



Technical Council

2022 Review and 2023 Plans

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SNIA Technical Council

- Made up of technology leaders from across the industry
- Oversees the technical work of the SNIA
- Create and oversee the Technical Work Groups (TWGs) to:
 - Carry out the technical activities of the SNIA
 - Guide where best to develop that work
 - Review and approve the technical standards, architectures, and software produced
- Prepares general industry white papers on technology relevant to storage
- Maintains the Technical Work Group Policies and Procedures document
- Develops and produce the SNIA Storage Developer Conference (SDC)
 - Assist in the production of SDC EMEA and SDC India
- Maintains the SNIA Dictionary

Technical Council 2023 Plans

■ Work in Process

- Continued SNIA Dictionary review
- Review and update of published TC white papers
- 180 SDC Podcasts
- 28 SDC Weekend Watch

■ Technology areas being explored

- SNIA open-source software development
- Accelerating time-to-productivity for storage professionals and students
- White paper on issues that data placement attempts to resolve

2022 Technical Accomplishments

2022 Achievements – Technical Publications

SNIA Standards

- Swordfish Scalable Storage Management API Specification v1.2.4a
- Computational Storage Architecture and Programming Model v1.0
- TLS Specification for Storage Systems v2.1
- Smart Data Accelerator Interface (“SDXI”) Specification v1.0

2022 – 2023 Achievements – SNIA ISO Standards

- Cloud Data Management Interface Version 2.0
 - Approved as ISO/IEC 17826:2022, published by ISO on May 19, 2022
- Swordfish 1.2.4a
 - Submitted to ISO PAS process on August 24, 2022, ISO vote currently active.
- TLS Specification for Storage Systems v2.1
 - Submitted to ISO PAS process on January 11, 2023



Documents currently out for Public Review

- Swordfish NVMe SMART Metrics for Storage Controllers
- Zoned Storage Models v0.9 rev 0
- Computational Storage API v0.8 rev 0
- CDMI Extensions and Profiles

<http://www.snia.org/publicreview>

2022 Achievements – SFF TA TWG

- Published 1 new specification:
 - SFF-TA-1009: EDSFF Pin and Signal Specification
- Revised/updated 5 specifications:
 - SFF-8024: SFF Module Management Reference Code Tables
 - SFF-8071: SFP+ 1X 0.8mm Card Edge Connector
 - SFF-8402: SFP+ 1X 28 Gb/s Pluggable Transceiver Solution (SFP28)
 - SFF-8419: SFP+ Power and Low Speed Interface
 - SFF-8636: Management Interface for 4-lane Modules and Cables

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 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 SNIA TWGs](#)
- Need help with the process? Send an email to tcmd@snia.org
- Other ideas for SNIA to get involved in? Send an email to tcchair@snia.org