<u>Approved by General Counsel</u>

TR-41 Meeting Report
Date: 11/11/99
Location: Sparks Reno, NV

Approved: 12/13/99
T# 4506

**Telecommunications Industries Association
Standards and Technology Department**

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

Chair: Charles Berestecky   November 11, 1999
Vice-Chairman: Vacant   John Ascuaga's Nugget Hotel
Secretary: Anh Wride   Sparks (Reno), Nevada

1. Call to Order (Opening Remarks; Objectives)

1a. TR-41 Chair Remarks

 The Chair noted that Anh Wride of CCL is not available and that Luis Gittens, TIA staff would act as secretary for this meeting. The Engineering Committee is plannning to have the new engineering manual available in March, 2000. TR 41.6 has completed its work and its operation will be suspended. The document list will be developed during the course of the meeting and will be included in Item 10.

1b. TIA Staff Remarks

   None.

2. Roll Call and Introductions; Call Quorum— Berestecky

The attendees introduced themselves and an attendance roster was distributed for participants to sign. Roll call was taken and a quorum declared with 11 voting member companies present.

Voting Member Companies Present

Chair- Chuck Berestecky
Alcatel – Lou Eberl   SBC – John Roquet
CISCO – John Combs   Siemens – Tailey Tung
GTE – Harry Van Zandt   Telcordia – John Balinski
Lucent – Tony Caggiano   Thomson – Clint Pinkham
Mitel – Greg Slingerland   UL – Randy Ivans
Nortel – Pierre Adornato

Voting Member Companies Absent

CCL
Ericsson
NEC

3. Review Agenda and Approval— Berestecky

The agenda (TR41/99-11-041) was approved with the following changes:

The subcommittee reports in Items 6e and 6h would be given by Berestecky and the subcommittee report in Item 6g would be given by Mar.

Item 8 was expanded to include information regarding when meeting reports and agendas need to be sent to TIA and to update STAR report input. Item 10 will be document list for the meeting and Item 11 will be adjournment.

4. Intellectual Property Rights (Early Disclosures Policy) – Berestecky

The chair asked the question as to whether anyone present had knowledge of any patents, the use of which might be essential to a standard being considered. There were no comments from the committee.

5. Previous Meeting Report

The meeting report was amended to correct Item 1b to indicate that the TIA leadership training would be in Arlington on September 16 and 17 and in Chicago on November 3 and 4 and to correct Item 10b to show the August, 2000 meeting to be from the 14 to 18 rather than 21 to 25.

6. Subcommittee Reports and Actions Items

6a. TR-41.1 – Tung

1. <u>TIA-464B-1996 Requirements Update (PN-3673)</u>

The updating of ANSI/TIA/EIA 464B to 464C standard continued in good progress.

2. <u>Reaffirmation / Rescind of TIA-EIA-594</u>

TR41.1 forwarded the PINS Form to TIA to rescind TIA-594 and to request ANSI to adopt ISO 11753d as the national standard for Private Digital Network Synchronization. TIA instead of rescinding the document, announced reaffirmation of the TIA-EIA-594 standard for Private Digital Network Synchronization on September 30, 1999.

Tailey Tung made a motion to request TIA to review the PINS Form and make the necessary changes to rescind TIA-594 and to request ANSI to adopt ISO 11753d as the national standard for Private Digital Network Synchronization..

3. <u>TR41.1.2 Project Direction</u>

TR41.1.2 changed the direction of the project from just analyzing a number of arbitrary IP scenarios with the E-model, to focusing on the issues and recommendations related to voice quality. The E-model is still used to illustrate voice quality performance, but the focus is on issues like delay, packet loss and low bit-rate codecs, etc., and the types of things that can be done to optimize voice quality performance.

4. <u>PN Number 4689 for TR41.1.2 TSB</u>

Tailey Tung made a motion to approve the Project Request and Authorization Form for TR41.1.2 to request a PN number for the "Voice quality recommendations for IP telephony" TSB.   A Project Request and Authorization Form was submitted before the meeting and PN number 4689 was assigned to the project. The request was unanimously approved.

6b. TR-41.2 – Adornato

The Sub-committee met for half a day on November 10, and reviewed the status of activities relating to the EU-US, EU-CANADA, APEC and CITEL Mutual Recognition Agreements.

The progress of the implementation of the Radio and Telecom Terminal Equipment (RTTE) directive was also discussed.

FCC progress on the implementation of Telecom Certifications Body (TCB's) was presented. In addition, the status of implementation of TL 2000 acceptance program was reviewed. In addition, the FCC Notice of Proposed Rulemaking on Part 68 Streamlining issues was mentioned as an item that industry is waiting for the FCC to act on and expect action by end of the year.

6c. TR-41.3 – Whitesell

The Type 2 Caller ID standard has been forwarded to the TIA Secretariat for publication as TIA/EIA 777. TR-41.3.1 has begun work on PN-4603 to add enhancements to the Type 1 and Type 2 Caller ID standards and to merge them into one document.

Working through TR-41.9, a letter was prepared and sent from TIA to the FCC clarifying our interpretation of one of the conditions for granting a waiver for Stutter Dial Tone devices. With this interpretation, TR-41.3.2 is proceeding with its work on a Message Waiting Indicator standard that will accommodate both Stutter Dial Tone and FSK signaling as methods of notifying CPE when messages are waiting. The standard is expected to be ready for committee ballot following the February meeting.

The committee ballot on PN-4352, *Transmission Requirements for Narrowband Voice over IP and Voice over PCM Digital Wireline Telephones*, closed on November 5, 1999. There were 5 affirmative votes, 2 affirmative votes with comments, and 1 negative vote. The negative vote was changed to affirmative with comments during the TR-41.3.3 meeting. Some editorial, but no technical, changes were made to the document as a result of the comments received. TR-41.3 unanimously approved the document to go forward for publication as a TIA Interim Standard.

ACTION ITEM: TR-41.3 requests concurrence from TR-41 in sending PN-4352 to the TIA Secretariat for publication as TIA/EIA-IS-810. [TR-41/99-11-044]. This request was unanimously approved.

The working group has also started work on PN-4705 to develop a similar standard for wideband (up to 7000 Hz) terminals.

TR-41.3.4 currently has PN-4462, *Performance and Interoperability Requirements for Voice-over-IP Telephones*, out for committee ballot to approve it as a TIA Interim Standard. Since some people who should have received notice of the ballot did not, a second notice is being sent out. No change will be made in the November 29, 1999 closing date. Because of the rapidly evolving VoIP industry with almost daily changes to protocols and requirements, it is necessary to begin revision of PN-4462 even as the ballot closes on the current version. The expected date for completing the revision is February 2001.

ACTION ITEM: TR-41.3 requests approval to initiate a new project to revise PN-4462 (to be published as TIA/EIA-IS-811). [TR-41/99-11-045]. This request was unanimously approved.

41.3.5 had a very successful meeting with 20 contributions received, 16 of them directly related to the revision of TIA/EIA-470-B. Because of the large number of changes and additions being made in this revision and its rather slow initial progress, the expected completion date has been extended 6 months with committee ballot in November of 2000 and publication in May of 2001. An ad hoc group within TR-41.3.5 is attempting to establish range criteria for cordless telephones. They plan to hold an interim meeting on this subject in Melbourne, FL on January 20-21, 2000.

TR-41.3 wishes to keep TR-32 apprised of this work and would like to request any expert advice they can offer. A liaison letter has been prepared for transmittal to TR-32.

ACTION ITEM: TR-41.3 requests TR-41 send a liaison letter to TR-32 in this regard. [TR-41/99-11-046]. This request was unanimously approved.

In view of the rapidly evolving nature of VoIP telephony and the fact that it is Internet based, virtually everyone involved in VoIP related standards activities makes their standards available free of charge for downloading via the Internet. TIA will soon be publishing the first VoIP standards produced by TR-41 (TIA/EIA-IS-810 and TIA/EIA-IS-811). TR-41.3 would like to establish the precedence of having those documents made available for free downloading.

ACTION ITEM: TR-41.3 requests TR-41 assistance in obtaining agreement from the appropriate people within TIA to make TIA's VoIP standards available for downloading free of charge via the Internet. This request was approved and the TR 41 chair asked that a letter to Dan Bart be prepared for his signature regarding this request.

6d. TR-41.4 – Bell

There were at least 20 persons present at the meeting of TR-41.4. The primary goal of this meeting was to create a least one project to begin our work and to submit the necessary documentation to initiate the project. Accordingly TR41.4 have created a PN for a TSB covering the "Identification and Callback Address Procedures for IP Terminals". It is intended that this project initially be used to document the environments of interest, examine the architectures and alternatives solutions and to then draft a Standard for determining the location and callback address of IP devices which can initiate an IP call.

In addition, TR41.4 have issued the PN requests, to have PN-3280, PN-3281, PN-3282 withdrawn. These PNs were left over from the previous incarnation of TR-41.4. The TR 41 chair indicated that new PNs are not needed to rescind or withdraw old PNs and further he thought these had already been withdrawn. The chair indicated he would discuss this matter with TIA and be sure they have been formally withdrawn.

TR41.4 also selected a permanent secretary for the sub-committee, Peter Baker of Circa Communications.

At the last meeting of the TR-41.4 group, TR41.4 developed both a charter and mission statement. This statement has been assigned the document number TR 41/99-11-48.

The chair requested approval of the charter and scope. The request was unanimously approved with the proviso that the SOHO and VoIP acronyms be defined.

TR41.4 had a presentation from Christine Cordonnier, Convenor ECMA TC32-TG17, about "IP-related standardization activities in ECMA TC32 October/November 1999. She described the work going on in TC32 and in particular TG17. There is a level of overlap between the two groups and it was deemed appropriate to cooperate between the two groups to try to avoid unnecessary overlap. This informal liaison is to be accomplished initially through the services of Mahesh Shah of Lucent. A more formal relationship may need to be established later.

TR41.4 discussed the ramifications of a work progress within TR45 to enable the wireless domain to become compliant with CALEA. Further effort is necessary to see that the provisions of that effort were applicable can apply to the scope of this committee but not if they are not applicable.

Finally, TR41.4 decided that a press release specific to the new project would be very useful in bringing in expertise to help complete the project. I was directed to see that this was completed.

6e. TR-41.5 – Berestecky

There is no report since this subcommittee did not meet this week.

6f. TR 41.7 – Ivans

The chair requested permission to have TR 41 send a letter to the Bi-National Working Group (BNWG) requesting further change in CSA 22.2 No. 60950 /UL 60950 dealing with backward compatibility described in the previous correspondence. The request was approved unanimously and the TR 41.7 chair will prepare a letter (TR 41/99-11-49) for TR 41 to send to the BNWG.

TR41.7 believes that standard TIA/EIA-631 on RF immunity needs revised. However the expertise for such a task is not currently available at this time in the TR 41.7 subcommittee. The TR 41.7 chair recommends TIA publicize the need for those knowledgeable in RF immunity to join TR 41.7 in revising this standard. The TR 41 chair has requested that TR 41 prepare a draft notice that can be used to make the need for the participation of RF specialists in TR 41.7 known and to invite their participation.

6g. TR-41.9 – Mar

A working group has been set up to work on the ADSL requirements (As an initial step) with the objective for FCC P68 consideration.

TR 41.9 has reached consensus on the tentative format, schedule and topics of the seminar to be held in May, 2000.

6h TR-41.10 – Berestecky

There is no report since this subcommittee did not meet this week.

6i TR-41.11 – Slingerland

TR41.11 completed work on assisting the FCC to rewrite and update its Part 68 Application Guide. Since the FCC has decided to not take ownership of it, the Guide has been posted to the TIA's Web site and is located on the TR41 committee page for free download.

The subcommittee has also been working on three issues relating to the implementation of Telecommunication Certification Bodies or TCB's which came from the FCC. Two of the task groups have completed preparing submissions to a point acceptable to the FCC. The third group will likely have its task completed by the next meeting in Feb.

At this meeting TR41.11 also generated and approved a scope for its activities. There has been no scope for this committee since its inception in Feb of this year. This scope (TR 41/99-11-50) is submitted for approval by this Plenary. Once approved TR41.11 requests that it be added to the TIA Scope Manual for Engineering Committees. The scope was approved unanimously by TR 41.

The scope statement has been assigned document number TR 41/99-11-50.

7. Liaison Reports (if affecting more than one Subcommittee)

7a. TAPAC

TAPAC and its task forces last met October 13-14, 1999 in Ottawa. The proposed draft on xDSL requirements was approved and will be included in CS-03 as Part XIII after the translation is completed. It will be published with a Gazette Notice later this month.

Industry Canada will start to establish a MRAs Issues Discussion Group. This group will include wireline and wireless telecommunications carriers and equipment manufacturers, Conformity Assessment Bodies, consumer representatives and importers. Topics to be discussed will include: new radio and telecommunications rules, information on foreign requirements, importation monitoring information, etc. This group will also provide a focal point to handle inquiries about the MRAs. An initial meeting will occur in late 1999 or early 2000.

On October 8, 1999, IC published TAPAC Bulletin 99-03, a reminder that the receive volume control requirements for telephone terminal equipment will become effective January 1, 2000. This bulletin is available on the Internet at the address: http://tsacc.ic.gc.ca/TAPAC under the heading, "Terminal-to-Network Notices."

The next meeting of TAPAC and its task forces will be on February 16-17, 2000 in Ottawa.

8. Old/New Business

Chuck announced that meeting report must be submitted to TIA two weeks after the meeting and the agenda must be submitted to TIA four weeks before the next meeting. Chuck provided an update on the 1999 STAR report.

9. Meeting Schedules

The chair presented the new schedule for the next meeting in Maui in February 2000. The chair asked all subcommittee chairs to let TIA know if they require anything more than a flip chart and overhead projector. It was requested that TIA be notified if these items are not needed. The chair also indicated that TR41 meetings will be collocated with T1E1 in February, August and November, 2000 and with TR 42 in May and August, 2000.

9a Next Meeting – Berestecky

February 21-25, 2000
Maui Marriot Resort
100 Nohea Hai Drive
Lahaina, Maui, Hawaii 96761
Phone: 808-667-1200
Fax: 808-667-8181

Room Rate: $135.00 s/d
Cut-off date: January 15, 2000

9b. Future Meetings – Berestecky

- May 15 – 19, 2000
  Sheraton Premiere at Tyson's Corner
  8661 Leesburg Pike

Vienna, VA 22182
Phone: 703-448-1234
Fax: 703-839-8193

Room Rate: $149.00 s/d
Cut-off date: April 20, 2000

- August 14 –18, 2000
- Vancouver, British Columbia, CANADA
-
- November 13 – 17
- TBD

10. New Document Assignments

TR 41/99-11-41…Reno Meeting Agenda
TR 41/99-11-42…Reno Meeting Report
TR 41/99-11-43…PN request -Voice Quality Recommendations for IP Telephony
TR 41/99-11-44…Publication request-PN 4353 (TIA/EIA-IS-810)
TR 41/99-11-45…PN request-VoIP Telephone Performance Enhancements
TR 41/99-11-46... Letter TR41 to TR32 (TR 41.3 request)
TR 41/99-11-47…PN request-Location ID and Callback Procedures IP Terminals
TR 41/99-11-48…Scope TR 41.4
TR 41/99-11-49…Letter TR41 to BNWG-Request for further changes for remote power creepages and clearances
TR 41/99-11 50…Scope TR 41.11

11. Adjournment

This meeting was conducted in accordance with TIA Legal Guidelines and Manual Organization and Procedures.

Charles Berestecky   *Anh T. Wride*

Charles Berestecky   Anh Wride
Chair TR 41   Secretary TR 41