Approved by General Counsel

TR-41 Meeting Report
Date: 02/27/04
Location: Vancouver, Canada

Approved: 03/04/04
T# 7836

Telecommunications Industry Association
Standards and Technology Department

Engineering Committee TR-41
User Premises Telecommunications Requirements

Meeting Report

Chair: Stephen R. Whitesell	**Date: February 27, 2004**
Vice-Chair: Roger W. Britt	**Venue: Marriott Pinnacle Hotel**
Secretary: Harry A. Van Zandt	**City: Vancouver, BC, Canada**

_____

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 12 of 15 voting member companies represented.

    1) **Quorum Members or Alternates Present**

Alcatel – François Pinier	Nortel – Roger Britt
AST – James Bress	Siemens – Tailey Tung
ATLINKS – Roger Hunt	UL – Randy Ivans
Avaya – Joanne McMillen	Uniden – Al Baum
ECS – Harry Van Zandt	VTech – Steve Whitesell
Mitel – Greg Slingerland	Wyle Labs – Jim Smith

    2) **Quorum Members Absent**

Cisco – Bob Bell	Telcordia – Chrys Chrysanthou
Teccor – Phillip Havens	

    3) **Others Present**

ETSI STQ Liaison – Joachim Pomy	Plantronics – Allen Woo
Industry Canada – Andrew Kwan	Siemens – Dave Vander Meiden
Industry Canada – Efrain Guevara	TIA Staff – Stephanie Montgomery

    c. **Review and Approve Agenda (002)**

    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

Input was sought from TIA Staff concerning questions about gaining and loosing Quorum and Voting Rights. A reply to the questions was received from Dan Bart (TR41-04-02-009-L). Some of issues raised are open to individual committee interpretation, but need to be consistent within the committee and over time. The policies for TR-41 and its subcommittee will continue to be as follows:

- When a company is represented at two consecutive meetings, it shall gain voting rights immediately after the determination of quorum, and it shall be included in the quorum count for the following meeting. TIA Staff opinion is that quorum and voting rights cannot be obtained if this second meeting attend is not an official meeting with a quorum present, but this opinion is being appealed.

- When a company is not represented for three consecutive meetings, it shall be removed from the quorum count before determining if a quorum is present at that third meeting, and it shall lose voting rights. If a representative arrives late to this third meeting, the company shall have its quorum status and voting rights immediately restored.

An email was sent out on the status of the proposed new Contribution Cover Sheet (TR41-04-02-003). The Intellectual Property Rights Standing Committee (IPR SC) has met since that email was sent and resolved all comments. A default ballot of the Technical Committee will be held to approve the changes. The new cover sheet cannot be used until that occurs.

TR-41.9 Chair Greg Slingerland has received approval of the TIA Secretariat to post Attendance and Documentation Registers on the FTP site and just refer to them in meeting reports. He will be trying this in his subcommittee to see how members like it.

f. TIA Staff Remarks

TIA will soon be changing the passwords on the ftp site for general login.

A major criteria for all future hotel selections is WiFi access in both the meeting and guest rooms. The next meeting will have a free Internet café available set up especially for TR41 attendees.

2. Previous Meeting Report (-001)

The previous meeting report (TR41-04-02-001) was reviewed and approved 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 (-004)

Subcommittee TR-41.1 met on Thursday, February 26, 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 ballot closed on 1/05/2004 with 0 Disapprove, 8 Approves, 1 approve with editorial comments and 7 Ballots not returned. TR41.1 reviewed and resolved the editorial ballot comments in the 2/2004 meeting. .

Target Completion Date: 5/2004.

Plenary Action Requested: TR41.1 voted and unanimously approved the Chair to request Plenary concurrence for requesting TIA to publish the TIA TSB-147 after the editor incorporated the approved editorial changes to the document but holding the publication until TIA-470-110-C was published.

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: TR41.1 approved and TR41 concurred the publication of TIA-464-C-Addendum 1 in the 11/2003 meeting. Due to technical changes in TIA-470-110-C, the loss plan in the document needs to be revised and a default ballot is necessary.

Target Completion Date: 8/2004.

Plenary Action Requested: TR41.1 voted and unanimously approved the Chair to request Plenary concurrence to re-ballot TIA-464-C-Addendum 1 after the editor incorporated the approved changes to the document.

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: The PN-3-4676-RV2 re-ballot closed on 2/5/2004 with 1 Abstain, 1 Disapprove from Alcatel with comments, 8 Approves and 6 Ballots not returned. Alcatel later agreed to change its vote from Disapprove to Approve with editorial comments. TR41.1 reviewed and approved the editorial changes proposed by Alcatel to delete 2 introduction paragraphs and to include a statement in the introduction section that further information on private network synchronization can also be found in ISO/IEC/IS-11573 standard.

Target Completion Date: 8/2004.

Plenary Action Requested: TR41.1 voted and unanimously approved the Chair to request Plenary concurrence for requesting TIA to publish TIA-594-B after the editor incorporated the approved editorial changes to the document.

Plenary Action Taken: Unanimously Approved. However, Steve stated an on-line blue card from Alcatel must be received prior to publishing.

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

- None.

b. **TR-41.3 – Analog and Digital Wireline Terminals – James Bress (-005)**

Subcommittee TR-41.3 met on Thursday afternoon, February 26, 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: The first draft of the document was submitted as a contribution to TR41.3 from Berndt Martenson at ETSI. The goal is to identify specifications from TIA-470.xxx-C and ETSI TBR-21 that are different and try to move closer to harmonized standards.

Target Completion Date: 11/2004

- PN-3-4350.000-RV3, Overview of Standards for Telephone Performance (to become TIA-470.000-C)

Current Status: Document has been submitted for publication. Dan Bart agreed it was OK to make the document free on the TIA website.

Target Completion Date: 02/2004

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

Current Status: Industry Ballot was completed and approved. Unanimous vote in TR41.3 to publish the document.

Target Completion Date: 03/2004

Plenary Action Requested: Request concurrence to publish TIA-470.110-C.

Plenary Action Taken: Unanimously Approved

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

Current Status: First working group meeting was held this week. Document framework and scope were developed. Need contributions and industry input.

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: Industry Ballot was completed and approved. Unanimous vote in TR41.3 to publish the document.

Target Completion Date: 3/2004

Plenary Action Requested: Request concurrence to publish TIA-470.210-C.

Plenary Action Taken: Unanimously Approved

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

Current Status: Document is approved for publication but being held for publication to be timed with TIA-470.000-C, TIA-470.110-C, and TIA-470.210-C.

Target Completion Date: 3/2004

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

Current Status: Major revision work in progress. Muting related to DTMF signaling and pulse dial waveform templates being added.

Target Completion Date: 02/2005

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

Current Status: Document was approved for publication. Should be published this quarter as there has been some confusion regarding the publication forms status.

Target Completion Date: 3/2004

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

Current Status: Document is progressing with most work being done in WG meeting. Plan is to publish completed specifications and move specifications not able to be completed to an Annex for future consideration. The goal is to send for industry ballot after the May 2004 meeting.

Target Completion Date: 11/2004

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

- TR41.3 requests assistance in publicizing the new effort underway to standardize handsfree telephone performance in PN-3-4350.120-RV3.

- TR41.3 suggests developing a "Products to Documents" cross-reference guide to be published as a free document by TIA. This would allow for easily identifying TIA standards that are relevant to different types of products.

- TR41.3 requests consensus to send a liaison to T1E1.3 regarding On-Hook AC impedance measurements regarding use of DC during the test, frequency range of the measurement, and the status of these tests today.

  Plenary Action Taken: Unanimously Approved

- TR41.3 requests consensus from the Plenary to start a new project addressing headsets.

  Plenary Action Taken: Unanimously Approved

c. **TR-41.4 – IP Telephony Infrastructure and Interworking - Joanne McMillen (-006)**

Subcommittee TR-41.4 met on Tuesday and Wednesday, February 24 & 25, 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: No contributions were received so there is no change in status.

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 were received so there is no change in status. A liaison statement was received from Francois Pinier regarding WAPI (WLAN Authentication and Privacy Infrastructure), which is China's proprietary encryption standard for IEEE 802.11. IEEE and the Standardization Administration of China (SAC) will be meeting in May to try and reach an agreement so that two incompatible standards will not exist. Details can be found in TR41.4-04-02-005.

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 were received so there is no change in status. However, please note the liaison statement referred to in PN-3-0102.

Target Completion Date: 11/2004

- PN-3-0104, Functionality Classes for IP Telephony Residential Gateways (to become TSB-148)

Current Status: No contributions were received so there is no change in status.

Target Completion Date: 11/2004

- PN-3-0105, IP Telephony Endpoint Performance Metrics (to become TIA-1004)

Current Status: No contributions were received so there is no change in status.

- PN-3-4462-URV, Performance and Interoperability Requirements for Voice-over-IP (VoIP) Telephone Terminals (to become TIA-811-A)

Current Status: The subcommittee reviewed an updated version of the draft submitted by Dave Vander Meiden. An additional contribution from Dave regarding H.323 updates was discussed and accepted for inclusion in the draft.

Target Completion Date: 11/2004

- PN-3-4601, IP Telephony Gateways and Related Control Infrastructure

Current Status: No contributions were received so there is no change in status.

Target Completion Date: mm/yyyy

- PN-3-4726-RV1, Location Identification and Callback Procedures for IP Terminals (to become TSB-146-A)

Current Status: The subcommittee reviewed an updated version of the draft submitted by Nadine Abbott and Raymond Gass. An additional contribution from Nadine and Raymond for creating a new section was reviewed and accepted for inclusion in the draft. A new draft version was subsequently created and briefly reviewed by the subcommittee.

Target Completion Date: 11/2004

- PN-3-4826-RV1, Voice Gateway Transmission Requirements (to become TIA-912-A)

Current Status: Roger Britt briefed the subcommittee on the technical background and results of TR-41.3.5 testing. After further discussion, it was agreed that Roger would add a note to the full channel table to align it with the half channel table and also add the SLR 2 dB limit from G.101. The sub-committee then voted and approved submission of the revised version for ballot as an ANSI standard.

Target Completion Date: 08/2004

Plenary Action Requested: TR41.4 requests TR41 concurrence to submit the revised TIA 912-A for ANSI ballot

Plenary Action Taken: Unanimously Approved

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

- The election for chair was held. Since the vice-chair did not seek the chair position, a vice-chair election was not required. Bob Bell was voted by acclamation as chairman and Joanne McMillen will continue as the vice-chair.

- Some committee members had expressed interest in establishing a liaison relationship with ECMA TC32/TG17 based on shared interests in mobility work being done in the two groups. This was discussed and the subcommittee agreed that the relationship would be beneficial.

Plenary Action Requested: TR41.4 requests TR41 approval to liaise with TC32/TG17.

Plenary Action Taken: Unanimously Approved

- The subcommittee approved opening a new project related to PN-3-4726-RV1:

Title: Enterprise Location Information Server Interfaces

Scope: To standardize the application protocol interfaces between the Location Information Server (LIS) application functions and other Enterprise emergency call service entities.

Editor: Nadine Abbott, Telcordia Technologies, nabbott@telcordia.com

Plenary Action Requested: TR41.4 requests TR41 concurrence to open the new project.

Plenary Action Taken: Unanimously Approved

d. **TR-41.7 – Environmental and Safety Considerations - Randy Ivans (-007)**

Subcommittee TR-41.7 met on Thursday afternoon, February 26, 2003. Its 41.7.4 Working Group met on Monday morning, its 41.7.5 Working Group on Wednesday afternoon, and its 41.7.1 Working Group 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: In progress

    Target Completion Date: 5/2005

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

    Current Status: In progress. Because of the new approach to testing, characterization and identification of these devices as opposed to traditional overcurrent protection devices, it has taken the WG longer than expected to get into the meat of the requirements. Some early directions taken were diverted significantly resulting in a couple of necessary restarts.

    Target Completion Date: 08/2005

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

- There was a lot of debate in TR41.7.1 resulting from Telcordia's (GR-1089) raising the low current power cross requirements to 3 amperes from the traditional 2.2 amperes. TR41.7.1 will be gathering data on the historical background to the requirement, soliciting test trials at 3A on existing hardware and cords and poling manufacturers on their ability to pass UL1863 testing at 3 amperes. The discussions resulted from the identification of a gap between the 2.2 ampere stated limit and the let through current of the fuse used to sumilate a wiring system for the test.

- TR41.7.1 also brought up the inconsistency between requiring acoustic limiting for telecom headsets and the lack of any requirements for audio headsets and devices. The situation is now further complicated by hybrid devices such as cellphones that also serve as audio MP3 players. Do you require limiting or not? Why for one and not the other? TR41.7.1 will be gathering information on this and some proposals are expected for the next meeting to stimulate discussions.

e. **TR-41.9 – Terminal Attachment Programs – Greg Slingerland (-008)**

Subcommittee TR-41.9 met on Wednesday, February 25, 2004. Its 41.9.2 Working Group met on Tuesday.

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

- PN-3-0016-AD2, Technical Criteria for Terminal Equipment to Prevent Harm to the Telephone Network (Second Addendum to TIA-968-A)

    Current Status: Published by TIA, Awaiting adoption by the ACTA on 7-Mar-04.

    Target Completion Date: Complete

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

    Current Status: Just getting started.

    Target Completion Date: Vote to Ballot Aug-04

- PN-3-3602-RV3, Rationale and Measurement Guidelines for TIA-968 (to become TSB-31-C)

   Current Status: Work in progress. About 80% complete.

   Target Completion Date: Vote to Ballot Feb-05

- PN-3-4124, Responses to Part 68 and TIA-968 Questions (On-going effort)

   Current Status: Master list revived and working to update it. Will ask the ACTA if they would like to provide a link on their web site to the completed document.

   Target Completion Date: May-04 for this revision but always ongoing work.

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

- None

4. Liaison Reports

Draft 8.0 of the 802.11e QoS enhancements document is out for Working Group recirculation ballot as the final step before submitting it to wider distribution at the Sponsor ballot stage. This should happen following the March 802 Plenary meeting. Publication is possible by 9/04.

Draft 8.0 of the 802.11i Security enhancements document is out for its first recirculation at the Sponsor ballot stage. Could possibly be published by 6/04.

802.11 Task Group K is nearing completion of Draft 1.0 of its radio resource measurements supplement. Envisioned uses include making information available for determining when a handoff should be made between access points when a mobile unit is roaming.

New 802.11 FR Study Group has been formed to develop proposal for fast roaming / fast handoff process between access points once the decision has been made to do so. Need for fast handoff is critical to VoIP applications where handoff must take no longer than about 50 ms to avoid glitches in voice communications.

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

Document numbering was addressed at the last meeting. Roger Britt recommended downloading the reference document from the TIA website.

Committee and subcommittee renaming. No additional decisions have been made at this point.

6. New Business

None

7. Meeting Schedules

a. Next Meeting

The next meeting will be held the week of May 3-7 in Charlotte, NC. 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:

Adam's Mark Charlotte
555 South McDowell Street
Charlotte, NC 28204
Phone: 704-372-4100
Fax: 704-348-4646
Room Rate: $ 109.00
Cut off date: April 2, 2004
http://www.adamsmark.com

Note: It is highly recommended that hotel reservations, if not already confirmed, be made as soon as possible since there is an "Old Timer's Get Together" scheduled causing the block of rooms set aside to fill up quickly.

b. Future Meetings

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

Date	Location	Notes
August 9-13, 2004	Washington, DC	Collocated with T1E1
November 8-12, 2004	San Antonio	

8. Adjournment

There being no further business, the meeting was adjourned at 9:45am. This meeting was conducted in accordance with the TIA Legal Guides and the Engineering Manual.

Harry A. Van Zandt   Stephen R Whitesell
Secretary, TR-41   Chair, TR-41

Appendix A
Tentative TR-41 Meeting Schedule for Date

MONDAY **0830 – 1230** **3 May 2004**	**TR-41.3.8** **Network Signaling** **(McKinnon – 20)**		**TR-41.9.2** **Part 68 Measurements** **(Slingerland – 20)**	
MONDAY **1330 – 1730** **3 May 2004**	**TR-41.3.8** **Network Signaling** **(McKinnon – 20)**		**TR-41.9.2** **Part 68 Measurements** **(Slingerland – 20)**	
MONDAY **1800 – 1930** **3 May 2004**	**TR-41 Leadership** **User Premises Eqpmt** **(Whitesell – 20)**			
TUESDAY **0830 – 1230** **4 May 2004**	**TR-41.3.9** **Cordless Telephones** **(Van Zandt – 20)**	**TR-41.4** **VoIP Systems** **(Bell – 20)**	**TR-41.9** **Regulatory** **(Slingerland – 20)**	**Oldtimers' Reunion** **Gathering Space**
TUESDAY **1330 – 1730** **4 May 2004**	**TR-41.3.9** **Cordless Telephones** **(Van Zandt – 20)**	**TR-41.4** **VoIP Systems** **(Bell – 20)**	**TR-41.9** **Regulatory** **(Slingerland – 20)**	**Oldtimers' Reunion** **Gathering Space**
TUESDAY **1930 – 2200** **4 May 2004**				**Oldtimers' Reunion** **Presentations on** **TR-41 History**
WEDNESDAY **0830 – 1230** **5 May 2004**		**TR-41.4** **VoIP Systems** **(Bell – 20)**	**TR-41.7.4** **Environmental** **(McKinnon – 20)**	**Oldtimers' Reunion** **Gathering Space**
WEDNESDAY **1330 – 1730** **5 May 2004**	**TR-41.3.11** **Headset Telephones** **(Woo – 20)**	**TR-41.4** **VoIP Systems** **(Bell – 20)**	**TR-41.7.5** **Overcurrent Protection** **(Lindquist – 20)**	**Oldtimers' Reunion** **Gathering Space**
WEDNESDAY **1800 – 2200** **5 May 2004**				**Oldtimers' Reunion** **Carolina Pig Pickin'**
THURSDAY **0830 – 1230** **6 May 2004**	**TR-41.3.10** **Hands Free Telephones** **(Baum – 20)**	**TR-41.1** **Multiline Systems** **(Tung – 20)**	**TR-41.7.1** **Int'l Safety Standards** **(Ivans – 20)**	
THURSDAY **1330 – 1730** **6 May 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** **6 May 2004**				
FRIDAY **0800 – 1030** **7 May 2004**	**TR-41 Plenary** **User Premises Eqpmt** **(Whitesell – 20)**			

**Appendix B
Document List**

Number	Source	Description
TR41-04-02-000		TR-41 Document List for 2004
TR41-04-02-001	Secretary	Report for November 14, 2003 Meeting in Dallas
TR41-04-02-002	Chair	Agenda for February 22, 2004 Meeting in Vancouver
TR41-04-02-002-R1	Chair	Agenda for February 22, 2004 Meeting in Vancouver
TR41-04-02-003	Chair	Contribution Cover Sheet Status Update
TR41-04-02-004	41.1 Chair	Vancouver TR-41.1 Chair's Report
TR41-04-02-005	41.3 Chair	Vancouver TR-41.3 Chair's Report
TR41-04-02-006	41.4 Chair	Vancouver TR-41.4 Chair's Report
TR41-04-02-007	41.7 Chair	Vancouver TR-41.7 Chair's Report
TR41-04-02-008	41.9 Chair	Vancouver TR-41.9 Chair's Report
TR41-04-02-009-L	Dan Bart	TIA Staff Opinion on Voting Rights and Quorum