) and oversees:
 - ❖ Carrying out the technical activities of SNIA
 - ❖ Guiding where best to develop that work
 - ❖ Reviewing and approving technical standards, architectures, and software produced
- ❖ Prepares industry white papers on technology relevant to storage
- ❖ Establishes Technical Work Group Policies and Procedures

Additional Technical Council Work

- ❏ AI Task Force
 - ❏ Gathered 18 potential work areas with input from member companies
 - ❏ Working on SNIA and Storage for AI White Paper
- ❏ Reviews and Updates SNIA “What is...?” pages
- ❏ Reviews and approves SNIA Technical White Papers
- ❏ Regularly updates the TWG P&P; recently published version 4.10
- ❏ Maintains the SNIA Dictionary
 - ❏ Worked with the web team on new dictionary format
 - ❏ Approved Capacity terms, ‘S’ Terms, ‘T’ Terms
 - ❏ Reviewed ‘U’ Terms and ‘W’ Terms
- ❏ Develops and produces the SNIA Developer Conference (SDC)

SNIA Developer Conference (SDC)

❖ Regional SDC Denver 2025

- ❖ April 30, 2025
- ❖ Second Regional SDC event
 - ❖ 2x attendance versus inaugural event in Austin, 2024
- ❖ 20 invited speakers presented about key industry topics, including:
 - ❖ AI, NVMe, CXL, Cloud Object Storage

❖ SDC 2025

- ❖ September 15-17, 2025
- ❖ 90 presentations covering 12 topics selected
- ❖ 12 Birds of a Feather sessions
- ❖ Presented to 314 attendees (13% increase over 2024)
- ❖ Presentations now available through the SNIA library

SNIA ISO Standards

- ❏ Swordfish Scalable Storage Management API Specification
 - ❏ Version: 1.2.8
 - ❏ The Swordfish Scalable Storage Management API defines a RESTful interface and a standardized data model to provide a scalable, customer-centric interface for managing storage and related data services.

SNIA Technical Publications Approved by the TC

- Swordfish Scalable Storage Management API v1.2.8
- Computational Storage Architecture and Programming Model v1.1
- Computational Storage API v1.1
- SNIA Emerald Power Efficiency Measurement Specification for Data Center Storage Devices v1.0
- Native NVMe-oF Drive Specification v1.2

Documents Currently Out For Public Review

- “DNA Data Storage in Swordfish - Working Draft”
 - Extends the Swordfish v1.2.8 release
 - The model will cover an appropriate level of abstraction for DNA Data Storage systems, based on initial modeling and mockups

Suggestions for revisions should be directed to <https://www.snia.org/feedback>

Technical Council 2026 Plans

- ▣ Work in Process
 - ▣ SDC StorageAI Agenda Development
 - ▣ April 29, 2026
 - ▣ SDC 2026 Agenda Development
 - ▣ September 28 - 30, 2026
 - ▣ Creation of:
 - ▣ New SNIA "What is...?" pages
 - ▣ TC white papers
 - ▣ Guidance of SNIA TWGs and technical activities
 - ▣ Continued SNIA Dictionary review
- ▣ Continue working with the SNIA StorageAI Community to evaluate areas for technical work.
 - ▣ Storage for AI

Bringing New Technical Work into SNIA

- Do you have an idea for a new technical standard or a proprietary standard you would like to standardize?
- Find two other SNIA member companies that agree with you
 - Statements of support from at least three active SNIA Member companies are a prerequisite for TWG approval. "Support" includes intent to actively participate in the TWG.
- Create a proposal and present to the Technical Council for review and approval
 - Prepare a draft charter and proposed Program of Work
- Complete details are located in the [Guidelines for the Approval of TWGs](#)
- Need help with the process? Send an email to tca@snia.org
- Other ideas for SNIA to consider? Please email tcchair@snia.org