ADMINISTRATIVE COUNCIL FOR TERMINAL ATTACHMENTS (ACTA)

MEETING DATE: 4th – 7th February, 2008

TITLE: TIA TR41 (Predominantly SDO TR41.9) Liaison Report

SOURCE: John Bipes

PURPOSE: Informative / Liaison Action

DISTRIBUTION TO:

ABSTRACT

Report to the ACTA 6th March Meeting from SDO TIA TR41 – partial week of 4th February, 2008, New Orleans, Louisiana

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NOTICE

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TR41.9.1 – Day 1 and later Day 2:

1) Continued the technical review of Draft Revision 7.0, TR41.9.1-08-02-002, PN-3-0016-RV2, "Telecommunications Telephone Terminal Equipment Technical Requirements for Connection of Terminal Equipment to the Telephone Network DRAFT (*to become TIA-968-B*)."

Lots of editorial and remnant technical work on annotations, schematic drawings, and definitions, etc. Target date for balloting, has slipped to a 50% chance by

August, '08 (80% chance of balloting by November, '08), with hopeful publication by year's end 2008. Projected adoption by the ACTA in 1st quarter 2009. Upshot: We're two TR41 quarterly meetings behind with this effort.

Discussions of the scope of TR41.9.1 and its projects.

Discussions on Component Approvals – *"Components" being subject to a subset of the body of ACTA Adopted Technical Criteria* requirements (Component Approvals and issue subsequent to TIA-129-A w. it's 'musts' and 'shalls') – and how to integrate Components into TIA-968-B.

TR41.9 – Day 2:

2) Chair Phil Havens encouraged a discussion in TR41.9 re. the committee's viability at which point Matt Mulvihill, Industry Canada, and I introduced our desire to get the ANSI checklist completed – soon!

3) Chair Phil Havens reviewed recent FCC actions…particularly w.r.t. the Telecom Act of 1996 and elimination of no longer necessary telecom regulations.

4) The ACTA Report to Ottawa was given – again to a rapturous reception by SDO TR41.9. The ACTA's re-organization as expressed by the newly revised OP&P was described. I reviewed the names of the people on the ACTA, the filled/and vacant seats, and together with the addendum comments of the ACTA's Roger Hunt we particularly appealed to manufacturers "MS" segment

5) INDUSTRY CANADA report was given by Christina Gallagher: Christina gave a thumbnail sketch of TAPAC and other Industry Canada events.

6) TCB Activities. No report was available. TCBC winter meetings will be held in San Diego (19th-21st February, '08) according to Scott Roleson. NOTE: It's important that the ACTA/FCC Pt.68 IP phone applicability be conveyed to the TCBC's San Diego meeting! Roger Hunt is writing a liaison letter to the TCBC's Chris Harvey – San Diego.

7) Discussed the old request of TR41.9 to the ACTA for a link on the ACTA's website – a link to the Test Matrix in TSB31C. Balloting happened on 7th November, '07 and after three (3) efforts to obtain balloting responses, TSB-31C was published this week, on Monday, 4th February, '08. It's available from TIA through GLOBAL DOCUMENTS (approx. price $340).

6) TIA/TSB-168-B Labeling Requirements update: Ballot comments are resolved and the document will be coming to the ACTA. The file is being sent by Roger

7) Balloting on TIA-1096-A has been completed. Stephanie will be providing a status update.

8) TSB-129-A. Trone Bishop gave a review of customer instruction requirements – the basis of the ACTA document. Also component approvals; too many 'shalls' and 'musts'. (Ref., Trone's contribution.) Trone recommends that parts of this be incorporated into TIA-968-B and possibly also into some ACTA documentation. Scott Roleson emphasized that whatever is done with TSB-129-A, it should be structured to *assist the NEW engineer seeking approvals*.

9) Discussed having representative of international bodies come and speak to SDO TIA TR41. (ex., Ed Mikoski, Steve Bipes)

10) Into the TR41.9 agenda, we discussed TR41.9's future projects, TR41.7 / TR41.9 shared projects.

11) Discussed the possibility of a TIA-based newsletter to be distributed via the TIA's exploder list – to generate interest in TR41's activities.

12) Discussions happened on a TIA dictionary / acronym index being published.

13) Discussed TIA-968-B issues…beginning with the 300V. vs.120V. rms for protective circuits (classic old RPDs which FCC years ago quit registering as they could not be relied upon to provide complete protection under Pt.68 and there were many field abuses of their application) vs. normal TE interfaces, respectively.

14) Further to ANSI's "TCB Evaluation Form", ANSI-ACP-FR-026: The ad hoc group formed by TR41.9 nearly a year ago – in May 2007 – to work with the document (Matt Mulvihill, IC WG-leader, Scott Roleson, Roger Hunt, Trone Bishop, Randy Ivans and John Bipes) was to reinvigorated make a contribution at the May meeting in Portland – a contribution detailing technical updates to TR41.9. Matt sent an e-mail to the WG and convened the first teleconference of the WG on Monday, 3rd March. Phil Havens expressed a desire to help facilitate the teleconference, if necessary, and his desire to be an observer to the WG (was not in the 3rd March teleconference). If the WG gets in over its head – ex. In having to recommend sub-scopes of TCB capability with ANSI's Scope C – TR41.9 will, in May, assist. Phil Havens is inviting TCBs to be present at the May meeting as they'll likely be impacted by the WG's efforts.

15) Further to the earlier issue: VoIP phone certification (TR41.9-07-08-010). "The product has an RJ45 Ethernet interface and is supplied via 'Power over LAN' (802.3af). There is no direct connection to the PSTN. Is it required to have

the product listed in the ACTA database? Is it required that those devices are HAC compliant?" Trone first asked TR41.9's discussion before prejudicing the group on the ACTA's response already completed. Upshot: HAC requirements are required. The equipment may be listed on the ACTA database as ancillary equipment.

TR41.9 was asked by Industry Canada's Effrain Guevara whether or not IP phones are required to be hearing aid compatible FCC Pt.68? FCC's Report and Order 07-110 (para. 16-20) on the implementation of Section 255 to interconnected VoIP services and equipment was shared by TR41 Chair Steve Whitesell. VoIP phones which have a gateway to the PSTN (a PSTN interconnected) must be Pt.68 handicap accessibility compliant. It was noted that IP phones which do not make direct connection to the PSTN are not applicable but those which do make PSTN connection are ACTA/FCC Pt.68 applicable. NOTE: The ACTA to review/discuss at the 6th March, '08 meeting of the ACTA. (See also Item 6, above.)

16) Target date for completion of TIA-968-B (SP-3-0016-RV3) still stands as May, 2008.

17) TCB surveillance sampling changes by FCC was discussed.

18) Next meeting of SDO TR41.9, 6th May, 2008, Portland, Oregon – Embassy Suites.

TR41.7.5 – Day 3:

19) UL Std.2564, "OUTLINE of INVESTIGATION for LOW-VOLTAGE SURGE WITHSTAND TELECOMMUNICATIONS OVERCURRENT PROTECTOR COMPONENTS", Issue No.1, December 25, 2007 – the I-Limiting components positioned within TE or between TE and the demarc. point of connection to the PSTN. This document is nearly complete.

Next meeting dates are the week of 6th May, 2008; Portland, Oregon.

TR41.7.1 – Day 4 AM:

20) Continued our review of work with committee TR41.7.1 – *Harmonization of International Safety Standards*:

21) Chair Ivans reviewed the CDV Draft of IEC 62368. IEC 62368 CDV (Committee Draft for Voting) was submitted for CENELEC//Voting. Comments are due in April, 2008, Once the votes are in there will begin work on a

Canadian/US bi-national version of 62368. A technical harmonization committee will be going through 62368 to contrast and compare this new standard w.r.t. existing national standards in Canada and the USA.

22) Following is a description Randy Ivans gave (created by Rich Pescatore) of the chronological stepped phases of IEC standard development from proposal through publication:

      1 - Proposal   (NP – New Proposal)

      2 - Preparatory   (CD – Committee Draft) – principal stage of national committee comments

      3 - Committee   (DC)

      4 - Enquiry   (CDV – Committee Draft for Voting) – technical changes stop at this point

      5 - Approval   (FDIS – Final Draft Int'l. Std.) – only editorial changes allowed beyond this point

      6 - Publication   (IS – Int'l. Std.)

Whatever results from these IEC / USTAG will appear in a new international safety standard which will replace IEC 60950 and -950 variants at CSA and UL in north America.

23) Phil Havens will be representing the TIA at USTAG and reporting back to SDO TR41.

24) Reviewed Std.497 w.r.t. antenna feedlines.

25) Reviewed Acoustic Limitations in UL60950-1 – Acoustic coupler and Acoustic measurement point inequities, and updated the document to take into account HRTF (Head Related Transfer Function data), etc

   NOTE: Secondary protectors:
      497A originally designed to protect telephone premises wiring for
         excessive *current.*
      497B is excessive *voltage* limiting.

26) Acoustic requirements…discussed IEC 62368; IEC document 108/244/CD.

27) Continued discussions re. IEEE 802.3ah…EFM (Ethernet 1st Mile) and floating metallic cabling – POE (Power Over Ethernet) considerations. Some Ethernet geographic migrations towards environments with outside plant hostilities – i.e., 'outside plant' are happening inside the building. Intra-building has not heretofore been considered as a safety issue. With this geographic migration, are there emerging safety considerations?

28) TR41.7.1 meets again in May (8th?) in Portland, Oregon.

TR41.3 – Day 4 PM:

29) Discussed Amar Ray's – EMBARQ (formerly SPRINT) – Kansas City – *"Proposed Index for Residential Gateway, analog and VoIP Port Requirements"* contribution. Embarq proposes that TIA-TR41.3 open a new project to write a standard for the measurement methods and performance requirements for Residential Gateways including end user interfaces (for ex., the analog [FXS] and VoIP interfaces) and customer-to-net. NOTE: The ACTA must be aware of the evolution of such complex network ports for next-generation TE connection to the PSTN.

NOTE: This addresses a device similar to a TIA-1063 PSTN Simulator – Analog Port Terminal Adaptor – but *one which also provides an RJ45 VoIP jack.* Amar's attempts are to index the simulations required for DSL / Fiber / …whatever tests would be required to derive an enhanced TIA-1063-type standard.

TR41 Plenary – Day 5 AM: NOTE: The ACTA SDO Representative is (temporarily?) NOT attending the TR41 Plenary these days – trying to reduce expenses:

30) Next Meeting of TR41: Week of 5th May, 2008, Portland, Oregon.

MAY 2008						
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