



BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-41 Meeting Report

Date: 05/07/04

Location: Charlotte, NC

Approved: 06/28/04

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**Telecommunications Industry Association
Standards and Technology Department**

**Engineering Committee TR-41
User Premises Telecommunications Requirements**

Meeting Report

Chair: Stephen R. Whitesell
Vice-Chair: Roger W. Britt
Secretary: Harry A. Van Zandt

Date: May 7, 2004
Venue: Adam's Mark Hotel
City: Charlotte, NC

1. Call to Order and Opening Business

a. Call to Order and Introductions

Chair Steve Whitesell called the meeting to order at 8:00 am, and the attendees introduced themselves.

b. Roll Call and Quorum

Roll call was taken and a quorum was declared with 14 of 15 voting member companies represented. After quorum was determined, Allen Woo was advised that Plantronics had gained voting rights and will be placed on the quorum list for the next meeting.

1) Quorum Members or Alternates Present

Alcatel – François Pinier

Atlinks – Roger Hunt

AVAYA – Joanne McMillen

Cisco – Bob Bell

ECS – Harry Van Zandt

Mitel – Greg Slingerland

Nortel – Roger Britt

Siemens – Tailey Tung

Teccor – Phillip Havens

Telcordia – Chrys Chrysanthou

UL – Randy Ivans

Uniden – Al Baum

VTech – Steve Whitesell

Wyle Labs – Jim Smith

2) Quorum Members Absent

AST – James Bress

3) Others Present

Dietrich Lockard Group – Richard Frank

ETSI STQ Liaison – Joachim Pomy

Industry Canada – Claude Beaudoin

Industry Canada – Efrain Guevara

Plantronics – Allen Woo

Siemens – Dave VanderMeiden

Sprint – Amar Ray

TIA Staff – Stephanie Montgomery

Verizon- Trone Bishop

c. Review and Approve Agenda (001)

The agenda was submitted for review and approved without changes.

d. TIA Patent Policy

The Chair made the attendees aware of the following statement concerning TIA's Patent Policy and the desire for early disclosure of patents, the use of which may be essential to any standard or other document being developed for publication:

There is no objection in principle to drafting a TIA Publication in terms that may require the use of a patent. Participants in the work of the TR-41 are urged to review the Patent Policy in TIA's Engineering Manual. An electronic version of the Engineering Manual is available on TIA's website at www.tiaonline.org, or a copy may be obtained from the TIA Secretariat.

Individual participants are encouraged to notify TIA of any patents or pending patent applications that may be essential to the practice of a proposed TIA Publication. Such

notification should be made early in the development process to reduce the possibility for delays and increase the likelihood that the proposed TIA Publication will be approved. The participant making such a disclosure will be requested to have his/her company submit a statement concerning its willingness to license the essential patents as set forth in Annex H to the Engineering Manual. The disclosure need not (but may) identify the specific patents or pending patent applications that may be essential to the practice of the proposed TIA Publication.

Patent searches are not required to comply with the TIA Patent Policy.

e. Chair's Remarks

Steve reported that progress on changes to the Engineering Manual that will allow use of a new simplified cover sheet are bogged down in controversy over the wording to be used when making the Appendix H statement about willingness to license Intellectual Property. A proposal has been made in the IPR Standing Committee to separate this issue from the cover page issue so that we can start using the new cover page. However, an additional ballot by members of the Technical Committee may be required to make this happen.

Greg Slingerland has volunteered to pull together the various pieces of process and policy information currently available on the TR-41 FTP site, supplement it with some additional material, and produce a draft TR-41 Policy and Procedures document prior to the next meeting.

f. TIA Staff Remarks

TIA is in the process of finalizing invoicing to TR-41 members and will enforce payment of membership dues or a participation fee in order to participate in standard work.

Billie Zidek-Connor is retiring from TIA as Secretariat effective May 2004. It is not clear whether she will be replaced or whether her responsibilities will be spread among existing staff.

2. Previous Meeting Report (002)

The previous meeting report was reviewed and adopted without change.

3. Subcommittee Reports and Requests

TR-41's subcommittees and working groups met at various times from Monday through Thursday.

a. TR-41.1 – Multiline Terminal Systems – Tailey Tung (003)

Subcommittee TR-41.1 met on Thursday, May 6, 2004.

Project Status: The following is a summary of the status of each project assigned to TR-41.1.

- PN-3-0099, Comparison of transmission requirements in standards ANSI/TIA-464-C and ETSI ES 201 168 V1.2.1 (to become TSB-147)

Current Status: The PN-3-0099 re-ballot closed on 4/14/2004 with 0 Disapprove, 5 Approves, 2 approves with editorial comments and 7 Ballots not returned. TR41.1 reviewed and resolved the editorial ballot comments in the 5/2004 meeting.

Target Completion Date: 8/2004.

Plenary Action Requested: TR41.1 voted and approved the Chair to request Plenary concurrence for requesting TIA to publish the document as TIA TSB-147 after incorporating the approved editorial changes.

Plenary Action Taken: Unanimously Approved

- PN-3-3673-AD1, Proposed Addendum to TIA-464-C Requirements for Private Branch Exchange (PBX) Switching Equipment (to become TIA-464C-AD1)

Current Status: The PN-3-3673-AD1 re-ballot closed on 4/26/2004 with 0 Disapprove, 11 Approves, 0 approve with editorial comments and 5 Ballots not returned.

Target Completion Date: 8/2004.

Plenary Action Requested: TR41.1 voted and approved the Chair to request Plenary concurrence for requesting TIA to publish the addendum as ANSI/TIA-464C-1.

Plenary Action Taken: Unanimously Approved

- PN-3-4676-RV2, Information Technology - Telecommunications - Synchronization Methods and Technical Requirements for Private Integrated Services Networks (to become TIA-594-B)

Current Status: TIA published the TIA-594-B standard in March 2004. Project closed.

Additional Information: TR-41.1 would like to provide the following additional information.

- For TR41.1 to develop telephony interface standards for VoIP gateways and terminal adapters, TR41.1 voted and approved the Chair to request Plenary concurrence to change the title of TR41.1 from "Multi-Line Telecommunications Systems (MLTS)" to "Telephony Aspects of MLTS and VoIP Equipment" and to revise its scope as follows:

"TR41.1 develops and maintains voluntary standards and technical reports on Multi-Line Telecommunications Systems (MLTS) and Analog / Digital telephony interfaces for Voice over Internet Protocol (VoIP) equipment including the interconnection of this equipment in private networks. These standards and reports address performance, signaling, transmission and other criteria essential to the telephony proper operation and interconnection of this equipment.

MLTS includes Private Branch Exchange and Key Telephone Systems. VoIP equipment includes, but is not limited to, gateways and terminal adapters for voice applications.

TR41.1 maintains liaison relationships with other standards development organizations and may undertake engineering studies if requested by TR-41."

Plenary Action Taken: Unanimously Approved

b. TR-41.3 – Analog and Digital Wireline Terminals – James Bress (004)

Subcommittee TR-41.3 met on Thursday afternoon, May 6, 2004. Its various working groups met from Monday through Thursday morning.

Project Status: The following is a summary of the status of each Project assigned to TR-41.3.

- PN-3-nnnn, Comparison of TIA-470-C and ETSI TS 103 021 Requirements (to become TSB-470)

Current Status: In Progress

Target Completion Date: 05/2005

- PN-3-4350.110-RV3, Handset Acoustic Performance Requirements for Analog Telephones (to become TIA-470.110-C)

Current Status: Submitted for publication, awaiting TIA legal approval.

Target Completion Date: 05/2004

- PN-3-4350.120-RV3, Handsfree Acoustic Performance Requirements for Analog Telephones (to become TIA-470.120-C)

Current Status: A contribution was presented as a draft document. It was revised during the meeting and accepted as the official working document.

Target Completion Date: 02/2006

- PN-3-4350.130-RV3, Headset Acoustic Performance Requirements for Analog Telephones (to become TIA-470.130-C)

Current Status: The first meeting was held on Wednesday. A contribution was presented as a draft document. It was revised during the meeting and accepted as the official working document.

Target Completion Date: 02/2006

- PN-3-4350.210-RV3, Resistance and Impedance Performance Requirements for Analog Telephones (to become TIA-470.210-C)

Current Status: Submitted for publication, awaiting TIA legal approval.

Target Completion Date: 05/2004

- PN-3-4350.220-RV3, Alerter Acoustic Output Performance Requirements for Analog Telephones (to become TIA-470.220-C)

Current Status: Submitted for publication, awaiting TIA legal approval.

Target Completion Date: 05/2004

- PN-3-4350.230-RV3, Network Signaling Performance Requirements for Analog Telephones (to become TIA-470.230-C)

Current Status: Work continued on revising the draft document.

Target Completion Date: 11/2004

- PN-3-4350.310-RV3, Cordless Telephone Range Measurement Procedures for Analog Telephones (to become TIA-470.310-C)

Current Status: Submitted for publication, awaiting TIA legal approval.

Target Completion Date: 05/2004

- PN-3-4350.320-RV3, Cordless Telephone Features Performance Requirements (to become TIA-470.320-C)

Current Status: Work continued on revising the draft document

Target Completion Date: 11/2004

Additional Information: TR-41.3 would like to provide the following additional information.

- Discussion was raised about where VoIP terminal adapters with analog interface belong in TR41. The feeling is that we are already lagging the service providers that are beginning to roll out the service and numerous issues have been found in limited testing performed by TIA members. There was extensive rhetoric on whether this belongs in TR41.3, TR41.1 or TR41.4 with revised scopes or a new TR41.x sub-committee. Berndt Martenson provided TR41.3 with an ETSI preliminary draft document relating to this issue. He expressed interest to have a liaison established.

Plenary Action Requested: TR41.3 urgently requests the TR41 Plenary to determine where this work should be addressed and direct the work to be started without delay.

Plenary Action Taken: To be taken up in "New Business" in the Plenary meeting.

c. TR-41.4 – IP Telephony Infrastructure and Interworking - Bob Bell (005)

Subcommittee TR-41.4 met on Tuesday and Wednesday, May 4 & 5, 2004.

Project Status: The following is a summary of the status of each Project assigned to TR-41.4.

- PN-3-0061, IP Telephony Security Framework (to become new TSB)

Current Status: A contribution that was submitted against PN-3-4462-URV was requested to be included in this document instead.

Target Completion Date: 11/2004

- PN-3-0102, Requirements for a Wireless LAN Based IP Telephony Subsystem (to become TIA-1002)
Current Status: No contributions received.
Target Completion Date: 11/2004
- PN-3-0103, Requirements for a Wireless LAN Based IP Telephony Endpoint (to become TIA-1003)
Current Status: No contributions received
Target Completion Date: 11/2004
- PN-3-0104, Functionality Classes for IP Telephony Residential Gateways (to become TSB-148)
Current Status: No contributions Received
Target Completion Date: 11/2004
- PN-3-0105, IP Telephony Endpoint Performance Metrics (to become TIA-1004)
Current Status: No contributions received
Target Completion Date: 11/2004
- PN-3-4462-URV, Performance and Interoperability Requirements for Voice-over-IP (VoIP) Telephone Terminals (to become TIA-811-A)
Current Status: The following Contributions were received.
TR41.4-04-05-004-PN-3-4462-URV-IS811UpdatedDRAFT
TR41.4-04-05-005-LR1-SecurityRecommendationsForIPPhones
TR41.4-04-05-011-LR1-DefinitionsForPrivacyAuthenticationAndPresence
The document is progressing and there were homework items assigned.
Target Completion Date: 11/2004
- PN-3-4601, IP Telephony Gateways and Related Control Infrastructure
Current Status: No contributions received
Target Completion Date:
Plenary Action Requested: TR41.4 requests the concurrence of TR41 to close this project.
Plenary Action Taken: Unanimously Approved
- PN-3-4726-RV1, Location Identification and Callback Procedures for IP Terminals (to become TSB-146-A)
Current Status: No contributions received.
Target Completion Date: 11/2004
- PN-3-4826-RV1, Voice Gateway Transmission Requirements (to become TIA-912-A)
Current Status: Ready to publish.
Roger presented the results of the ballot and we resolved the single negative ballot by modifying the text of a table to agree with the envelope graph.
Target Completion Date: 08/2004
Plenary Action Requested: TR41.4 requests the concurrence of TR41 to send the finished update to TIA-912-A and to congratulate Roger for a job well done.

Plenary Action Taken: Unanimously Approved

Additional Information: TR-41.4 would like to provide the following additional information.

- Request to create a new project to be titled Media Endpoint Discovery.

This project is intended to create an ANSI standard document for eventual submission to ISO. The document is intended to extend the basic IEEE 802.1AB LLDP protocol to allow for the communication of VoIP specific parameters between VoIP endpoints and the access switch to which the endpoint is attached.

Plenary Action Requested: TR41.4 requests the concurrence of TR41 in the creation of a new project covering the extension of IEEE 802.1AB for VoIP Purposes.

Plenary Action Taken: Unanimously Approved

- Establish Liaison Relationship with 802.1

In conjunction with the above work item, TR41.4 felt that it was important to establish a liaison with IEEE 802.1. The Liaison letter is in document TR41.4-04-05-014-M.

Plenary Action Requested: TR41.4 requests the concurrence of TR41 in the establishment of a liaison relationship between TR41.4 and IEEE 802.1 and in the sending of a letter to establish this relationship.

Plenary Action Taken: Unanimously Approved

d. TR-41.7 – Environmental and Safety Considerations - Randy Ivans (006)

Subcommittee TR-41.7 met on Thursday afternoon, May 6, 2003. Its 41.7.4 and 41.7.5 Working Groups on Wednesday, and its 41.7.1 Working Group met on Thursday morning.

Project Status: The following is a summary of the status of each Project assigned to TR-41.7.

- PN-3-3283-RV2, Environmental Considerations (to become TIA-571-B)

Current Status: Currently reviewing the draft document. Reviewed and discussed voltage sags, interruptions and surges and transportation stresses.

Target Completion Date: 5/2005

- PN-3-0129, Telecom Circuit Overcurrent Protectors (to be submitted to UL)

Current Status: Currently reviewing the draft document. Reviewed and discussed typing and rating of devices. Also the effects of normal operating dc voltages (up to 400V) on how the device reacts to the 600Vac power cross tests was introduced as a possible concern.

Target Completion Date: 08/2005

Additional Information: TR-41.7 would like to provide the following additional information.

- As introduced at the last plenary meeting, TR41.7.1 received and reviewed new information related to raising the low current power cross requirements to 3 amperes from the traditional 2.2 amperes. Data from test trials at 2.8A on existing 32 AWG tinsle cords indicated that they would be severely damaged and thus raising the limit would be incompatible with existing requirements in UL and CSA standards for telecom cords where the cords are evaluated for handling 2.2A. The WG recommended that TR41.7 propose to the UL/CSA BNWG that the requirements for equipment in UL60950 be revised back to the UL1459 limits which were designed to coordinate with the cord requirements. TR41.7 voted on and concurred with this recommendation. It was recognized that for nework equipment like that covered by GR-1089-CORE, 26AWG minimum wiring is used for connections and that the 3 ampere limit currently in GR-1089-CORE would not introduce an inconsistency with the proposed revision since connections using 26AWG or heavier cords are exempt from this particular requirement in UL60950.

Plenary Action Requested: TR41.7 is asking concurrence to forward a proposal to the UL/CSA Bi-National Working Group to revise the requirements for the wiring simulator in UL/CSA 60950-1 back to the limits originally in UL1459 (Approximately 2.2A) to coordinate with the limits in UL1863 and CSA C22.2 No. 233 for telecom cords. The proposal will call for the replacement of the MDL 2 fuse with the MDQ 1.6 and the replacement of the 100 A²-s curve with the I²-t curve in Figure 59.2 of UL1459.

Plenary Action Taken: Unanimously Approved

e. TR-41.9 – Terminal Attachment Programs – Greg Slingerland (007)

Subcommittee TR-41.9 met on Tuesday, May 4, 2004. Its 41.9.2 Working Group met on Monday.

Project Status: The following is a summary of the status of each Project assigned to TR-41.9.

- PN-3-0016-AD3, Technical Criteria for Terminal Equipment to Prevent Harm to the Telephone Network (Third Addendum to TIA-968-A)

Current Status: Document finalized and conditionally voted to ballot, publication and submission to the ACTA for adoption

Target Completion Date: 8/2004

Plenary Action Requested: TR41.9 requests TR41 concurrence on conditionally sending SP-3-0005-AD3 (to be published as TIA-968-A-3) to ballot, publication and submission for adoption by the ACTA.

Plenary Action Taken: Unanimously Approved

- TR41.9 wants to inform TR41 that it will be sending a letter to T1E1.4 as part of sending SP-3-0005-AD3 to ballot. We will be informing them of the addendum and that it contains the addition of an alternate PSD mask for ADSL equipment. We will be providing them with a copy of the addendum and a copy of the contribution TR41.9-04-05-010-L that contains the background for the addition. We seek their input on this alternate PSD mask for ADSL equipment. If we do not get any response within one week after their next meeting in two weeks time, we will proceed to send the addendum to ballot.
- PN-3-3602-RV3, Rationale and Measurement Guidelines for TIA-968 (to become TSB-31-C)
Current Status: About 95% complete with the first pass through the document
Target Completion Date: 05/2005
- PN-3-4124, Responses to Part 68 and TIA-968 Questions (On-going effort)
Current Status: Being updated
Target Completion Date: N/A

Additional Information: TR-41.9 would like to provide the following additional information.

- TR41.9 considered the request it received from the ACTA at the previous meeting (Vancouver) regarding next generation networks (TR41.9-04-02-013-L). TR41.9 has formulated a response letter.

Plenary Action Requested: TR41.9 requests TR41 concurrence on sending a response letter (TR41.9-04-05-007-MR1) to the ACTA regarding next generation networks.

Plenary Action Taken: Unanimously Approved

4. Liaison Reports

- IEEE 802.11/19 – Steve Whitesell reported the IEEE 802 Wireless Interim Meeting will be held next week in Orange County, CA.

Draft 8.0 of the 802.11e QoS enhancements document is out for its initial Sponsor Ballot. The ballot closes on May 8, 2004. There will probably need to be one or two recirculation ballots to deal with comments received, but publication is possible by 9/04.

Draft 10.0 of the 802.11i Security enhancements document is out for its third recirculation at the Sponsor ballot stage. This ballot also closes on May 8, 2004. Could possibly be approved for publication by 6/04.

The work of 802.11 Task Group K on radio resource measurements and the new 802.11 Fast Roaming Study Group should both be of interest to TR41.4 VoIP work.

802.19 has issued a “call for submissions” for a document describing the process that new 802.11 projects will have to follow in evaluating their ability to coexist with other 802 wireless products and possibly with other products that share the same frequency spectrum, such as cordless telephones.

5. Old business

The subject of whether TR-41.1 should continue now that it is wrapping up its current projects has been resolved as noted in its subcommittee report. It will continue and take on work related to the analog/digital telephony gateways of VoIP equipment in addition to any future maintenance required for the MLTS documents it has produced. This will allow TR-41.4 to concentrate more on the protocol related issues for VoIP.

6. New Business

Discussion centered on where to put the work on VoIP Terminal Adapters for voice applications. TR41.1, TR41.3, TR41.4, a new subcommittee, or a WG in each subcommittee to address their respective concerns were all discussed as possibilities. At Steve Whitesell’s suggestion, the members agreed to invite appropriate industry representation to our meeting in August to discuss the issues. Tailey Tung suggested that TR-41.1 and TR41.3 bring in contributions at the next meeting so the each group’s concerns can be addressed. Bob Bell recommended one of the biggest groups to seek out is packetcable.com. Steve Whitesell will work with the TR41 chairs to develop a press release to the industry.

7. Meeting Schedules

a. Next Meeting

The next meeting will be held the week of August 9-13 in Washington, DC. The preliminary meeting schedule for the various TR-41 subcommittees and working groups is given in Appendix A. The details for the meeting hotel are as follows:

Crowne Plaza Washington, DC
14th & K Streets, NW
Washington, DC 20005
Ph: 202-682-0111
Fax: 202-218-7001
www.crowneplazawashington.com

b. Future Meetings

The schedule for future TR-41 meetings is given below.

Date	Location	Notes
November 8-12, 2004	San Antonio, TX	Make reservations
February 7-11, 2005	Southwest	
May 9-13, 2005	Mid North/Northeast	
August 8-12, 2005	West/Northwest	

November 7-11, 2005

South/Southeast

8. Adjournment

There being no further business, the meeting was adjourned at 9:55am. This meeting was conducted in accordance with the TIA Legal Guides and the Engineering Manual.

Harry A. Van Zandt
Secretary, TR-41

Stephen R Whitesell
Chair, TR-41

Appendix A
Tentative TR-41 Meeting Schedule for August 2004

MONDAY 0830 – 1230 9 Aug 2004	TR-41.3.8 Network Signaling (McKinnon – 20)		TR-41.9 Regulatory (Slingerland – 20)	
MONDAY 1330 – 1730 9 Aug 2004		TR-41 Call for Interest VoIP Terminal Adapters (Whitesell – 35)	TR-41.9 Regulatory (Slingerland – 20)	
MONDAY 1800 – 1930 9 Aug 2004	TR-41 Leadership User Premises Eqpmt (Whitesell – 20)			
TUESDAY 0830 – 1230 10 Aug 2004	TR-41.3.10 Hands Free Telephones (Baum – 20)	TR-41.4 VoIP Systems (Bell – 20)	TR-41.9.2 Part 68 Measurements (Slingerland – 20)	
TUESDAY 1330 – 1730 10 Aug 2004	TR-41.3.10 Hands Free Telephones (Baum – 20)	TR-41.4 VoIP Systems (Bell – 20)	TR-41.9.2 Part 68 Measurements (Slingerland – 20)	
TUESDAY 1930 – 2200 10 Aug 2004	TR-41.3.8 Network Signaling (McKinnon – 20)			
WEDNESDAY 0830 – 1230 11 Aug 2004		TR-41.4 VoIP Systems (Bell – 20)	TR-41.7.4 Environmental (McKinnon – 20)	
WEDNESDAY 1330 – 1730 11 Aug 2004	TR-41.3.11 Headset Telephones (Woo – 20)	TR-41.4 VoIP Systems (Bell – 20)	TR-41.7.5 Overcurrent Protection (Lindquist – 20)	
WEDNESDAY 1800 – 2200 11 Aug 2004				
THURSDAY 0830 – 1230 12 Aug 2004	TR-41.3.9 Cordless Telephones (Van Zandt – 20)	TR-41.1 Multiline Systems (Tung – 20)	TR-41.7.1 Int'l Safety Standards (Ivans – 20)	TR-41.9/T1E1.4 Regulatory/DSL (Slingerland/Sobara)
THURSDAY 1330 – 1730 12 Aug 2004	TR-41.3 Wireline Terminals (Bress – 20)	TR-41.1 Multiline Systems (Tung – 20)	TR-41.7 Environmental & Safety (Ivans – 20)	
THURSDAY 1900 – 2200 12 Aug 2004				
FRIDAY 0800 – 1030 13 Aug 2004	TR-41 Plenary User Premises Eqpmt (Whitesell – 20)			

**Appendix B
Document List**

TR41-04-05-000		TR-41 Document List for 2004
TR41-04-05-001	Secretary	Report for February 22, 2004 Meeting in Vancouver
TR41-04-05-002	Chair	Agenda for May 7, 2004 Meeting in Charlotte
TR41-04-05-003-MR1	41.1 Chair	Charlotte TR-41.1 Chair's Report
TR41-04-05-004-MR1	41.3 Chair	Charlotte TR-41.3 Chair's Report
TR41-04-05-005-MR1	41.4 Chair	Charlotte TR-41.4 Chair's Report
TR41-04-05-006-MR1	41.7 Chair	Charlotte TR-41.7 Chair's Report
TR41-04-05-007-MR1	41.9 Chair	Charlotte TR-41.9 Chair's Report