



**TELECOMMUNICATIONS
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Approved by General Counsel

TR-41 Meeting Report

Date: 11/9-13/09

Location: LasVegas, NV

Approved: 01/29/10

**Telecommunications Industry Association
Standards and Technology Department**

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

Meeting Report

**Chair: Stephen R. Whitesell
Vice-Chair: Al Baum
Secretary: Phillip Havens**

**Date: November 9 & 13, 2009
Venue: Embassy Suites
City: Las Vegas, NV**

1. Call to Order and Opening Business

a. Call to Order and Introductions

Chair Steve Whitesell called the special Opening Plenary meeting to order at 6:05 pm on Monday, November 9, 2009. The attendees introduced themselves.

b. Roll Call and Quorum

Roll call was taken and a quorum was declared with 8 of 8 voting member companies represented for the opening session. Note was taken that Embarq has now become CenturyLink, with quorum membership continuing. Since the meeting was to be recessed, not adjourned, between the Monday evening and Friday morning sessions, the Chair indicated that both sessions would be considered as part of the same meeting for purposes of gaining or maintaining membership.

1) Quorum Members or Alternates Present

AST – James Bress	Plantronics – Allen Woo
CenturyLink (was Embarq) – Amar Ray	UL – Randy Ivans
Cisco – Tim Lawler	Uniden – Al Baum
Littelfuse – Phillip Havens	VTech – Steve Whitesell

2) Quorum Members Absent

None

3) Others Present

Industry Canada – Hazim Dawood	QNX Software Systems – Scott Pennock
Industry Canada – Amy Oke	TIA Staff – Teesha Jenkins
Microsoft – Hong Sodona	

c. Review of Notice for Participation

The Chair brought the attention of meeting participants to the following Important Notice for Participation as found in the TIA Engineering Manual:

Participation in, or attendance at, any activity of a TIA Formulating Group or any sub-element thereof, constitutes acceptance of and agreement to be bound by all provisions of the TIA Engineering Manual and permission that all communications and statements, oral or written, or other information disclosed or presented, and any translation or derivative thereof, may without compensation, and to the extent such participant or attendee may legally and freely grant such copyright rights, be distributed, published, and posted on TIA's web site, in whole or in part, on a non-exclusive basis by TIA or TIA's licensees or assignees, or as TIA directs. Exceptions to the foregoing may be granted or permitted in writing to the Chair of the Formulating Group by the head of TIA's Standards Program on a case-by-case basis.

d. Review and Approve Agenda

The R2 version of the agenda was submitted for review. Chair Steve Whitesell indicated the primary purpose of this special Monday evening session was to conduct the TR-41 Chair and Vice-Chair elections. He also indicated that Item 2a had been added to discuss a proposed certificate to be awarded to the IEEE Subcommittee on Telephone Instrument Testing (STIT) during the recognition even on Wednesday evening. He noted the meeting would then go into recess and be resumed at the normal time on Friday morning.

e. 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:

TIA's Intellectual Property Rights Policy can be found in Statements of Policy and subsequent sections of the TIA Engineering Manual. Participants in the work of the TIA Formulating Group are urged to review the appropriate Sections. Individual participants are encouraged to notify TIA of any patent(s) or published pending patent application(s) of which they are aware that may be essential to the practice of a proposed TIA Publication early on in its development to reduce the possibility for delays in the development process and increase the likelihood that the proposed TIA Publication will become a Standard. However, a Patent Holder who has provided TIA with the statement set forth in ANNEX H with respect to the applicable proposed TIA Publication need not (but may elect to) identify its specific patent(s) or published pending patent application(s) that may be essential to the practice of the proposed TIA Publication in question. Patent searches are not required to comply with the TIA Intellectual Property Rights Policy.

He pointed out that this policy encouraging disclosure of intellectual property rights applies equally to all normative elements of documents under development, whether included directly in the text or incorporated by reference. No disclosures were made.

f. Chair's Remarks

The Chair introduced and welcomed TIA Staff Support person Teesha Jenkins to her first TR-41 meeting. He noted that Stephanie Montgomery would not be with us for the week because she was attending the TR-41 meeting. He also indicated that Stephanie would not be with us for our February 2010 meeting because she is expecting her second child in March.

g. TIA Staff Remarks

Teesha Jenkins explained the use of the new on-line attendance tool and helped attendees record their attendance.

2. Chair and Vice-Chair Elections

The Chair turned the meeting over to Teesha Jenkins to conduct the Chair and Vice-Chair elections. She indicated she had received no nominations for Chair and asked if there were any nominations from the floor. There were none. She then noted that the TIA Engineering Manual includes a waiver provision that will allow an incumbent Chair or Vice-Chair to serve beyond the two-term limit if the individual is willing to do so and has the support of his/her company. Teesha indicated a letter had been received from VTech indicating support for Steve Whitesell to continue in the role of Chair. She then moved that the two-term limit be waived. The motioned was second and unanimously passed. She then moved that Steve Whitesell be re-elected Chair by acclamation. This motion also passed unanimously, and Steve was declared to be the continuing Chair.

Teesha then indicated she had received no nominations for Vice-Chair and asked if there were any nominations from the floor. Current Vice-Chair Al Baum indicated he was unable to gain company support to run for either the TR-41 Chair or Vice-Chair position, but that he did have support to run for the TR-41.3 Chair position again later in the week. He also indicated he would continue to assist Chair Steve Whitesell in whatever manner he could. The Vice-Chair position will remain vacant until such time as one or more candidates for the position come forward.

2.a Recognition Certificate for IEEE STIT

Chair Steve Whitesell noted that we would be holding a recognition event on Wednesday to acknowledge the contributions made by several individuals to the development of recently published TIA standards. He indicated that Allen Woo had suggested it might be nice to also recognize the IEEE STIT for their contributions to our work over the years. The frequently collocate with us and meet jointly with several of the TR-41.3 Working Groups. He suggested that this would be an appropriate time to do so since IEEE STIT was wrapping up its revision of the IEEE 269 measurement methodology standard that is fundamental to many of our performance standards.

Steve noted that we have a policy and guidelines for recognizing individual contributions, but that we don't have anything that would specifically allow him to recognize the IEEE STIT without seeking TR-41 membership approval. He indicated he had prepared a certificate to be presented to John Bareham as Chair of IEEE STIT if the members would so approve. The text of the certificate read as follows:

The Telecommunications Industry Association acknowledges its appreciation of the ongoing contribution made by the IEEE Subcommittee on Telephone Instrument Testing in providing support for standards developed by Subcommittee TR-41.3, Analog and Digital Wireline Terminals. The test methods and measurement procedures standardized by IEEE STIT are fundamental to the performance standards developed by TR-41.3 and are widely referenced in its documents. In recognition thereof, this certificate is hereby given on the 11th day of November, 2009.

After reading the text, Steve asked if there was any objection to presenting the certificate at the recognition event on Wednesday evening. There was none.

3. Recess and Reconvening

a. Recess

The business of the special Monday evening session having been concluded, Chair Steve Whitesell declared the meeting would go into recess until 8:00 am Friday morning when the remaining agenda items would be addressed. The recess occurred at 6:45 pm, although those in attendance stayed on for an informal TR-41 leadership meeting.

b. Reconvene

The regular session of the TR-41 Plenary was called to order at 8:00 am on Friday, November 13, 2009. Roll call was taken and a quorum was again confirmed with 8 of 8 member companies in attendance. An R3 version of the Agenda was presented. The only change from the previously approved R2 version was the addition of an item under Liaison Reports. The revised agenda was accepted as modified.

4. Previous Meeting Report

The report of the August Teleconference meeting was not available for review because it had not been completed. It will be considered for approval at the February meeting.

5. Subcommittee Reports and Requests

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

a. TR-41.3 – Analog and Digital Wireline Terminals – Al Baum

Subcommittee TR-41.3 met on Thursday afternoon, November 12, 2009. Its various working groups met from Monday through Wednesday and on Thursday morning.

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

- SP-3-0219-RV1, Handset Magnetic Measurement Procedures and Performance Requirements (to become TIA-1083-A)

Current Status: A Webex meeting was held in July where ballot comments were reviewed and significant editing and reformatting of the document was discussed and agreed to. It was agreed at that time to do a re-ballot after changes were made.

During the current meeting, draft was reviewed, changes from the July meeting were accepted, and more editorial changes were made.

A decision was made to harmonize with TIA-920-A related to definitions for dBm0, dBFS, and dBov. The TIA-1083 editor or chair (Bress or McKinnon) will confer with the TIA-920 editor to correlate these parts of the text and edit the current draft appropriately.

The TIA-1083A draft was edited to add statements regarding the use of codecs other than G.711 or L16-256. The following text was added to deal with the use of codecs other than G.711 or L16-256. The scope was slightly edited also to reflect this concept.

This standard describes the use of the G.711 and L16-256 codecs for testing purposes. If the telephone supports G.711 or L16-256, then one of these codecs shall be used for testing. If G.711 or L16-256 are not supported, then a telephone is considered compliant to this standard if all requirements of this standard are met when tested with at least one of the telephone's supported codecs.

There was some discussion regarding the necessity to test in wide band or narrow band mode considering the performance requirements are all narrow band. It was agreed the statement above allows either to be used for testing.

The required editorial changes will be made and the document will be distributed to the WG for review. If time permits, an interim TR-41.3 meeting may be requested to vote the document to be sent out for industry ballot.

Target Completion Date: 05/2010

- PN-3-4350.000-RV4, Overview of Performance Standards for Analog Telephones (to become TIA-470.000-D)

Current Status: PN-3-4350.000-RV4 will be submitted to TIA for Letter Ballot.

Target Completion Date: 02/2010

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

Current Status: The WG met briefly to review the Meeting Notes from the previous teleconference meeting and to review the current status of the project. On Tuesday 11-10-09, TIA sent out an email notification that this document is now open for ballot. The ballot will close on Monday 12-28-09. The WG adjourned early to allow TR-41.3.3 to reconvene and continue editing their document.

Target Completion Date: 05/2010

- PN-3-4350.210-RV4, Resistance and Impedance Performance Requirements for Analog Telephones (to become TIA-470.210-D)

Current Status: PN-3-4350.210-RV4 will be submitted to TIA for Publication.

Target Completion Date: 02/2010

- PN-3-4350.310-RV4, Cordless Telephone Range Measurement Procedures (to become TIA-470.310-D)

Current Status: PN-3-4350.310-RV4 will be submitted to TIA for Publication.

Target Completion Date: 02/2010

- PN-3-4350.330-RV3, Telephone Answering Devices (to become TIA-470.330-C)
Current Status: Steve Whitesell submitted Draft 15 (-004-L). The WG reviewed the Draft and resolved many issues. However, several unresolved issues still remain and need to be addressed.
Target Completion Date: 08/2010
- PN-3-4705.000-RV1, Overview of Acoustic Requirements for Wideband Digital Wireline Telephones (to become TIA-920.000-A)
Current Status: Letter ballot ended May 6, 11 Approve with no comment, 3 Approve with comment, 5 Abstain with no comment and 9 no-returns. No negative vote was received. All comments received were editorial and were accepted during the meeting. Plan to publish the document as a TIA standard together with TIA-920.110-A and TIA-920.130-A when TIA-920.110-A and TIA-920.130-A are ready. After it is published as TIA standard the group may apply Industry Ballot for this standard to make it as an ANSI/TIA standard.
Target Completion Date: 05/2010
- PN-3-4705.110-RV1, Transmission Requirements for Wideband Digital Wireline Telephones with Handsets (to become TIA-920.110-A)
Current Status: Letter ballot ended May 3, 8 Approve with no comment, 3 Approve with comment, 4 Abstain with no comment, 14 no-returns and 3 negative votes with comment. New contributions received from Don McKinnon of AST Technology Labs, Inc., Warren Karapetian of TI and Ron Magnuson of LifeSize Communications. Because Warren and Ron's contributions were incorporated in Don's contribution the meeting addressed only Don's contribution.
Plan to have a WebEcho meeting before the February meeting. If for some reason the WebEcho meeting does not happen, the working group will continue to work on the draft before sending it out for the second letter ballot.
Plan to publish the document as a TIA standard together with TIA-920.000-A and TIA-920.130-A after the second Letter Ballot passes. After it is published as TIA standard the group may apply Industry Ballot for this standard to make it as an ANSI/TIA standard.
Target Completion Date: 05/2010
- PN-3-4705.120-RV1, Transmission Requirements for Digital Wireline Speakerphones (to become TIA-920.120-A)
Current Status: Waiting for completion of the handset and headset document before beginning work on the speakerphone standard.
Target Completion Date: 11/2010
- PN-3-4705.130-RV1, Transmission Requirements for Wideband Digital Wireline Telephones with Headsets (to become TIA-920.130-A)
Current Status: No discussion was taking place at this meeting on this document. The plan is to incorporate all the relevant changes made in PN-3-4705.110-RV1 at this meeting to PN-3-4705.130-RV1".
Plan to have a WebEcho meeting before the February meeting. If for some reason the WebEcho meeting does not happen, the working group will continue to work on the draft before sending it out for the second letter ballot.
Plan to publish the document as a TIA standard together with TIA-920.000-A and TIA-920.110-A after the second Letter Ballot passes. After it is published as TIA standard the group may apply Industry Ballot for this standard to make it as an ANSI/TIA standard.
Target Completion Date: 05/2010

- PN-3-4159-RV1, Automatic Stutter Dialtone Detection Performance (to become TIA-855-A)
Current Status: The draft was reviewed by the WG and final edits were made. Editor (Bress) is to perform editorial clean up and then submit the final document for industry ballot.

Target Completion Date: 02/2010

Plenary Action Requested: TR-41.3 requests concurrence from TR-41 to send PN-3-4159-RV1, Automatic Stutter Dialtone Detection Performance (to become TIA-855-A) out for industry ballot.

Plenary Action Taken: Unanimous concurrence.

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

- Elections were held for the positions of Chair and Vice-Chair of TR-41.3. Al Baum was elected to serve a second two-year term as Chair. Jim Bress was elected to serve a second two-year term as Vice-Chair.

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

Subcommittee TR-41.7 met on Thursday afternoon, November 12, 2009. Its TR-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-3-0339, Ethernet First Mile Overvoltage Tests
Current Status: TR41.7 originally planned to terminate this project if no contributions were received by the November meeting. However, we received a specific request to keep this project active for one more meeting. We will keep it open with a target completion of 3/2010. Next meeting we will either reevaluate the completion date based on contributions received or terminate the project.

Target Completion Date: 03/2010

- PN-3-0340, Telecom Circuit Overcurrent Protectors Application Guide

Current Status: Work has been completed on the application guide and the document is ready to be sent out for committee vote (it is planned to be published as a TSB)

Target Completion Date: 02/2010

Plenary Action Requested: TR41 is requesting concurrence to send the completed draft out for committee ballot.

Plenary Action Taken: Unanimous concurrence.

- PN-3-3210-RV2, Radio Frequency Immunity Requirements (to become TIA-631-B)

Current Status: We received a contribution concerning the revision of the scope and have an editor who will incorporate this, updated references and an informative annex into the document. We are expecting additional contributions by the next meeting. It is not possible to complete the work by the next meeting so we are extending the completion date for 6 months from 02/2010 to 08/2010.

Target Completion Date: 08/2010

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

- Elections were held for the chairman position of TR41.7. As there were no nominations for the position, a motion was made, seconded and passed to waive the 2 term rule for the existing chairman, Randy Ivans. A motion to elect Randy as chairman by acclamation was made, seconded and passed. There were no nominations for vice chair so this position remains open.

- Al Martin presented information relating to SmartGrid home networking and the lack of a protection standard for the evolving technologies, especially where multi services are concerned. One of the distinguishing features of the Home Network is that much of the component equipment is connected to the power grid, as well as the communications network. This is called "multiservice equipment" in the IEEE SPDC. The multiservice nature of the equipment raises issues, related to how surges on the power line affect the communications side of the equipment.

Al Martin has offered to create a draft of proposed requirements to launch an effort to develop a standard.

We believe that because of the communications aspects of this technology, it would be within the scope of tr41. We are seeking plenary comments on this.

Plenary Action Requested: Requesting concurrence to open a project for the development of a standard dealing with the protection of home networking systems related to SmartGrid technologies.

Plenary Action Taken: Unanimous concurrence.

- Phil Havens will be representing the TIA at the UL/CSA Technical Harmonization Committee for review of the IEC 62368 standard next week. TR41.7.1 reviewed several topics on the agenda and provided Phil with guidance on presenting the TIA position on these topics which include acoustic limits and power cross.

TR41.7 would like to remind everyone that this is the beginning of the development of the next UL/CSA standard that will apply to telecommunications equipment for years to come. Manufacturers are encouraged to review the proposed requirements (IEC 62368) very carefully as this standard is in a whole new format from previous standards like the current UL60950-1. TR41.7.1 is the forum where proposals for US national deviations can be presented and discussed and, if appropriate, brought into the UL/CSA standards development process as a powerful industry recommendation rather than an individual comment. It should be noted that we have had great success with this in the past and are respected for our thoroughness and technical expertise.

c. TR-41.9 – Terminal Attachment Programs – Phillip Havens

Subcommittee TR-41.9 met on Wednesday, November 11, 2009 with 11 attendees. Its 41.9.1 Working Group met on Tuesday with 10 attendees.

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

- SP-3-0016-RV2, Technical Criteria for Terminal Equipment to Prevent Harm to the Telephone Network (to become ANSI/TIA-968-B)

Current Status: Published August 2009 and adopted by ACTA on September 22, 2009.

An Errata Sheet needs to be published to correct a formula for shdsl.

Plenary Action Requested: Concurrence is sought to publish Errata sheet and forward same to the ACTA.

Plenary Action Taken: Unanimous concurrence

- PN-3-0017-RV2, TSB-129-B Telecommunications - Telephone Terminal Equipment - U.S.Network Connections Regulatory Approval Guide

Current Status: Actively editing this document. Trone Bishop of Verizon is serving a Editor.

Target Completion Date: 05/2010

- PN-3-3602-RV4, Rationale and Measurement Guidelines for TIA-968, (to become TSB-31-D)

Current Status: Actively editing this document. Mathew Mulvihill of Industry Canada is serving as Editor.

Target Completion Date: 11/2010

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

Current Status: Two questions to be added to the FAQ list.

Plenary Action Requested: Concurrence to add these two questions is sought.

Plenary Action Taken: Unanimous concurrence

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

- Request a letter to be sent to the ANSI Staff (Reinaldo Figueiredo & Sandro Shelia) regarding a request to review and possible update the ANSI TCB Evaluation accreditation Scope C form with TR Chair signature.

Plenary Action Requested: For approval.

Plenary Action Taken: Unanimous approval

- Officially the TR-41.9 Chair and Vice-Chair positions remain open. No candidates for either position came forward for the elections scheduled for this meeting. Phillip Havens has agreed to serving as the "acting" Chair for the interim.

6. Liaison Reports

a. RERC on Telecommunications Access – Steve Whitesell

Steve Whitesell indicated he had received a request from Research Audiologist Linda Kozma-Spytek of Gallaudet University to provide a letter of support for a funding grant being sought by the Rehabilitation Engineering Research Center (RERC) on Telecommunications Access. One of the projects covered by the grant would be realistic specification of the gain provided by telephone receive volume controls. Since TR-41.3.5 plans to include a similar subject in its revision of TIA-470.110, and since we have had excellent past experience working with Linda on the development of hearing aid coupling noise criteria in TIA-1083, he felt it was appropriate to provide such a letter of support welcoming the RERC's collaboration on this project. A copy of the letter may be found in submission TR41-09-11-008-L.

7. Old business

a. Project Status Spreadsheet – Al Baum

Al requested the other Subcommittee Chairs to provide him with updates on their projects. We will plan to review this spreadsheet at the February meeting.

8. New Business

None.

9. Meeting Schedules

a. Next Meeting

The next meeting will be held the week of February 8-12, 2010 in Fort Myers, FL. 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:

Embassy Suites Fort Myers - Estero
10450 Corkscrew Commons Drive
Estero, FL 33928
Phone: 239 949 4222
Fax: 239 444 5497
Room Rate: \$129.00
Cut off date: January 18, 2010

b. Future Meetings

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

Date	Location
May 3-7, 2010	St Louis, Austin, San Antonio, Minneapolis, Denver ??
August 9-13, 2010	Hold virtual web/teleconference meetings
November 8-12, 2010	San Diego, Albuquerque, Orange Co, Phoenix, Vegas ??

10. Adjournment

There being no further business, the meeting was adjourned at 10:00 am. This meeting was conducted in accordance with the TIA Legal Guides and the Engineering Manual.

Stephen R Whitesell
Chair, TR-41

Appendix A
Tentative TR-41 Meeting Schedule for February 8-12, 2010 in Fort Myers

Room				
MONDAY 0830 – 1230 8 Feb 2010	TR-41.3.3/IEEE STIT Digital Xmission Perf (Woo/Bareham – 15)			
MONDAY 1330 – 1730 8 Feb 2010	TR-41.3.3/IEEE STIT Digital Xmission Perf (Woo/Bareham – 15)			
MONDAY 1800 – 1930 8 Feb 2010		TR-41 Leadership User Premises Eqpmt (Whitesell – 10)		
TUESDAY 0830 – 1230 9 Feb 2010	TR-41.3.10/IEEE STIT Speakerphones (Baum/Bareham – 15)	TR-41.9.1 Regulatory Criteria (Havens – 15)		
TUESDAY 1330 – 1730 9 Feb 2010	TR-41.3.5*/IEEE STIT Handset Telephones (McKinnon/Bareham – 15)	TR-41.9.1 Regulatory Criteria (Havens – 15)		
TUESDAY 1900 - 2200 9 Feb 2010				
WEDNESDAY 0830 – 1230 10 Feb 2010	TR-41.3.2 Stutter Dial Tone (Bress – 15)	TR-41.9 Regulatory (Havens – 15)		IEEE STIT (Bareham – 10)
WEDNESDAY 1330 – 1730 10 Feb 2010	TR-41.3.12** Telephone Ans Devices (Ray – 15)	TR-41.9 Regulatory (Havens – 15)		IEEE STIT (Bareham – 10)
WEDNESDAY 1900 – 2200 10 Feb 2010				
THURSDAY 0830 – 1230 11 Feb 2010	TR-41.3.9 Cordless Telephones (Bress – 15)	TR-41.7.1 Int'l Safety Standards (Ivans – 10)		IEEE STIT (Bareham – 10)
THURSDAY 1330 – 1730 11 Feb 2010	TR-41.3 Wireline Terminals (Baum – 15)	TR-41.7 Environmental & Safety (Ivans – 10)		
THURSDAY 1900-2200 11 Feb 2010				
FRIDAY 0800 – 1030 12 Feb 2010	TR-41 Plenary User Premises Eqpmt (Whitesell – 15)			

*TR-41.3.5 may start on Tuesday morning if TR-41.3.10 finishes early.

**TR-41.3.12 may start on Wednesday morning if TR-41.3.2 finishes early.

**Appendix B
Document List**

<u>Number</u>	<u>Source</u>	<u>Description</u>
TR41-09-11-001-R3	Chair	Agenda for Las Vegas Meeting
TR41-09-11-002-MR1	Chair	Document List
TR41-09-11-003-L	Chair	Teleconference Meeting Report
TR41-09-11-004-MR2	Chair	Attendance Spreadsheet
TR41-09-11-005-MR1	Baum	TR-41.3 Chair's Report
TR41-09-11-006-MR1	Ivans	TR-41.7 Chair's Report
TR41-09-11-007-MR1	Havens	TR-41.9 Chair's Report
TR41-09-08-008-L	Chair	RERC for Telecom Access Support Letter (Liaison)