Approved by General Counsel

TR-41 Meeting Report

Date(s): 05/03/2013 - 05/03/2013

Location: Santa Cruz, CA

Approved: 06/06/2013

Telecommunications Industry Association
Standards and Technology Department

Engineering Committee TR-41
User Premises Telecommunications Requirements

Meeting Report

Chair: Stephen R. Whitesell   **Date: May 3, 2013**
Vice-Chair: (Vacant)   **Venue: Plantronics**
Secretary: (Vacant)   **City: Santa Cruz, CA**

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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 5 of 7 voting member companies represented.

   1) **Quorum Members or Alternates Present**

AST – James Bress	UL – Randy Ivans
Cisco – Tim Lawler	Whitesell Consulting – Steve Whitesell
Plantronics – Allen Woo	

   2) **Quorum Members Absent**

Littelfuse – Will Li	Uniden – Al Baum

   3) **Others Present**

Industry Canada – Jason Nixon	TIA Staff – Marianna Kramarikova
Industry Canada – Magdoly Rondón	VXi Corporation – Thomas Terrien
Plantronics – Dan Selling	

   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 agenda was submitted for review and approved without changes except for updating contribution numbers associated with some agenda items.

   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, including requirements introduced through normative references, 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.

No disclosures were made.

f. Chair's Remarks

The Chair thanked Allen Woo on behalf of TR-41 for Plantronics hosting of the meeting and asked that he convey the gratitude of TIA and the meeting participants to his management for the their gracious provision of the meeting facilities, refreshments, informative tour, and numerous small touches that made for an excellent meeting.

The Chair also reminded the meeting participants that we are scheduled to hold Chair and Vice Chair elections for Tr-41 and its subcommittees at the November 2013 meeting. He encouraged all voting members to consider running for one or more of the leadership positions. A formal call for candidates will be issued following our August virtual meetings.

g. TIA Staff Remarks

Marianna Kramarikova also expressed her thanks on behalf of TIA to Plantronics for hosting the meeting.

h. Meeting Documents

The list of documents for the meeting is provided in Annex A.

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-41.3 – Analog and Digital Wireline Terminals – James Bress

Subcommittee TR-41.3 met on Thursday, May 2, 2013. Its TR-41.3.3, TR-41.3.5, and TR-41.3.14 working groups met on Monday through Wednesday.

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

- ANSI/TIA-PN-470.110-D, Transmission Requirements for Narrowband Analog Telephones with Handsets (to become TIA-470.110-D)

  Current Status: Editorial cleanup was completed on this document and it has been submitted for ballot by the editor, James Bress, AST Technology Labs. The ballot opened April 30, 2013 and will close on June 14, 2013.

  Target Completion Date: 11/2013

- ANSI/TIA-PN-470.112, Transmission Requirements for Wideband Analog Telephones with Handsets

  Current Status: The ballot on this document closed on April 13 with 7 Approve, 1 Do Not Approve, 3 Abstain, and 2 Ballots not Returned. Comments were provided as annotated copies of the ballot document in contributions TR41.3.5-13-04-011b and TR41.3.5-13-04-013. The editor's proposed dispositions for the editorial comments were documented in the –R1 versions of these contributions, and the marked-up version of the ballot document reflecting these changes was provided as Draft 1.1 in contribution TR41.3.5-13-04-004. The Working Group reviewed these documents and agreed to accept the proposed editorial changes.

The –MR2 versions of the -011b and -013 comment documents indicate the disposition of the technical comments made as a result of discussion during the meeting. Contribution TR41.3.5-13-04-004-MR2 includes the technical changes to the document agreed to in the meeting. These changes include adoption of SLR = 3.5 dB and RLR = -7.5 dB as the nominal values for these parameters when tested using a 600 ohm source/load impedance and no loop as specified in the draft standard. The derivation of these values is explained in contribution TR41.3.5-13-04-014-L. TR-41.3 unanimously approved submitting the modified document for default ballot after editorial cleanup by the editor Steve Whitesell, Whitesell Consulting.

Target Completion Date: August 2013

Plenary Action Requested: Concurrence to send ANSI/TIA-PN-470.112 for default industry ballot after editorial cleanup.

Plenary Action Taken: Unanimous Concurrence

- ANSI/TIA-PN-470.122, Transmission Requirements for Wideband Analog Telephones with Speakerphones

Current Status: Draft 0.4 of the wideband speakerphone standard was provided in contribution TR41.3.5-13-04-005. The draft was reviewed during the meeting, with comments captured in the –MR1 version of the contribution. TR-41.3 unanimously approved submitting the modified document for industry ballot after editorial cleanup and implementation of changes to nominal SLR and RLR values corresponding to those agreed to for the handset document by the editor Steve Whitesell, Whitesell Consulting.

Target Completion Date: August 2013

Plenary Action Requested: Concurrence to send ANSI/TIA-PN-470.122 for industry ballot after editorial cleanup.

Plenary Action Taken: Unanimous Concurrence

- ANSI/TIA-PN-470.132, Transmission Requirements for Wideband Analog Telephones with Headsets

Current Status: Draft 0.1 of the wideband headset standard was provided in contribution TR41.3.5-13-04-007. The draft was reviewed during the meeting, with comments captured in the –MR1 version of the contribution. TR-41.3 unanimously approved submitting the modified document for industry ballot after editorial cleanup and implementation of changes to nominal SLR and RLR values corresponding to those agreed to for the handset document by the editor Steve Whitesell, Whitesell Consulting.

Target Completion Date: August 2013

Plenary Action Requested: Concurrence to send ANSI/TIA-PN-470.132 for industry ballot after editorial cleanup.

Plenary Action Taken: Unanimous Concurrence

- ANSI/TIA-PN-470.210-E, Resistance and Impedance Performance Requirements for Analog Telephones

A project has been opened to revise the analog telephone resistance and impedance requirements document to provide supplemental criteria for wideband telephones. Draft 0.1 of the proposed revision addressing voiceband on-hook impedance and transverse balance was provided in TR41.3.5-13-04-008. The draft was reviewed during the meeting, with comments and proposed requirements for off-hook impedance (return loss) captured in the –MR1 version of the contribution. TR-41.3 unanimously approved submitting the modified document for industry ballot after editorial cleanup by the editor Steve Whitesell, Whitesell Consulting.

Target Completion Date: August 2013

Plenary Action Requested: Concurrence to send ANSI/TIA-PN-470.210-E for industry ballot after editorial cleanup.

Plenary Action Taken: Unanimous Concurrence

- ANSI/TIA-PN-470.220-D, Alerter Acoustic Output Performance Requirements for Analog Telephones

  Current Status: Requesting contributions

  Target Completion Date: February 2014

- ANSI/TIA-PN-810-C Series, Transmission Requirements for Narrowband Digital Telephones

  Current Status: Projects cancelled in favor of combining narrowband requirements from ANSI/TIA-810-B with wideband requirements from TIA-920-A series in new ANSI/TIA-920-B series.

- ANSI/TIA-PN-920.000-B, Overview of Transmission Requirements for Digital Telephones

  Current Status: On hold until revised ANSI/TIA-920.xxx-B documents are ready for publication.

  Target Completion Date: February 2014

- ANSI/TIA-PN-920.110-B, Transmission Requirements for Digital Telephones with Handsets

  Current Status: Editor Steve Whitesell, Whitesell Consulting, prepared the first draft that was reviewed during the TR41.3.3 working group meeting. The working group agreed on a format for the document to include narrowband and wideband requirements.

  Target Completion Date: February 2014

- ANSI/TIA-PN-920.120-B, Transmission Requirements for Digital Telephones with Speakerphones

  Current Status: Waiting to complete ANSI/TIA-920.110-B.

  Target Completion Date: May 2014

- ANSI/TIA-PN-920.130-B, Transmission Requirements for Digital Telephones with Headsets

  Current Status: Waiting to complete ANSI/TIA-920.110-B.

  Target Completion Date: May 2014

- ANSI/TIA-PN-1063-A, Analog Telephone Port Requirements for Packet-based User Premises Terminal Equipment (to become ANSI/TIA-1063-A)

  Current Status: Requesting contributions

  Target Completion Date: May 2014

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

- A presentation by Linda Kozma-Spytek from Gallaudet University showed a significant improvement in intelligibility for wideband over narrowband for cochlear implants and hearing aids. TR41.3 voted to open a project to revise ANSI/TIA-1083-A to become ANSI/TIA-1083-B. The revisions will include adding requirements for wideband and allowing for the use of real speech test signals.

  Plenary Action Requested: Concurrence to open the project to revise ANSI/TIA-1083-A to become ANSI/TIA-1083-B.

  Plenary Action Taken: Unanimous Concurrence

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

Subcommittee TR-41.7 met on Tuesday, April 30, 2013.

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

- ANSI/TIA-PN-571-C, Electrical, Thermal, Mechanical Environmental Performance Requirements

  Current Status: There were no new contributions received for this project and no new work was completed. TR41.7 is still seeking contributions for additional updates and revisions to this standard.

  Target Completion Date: The November 2013 completion date is now in doubt. A better estimate if contributions are received would be 2Q 2014.

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

- There is some question relating to the continued participation of the current chair due to a possible shift in responsibilities. This needs to be considered for the fall elections.

- After the last meeting in February, TR41.7 was supposed to prepare a submission package as part of a request for TIA-1194 to be considered by the Smart Grid Interoperability Panel (SGIP) for their Catalog of Standards. The submission package has not yet been completed but will be worked on by the chair. Once complete, VP Cheryl Blum will send an email with the submission information for consideration by SGIP for the Catalog of Standards.
For more information, see: SGIP Standards Catalog

- There is concern about the lack of interest in the TR41.7 committee by the industry. There are significant changes underway in the international and national safety arena (i.e. IEC 62368 second edition) that should be of interest to the industry. There is the TIA-571 revision project is underway and there has been interest expressed by some companies but no new contributions have been received.

c. TR-41.9 – Terminal Attachment Programs – Acting Chair Randy Ivans

Subcommittee TR-41.9 met on Wednesday, May 1, 2013.

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

- TIA-PN-31-D-2, Rationale and Measurement Guidelines for U.S. Network Protection (TSB-31-D Addendum 2)

Current Status: Work is completed on this document and the agreed text is in TR41.9-11-007-MR1. Randy Ivans has agreed to put this material into a TSB publication format and submit it for publication. The plenary approved this for ballot at the last meeting. It should be noted that the FCC has not approved the test method yet. However, a docket number was assigned and it appears that the DRO supports the concept. Industry Canada has indicated that they will be moving forward with conversational gain and will be proposing it to TAPAC.

Target Completion Date: November 2013

- TIA-PN-1096-A (or B?), Connector Requirements for Connection of Terminal Equipment to the Telephone Network

Current Status: There was discussion at the last meeting relating to a request for modification of the requirements. It was decided at that time that the stated issue was not related to this standard and the subcommittee decided no changes were needed. Also at the last meeting it was decided that if no contributions were received by this meeting we would not reopen the document for revision. No contributions were received. A project was accidentally opened and needs to be closed.

Target Completion Date: June 2013

Plenary Action Requested: Request concurrence to close ANSI/TIA-PN-1096-B as it was opened in error.

Plenary Action Taken: Unanimous Concurrence

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

Current Status: A question relating to dc resistance testing was received via email. The subcommittee discussed the email inquiry (TR41.9-13-05-005) and a suggested answer (TR41.9-13-05-006). A formal response and Q/A entry was developed and will be posted as a contribution. Steve Whitesell agreed to answer the email and the acting chair agreed to update the Q/A document and get it posted on the TIA website.

Plenary Action Requested: TR41.9 seeks concurrence to send an email response to the Sophia Li and post the developed Q/A on the TIA website.

Plenary Action Taken: Unanimous Concurrence

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

- Out-of-band Tests on Wideband Analog Phones was discussed with contribution TR41.9-13-05-008-L by Jason Nixon of Industry Canada. This raised some questions about out-of-band

noise measurements on wideband analog phones and whether real speech signals should be used as a stimulus for such testing. IC agreed to perform some additional testing in this area and report back results at the next meeting. TR41.9 will then decide if revisions/additions to Rationale and Measurement Guidelines for U.S. Network Protection (TSB-31-D) will be needed. TR41.9 wants to thank IC very much for their participation and continued valuable contributions to our work.

4. **Liaison Reports**

   a. **ETSI STQ – Steve Whitesell**

   Contribution TR41-13-05-011 is a follow-up liaison letter from Chair Steve Whitesell to ETSI STQ Chair Andreas Kamcke reporting on the progress of the TR-41.3 wideband analog telephone projects. It was also given contribution number TR-41.3-13-05-007. Unless an inquiry is received from STQ, no further liaison reports are anticipated until the wideband documents are approved for publication.

5. **Action Items and Project Status**

   a. **Review of Action Items from Previous Meeting**

   Chair Steve Whitesell reviewed the status of action items from the February meeting as given in TR41-13-05-009-MR2. Most items were noted as having been completed, but the following items still require action:

   Carry-over Item 2: TR-41.3 Chair to inquire with TR-45 Chair about collaborative work to include mobile handsets in future revision of TIA-4953 amplified telephone standard.

   Carry-over Item 4: TR-41 Chair to incorporate the editorial ballot comment resolution proposal from Contribution TR41-12-08-015-L into a draft revision of the TR-41 Operational Guidelines for consideration at the February 2013 meeting.

   Carry-over Item 6: TR-41.7 will work with TIA Staff to request ANSI/TIA-1194 be accepted by the NIST Smart Grid Interoperability Panel (SGIP) for inclusion into their Catalog of Standards.

   New Item 6: TR-41.9 to send TIA-PN-31-D-2 (to become TSB-31-D-2) out for committee ballot after completion of editorial cleanup.

   b. **Action Items from this Meeting**

   The action items coming out of this meeting, including the items noted above from the previous meeting that still require action, are listed in Annex B. This list will also be published as contribution TR41-13-08-009 for the next meeting.

   c. **Project Status Review**

   Chair Steve Whitesell drew attention to the Project Status Spreadsheet (TR41-13-05-008-MR1). Steve indicated he is updating this spreadsheet based on information taken from the Subcommittee Chairs' reports and believes it is current, but he asked them to review the latest version and to let him know if there were any errors or corrections needed.

   The Chair took note of the following points of discussion:

   - TR-41.3 should take a look at the next meeting into opening a project to revise (or reaffirm) ANSI/TIA-912-B. This document was last revised in 2007 by the former TR-41.4 Subcommittee, so it is past its 5-year review date.

   - TR-41.7 Chair Randy Ivans requested ANSI/TIA-PN-571-C be mentioned at the next TSSC meeting as a way of possibly raising additional interest in this revision project on environmental criteria for user premises communications equipment. He will also see out contacts at AT&T, Verizon, etc. about possible participation in this work.

6. **Old Business**

   a. **Renaming TR-41**

   At the last meeting we agreed the Chair should send a message to all TR-41 email reflectors requesting suggestions for a new name and corresponding short statement of scope for TR-41 that better reflects the work we are doing today and better resonates with the people and organizations we would like to attract to the TR-41 work. This was done. Jim Bress volunteered

to collect and summarize the results. He was to then circulate the proposals to TR-41 quorum members for a vote to see if there was unanimous agreement on one of the proposals. If not, then the entire list was to be circulated to all TR-41 email reflectors for a vote.

TR41-13-05-012-LR1 provides a summary of the email discussions that ensued and captures the list of proposed at the end. As a late contribution, the document was not available to be circulated to quorum members for a vote prior to the meeting. It was discussed during the meeting and two additional alternative names were added as a result of the discussion, making a total of 11 suggestions in all. A vote was then taken and there was unanimous agreement among the quorum members present on "Performance and Accessibility for Communications Products" as the proposed new name for TR-41.

Additional work must still be done on a revised scope to go along with this title. That effort will be led by Jim Bress and Steve Whitesell in creating an initial draft and then circulated by email among TR-41 quorum members. Once a proposed scope is agreed upon as well, both it and the proposed new name will need to be submitted to the Technical Standards Subcommittee (TSSC) for review and to the Technical Committee (TC) for approval. The goal is to have this accomplished in time for the next TSSC and TC meetings on July 18th and July 30th, respectively.

b. Addition of Ballot Comment Resolution Proposal to Operating Guidelines

The Chair has not made any progress on drafting the necessary changes to the Operating Guidelines.

7. New Business

There were no specific items of new business, but a suggestion was made to add an Agenda Item for the August meeting to consider combining TR-41.7 and TR-41.9 into one subcommittee. There was also a suggestion that we seek participation by representatives of the FCC Disability Rights Office (DRO) in the work of TR-41.3.14.

8. Meeting Schedules

a. Next Meeting

After some discussion, agreement was reached to move the series of Virtual August meetings to the week of August 19-23, with the TR-41 Plenary being scheduled for 1:00 pm to 3:00 pm EDT on August 23, 2013. The preliminary meeting schedule for the various TR-41 subcommittees and working groups is given in Annex C.

b. Future Meetings

Although the original proposal for the November meeting was to hold it in the Dallas – Ft. Worth area, we are receiving a hard push to hold the meeting at the new TIA Headquarters in Arlington. The cost of hotel rooms is a major issue but is currently being worked.

Date	Location
November 4-8, 2013	Arlington, VA; Dallas, TX ??
February 3-7, 2014	Dallas, TX ??
May 5-9, 2014	
August 18-22, 2014	Virtual
November 10-14, 2014	

9. Adjournment

There being no further business, the meeting was adjourned at 10:15 am. This meeting was conducted in accordance with the TIA Legal Guides and the Engineering Manual.

Stephen R Whitesell
Chair, TR-41

Annex A
Document List

Number	Source	Description
TR41-13-05-001-MR1	Chair	Agenda
TR41-13-05-002-MR1	Chair	Document List
TR41-13-05-003	Chair	Las Vegas Meeting Report
TR41-13-05-004-MR2	Chair	Attendance Spreadsheet
TR41-13-05-005-MR1	Bress	TR-41.3 Chair's Report
TR41-13-05-006-M	Ivans	TR-41.7 Chair's Report
TR41-13-05-007-MR1	AdHoc Chair	TR-41.9 Chair's Report
TR41-13-05-008-MR1	Chair	Project Status Spreadsheet
TR41-13-05-009-MR2	Chair	Las Vegas Action Item List
TR41-13-05-010		(Reserved)
TR41-13-05-011	Chair	Liaison Update to ETSI STQ on Wideband Analog Telephone Std
TR41-13-05-012-MR2	Bress	TR-41 Renaming Proposals

**Annex B
Action Items**

Carry-over Items from Previous Meeting(s)

1. TR-41.3 Chair to inquire with TR-45 Chair about collaborative work to include mobile handsets in future revision of TIA-4953 amplified telephone standard.
2. TR-41 Chair to incorporate the editorial ballot comment resolution proposal from Contribution TR41-12-08-015-L into a draft revision of the TR-41 Operational Guidelines for consideration at the November 2012 meeting.
3. TR-41.7 will work with TIA Staff to request ANSI/TIA-1194 be accepted by the NIST Smart Grid Interoperability Panel (SGIP) for inclusion into their Catalog of Standards.
4. TR-41.9 to send TIA-PN-31-D-2 (to become TSB-31-D-2) out for committee ballot after completion of editorial cleanup.

New Items

1. TR-41.3 to send ANSI/TIA-PN-470.112 out for default industry ballot after editorial cleanup.
2. TR-41.3 to send ANSI/TIA-PN-470.122 out for industry ballot after editorial cleanup.
3. TR-41.3 to send ANSI/TIA-PN-470.132 out for industry ballot after editorial cleanup.
4. TR-41.3 to send ANSI/TIA-PN-470.210-E out for industry ballot after editorial cleanup.
5. TR-41.3 to open a project to revise ANSI/TIA-1083-A to become ANSI/TIA-1083-B
6. TR-41.9 to work with TIA Staff to close ANSI/TIA-PN-1096-B project that was opened in error.
7. Steve Whitesell to send email response on behalf of TR-41.9 to Sophia Li regarding question relating to dc resistance testing raised in TR41.9-13-05-005.
8. Randy Ivans to update Part 68 FAQ document with Q/A on dc resistance issue raised in TR41.9-13-05-005 and post it on TIA web site.
9. TR-41.3 to include possibility of opening a project to revise (or reaffirm) ANSI/TIA-912-B of its Agenda for the August virtual meeting.
10. Steve Whitesell to mention work on ANSI/TIA-PN-571-C environmental criteria standards at next TSSC meeting.
11. Randy Ivans to seek out contacts at AT&T, Verizon, etc. about possibility of participating in work on ANSI/TIA-PN-571-C.
12. Jim Bress and Steve Whitesell to work on drafting proposed revised scope for TR-41 and circulating it to quorum members to reach consensus.
13. Proposed new title and revised scope for TR-41 to be presented at TSSC meeting on July 18th for review and at TC meeting on July 30th for approval.
14. Discussion of possibility of combining TR-41.7 and TR-41.9 to be included as Agenda Item for August virtual meeting.
15. Jim Bress and Steve Whitesell to work with Marianna Kramarikova to see if we can interest representative(s) from FCC Disability Rights Office in participating in TR-41.3.14 work.

Annex C
Tentative TR-41 Virtual Meeting Schedule for August 2013

EDT	Sunday 8/11/2013	Monday 8/12/2013	Tuesday 8/13/2013	Wednesday 8/14/2013	Thursday 8/15/2013	Friday 8/16/2013	Saturday 8/17/2013
12:00							
12:30							
1:00							
1:30					TR-41.3.5		
2:00							
2:30							
3:00							
3:30							
4:00							
4:30							
5:00							
5:30							

EDT	Sunday 8/18/2013	Monday 8/19/2013	Tuesday 8/20/2013	Wednesday 8/21/2013	Thursday 8/22/2013	Friday 8/23/2013	Saturday 8/24/2013
12:00							
12:30							
1:00							
1:30			TR-41.7	TR-41.9	TR-41.3	TR-41	
2:00							
2:30							
3:00							
3:30							
4:00							
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5:00							
5:30							