



BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-41 Meeting Report

Date: 11/22/02

Location: Atlanta, Georgia

Approved: 12/09/02

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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: November 22, 2002
Venue: Sheraton Atlanta Hotel
City: Atlanta, GA

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. Sprint was removed from quorum status as a result of not having a representative present for three consecutive meetings. A quorum was declared with 13 of the remaining 17 voting member companies represented at the start of the meeting. Representatives from two additional member companies joined the meeting in progress. UL was given voting rights and quorum status for future meetings as a result of having been represented for two consecutive meetings. This resulted in 16 of 18 member companies present for voting purposes.

1) Quorum Members or Alternates Present

Alcatel – François Pinier	Polycom – Peter Baker
AST – James Bress	Siemens – Tailey Tung
Atlinks – Clint Pinkham	Teccor – Phillip Havens
Avaya – Joanne McMillen	Telcordia – Kenneth Kerpez
Cisco – Bob Bell	Uniden – Al Baum
ECS – Harry Van Zandt	VTech – Steve Whitesell
Mitel – Greg Slingerland	Wyle Labs – Jim Smith
Nortel – Roger Britt	

2) Quorum Members Absent

National Comm System – Greg Bain	Sprint – Cliff Chamney*
Radio Shack – Richard Carey	

3) Others Present

Cisco – Tim Lawler	TIA Staff – Billie Zidek-Connor
ETSI Liaison – Joachim Pomy	Siemens – Dave VanderMeiden
Industry Canada – Henry Mar	U/L – Randy Ivans**

* Deleted from Quorum Member List.

** Will be placed on the Quorum Member List at the next meeting.

c. Review and Approve Agenda

The agenda was approved with the addition of liaison reports from T1E1.3 (Item 4b) and the joint TR-41.9/T1E1.4 meeting (Item 4c).

d. TIA Patent Policy

The Chair read 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:

Participants in the work of TIA Formulating Groups are urged to review TIA's Patent Policy in the appropriate sections of the TIA 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 published pending patent applications of which they are aware 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 holder of a patent or published pending patent application will be requested to submit a statement concerning willingness to license the essential patent(s) as set forth in Annex H to the Engineering Manual. The disclosure need not (but may) identify the specific patents or published 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

Follow up on the transfer of cordless telephone responsibility to TR-41 has been completed. The TIA Technical Committee approved the transfer at its meeting on September 5, 2002. Responsibility for this work will reside in TR-41.3.9, chaired by Harry Van Zandt, ECS Technologies.

A new IP Statement for the cover page of contributions has been distributed to all the TR-41 chairs. There will be a conference call on Monday, November 25 to discuss when the cover page must be used. The chair and TR-41.11 chair Greg Slingerland plan to participate in the call will collaborate on a set of guidelines for subcommittee and working group chairs.

The chair indicated he is trying to get TIA and Global Engineering Documents to modify their licensing agreements for electronic versions of TIA standards. He believes there is a need to be able to purchase multi-user licenses for individual standards that would allow them to be placed on a company's for access by more than one person. The number of people allowed to simultaneously access the document would be limited by the number of licenses purchased, but would not be restricted to specific individuals. The chair understands Global has created a proposal for such an offering and is awaiting TIA approval.

Acknowledgements and thanks go out to Henry Mar for his many years of dedicated service to TR-41 and to Ron Magnusson for his many contributions and expertise throughout the years. TR-41 members wish them both all the best in their future endeavors.

f. TIA Staff Remarks

Beginning February 2003, continental breakfast or afternoon snacks items will no longer be provided at the meetings by TIA due to budget cuts. Member companies may, however, sponsor the items if so inclined and an acknowledgement will be made in the sponsor's behalf.

2. Previous Meeting Report

The report of the previous meeting 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

Subcommittee TR-41.1 met on Thursday, November 21, 2002.

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

- **PN-3-1287-WD**, Multi-line KTS for voiceband applications (EIA/RS-478)
Current Status: Closed. TR-41.1 sent TIA the request form for the withdrawal of EIA/RS-478 in 8/2002. TIA issued notice on 9/30/2002 to withdraw EIA/RS-478.
Target Completion Date: 11/2002.
- **PN-3-1394-WD**, Line circuit for 1A2 generic multi-line key telephone systems (EIA/RS-487)
Current Status: Closed. TR-41.1 sent TIA the request form for the withdrawal of EIA/RS-487 in 8/2002. TIA issued notice on 9/30/2002 to withdraw EIA/RS-487.
Target Completion Date: 11/2002.
- **PN-3-2023-RF1**, Network Channel Terminating Equipment for Public Switched Digital Service (ANSI/TIA/EIA-596)
Current Status: Closed. The industry ballot closed on 9/3/2002 with 0 disapprove vote, 1 abstain, and 9 approve votes and 7 ballots not returned. TIA issued notice on 10/4/2002 to reaffirm ANSI/TIA/EIA-596.
Target Completion Date: 11/2002.
- **PN-3-3014-RF1**, Aggregation of multiple independent 56 kbit/s or 64 kbit/s channels into a synchronized wideband connection (TIA/EIA-619)
Current Status: Closed. TR-41.1 sent TIA the request form for the reaffirmation of TIA/EIA-619 in 8/2002. TIA mistakenly issued notice on 9/30/2002 to withdraw the standard. TR-41.1 Chair notified TIA on 11/15/2002 of the mistake and requested TIA to reaffirm TIA/EIA-619 as soon as possible.
Target Completion Date: 11/2002.
- **PN-3-3125-WD**, PBX & KTS support of E911 calling service (TIA/TSB-103)
Current Status: Closed. TR-41.1 sent TIA the request form for the withdrawal of TIA/TSB-103 in 8/2002. TIA issued notice on 9/30/2002 to withdraw TIA/TSB-103.
Target Completion Date: 11/2002.
- **PN-3-3671-WD**, Comparison of transmission requirements in ANSI/TIA/EIA-464-B / ETSI ES 300 439" (TIA-TSB81)
Current Status: Closed. TR-41.1 sent TIA the request form for the withdrawal of TSB-81 in 8/2002. TIA issued notice on 9/30/2002 to withdraw TSB-81. At the same time ETSI STQ agreed to work jointly with TIA TR-41.1 to create a new document to compare the transmission requirements in the new ANSI/TIA/EIA-464-C and ETSI ES 201 168 version 1.2.1.
Target Completion Date: 11/2002.
- **PN-3-3672-RF1**, Overall Transmission Plan Aspects for Telephony in a Private Network (TIA-TSB32-A-12/1998)
Current Status: Although no copy has been sold in North America since it was published, TR-41.1 still voted to reaffirm TSB32-A for the reason it is a joint TIA/ETSI document still referenced and used in Europe.

Target Completion Date: 2/2003.

- **PN-3-3673-RV3**, Requirements for Private Branch Exchange (PBX) Switching Equipment (Revision of TIA/EIA-464-B)

Current Status: Closed. TIA published the ANSI/TIA-464-C standard in 10/2002 and issued notice on 11/13/2002 to withdraw the ANSI/EIA/TIA-464-B standard.

Target Completion Date: 11/2002.

- **PN-3-3836-RV1**, PBX and KTS Support of Enhanced 911 Emergency Service Calling (Revision of TIA/EIA-689)

Current Status: The industry ballot of PN-3-3836-RV1 closed on 11/11/2002. Ballot status is not yet available from the TIA web site. TR-41.1 will review and resolve ballot comments in the 2/2003 meeting.

Target Completion Date: 11/2003.

Information: TR-41.1 would like to provide the Plenary with the following information.

- **TR-41.1 vice-chair election**

The election for vice-chair was conducted in accordance with the TIA Rules by Billie Zidek-Conner on 11/21/2002. Francois Pinier of Alcatel was the only nominee and was elected by acclamation.

Action Items: TR-41.1 has the following action items for Plenary concurrence or approval.

- **PN 3-3672-RF1 - Reaffirmation of TSB32-A**

TR-41.1 requested Plenary agreement to send TIA the request form for the reaffirmation of TIA/TSB-32-A – “Overall Transmission Plan Aspects for Telephony in a Private Network”. TR-41.1 also requested Plenary support to request TIA approval to post TSB32-A for free download in the TIA web site.

Plenary Action: Unanimously approved

Tailey made a motion to post TSB-32-A on the TIA website for free access. TR-41 Plenary agreed with one opposed. However, Steve Whitesell mentioned that the ultimate decision lies with TIA.

- **PN 3-3671-RV1 for a new joint TIA/ETSI TSB**

TR-41.1 unanimously agreed to request Plenary agreement to open a new PN 3-3671-RV1 project to create a joint TIA/ETSI document for the “Comparison of transmission requirements in ANSI/TIA/EIA-464-C / ETSI ES 201 168 version 1.2.1”. TR-41.1 also requested Plenary and TIA agreement to send a copy of the new ANSI/TIA-464-C to ETSI STQ for distribution to the joint-document working group.

Plenary Action: Unanimously approved

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

Subcommittee TR-41.3 met on Thursday afternoon, November 21, 2002. 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-3-4078-RV1**, Caller Identity and Visual Message Waiting Indicator Equipment Performance Requirements (Revision of TIA/EIA-777)

Current Status: Document was balloted with 2 no votes and comments resolved in the meeting. Document will be sent for a 45-day default ballot with 3 weeks after final editorial changes.

Target Completion Date: 2003-02

- PN-3-4350.110-RV3, Performance and Compatibility Requirements for Telephone Sets with Loop Signaling: Electroacoustics (Revision of TIA/EIA-470-B)
Current Status: Document going out for Industry Ballot within 3 weeks after final editorial changes.
Target Completion Date: 2003-05
- PN-3-4350.210-RV3, Performance and Compatibility Requirements for Telephone Sets with Loop Signaling: Resistance and Impedance (Revision of TIA/EIA-470-B)
Current Status: Document should be ready for an Industry Ballot after the 2003-02 meeting. Need to resolve Longitudinal Balance requirements.
Target Completion Date: 2003-08
- PN-3-4350.230-RV3, Performance and Compatibility Requirements for Telephone Sets with Loop Signaling: Alerting (Revision of TIA/EIA-470-B)
Current Status: Document going out for Industry Ballot within 3 weeks after final editorial changes.
Target Completion Date: 2003-05
- PN-3-4350.310-RV3, Performance and Compatibility Requirements for Telephone Sets with Loop Signaling: Cordless Telephone Range Measurement Procedure (Revision of TIA/EIA-470-B)
Current Status: Document going out for Industry Re-ballot within 3 weeks after final editorial changes.
Target Completion Date: 2003-08
- PN-3-4705, Transmission Requirements for Wideband Digital Wireline Telephones (To become TIA/EIA/IS-920)
Current Status: Committee ballot was completed and all issues resolved. Document ready for publication.
Target Completion Date: 2002-12

Information: TR-41.3 would like to provide the Plenary with the following information.

- Request feedback on TIA review of the new Contribution Template. It received significant negative feedback from subcommittee members. Concern was over the wording, “free and irrevocable license”, “the source” and “the company.”
- Inform that Working Group TR-41.3.3 (VoIP Acoustics) has completed the wideband standard and will now be inactive.
- Request information and advice on how to handle making a WG inactive including where to keep folders and documents, status of the WG website Scope, and re-using WG numbers. Note: Billie Zidek-Connor confirmed in the Plenary meeting that TIA does has the capability to use two digits on the working group numbering scheme.

Action Items: TR-41.3 has the following action items for Plenary concurrence or approval.

- Concurrence to send PN-3-4078-RV1, Caller Identity and Visual Message Waiting Indicator Equipment Performance Requirements (Revision of TIA/EIA-777) for Industry Default Ballot.
Plenary Action: Unanimously approved
- Concurrence to send PN-3-4705, Transmission Requirements for Wideband Digital Wireline Telephones (To become TIA/EIA/IS-920) out for publication.
Plenary Action: Unanimously approved

- Concurrence to send PN-3-4350.110-RV3, Performance and Compatibility Requirements for Telephone Sets with Loop Signaling: Electroacoustics (Revision of TIA/EIA-470-B) for Industry Ballot.

Plenary Action: Unanimously approved

- Concurrence to send PN-3-4350.230-RV3, Performance and Compatibility Requirements for Telephone Sets with Loop Signaling: Alerting (Revision of TIA/EIA-470-B) for Industry Ballot.

Plenary Action: Unanimously approved

- Concurrence to send PN-3-4350.310-RV3, Performance and Compatibility Requirements for Telephone Sets with Loop Signaling: Cordless Telephone Range Measurement Procedure (Revision of TIA/EIA-470-B) for Industry Re-Ballot.

Plenary Action: Unanimously approved

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

Subcommittee TR-41.4 met on Wednesday, November 20, 2002. Its 41.4.4 Working Group met on Tuesday.

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 work has been submitted. Query to several members indicates that there is still an interest in this item.
Target Completion Date: Nov. 2003
- PN-3-4462-URV, Performance and Interoperability Requirements for Voice-over-IP (VoIP) Telephone Terminals (Revision and Upgrade of TIA/EIA-IS-811)
Current Status: Revision updates on SIP were made this session. Call for additional updates on H.323 and Megaco also made.
Target Completion Date: Aug. 2003
- PN-3-4601, IP Telephony Gateways and Related Control Infrastructure
Current Status: No active work
Target Completion Date: None
- PN-3-4726, Location Identification and Callback Procedures for IP Terminals (To become TSB-146)
Current Status: Done, awaiting final edit before forwarding to TIA for publication.
Target Completion Date: Dec 2002
- PN-3-4726-RV1, Location Identification and Callback Procedures for IP Terminals (Revision of TSB-146)
Current Status: Work has begun.
Target Completion Date: Feb 2004.

Information: TR-41.4 would like to provide the Plenary with the following information.

- Joanne McMillen was elected Vice-Chair of TR-41.4
- Scope for TR-41.4 and 41.4.4 completed and appended to email.

Action Items: TR-41.4 has the following action items for Plenary concurrence or approval.

- TR-41.4 requests the concurrence of TR-41 to create a revision of TIA-912 to be called TIA-912-A.

Plenary Action: Unanimously approved

- TR-41.4 requests the concurrence of TR-41 to send the liaison letter (TR41.4-02-11-049) to ATIS and NRIC concerning the issue of possible impairment of TTY/TDD tones when transmitted over a VoIP network.

Steve modified Bob Bell's motion and recommended the letter be run by Fred Lucas, chair of TR-30, to make him aware of the letter and give him an opportunity to respond. TR-30 has work going on relative to the use of TTY with VoIP.

Plenary Action: Unanimously approved

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

Subcommittee TR-41.7 met on Thursday afternoon, November 21, 2002. The TR-41.7.1 Working Group met on Thursday morning and part of Thursday afternoon preceding the TR-41.7 meeting.

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

- PN-3-3210-RV1, Radio Frequency Immunity Requirements for Equipment Having an Acoustic Output (To be published as TIA-631-A)

Current Status: Document submitted for publication

Target Completion Date: January 2003

- PN-3-3283-RV2, Environmental Considerations (Revision of TIA/EIA-571-A)

Current Status: Draft 0 developed. Request for WG to be formed.

Target Completion Date: May 2005

- PN-3-4351, Commercial Building Grounding and Bonding Requirements for Telecommunications (Revision of EIA/TIA-607 to become joint T1 and TIA/EIA-J-STD-607-A)

Current Status: Document Published;

Target Completion Date: Completed

Information: TR-41.7 would like to provide the Plenary with the following information.

- WG TR-41.7.3 was made inactive since their work has been completed.
- Formed an Ad-Hoc group to work on the development of safety requirements for Telecom Circuit Over-Current Protectors. The intent is to develop a draft document that will be submitted to UL. TR-41.7 has agreed in principle to form a new WG at the February 2003 meeting. Work will be done jointly with T1E1.7.
- TR-41.7 is still seeking nominations for Vice Chair. If nominations are received, a vote will be held at the February meeting.

Action Items: TR-41.7 has the following action items for Plenary concurrence or approval.

- TR-41.7 requests concurrence to form a new Working Group, TR-41.7.4 "Environmental Considerations for User Premises Equipment". This WG will work on revising and updating TIA 571 (Project PN-3-3283-RV2 is already open). Don McKinnon, AST Technology Labs, will serve as interim chair.

Plenary Action: Unanimously approved

- TR-41.7 is requesting concurrence to send a letter to UL outlining our intent to develop draft requirements for over-current protectors for telecom circuits, requesting participation in the work and asking for a commitment to use the draft to develop a new UL safety standard for these devices.

Plenary Action: Unanimously approved

e. TR-41.9 – Terminal Attachment Programs – Philip Havens

Subcommittee TR-41.9 met on Wednesday, November 20, 2002. The TR-41.9.1 and TR-41.9.2 Working Groups met on Monday. Also had a joint meeting with T1E1.4 on Thursday.

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

- PN-3-0016-URV, Technical Criteria for Terminal Equipment to Prevent Harm to the Telephone Network (Revision and Upgrade to ANS status for TIA/EIA/IS-968)

Current Status: ACTA has published this document.

Target Completion Date: Sept 12, 2002

- PN-3-3602-RV3, Rationale and Measurement Guidelines for TIA-968 (Revision of TSB-31-B)

Current Status: on-going

Target Completion Date: Nov 2003

- PN-3-4124, Responses to Part 68 Questions from the FCC (On-going effort)

Current Status:

Target Completion Date:

Information: TR-41.9 would like to provide the Plenary with the following information.

None

Action Items: TR-41.9 has the following action items for Plenary concurrence or approval.

TR-41.9 requests concurrence to send a response letter to Ralph Meyer (second response) to address his comments regarding a grandfather clause in 968.

Plenary Action: Unanimously approved

f. TR-41.11 – Administrative Regulatory Considerations – Greg Slingerland

Subcommittee TR-41.11 met on Tuesday, November 19, 2002.

Project Status: The following is a summary of the status of each Project assigned to TR-41.11.

- PN-3-0014-RV1, Labeling Requirements (Revision of TSB-168)

Current Status: First draft from task group reviewed, only a couple of issues outstanding.

Target Completion Date: Vote to ballot Feb 2003, Publish May 2003.

- PN-3-0017-RV2, Guide to the U.S. Supplier's Declaration of Conformity and TCB Approval Processes (Revision of TSB-129-A to become TSB-129-B)

Current Status: not yet started by task group, they must work with similar ACTA task group

Target Completion Date: Vote to ballot Aug 2003, Publish, Nov 2003

Information: TR-41.11 has no information to provide the Plenary.

Action Items: TR-41.11 has no action items for Plenary concurrence or approval.

4. Liaison Reports

a. T1A1

T1A1.3 acknowledged the TR-41 liaison letter only by the chair referring to it as the only comment in his company's letter ballot response. The group agreed to change and revise the DEO loss plan standard T1.508 instead of reaffirming it per the letter ballot. Roger Britt volunteered to be

editor. He demonstrated the TIA-912 loss plan format to T1A1.3 and they agreed to use it for the T1.508 revision.

b. T1E1.3

Contribution TR41-02-11-018 is a liaison letter concerning ringer impedance signatures that Chair Steve Whitesell decided to send on his own authority to T1E1. As expected, the letter was given to T1E1.3 for response and Steve made a presentation on it during their meeting. He learned the 60 V, 24 Hz test signal identified in T1.401 as possibly being used during ringer signature testing is only applied during service installation or when testing a line because of a trouble complaint. It is not applied as a part of routine maintenance procedures. Additional information on the A-lit test is included in T1.401-2000 and should be taken into account for ringer "non-response" evaluation. T1E1.3 will attempt to get further information to answer additional questions raised in the liaison letter.

c. TR-41.9/T1E1.4 Joint Meeting

The presentation provided by Greg Slingerland is available as Contribution TR41-02-11-020. Significant discussion centered on joint T1/TIA standards documents and the reasoning for getting joint input/concurrence. After the lively discussion, the Plenary voted to go forward with the proposal for two joint documents, each with multiple parts as presented by Greg. One will contain "harms to the network" criteria (the number J-STD-068 has been reserved) and will be divided into several parts, with the SDO have the expertise for a particular part taking the lead for it. The other document will be deal with measurement methods and will have a parallel structure.

5. Old Business

A proposed new scope for TR-41 scope was developed and presented by Steve Whitesell as Contribution TR41-02-11-019. After review, Steve agreed to make some changes and present it at the next meeting in February. All subcommittee scopes should now be updated or in progress.

6. New Business

James Bress asked if it's possible for TIA to release to TIA members the number of documents sold and the annual revenue generated. Billie Zidek-Connor said she would take the request back to TIA and provide a response at the next meeting.

Harry Van Zandt asked Billie Zidek-Conner if a list of the TIA member legal departments that contributed to the new IPR statement for contributions could be distributed. Subsequent to the meeting, the comprehensive list was made available.

Contribution TR41-02-11-021 was brought to the committee by Joachim Pomy and Francois Pinier regarding 802.11 WLANs (Wireless LANs). It was decided within the Plenary that, since it is CPE, the work seems appropriate to undertake and should be brought it into TR-41.4. Steve will bring the proposal before TIA to make sure it's agreeable that it does belong in TR-41. Steve will put the contribution number on it and place it on the website for review.

7. Meeting Schedules

a. Next Meeting

The next meeting will be held the week of February 17-23, 2003 and will be co-located with T1E1. 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:

The Sutton Place
4500 MacArthur Blvd.
Newport Beach, CA 92660
Phone: 949/476-2001
Fax: 949/250-7191
Room Rate: \$115.00
Cut off date: January 17, 2003

b. Future Meetings

The schedule for future TR-41 meetings is given below. Alternate meetings through the end of 2003 will be co-located with T1E1.

May 5-9, 2003	FL or Midwest to West
August 11-15, 2003	Somewhere in Canada
November 10-14, 2003	TBD

8. Adjournment

Being no further business, the meeting was adjourned at 10:30 am. 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 Newport Beach

MONDAY 0800 – 1200 17 Feb 2003	TR-41.3.9 (Van Zandt – 20)		TR-41.9.2 (Slingerland – 20)	
MONDAY 1300 – 1800 17 Feb 2003	TR-41.3.9 (Van Zandt – 20)		TR-41.9.1 (Havens – 20)	
MONDAY 1900 – 2200 17 Feb 2003	TR-41 Leadership 1800 – 1930 (Whitesell – 20)			
TUESDAY 0800 – 1200 18 Feb 2003	TR-41.3.5 (McKinnon – 20)	TR-41.4.4 (Baker – 20)	TR-41.11 (Slingerland – 25)	
TUESDAY 1300 – 1800 18 Feb 2003	TR-41.3.5 (McKinnon – 20)	TR-41.4.4 (Baker – 20)	TR-41.11 (Slingerland – 25)	
TUESDAY 1900 – 2200 18 Feb 2003				
WEDNESDAY 0800 – 1200 19 Feb 2003	TR-41.3.6 (McKinnon – 20)	TR-41.4 (Bell – 20)	TR-41.9 (Havens – 25)	
WEDNESDAY 1300 – 1800 19 Feb 2003	TR-41.3.7 (McKinnon – 20)	TR-41.4 (Bell – 20)	TR-41.9 (Havens – 25)	TR-41.7 Ad Hoc/ T1E1.7 (Lindquist/Pool – 15)
WEDNESDAY 1900 – 2200 19 Feb 2003				
THURSDAY 0800 – 1200 20 Feb 2003	TR-41.3.1 (Bleile – 20)	TR-41.7.1 (Ivans – 20)	TR-41.1 (Tung – 20)	TR-41.9/T1E1.4 (Havens / Sorbara – 40)
THURSDAY 1300 – 1800 20 Feb 2003	TR-41.3 (Bress – 20)	TR-41.7.1 (Ivans – 20) Followed by TR-41.7 (Ivans – 15)	TR-41.1 (Tung – 20)	
THURSDAY 1900 – 2200 20 Feb 2003				
FRIDAY 0800 – 1200 21 Feb 2003	TR-41 Plenary (0800 – 1000) (Whitesell – 20)			

Appendix B
Document List

TR41-02-11-001-R3		TR-41 Document List for 2002 (Rev 3)
TR41-02-08-016	Secretary	Report for August 23, 2002 Meeting in Westminster (Denver)
TR41-02-08-017	Chair	Agenda for November 22, 2002 Meeting in Atlanta
TR41-02-08-018	Chair	Liaison Letter to T1E1 on Ringer Impedance Signatures
TR41-02-08-019	Chair	Proposal for Revised TR-41 Scope
TR41-02-08-020	Slingerland	Part 68 J-STD Proposal (Subset of Complete Presentation)
TR41-02-08-021	Alcatel/ Tenovis GmbH	Proposal for Work Project on VoIP over WLAN Technology