

# ISO/IEC JTC 1/SC 25 **N 4Chi008**

Date: 2004-06-22

## ISO/IEC JTC 1/SC 25 INTERCONNECTION OF INFORMATION TECHNOLOGY EQUIPMENT Secretariat: Germany (DIN)

**DOC TYPE:** Administrative  
**TITLE:** Status of projects of SC25/WG 4,  
Chitose, Japan, 2004-06-22/24.  
**SOURCE:** ISO/IEC JTC 1/SC 25/WG 4 Convener  
**PROJECT:** All projects of SC 25/WG 4  
**STATUS:** Agenda  
**ACTION ID:** FYI  
**DUE DATE:** n/a  
**REQUESTED:** For information  
**ACTION**  
**MEDIUM:** Open  
**DISTRIBUTION:** ITTF, JTC 1 Secretariat P-, L-, O-Members of SC 25  
**No of Pages:** 08 (including cover)

## Status of projects of WG 4, Chitose, Japan, 2004-06-22/24

- 6 Project 1.25.13.01.XX - Channel Interface Specifications: Fibre Distributed Data Interface (FDDI)
  - 6.1. Project 1.25.13.01.03 - FDDI - Part 1: Physical Layer Protocol (PHY) [ISO 9314-1:1989] *no action required*
  - 6.2. Project 1.25.13.01.04 - FDDI - Part 2: Media Access Control (MAC) [ISO 9314-2:1989] - *no action required*
  - 6.3. Project 1.25.13.01.05 - FDDI - Part 3: Physical Layer Medium Dependent (PMD) [ISO/IEC 9314-3:1990] *no action required*
  - 6.4. Project 1.25.13.01.06 - FDDI - Part 4: Single-Mode Fibre Physical Layer Medium Dependent (SMF-PMD) [ISO/IEC 9314-4:1999] -- *no action required*
  - 6.5. Project 1.25.13.01.07 - FDDI - Part 5: Hybrid Ring Control (HRC) [ISO/IEC 9314-5:1995] *no action required*
  - 6.6. Project 1.25.13.01.08 - FDDI - Part 6: Station Management (SMT) [ISO/IEC 9314-6:1998] *no action required*
  - 6.7. Project 1.25.13.01.09 - FDDI - Part 9: Low Cost Fibre Physical Layer Medium Dependent (LCF-PMD) [ISO/IEC 9314-9:2000] *no action required*
  - 6.8. Project 1.25.13.01.10 - FDDI - Part 10: Twisted Pair Physical Layer Medium Dependent (TP-PMD) [FCD 9314-10] *no action required*
  - 6.9. Project 1.25.13.01.11 - FDDI - Part 8: Media Access Control-2 (MAC-2) [ISO/IEC 9314-8:1998] -- *no action required*
  - 6.10. Project 1.25.13.01.12 - FDDI - Part 7: Physical Layer Protocol-2 (PHY-2) [ISO/IEC 9314-7:1998] -- *no action required*
  - 6.11. Project 1.25.13.01.15 - FDDI - Part 13: FDDI Conformance Testing, Protocol Implementation Conformance Statement Proforma (CT-PICS) [ISO/IEC 9314-13:1998] *no action required*
  - 6.12. Project 1.25.13.01.20 - FDDI - Part 20: Physical Layer Medium Dependent Abstract Test Suite (PMD-ATS) [ISO/IEC 9314-20:2001] *no action required*
  - 6.13. Project 1.25.13.01.21 - FDDI - Part 21: Physical Layer Protocol Abstract Test Suite (PHY-ATS) [ISO/IEC 9314-21:2000] *no action required*
  - 6.14. Project 1.25.13.01.25 - FDDI - Part 25: Station Management Abstract Test Suite (SMT-ATS) [ISO/IEC 9314-25:1998] -- *no action required*
  - 6.15. Project 1.25.13.01.26 - FDDI - Part 26: Media Access Control Abstract Test Suite (MAC-ATS) [DIS 9314-26] *no action required*

- 7 Project 1.25.13.10.XX - Device Level Interface: Interfaces between Host Computers and Devices
- 7.1. Project 1.25.13.10.01 - IT - Interface between flexible disk cartridge drives and their host controller's *no action required*
  - 7.2. Project 1.25.13.10.09 - Intelligent Peripheral Interface (IPI) - Part 4: Device Generic Command Set for Magnetic Tape Drives (IPI-3 Tape) [ISO/IEC 9318-4:1990] Recommend withdrawal
  - 7.3. Project 1.25.13.10.13 - Small Computer System Interface-2 (SCSI-2) [ISO/IEC 9316:1995] -- *no action required*
- 8 Project 1.25.13.11.XX - Small Computer System Interface (SCSI) : SCSI, SCSI-2, and SCSI-3
- 8.1. Project 1.25.13.11.01 - Small Computer System Interface (-2) (SCSI(-2)) [ISO/IEC 9316:1995] *no action required*
  - 8.2. Project 1.25.13.11.02 - SCSI-2 Common Access Method (SCSI-2 CAM) [ISO/IEC 9316-2:2000] *no action required*
  - 8.3. Project 1.25.13.11.08 - SCSI-3 Architecture Model (SAM) [ISO/IEC 14776-411:1999] – Recommend it should be reconfirmed
  - 8.4. Project 1.25.13.11.10 - SCSI-3 Block Commands (SBC) [FCD 14776-321:2002] *no action required*
  - 8.5. Project 1.25.13.11.11 - SCSI-3 Stream Commands (SSC) [CD 14776-331:2002] *no action required*
  - 8.6. Project 1.25.13.11.13 - SCSI-3 Medium Changer Commands (SMC) [CD 14776-351] FCD document submitted for ballot
  - 8.7. Project 1.25.13.11.15 - SCSI-3 Controller Commands (SCC) [ISO/IEC 14776-341:2000] *no action required*
  - 8.8. Project 1.25.13.11.16 - SCSI Optical Memory Card Device Commands (OMC) [ISO/IEC 14776-381:2000] *no action required*
  - 8.9. Project 1.25.13.11.17 - SCSI Multi-Media Command Set-2 (MMC-2) [FCD 14776-362] Revised document sent for FDIS ballot
  - 8.10. Project 1.25.13.11.18 - SCSI Fibre Channel Protocol-2 (FCP-2) [14776-222] text sent for FDIS ballot
  - 8.11. Project 1.25.13.11.19 - SCSI Architecture Model-2 (SAM-2) [14776-412], text sent for FDIS ballot
  - 8.12. Project 1.25.13.11.20 - SCSI Serial Bus Protocol-2 (SBP-2) [DIS 14776-232: 2001] *no action required*
  - 8.13. Project 1.25.13.11.21 - SCSI Parallel Interface-2 (SPI-2) [FDIS 14776-112: 2001] *no action required*

- 8.14. Project 1.25.13.11.22 - SCSI-3 SCSI Enclosure Services (SES) [CD 14776-371] Replace with SES-2
  - 8.15. Project 1.25.13.11.23 - SCSI Controller Commands-2 (SCC-2) [ISO/IEC 14776-342:2000] *no action required*
  - 8.16. Project 1.25.13.11.25 - SCSI Reduced Block Commands (RBC) [CD 14776-326: 2002] *no action required*
  - 8.17. Project 1.25.13.11.26 - SCSI Parallel Interface-3 (SPI-3) [FCD 14776-113: 2002] *no action required*
  - 8.18. Project 1.25.13.11.27 - SCSI Primary Commands-2 (SPC-2) [14776-312] FDIS submitted for ballot
  - 8.19. Project 1.25.13.11.28 - SCSI Parallel Interface-4 (SPI-4) [14776-114] *no action required*
  - 8.20. Project 1.25.13.11.29 - SCSI Multi-Command Set-3 (MMC-3) [14776-363] *no action required*
  - 8.21. Project 1.25.13.11.31 - SCSI Block Commands-2 (SBC-2) [14776-322] NWIP in process
  - 8.22. Project 1.25.13.11.32 - SCSI Scheduled Transfer (SST) [14776-241] Project canceled in US
  - 8.23. Project 1.25.13.11.33 - SCSI Primary Commands-3 (SPC-3) [14776-313] *no action required*
  - 8.24. Project 1.25.13.11.34 - SCSI RDMA Protocol (SRP) [14776-251] No NWIP in process
  - 8.25. Project 1.25.13.11.35 - SCSI Parallel Interface-5 (SPI-5) [14776-115] to be published
  - 8.26. Project 1.25.13.11.36 - SCSI Serial Attached SCSI (SAS) [14776-150] FDIS text submitted for ballot
  - 8.27. Project 1.25.13.11.37 - SCSI Signal Modelling-2 (SSM-2) [14776-132] Needs FCD text
  - 8.28. Project 1.25.13.11.38 - SCSI Passive Interconnect Performance (PIP) [14776-121] Needs FCD text
  - 8.29. Project 1.25.13.11.39 - SCSI Serial Bus Protocol (SBP-3) [14776-233] NWIP submitted
- 9 Project 1.25.13.12.XX - High Performance Parallel Interface (HIPPI)
- 9.1. Project 1.25.13.12.01 - HIPPI - Part 1: Physical Layer (HIPPI-PH) [ISO/IEC 11518-1:1995] *no action required*

- 9.2. Project 1.25.13.12.02 - HIPPI - Part 2: Framing Protocol (HIPPI-FP) [ISO/IEC 11518-2:2000] *no action required*
- 9.3. Project 1.25.13.12.03 - HIPPI - Part 3: Link Encapsulation (HIPPI-LE) [ISO/IEC 11518-3:1996] *no action required*
- 9.4. Project 1.25.13.12.06 - HIPPI - Part 6: Physical Switch Control (HIPPI-SC) [ISO/IEC 11518-6:2000] *no action required*
- 9.5. Project 1.25.13.12.08 - HIPPI - Part 8: Mapping to ATM (HIPPI-ATM) [ISO/IEC 11518-8:1999] – Recommend withdrawal
- 9.6. Project 1.25.13.12.09 - HIPPI - Part 9: Serial Extension (HIPPI-Serial) [ISO/IEC 11518-9:1999] -- *no action required*
- 9.7. Project 1.25.13.12.10 - HIPPI - Part 10: HIPPI-6400 Physical Layer (HIPPI-6400-PH) [ISO/IEC 11518-10:2001] *no action required*
- 10 Project 1.25.13.13.XX - Fibre Channel (FC)
  - 10.1. Project 1.25.13.13.04 - Fibre Channel (FC) Framing Protocol (FC-FP) [ISO/IEC 14165-211:1999] – Recommend withdrawal
  - 10.2. Project 1.25.13.13.05 - Fibre Channel (FC) Generic Fabric Requirements (FC-FG) [FDIS 14165-141: 2001] *no action required*
  - 10.3. Project 1.25.13.13.06 - Fibre Channel (FC) Arbitrated Loop-2 (FC-AL-2) [FCD 14165-122] ready for publication
  - 10.4. Project 1.25.13.13.11 - Fibre Channel (FC) Mapping of Single-Byte Command Code Sets-2 (FC-SB-2) [14165-222] Ready for publication
  - 10.5. Project 1.25.13.13.12 - Fibre Channel (FC) Switch Fabric Requirements (FC-SW) [ISO/IEC 14165-131:2000] Recommend withdrawal
  - 10.6. Project 1.25.13.13.15 - Fibre Channel (FC) Generic Services-2 (FC-GS-2) [14165-412] Recommend withdrawal
  - 10.7. Project 1.25.13.13.18 - Fibre Channel (FC) Audio-Visual Transport (FC-AV) [14165-321] in FDIS ballot
  - 10.8. Project 1.25.13.13.20 - Fibre Channel (FC) Back Bone (FC-BB-2) [14165-241] Ready for FCD ballot
  - 10.9. Project 1.25.13.13.21 - Fibre Channel (FC) 100 Twisted Pair (FC-100-TP) [14165-114] In second FCD ballot, comments expected from US
  - 10.10. Project 1.25.13.13.22 - Fibre Channel (FC) Framing and Signaling Interface (FC-FS) [14165-251] in FCD ballot
  - 10.11. Project 1.25.13.13.24 - Fibre Channel (FC) Physical Interface (FC-PI) [14165-115] in FCD ballot

- 10.12. Project 1.25.13.13.25 - Fibre Channel (FC) Switch Fabric-2 (FC-SW-2) [14165-132] Request change of title from SW-2 to SW-3
- 10.13. Project 1.25.13.13.26 - Fibre Channel (FC) Virtual Interface Architecture Mapping (FC-VI) [14165-331] Waiting for revised FDIS text
- 10.14. Project 1.25.13.13.27 - Fibre Channel 10 Gigabit (20GFC) [14165-116] in FCD ballot
- 10.15. Project 1.25.13.13.nn - Technical Report for Fibre Channel - Methodologies for Jitter and Signal Quality Specification, - MJSQ waiting for text
- 10.16. Project 1.25.13.13.nn - Fibre Channel (FC) Arbitrated Loop-2 Amendment 1(FC-AL-2) NWIP in ballot
- 11 Projects 1.25.13.14.XX and 1.25.13.15.XX - Scheduled Transfer and HPSB
  - 11.1. Project 1.25.13.14.01 - Scheduled Transfer (ST) Protocol [xxxxx-211] *no action required*
  - 11.2. Project 1.25.13.14.02 - Scheduled Transfer (ST) Application Programming Interface (API) [xxxxx-311] Recommend withdrawal
  - 11.3. Project 1.25.13.15.01 - High Performance Serial Bus (HPSB) [24701-???) Plan to submit FCD text by October 2005
  - 11.4. Project 1.25.13.15.02 - High Performance Serial Bus (HPSB) Bridges [24701-111] Plan to Fast Track IEEE standard 1394.1 when approved (2004)
  - 11.5. Project 1.25.13.15.03 - High Performance Serial Bus (HPSB) Peer Data Transport Protocol [24701-311] Cancel
- 12 Project 1.25.26.XX.XX - (former SC 26) Microprocessor and Bus Architecture Standards
  - 12.1. Project 1.25.26.01.01 - Binary floating-point arithmetic for microprocessor systems [IEC 60559:1989] Revision planned for submission by October 2005
  - 12.2. Project 1.25.26.01.03 - Control and Status Register (CSR) Architecture for microprocessor buses [ISO/IEC 13213:1994] Needs to be aligned with IEEE 1212-2001
  - 12.3. Project 1.25.26.02.01 - 8-bit and 16-bit data (MULTIBUS I) - Part 1: Functional description with electrical and timing specifications [IEC 60796-1:1990] Recommend withdrawal
  - 12.4. Project 1.25.26.02.02 - 8-bit and 16-bit data (MULTIBUS I) - Part 2: Mechanical and pin descriptions for the system bus configuration with edge connectors (direct) [IEC 60796-2:1990] Recommend withdrawal
  - 12.5. Project 1.25.26.02.03 - 8-bit and 16-bit data (MULTIBUS I) - Part 3: Mechanical and pin descriptions for the Eurocard configuration with pin and socket connectors (indirect) [IEC 60796-3:1990] Recommend withdrawal

- 12.6. Project 1.25.26.02.04 - VMEbus - Microprocessor system bus for 1 to 4 byte data [IEC 60821:1991] Amendment IEC 60821-am1:1999 missing, Interest by VITA
  - 12.7. Project 1.25.26.02.05 - VSB - Parallel sub-system bus of the IEC 60821 VMEbus [IEC 60822:1988] Interest by VITA
  - 12.8. Project 1.25.26.02.06 - Microprocessor system bus (VMSbus) - Serial sub-system bus of the IEC 821 Bus (VMEbus) [IEC 60823:1990] Recommend withdrawal
  - 12.9. Project 1.25.26.02.08 - 8-bit backplane interface: STEbus and mechanical core specifications for microcomputers [ISO/IEC 10859:1997] Recommend withdrawal
  - 12.10. Project 1.25.26.02.09 - High-performance synchronous 32-bit bus: MULTIBUS II [ISO/IEC 10861:1994] Recommend to stabilize
  - 12.11. Project 1.25.26.02.10 - VICbus - Inter-crate cable bus [ISO/IEC 11458:1993, ISO/IEC 11458-am1:2000] *no action required*
  - 12.12. Project 1.25.26.02.11 - Scalable Coherent Interface (SCI) [ISO/IEC 13961:2000] Needs to be aligned with IEEE 1596
  - 12.13. Project 1.25.26.02.12 - Futurebus+ (TM) - Profile M (military) [ISO/IEC 14536:1995] Recommend withdrawal
  - 12.14. Project 1.25.26.02.13 - Heterogeneous InterConnect (HIC) [ISO/IEC 14575:2000] *no action required*
  - 12.15. Project 1.25.26.02.14 - Synchronous Split Transfer Type System BUS (STbus) - Logical Layer [ISO/IEC 14576:2000] *no action required*
  - 12.16. Project 1.25.26.02.15 - Sbus: Chip and module interconnect bus [ISO/IEC 15205:2000] Recommend move to Stabilize standard
  - 12.17. Project 1.25.26.02.16 - VME64 [ISO/IEC 15776:2001] *no action required*
- 13 other standards
- 13.1. Project 1.25.26.03.01 - Terminology related to microprocessors [IEC 60824:1988] Recommend withdrawal
  - 13.2. Project 1.25.26.03.02 - Pin allocations for microprocessor systems using the IEC 603-2 connector [IEC/TR 60828:1988] Recommend withdrawal
  - 13.3. Project 1.25.13.16 - Fast Track; RapidIO/ECMA 342 , *no action required*, [DoC](#)
  - 13.4. Project 1.25.13.17 - Responsive Link [J1N7436](#) NWIP in ballot
  - 13.5. Project 1.25.13.18 - AT Attachment with Packet Interface-7 (ATA/ATAPI-7) [NP SATA via SC25a.doc](#) NWIP in ballot
  - 13.6. Project 1.25.13.19 – *Proposed* Storage Management Initiative Specification (SMI-S) [SNIA\\_NWIP\\_V1.doc](#) for information only

- 14 Standardization Activities in ISO/IEC JTC 1/SC 25/WG 4
  - 14.1. Update of (SC 25/) WG 4 Program of Work: [4Zch005](#)
  - 14.2. Review of draft SC 25 Business Plan [4Chi012](#)
  - 14.3. Need for future ISO/IEC standards within the scope of SC 25/WG 4
- 15 Liaison with other organizations
  - 15.1. Report on the activities of IEC TC 46 (Cables, Wires, R.F.Connectors, etc.) -- (to/from liaison member(s): experts from WG 3)
  - 15.2. Report of the development of interface standards within IEC SC 65C/WG 6 -- (from liaison member: none)
  - 15.3. Report on the development within IEC TC 86 (Fibre Optics) -- (to/from liaison member(s): experts from WG 3)
  - 15.4. Report on the development within IEC TC 100 (Audio, Video, and Multimedia Systems) -- (to/from liaison member:): liaison vacant
  - 15.5. Report on the activities of IEEE 802 regarding LAN standards -- (to/from liaison member(s): none)
  - 15.6. Other liaisons (e.g. co-operation with ISO/IEC JTC 1 SC 25/WG 3, liaison to/from IEEE regarding IEEE 1394)
  - 15.7. Review of Liaisons 25Nnnn
- 16 Any other business
- 17 Future meeting(s)
- 18 Approval of resolutions and action points
  - 18.1. Draft Resolutions
  - 18.2. Action points
- 19 Closure of Meeting