

DOCUMENT TYPE

TITLE: Draft Meeting Minutes of July 26, 2002 Plenary Session of T1P1
SOURCE*: Committee Administrator
PROJECT: Administrative

ABSTRACT

This document contains the draft meeting minutes of the July 26, 2002 plenary session of T1P1 in Westminster, Colorado.

NOTICE

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**TECHNICAL SUBCOMMITTEE T1P1
WIRELESS/MOBILE SERVICES AND SYSTEMS
July 26, 2002
Westminster, Colorado**

1 Call to Order/Quorum Call/Opening Remarks

Asok Chatterjee (Ericsson), Chair of T1P1, called the meeting to order at 8:02 a.m. MT.

Quorum Call

Member organizations had answered to roll call prior to the start of the meeting, and the Chair announced there was a quorum. Out of 37 voting members listed on the roster, 23 registered and were represented by someone listed on the roster, or by someone duly authorized without involving multiple votes. By acclamation, the membership approved one request for multiple votes for Don Zelmer, Cingular, as designated representative for BellSouth. Letters are on file with the Secretariat for all designated representatives. With the approval of the multiple votes, the number of T1P1 members represented totaled 24. The attendance at this session is recorded in Attachment 1 to these minutes.

2 Approval of Agenda and IPR Statement

The meeting agenda, T1P1/2002-071R1, was approved without modification.

Patent Disclosure

The Chair stated T1's policy with respect to patents as follows:

Other than reaffirming their company's previously stated position, does anyone wish to make any statement regarding IPR on standards being worked in this committee?

There was no response.

3 Approval of Previous Meeting Minutes

The minutes of the May 3, 2002 T1P1 meeting, T1P1/2002-069, held in Key West, Florida, were approved without modification.

4 Approval of 3GPP Specifications

The Chair noted that there were two files available on the Committee T1 Web site (<ftp://ftp.t1.org/pub/t1p1/3gpp/062002/3gpp-specs.zip> and <ftp://ftp.t1.org/pub/t1p1/3gpp/062002/july-specs.zip>) that contained 3GPP specifications to be approved as T1 specifications at this meeting. He noted that these specifications could be approved during the reports of T1P1.2 and T1P1.3, and there was no objection to holding their approval at that time.

5 T1AG/T1 Actions Relating to T1P1

- The Chair noted the importance of all participants taking the IPR statement very seriously, and he encouraged all companies to disclose any patents that could be applicable to T1 standards, specifications, TRs, TRQs, etc.

- The Chair informed T1P1 that Committee T1 had changed its Mission and Scope statement, and that most notably, they have replaced that word “telecommunication” with “communication” in order to broaden the scope of Committee T1 in the industry.
- The Vice Chair reported that there are ballots out to fill vacant positions on the T1AG, and he encouraged everyone to get involved in the balloting process, and to step forward and fill any continued vacancies.

6 T1P1 Surveillance Ad Hoc Group Report

Ron Ryan (Nortel Networks) presented T1P1/2002-081, the activity summary report from the T1P1 Surveillance Ad Hoc. Due to some editorial changes made to this report during the meeting, a revised version was produced and is submitted as an attachment to these minutes. This report summarized activities occurring regarding Lawfully Authorized Electronic Surveillance (LAES) on July 25, 2002, in Westminster, Colorado.

Mr. Ryan reported on T1P1/2002-075 regarding deficiencies in IP Multimedia Core Network Systems. Mr. Ryan noted that through extensive discussions two areas were identified for further study:

1. Correlation of IRI and content/media streams when multiple streams exist within one context. A request was made to identify the specific case(s) where correlation was inadequate or failed to support the deficiency contention and, if possible, to identify a solution(s).
2. Start of intercept during an active SIP session (e.g., VoIP call). It was asserted that this was a new requirement not previously required for active voice calls. A request was made to identify the specific event report being requested for reporting at the start of intercept when an active VoIP call exists and to identify the specific state(s) to be reported via the event and the specific states to be maintained/reported by the network.

It was also recommended that a work item be opened for 3GPP Release 6 on this matter. Contributions were requested identifying a Release 6 work item.

Mr. Ryan presented T1P1/2002-074 regarding packet activity reporting. He noted that the contribution had been reviewed and consensus could not be reached on the following subjects:

1. To add the provided examples to TS 33.107 and TS 33.108. Objections to adding the examples were noted from several companies.
2. Move forward to develop requirements for extracting IRI associated with Packet Activity. Objections and concerns were noted from several companies.
3. Review, adopt, and forward to 3GPP SA3-LI specific proposed changes to TS 33.107 and TS 33.108 to address Packet Activity Reporting. Objections and concerns were noted from several companies.

Based on the discussions and actions, the FBI-CIS requested the following statements be added to the T1P1.SAH and T1P1 meeting reports and read out loud at the T1P1 plenary:

“FBI-CIS strongly objects to the T1P1.SAH group’s refusal to adequately address the deficiency in TS 33.108 of any capability for reporting communication-identifying information associated with packets (e.g., IP addresses, protocol, port numbers) sent or received by the intercept subject either on a per-packet or on an aggregate basis.

FBI-CIS has proposed material to address a "packet activity" reporting capability a number of times. These contributions continue to be completely rejected without any substantive discussion. Though specifically requested, no alternative method of providing the information was identified or proposed by the group. The omission of such capability from this standard fails to meet law enforcement's legitimate needs for acquiring lawfully authorized information."

The T1P1 Vice Chair, Mark Younge, requested to relinquish his post as Vice Chair for this portion of the meeting, and the Chair concurred. Mr. Ryan noted that these contributions were not only addressed at the July 2002 meeting, but they had also been reviewed at the January 2002 T1P1.SAH meeting. The T1P1 Chair noted that statements can be added to any meeting minutes as a matter of course, however, he was concerned by the implication that the above statement made regarding the lack of due process. The Chair asked Mr. Ryan how the conclusions regarding T1P1/2002-074 were reached. Mr. Ryan explained that the contributor was given the opportunity to present the contribution, followed by a session of questions for clarification, followed by general group discussion. He also noted that throughout the discussion the participants in the T1P1.SAH had reached no clear consensus. The Chair asked for clarification from the FBI/CIS as to the nature of their statement. Don Codling, FBI/CIS noted that Mr. Ryan had done an excellent job in the fair and equitable handling of a difficult and contentious environment. Mr. Codling noted that his organization had formally requested assistance from the industry in this forum, and so far no assistance was forthcoming. The Chair noted that this must be a frustrating situation, however a Committee T1 TSC has no power to force industry response.

Following continued discussion regarding the content of the discussions within the T1P1.SAH, Mr. Younge made the following motion:

"That T1P1 determine by formal vote or consensus—was due process followed in the T1P1.SAH for contribution T1P1/2002-074?"

The motion was seconded, and the Chair asked for any comments or discussion, and there was none. The Chair asked for a response from all those in favor of the motion, supporting that the T1P1.SAH followed due process for contribution T1P1/2002-074. There were 10 responses.

The Chair asked for a response from all those opposed to the motion, supporting that the T1P1.SAH did not follow due process for T1P1/2002-074. There were no responses.

The Chair asked for a response from all those wishing to abstain from the vote. There were 14 responses. The Chair noted that the motion was passed in supporting that the T1P1.SAH did follow due process for T1P1/2002-074.

Mr. Ryan continued with his report, T1P1/2002-081. Mr. Ryan noted that two other documents were discussed:

1. T1P1/2002-086—Suggested Changes to TS 33.108
2. T1P1/2002-088—Lawful intercept for UMTS

He noted that these contributions would be revised and resubmitted based on discussion that occurred during the T1P1.SAH meeting.

Mr. Ryan requested permission to hold an interim meeting on September 11-12, 2002, hosted by AWS (AT&T Wireless Services) in Las Vegas, NV. He noted that the details for this meeting would be distributed as soon as possible. Mr. Ryan also requested that the T1P1.SAH be allowed to meet at the next meeting of T1P1 in November 2002 in San Diego, CA. Both of these requests were approved without objection.

7 T1P1.1 Report

This working group did not meet this week. Although the WG has been dormant for a while, it is expected that new work on GSM/CDMA interworking may be coming in the near future. Mr. Chris Wallace, Chair of TR 46, expressed his opinion that should such work come to T1P1, he will expect T1P1.1 to take technical lead as opposed to TR46.3.

8 T1P1.2 GSM/3G Radio Working Group Report

Don Zelmer (Cingular), Chair of T1P1.2, presented T1P1/2002-077, a report on the activities in T1P1.2. He reported that in addition to the meeting of T1P1.2, they also met jointly with T1P1.3 and TIA's TR46.2. Mr. Zelmer requested a liaison (T1P1/2002-089) to Committee T1 TSC T1A1 regarding the update of ITU-R M.1079-1. This liaison was approved without objection.

Mr. Zelmer reported that in late May 2002, the 3GPP MCC notified T1P1 that they believed there were 8 errors in the T1P1 submission to the RSPC update to the ITU WP 8F. After researching the situation it was determined that four editorials were necessary, and one document had been left out of the submission. Both T1P1.2 and T1P1.3 have approved the proposed modifications (T1P1/2002-094) and proposed liaison to the Committee T1 Chair (T1P1/2002-090) to notify him of the newly approved submissions. Both the submissions and the liaison were approved by T1P1 without comment.

T1P1/2002-095, a reminder for the OPs on the compliance with ITU-R procedures as it relates to Revision 3 of Recommendation ITU-R M.1457, was reviewed and T1P1.2 determined that there would be a problem with the update of Revision 3 to RSPC. This problem would occur if the 3GPP TSG RAN determined that the December 2002 output documents would be the specifications that were to be put forward into the ITU in the April 2003 time frame. A liaison was crafted (T1P1/2002-091) to Francois Coureau, Chair of TSG RAN, concerning the problems with the ITU deadline date. This liaison was approved without comment.

The Chair of T1P1 was able to get the approval from the ITU for T1P1.2 to review the implementation handbook that is currently being worked in the ITU WP8F. Several editorial issues were discovered, but very little time was available for editing the document. The Chair of T1P1.2 requested that everyone interested should forward the changes to the T1P1.2 Chair by the end of the day on Monday, July 29, 2002. T1P1.2 requested prior approval for the editorial changes to be approved by T1P1 for submission to the ITU Handbook editorial website. Approval was granted without comment.

9 T1P1.3 GSM/3G System and Network Working Group Report

Sonia Garapaty (Nortel Networks), Chair of T1P1.3, presented T1P1/2002-078, a report on activities in T1P1.3.

Ms. Garapaty noted that in the joint meeting of T1P1.2 and T1P1.3 it was agreed to send a response liaison (T1P1/2002-083) to TR45.2 on T1P1 participation in the further development of J-STD-036. This liaison was approved without comment.

During the joint meeting, it was also agreed to send a response liaison (T1P1/2002-084) to Committee T1 TSC T1A1 regarding input to a technical requirement on Emergency Telecommunications Services. This liaison was approved without comment.

Ms. Garapaty requested approval to send a liaison to the US Study Group on input to ITU-T SSG for Q1741-2. She noted that the Chair of this group was Jamie Ennis, but they do not yet know the Study Group's title due to reorganization within the ITU-T. Attached to this liaison would be

274 T1 specifications for input to ITU-T. Both the specifications and the liaison (T1P1/2002-085) were approved without comment.

Ms. Garapaty noted that the following dates were recommended for the 2003 meetings of T1P1:

February 4-7, 2003
 April 29-May 2, 2003
 July 29-August 1, 2003
 November 4-7, 2003

These dates were approved by T1P1 participants for the 2003 meetings of T1P1 without objection. Chairman Chatterjee noted that he would submit these requested dates to the Secretariat for planning purposes.

10 T1P1.4 Wireless Wideband Internet Access

Mel Woinsky (Tantivy), the Chair of T1P1.4, presented T1P1/2002-079, a report on the activities in T1P1.4

Mr. Woinsky noted that T1P1.4/2002-037 (I-CDMA Stage 3) had been reviewed at the interim meeting and remanded to the July 22, 2002 session of T1P1.4. The document was discussed and T1P1.4 recommends it be forwarded for T1 Letter Ballot (T1P1/2002-082/T1P1.4/2002-037) as an ANSI Standard. This document was approved for letter ballot without objection.

Mr. Woinsky reported that Navini Networks presented its response (T1P1.4/2000-42r1) to the action items assigned to it from the May 2002 T1P1.4 meeting that showed that its technology met the WWINA requirements and had independent performance verification. Therefore, this technology was qualified for consideration in WWINA. It was agreed in T1P1.4 that Navini Networks had met the required qualifications, and their technology, MCSB, was accepted with no objections into T1P1.4 as a WWINA technology.

Mr. Woinsky requested an interim meeting of T1P1.4 on September 18, 2002 at 1 p.m. Eastern Time. This meeting would be held to address any ballot comments received on the I-CDMA Stage 3 document and discuss any additional documents on MCSB. This interim meeting was approved without objection.

11 Other Business

11.1 Results of the discussion with the 802.16 Representatives

The Chair presented T1P1/2002-080, a report on the meeting between T1P1 and the representatives of IEEE 802.16. He noted that Roger Marks (Chair of IEEE 802.16) and Mark Klerer attended this meeting to discuss possible overlapping work between T1P1 and IEEE 802.16. The Chair noted that Mr. Marks had provided T1P1/2002-087, a detailed presentation on the activities in 802.16, and he noted two new areas of work. New work had started regarding the extension of Standards in 802.16 to include mobility issues. Additionally, 802 has formed an Executive Study Group to address Mobile Broadband Wireless Access.

The Chair reported that T1P1 experts had been invited by Mr. Marks to give a presentation on 'hand-off' issues to the next meeting of IEEE 802.16. The Chair had invited Mr. Marks to provide T1P1 with a proposal suggesting IEEE's views on shared interests and potential areas of cooperation. The Chair informed T1P1 that an invitation had been extended to Mr. Klerer to bring the work on Mobile Broadband Wireless Access into T1P1, and Mr. Klerer would share this invitation with the participants of the newly formed Executive Study Group under 802.

11.2 T1P1 Presentation at the Summit on Signaling for VoIP

These T1P1 Meeting Minutes are draft and subject to change and approval at the next T1P1 meeting. Any such changes will be reflected in the "Approval of the Meeting Minutes" section of the subsequent T1P1 Meeting Minutes.

The Chair reported that Ms. Garapaty would be giving a report on behalf of T1P1 at the upcoming SVoIP summit in Washington, DC, August 13-14, 2002. He noted that several participants had expressed their interest in attending this summit, and he encouraged all T1P1 members to attend. He referred participants to the T1 Website for registration information.

12 Next T1P1 Meeting

The next T1P1 meeting will be hosted by Committee T1 and will be held November 5-8, 2002 in San Diego, California. The meeting details can be found posted to the T1 web site in T1P1/2002-070.

The T1P1 Leadership meeting, open to all, will be held Tuesday evening, November 5, 2002 beginning at 5:30 p.m. When making travel arrangements please remember that the meetings will begin on Tuesday morning.

13 Adjournment

The Chair thanked ATIS and Committee T1 for the wonderful location and facilities.

Having no further business, he declared the meeting adjourned at 10:11 a.m. MT.

Nicole Butler
Committee Administrator

T1P1 ATTENDANCE JULY 26, 2002

Initial Quorum	Present	Member Company	First Name	Last Name	Designation	Designee Name
1	1	Alcatel USA Inc.	Francois	Courauu	VR	Nicole Butler
		Alcatel USA Inc.	Laurent	Cruchant	VA	
1	1	AT&T Wireless Services, Inc.	Peter	Musgrove	VR	
		AT&T Wireless Services, Inc.	Brian	Daly	VA	
	1	BellSouth Telecommunications	Gregory	Wos	VR	Don Zelmer
1	1	C.S.I. Telecommunications	Michael S.	Newman	VR	Asok Chatterjee
		C.S.I. Telecommunications	Thomas G.	Croda	VA	
1	1	Cingular Wireless LLC	Don	Zelmer	VR	
		Cingular Wireless LLC	Marc	Grant	VA	
		Conexant Systems, Inc.	Quentin C.	Cassen	VR	
1	1	Conexant Systems, Inc.	Arun	Arunachalam	VA	
		Cyneta Networks	Spencer	Dawkins	VR	
		Cyneta Networks	Jogen	Pathak	VA	
1	1	Defense Info. Systems Agency	Chris	Fitzgerald	VR	
1	1	Ericsson Incorporated	Stephen	Hayes	VR	
		Ericsson Incorporated	Pierre	Truong	VA	
		FBI CALEA Implementation Se	Lou	Degni	VR	
1	1	FBI CALEA Implementation Se	Don	Codling	VA	
		Harris Corporation	Marlis	Humphrey	VR	
		Intelsat	Mark T.	Neibert	VR	
1	1	InterDigital Communications	Brian	Kiernan	VR	
		InterDigital Communications	Gil	LaVean	VA	
		LG Sansys, Inc.	Hee Joung	Lee	VR	
		LG Sansys, Inc.	Chan Ho	Kyung	VA	
1	1	Lucent Technologies	Robert B.	Beeson	VR	
		Lucent Technologies	Jane	Brownley	VA	
		Microcell Connexions	Venkatesh	Sampath	VR	
		Microcell Connexions	Besma	Smida	VA	
1	1	Motorola Inc.	Brye	Bonner	VR	
1	1	National Communications System	Jean	Trakinat	VR	
		National Communications System	Nicholas	Andre	VA	
		Navini Networks	Kenneth W.	Davey	VR	
		Navini Networks	Mark	Beaton	VA	
1	1	NEC America Incorporated	Dia	Helmy	VR	
		Nokia Telecommunications Inc.	Chris	Wallace	VR	
1	1	Nokia Telecommunications Inc.	Ed	Ehrlich	VA	
		Nortel Networks	Subhash	Patel	VR	
1	1	Nortel Networks	Ronald D.	Ryan	VA	
1	1	Panasonic-MMCD	Mike	Karimian	VR	
		Panasonic-MMCD	Rob	Winstanley	VA	
		Paradyne Corporation	Phil	Kyees	VR	
1	1	Qualcomm Incorporated	Mark	Epstein	VR	Wing Yeung
		Qualcomm Incorporated	Ed	Tiedemann	VA	
1	1	Qwest	Richard	Prince	VR	
		Qwest	James L.	Eitel	VA	
		Rogers Wireless Inc.	Edward	O'Leary	VR	
1	1	Rogers Wireless Inc.	Tak Wing	Wan	VA	
		SBC Communications, Inc.	Randolph	Wohlert	VR	
		SBC Communications, Inc.	Chuck	Bailey	VA	
1	1	Siemens Info & Comm Ntwks, I	Stephen	Edge	VR	Tony Cheau
		Siemens Info & Comm Ntwks, I	Frank	Gay	VA	
		Sprint - Long Distance Div.	Mark L.	Jones	VR	
1	1	Tantivy Communications	Mel	Woinsky	VR	

T1P1 ATTENDANCE JULY 26, 2002

		Tantivy Communications	Clifton J.	Barber	VA	
1	1	Telcordia Technologies	Jim	Garrahan	VR	
		Telcordia Technologies	Cliff	Halevi	VA	
		Tellabs Operations, Inc.	Brian	Yarger	VR	
		Tellabs Operations, Inc.	Joel	Butz	VA	
		TruePosition Inc.	Thomas	Ginter	VR	
		TruePosition Inc.	Rhys	Robinson	VA	
		Verizon Communications	Wendy	Pugh	VR	
		Voicestream Wireless Corp.	Gary K.	Jones	VR	
1	1	Voicestream Wireless Corp.	Mark	Younge	VA	
		Voyan Technology	Michail	Tsatsanis	VR	
		Voyan Technology	Rolf	Fiebrich	VA	
23	24					

Quorum Requirement = 13

Observer Members

		Member Company	First Name	Last Name	Designation	
		Acterna	Michael	Lewis	O	
		AirNet Communications Corp.	Terry	Williams	O	
		Beatnik, Inc.	Chris	Grigg	O	
		Bell Canada	P. Norman	Smith	O	
		CDMA Development Group	Sam	Samra	O	

T1P1 ATTENDANCE JULY 26, 2002

	Cisco Systems	Cedric	Druce	0	
	Compaq Computer Corp.	John L.	Schantz	0	
	Crosskeys Systems Corp.	Peter	Cook	0	
	dynamicsoft Inc.	Dean	Willis	0	
	Fujitsu America Inc.	Hirohiko	Yamamoto	0	
	Inmarsat	Roy	Blane	0	
	Juniper Networks, Inc.	Elizabeth	Lytle	0	
	Next Level Communications	Sabit	Say	0	
	OPNET Technologies, Inc.	P. Taylor	Salman	0	
	RealNetworks	Brandon	Milner	0	
	SnowShore Networks, Inc.	Eric	Burger	0	
	Symmetricom Inc.	Don	Skipwith	0	
	Tekelec Inc.	Virgil	Long	0	
	Tellium, Inc.	Krishna	Bala, PhD	0	
	WorldCom	John	Gallant	0	
	Zarlink Semiconductor	Maamoun	AbouSeido	0	

T1P1 Plenary Attendees
Westminster, Colorado
July 26, 2002

Name	Organization	Phone#	E-Mail Address
Stephen Hayes	Ericsson Inc.	972-583-5773	Stephen.hayes@ericsson.com
Mel Woinsky	Tantivy	732-870-8029	Mel@woinsky.com
Wing Yeung	Qualcomm Inc.	858-587-1121	
Peter Musgrove	AT&T Wireless Services	425-580-6875	Peter.musgrove@attws.com
Don Zelmer	Cingular Wireless LLC	404-236-5912	Don.zelmer@cingular.com
Chris Fitzgerald	Defense Information Systems	732-427-6884	Fitzgerc@ftm.disa.mil
Pierre Troung	Ericsson	972-583-5633	Pierre.truong@am1.ericsson.se
Brian Kiernan	InterDigital Communications	610-878-5637	Brian.kiernan@interdigital.com
Robert Beeson	Lucent Technologies	623-572-4715	Rbeeson@lucent.com
Brye Bonner	Motorola Inc.	847-576-5920	Brye.bonner@motorola.com
Jean Trakinat	National Communications Systems	703-607-6113	Trakinaj@ncs.gov
Damodar Anandampillai	NEC America	214-262-3246	danandampillai@necam.com
Edward Ehrlich	Nokia Telecommunications	972-894-4495	Ed.ehrlich@nokia.com
Selvan Rengasami	Telcordia Technologies	732-758-5260	Srengasa@telcordia.com
Ron Ryan	Nortel Networks	972-684-5444	Rryan@nortelnetworks.com
Donald Codling	FBI/CIS	703-814-4805	Dcodling1@askcalea.net
Mike Karimian	Panasonic-MMCD	770-338-6246	Mkarimian@panasonicatlanta.com
Arun Arunachalam	Conexant Systems	949-483-9601	Arun.arunachalam@conexant.com
Richard Prince	Qwest	303-707-7030	Rprince@uswest.com
Jim Garrahan	Telcordia Technologies	732-758-5227	Jgarraha@telcordia.com
Tak Wing Wan	Rogers Weireless	416-935-6029	Twwan@rci.rogers.com
Tony Cheau	Siemens Info & Comm Ntwks		
Mark Younge	Voicestream Wireless	760-918-1634	Mark.younge@voicestream.com
Steve Mills	Hewlett-Packard	408-447-3426	Steve_mills@hp.com
Ben Levitan	TSI Telecommunication Services	919-782-7442	Blevitan@tsiconnections.com
Sonia Garpaty	Nortel Networks	972-685-5110	Sonia.garapaty@nortelnetworks.com
Asok Chatterjee	Ericsson	925-737-5849	Asok.chatterjee@ericsson.com
Nicole Butler	ATIS	202-662-8663	Nbutler@atis.org

Meeting Report
Working Group T1P1.2 GSM/3G Radio
Westminster, Colorado
July 23-25, 2002

Title: Meeting Report

Source: T1P1.2 Chair
Don Zelmer, Cingular Wireless LLC

The T1P1.2 and T1P1.3 met jointly, Tuesday, July 23, 2002. This meeting was convened by T1P1.2 Chairman, Don Zelmer and Chairwoman, Sonia Garapaty. The agenda for the joint meeting can be found in, T1P1.2/2002-86 which was approved by the group. Details of this joint meeting are presented within the T1P1.3 Report (2P100780).

T1P1.2 and TR46.2 met jointly for a half day, Wednesday, July 24, 2002. This meeting was convened by Chairman, Don Zelmer and TR46.2 Chairman, Andrew Clegg. The agenda for the joint meeting can be found in, T1P1.2/2002-88 and was approved by the group. Details of this joint meeting are presented within report T1P1.2/2002-092 which includes the attendance list.

T1P1.2 meeting continued Wednesday afternoon, convened by Chairman, Don Zelmer. The agenda for the T1P1.2 meeting can be found in, T1P1.2/2002-085, was updated and approved by the group. The list of attendees can be found in Annex A

Announcements:

Meeting Wednesday , 24 July concerning 802.16 at 4:00 PM
US Friends of 3GPP Wednesday, 24 July at 5:45 PM
T1P1.2 and TR46.2 will meet jointly Wednesday morning at 8:30 AM – Noon

IPR Question

Other than reaffirming their company's previously stated positions, does anyone wish to make any statement regarding IPR on standards being worked in this committee?

No comments received the group.

Liaisons

T1P1/2002-121, a document from the ITU WP 8F was received.

Meeting Report
Working Group T1P1.2 GSM/3G Radio
Westminster, Colorado
July 23-25, 2002

Joint Meeting Report

After the joint meeting of T1P1.2 and T1P1.3 on Tuesday, several documents were determined to be reviewed by T1P1.2. Those documents follow:

T1P1.3/2002-151, which is an ITU Doc. 8F/453 whose title is -WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT NEW REPORT ON COEXISTENCE BETWEEN GSM/~~ANSI~~-136/~~ANSI~~-95 AND WCDMA SYSTEMS IN THE 1.9 GHZ pcs band

The group reviewed the document and found nothing particularly wrong with either the conclusions. The document was noted.

T1P1.3/2002-152, Source: 8F/489 Attach 8.13 and 8F/688 preliminary draft new report on characteristics of terrestrial imt-2000 systems for frequency sharing/interference analyses

The group reviewed the document which was mainly changes to TD-SCDMA.

The document was noted.

T1P1.3/2002-159, Working Party 8F Working Group vision DG2, working document towards a preliminary draft new report - Technology trends

The PDNR was reviewed and noted by the group

T1P1.3/2002-153 Working Party 8F R-TECH, DG2 information to be made available to external organization REGARDING the UPDATE OF rEC. ITU-R m.1079-1. This was a request for external organizations to review and submit corrections concerning 1079. **After consideration by the group, a liaison was crafted ([T1P1/2002-089](#)) and is being presented for approval to be moved forward to T1A1.**

RSPC Update

In late May, the 3GPP MCC notified T1P1 that they believed there were 8 errors in our submission to the RSPC update to the ITU WP 8F. After researching the situation it was determined that 4 editorials were necessary, and 1 document had been left out of the submission. Both T1P1.2 and T1P1.3 have approved the proposed modifications and proposed liaison to the Committee T1 Chair.

Meeting Report
Working Group T1P1.2 GSM/3G Radio
Westminster, Colorado
July 23-25, 2002

T1P1/2002-090 is the liaison to the Committee T1 Chair, and document to be submitted to ITU is T1P1/2002-094.

Both liaison [T1P1/2002-090](#) and ITU submission [T1P1/2002-094](#) are both submitted for approval by T1P1.

[T1P1/2002-095](#) was reviewed and the group determined that there would be a problem with the update of revision 3 to RSPC in April 2003 if 3GPP TSG RAN determined in September that the December 2002 output would be the specifications that were to be put forward into the ITU in the April 2003 time frame. A liaison was crafted (T1P1/2002-091) to Francois Coureau, Chair of TSG RAN concerning the problems with ITU deadlines of 1 April 2003 and a possible December specification output to the SDO's from the MCC.

T1P1.2 requests approval of liaison [T1P1/2002-091](#) to Francois Coureau.

ITU Implementation Handbook

The Chair of T1P1 was able to get the approval of ITU for T1P1.2 to review the implementation handbook that is currently being worked in the ITU WP8F. Several editorial issues were discovered but very little time was available for editing the document. The Chair of T1P1.2 requested that everyone interested should forward the changes to the T1P1.2 Chair by the end of the day on Monday 29 July, 2002. **T1P1.2 requests prior approval for the editorial changes to be approved by T1P1 for submission to the ITU Handbook editorial website.**

Miscellaneous

The Chair of T1P1.2 announced the following:

In the HSDPA efforts that are currently going on in TSG RAN, an effort is being made to remove the mandatory requirement on the UE for 16 QAM. If any company is interested, that effort is moving forward in RAN WG's 1 and 4. WG4 meets in Helsinki in mid August and WG1 meets in Seattle the next week.

The Study Item for OFDM is currently being worked in RAN.
MBMS is starting to gather momentum

The Calendar for meetings for 2003 was agreed as presented by the T1P1.3 Chair.

Meeting Report
Working Group T1P1.2 GSM/3G Radio
Westminster, Colorado
July 23-25, 2002

T1P1.2 & TR46.2 Joint Meeting Schedule
November 6, 2002

Adjourn

Adjournment of T1P1.2 was at 11:10 am.

Meeting Report
Working Group T1P1.2 GSM/3G Radio
Westminster, Colorado
July 23-25, 2002

Annex A: T1P1.2 Attendance List

Name	Company	Email
Andrew Clegg	Cingular	Andrew.clegg@cingular.com
Arun Arunachalam	Skyworks	Arun.arunachalam@skyworksinc.com
Brain Kiernan	Interdigital	Brian.kiernan@interdigital.com
Chris Fitzgerald	DISA	fitzgerr@ftmedisa.mil
Domadar Anandampillai	NEC America	danandampillai@necam.com
Donald E. Zelmer	Cingular	Don.zelmer@cingular.com
Ed Ehrlich	Nokia	Ed.ehrlich@nokia.com
Gil LaVean	InterDigital	laveange@intrepid.net
Gil LaVean	Interdigital	laveange@intrepid.net
Jean C. Trakinat	NCS	trakinaj@ncs.gov
Jim Garrahan	Telcordia Technologies	j.garrahan@telcordia.com
Mark Beaton	Navini	mbeaton@navini.com
Mark Klerer	Flarian	m.klerer@flarian.com
Mark Younge	VoiceStream	Mark.younge@voicestream.com
Mike Karimian	Panasonic	mkarimian@panasonicatlanta.com
Quent Cassen	Conexant	Cassen@ieee.org
Sadao Takenaka	FNC	Sadao.takenaka@fnc.fujitsu.com
Stephen Hayes	Ericsson	Stephen.hayes@ericsson.com
Steve M. Mills	Hewlett Packard	Steve_mills@hp.com
T.W. Wan	Rogers Wireless	TWWAN@rcirogers.com
Taylor Salman	Opnet	tsalman@opnet.com
Tim Riley	US Dept of Commerce NTIA/ITS	Triley@its.bldrdoc.gov
Tony Chu	Siemens	Tony.chu@icm.siemens.com
Wing-Cheong Yeung	Qualcomm	wyeung@qualcomm.com

**T1P1.3 GSM/3G System and Network Working Group
Meeting Summary
July 23 - 25, 2002
Westminster, CO**

Attendees: Approximately 15

Meeting Schedule: The T1P1.3 GSM/3G System and Network Working Group met for 2 days. Sonia Garapaty of Nortel Networks chaired the meeting.

The approved T1P1.3 agenda (139r2) and attendance sheets are attached as Annexes 1 and 2, respectively.

A Joint T1P1.2 / T1P1.3 meeting was held on Tuesday July 23. The approved agenda (149r2) and attendance sheet are attached as Annexes 3 and 4, respectively.

Contributions: T1P1.3 addressed 71 contributions. The meeting was held electronically, with all of the contributions available in electronic format. The document log is in Tdoc 211.

Working Method: The working group's activities were conducted in plenary sessions.

IPR Question:

Other than reaffirming their company's previously stated positions, does anyone wish to make any statement regarding IPR on standards being worked in this committee?

No response.

Joint Meeting with T1P1.2 - July 23, 2002

1. The chairs made the following announcements:

- Meeting Wednesday, 24 July concerning 802.16 at 4:00 PM
- US Friends of 3GPP Wednesday, 24 July at 5:45 PM
- T1P1.2 and TR46.2 will meet jointly Wednesday morning at 8:30 AM - Noon
- Miscellaneous Announcements

2. IPR Question

Other than reaffirming their company's previously stated positions, does anyone wish to make any statement regarding IPR on standards being worked in this committee?

No response.

3. Correspondence

- Update on Company Code Matters (141). Letter to ATIS regarding the pending exhaust of numeric Company Codes that NECA assigns for the industry.
- Response Liaison from IEEE 802.16 (142). The Chairman of IEEE 802.16 accepted T1P1's invitation to attend this weeks T1P1 meeting. An afternoon session has been scheduled for Wednesday afternoon at 4 pm.
- Letter from T1A1 on request for input on Emergency Telecommunication Services TR (144). T1A1 is developing a new T1 Technical Report, "Roadmap for the Development of the Emergency Telecommunications Service (ETS) in Evolving Networks." The purpose of the new TR is to define a broad architecture for emergency telecommunications. The TR will define the requirements for ETS, describe current ETS standardization activities, and summarize the responsibilities and plans of each of the T1 TSCs in this vital area.
T1A1 request that the T1 TSC's provide input to the subject TR. T1P1 needs to review the TR and provide input to T1A1 at this meeting.

- Committee T1 announcement of the Signalling for VoIP Summit sponsored by ATIS (206). Ms. Sonia Garapaty will be presenting at the summit on behalf of T1P1 and 3GPP.

4. ITU Related Matters

4.1. ITU-R WP 8F **150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165**

Note to the IMT-2000 Project Manager – International Mobile Equipment Identity (150). The group reviewed the note and the future activities with no comments. It was noted that if there were any issues then they would be addressed by 3GPP.

Procedures for Conclusion of PDNR M.[IMT-VIS] (158). WG Vision believes that in principle the PDNR is ready for approval by WP 8F but that editorial polish is needed to bring it up to the expected level needed for an ITU-R Recommendation. WG Vision recommends that WP 8F agree on some procedures for the finalization of PDNR M.[IMT.VIS] in the 9th meeting, Geneva, 25 September - 2 October 2002. The group reviewed the procedures with no comments.

ITU-R PDNR M.[IMT-VIS (641-E R15)] - Preliminary draft new Recommendation (PDNR): Vision framework and overall objectives of the future development of IMT-2000 and of systems beyond IMT-2000(162). The goal is to have this PDNR approved at the next WP8F meeting. The group reviewed the PDNR with no comments.

The following documents were provided for information:

- Working Document towards a preliminary draft new Report on Co-existence between GSM/ANSI-136/ANSI-95 and WCDMA systems in the 1.9 GHz PCS band (151). TR46.2 needs to review this document.

To be discussed further at the T1P1.2/46.2 joint meeting.

- Preliminary Draft New Report on characteristics of terrestrial IMT-2000 systems for frequency sharing/interference analyses (152). TR46.2 needs to review this document.

To be discussed further at the T1P1.2/46.2 joint meeting.

- Information to be made available to external organization regarding the update of Rec. ITU-R M.1079-1 (153). It was agreed to forward this document to T1A1 for review.

Liaison to T1A1 to be reviewed at the T1P1.2 meeting.

- Circular Letter on Research (154).
- WP8F DEVELOPING Meeting Report (155).
- WP8F SAT-COORD Group Meeting Report (156).
- WP8F R-TECH Group Meeting Report (157).
- Working Document towards a Preliminary Draft New Report on Technology Trends (159).
- Preliminary Draft Recommendation ITU-R M.1224 - Vocabulary of terms for International Mobile Telecommunications-2000 (IMT-2000) (160).
- Meeting Report of Ad Hoc Voc (161).
- ITU-R WP8F Ad-Hoc Workplan Report (163). The report contains an informative figure describing the WP8F Long Range Work Program.
- ITU-R WP8F Working Group SPECTRUM - Meeting Report (164).
- ITU-R WP8F Working Group Vision - Meeting Report (165).

- 4.2. The group reviewed a liaison from ITU-T SSG on the Progress at the Ottawa meeting (143). SSG has completed its work on its first deliverable, ITU-T PDNR: Long-Term Vision of Network Aspects for Systems Beyond IMT-2000 (Q.1702).

5. T1P1 Issues

- 5.1. Jim Garrahan, Chair of the 3GPP SA1 Wireless Priority Services (WPS) working group, provided a brief report on the status of WPS work in 3GPP. The WPS Technical Report (191) was provided for information. It was noted that WPS is part of the 3GPP Release 6 specifications.
- 5.2. Brye Bonner provided a summary of the TR45.2 AHES activities. TR45.2 AHES will be requesting a project number to standardize routing of emergency services messages to the public

safety answering point based on location of the calling party. A liaison from TR45.2 AHES (207) requests a response from T1P1 on whether or not T1P1 wished to participate in this new project.

Additionally, AHES may also discuss the recent FCC order which states that call back number for non-initialized mobiles without a callback number will be 123.456.7890. The J-STD-036 informative annex suggests the callback number should be 911+IMEI/ESN. There is some consideration that this annex should be normative.

It was noted that routing based on position is not mandated by the FCC.

TIA is the lead standards group on J-STD-036. The group agreed that T1P1 should participate in the new project of updating J-STD-036 by interested T1P1 delegates participating in the TR45.2 AHES meeting.

It was agreed to send a response liaison to TR45.2 AHES.

Liaison to TR45.2 AHES to be reviewed at the T1P1.3 meeting.

Details of the next TR45.2 AHES conference call are as follows:

When: July 31, 2002 at 3pm ET

Duration: 2 hours, max.

How: Dial 1-858-651-4982. At the prompt dial '1' and then dial the meeting id number followed by the octothorpe (2212695#). You will be asked to speak your name.

5.3. Location Services **140r1, 193**

The group reviewed a liaison from NENA to T1S1 on the inclusion of additional shapes describing calling party's location to T1.628 (140r1). The consensus decision by NENA was to retain the existing shapes as defined in T1.628, i.e. not to include the additional shapes proposed by T1P1. The decision was based on the lack of statistical data to support the assertion that exclusion of these shapes will result in degradation of accuracy.

It was commented that there are currently no statistics to back up whether these shapes are needed to meet the E911 Phase II requirements.

It was agreed that T1P1 cannot do anything further on this issue without any statistical data.

Work Item for Location Services enhancements in Release 6 (193), approved at the June 3GPP plenary, was provided for information.

5.4. The T1P1.2 Chairman presented a delta document on the RSPC Update (T1P1.2/2002-110), which listed 4 missing specifications and some errors from our RSPC update which we submitted to ITU-R at the last T1P1 meeting. T1P1 will be asked to approve the four specifications at the T1P1 plenary on July 26, 2002.

5.5. The group reviewed the new TR from T1A1 on Emergency Telecommunication Services (145) with no comments. The group felt the text provided in the T1P1 sections 7.1.4 and 8.4 are sufficient.

It was agreed to send a response Liaison to T1A1.

Liaison to T1A1 to be reviewed at the T1P1.3 meeting.

5.6. The group reviewed two liaisons related to T1P1's PCS1900 Standards Update initiative:

- 1) Liaison from ITU-T SSG requesting input from SDOs on the referencing of the Release 4 core network specifications for Q.1741.2 (147);
- 2) Liaison from 3GPP CN on coordination of SDO input to ITU-T Q.1741-2 (148). The liaison contains a list of 274 specifications and versions, which the CN ITU-T Coordination Ad-Hoc recommends, is the base for the SDO responses to ITU-T.

T1P1 will seek approval of the 274 3GPP specifications as T1 specifications at the T1P1 plenary on July 26th. T1P1 will send a liaison to ITU-T SSG indicating the document number, version, issue date and location of the T1 specifications.

Liaison to ITU-T SSG to be reviewed at the T1P1.3 meeting.

5.7. The T1P1.2 Chair presented the Joint 3GPP 3GPP2 Spatial Channel Modeling AHG Status Report (T1P1.2/2002 – 089) for information.

6. 3GPP Reports 189, 190, 196, 197, 198, 200 – 205, T1P1.2/2002 – 105, 106, 107, 108

The following documents were provided for information:

- 3GPP Specification List (189)
- Vodafone Contribution on Methods to handle early mobiles (190)
- 3GPP Workplan (196)
- 3GPP MCC Report (197)
- 3GPP Calendar (198)
- 3GPP Specification 21.101 contains a list of the UMTS R99 specifications (200).
- 3GPP Specification 21.102 contains a list of the UMTS Rel4 specifications (201).
- 3GPP Specification 01.01 contains a list of the GSM R99 specifications (202).
- 3GPP Specification 41.102 contains a list of the GSM Rel4 specifications (202).
- 3GPP Specification 21.103 contains a list of the GSM Rel5 specifications (202).
- 3GPP Specification 41.103 contains a list of the GSM Rel5 specifications (202).
- History of the Study Item sheets in TSG-RAN (T1P1.2/2002 – 105)
- Latest situation of the Study Item sheets in TSG-RAN (T1P1.2/2002 – 106)
- History of the Work Item sheets in TSG-RAN (T1P1.2/2002 – 107)
- Latest situation of the Work Item sheets in TSG-RAN (T1P1.2/2002 – 108)

6.1. The group reviewed 2 liaisons related to IP Harmonization:

- 1) An open letter to the Chairmen of 3GPP & 3GPP2 from the OHG Chairman (180). This liaison was discussed at the last 3GPP PCG. The PCG asked 3GPP CN to implement the accords of the IP CN Harmonization workshop.
- 2) Stephen Hayes, 3GPP CN Chairman, presented a LS from 3GPP CN to 3GPP SA on the CN Recommendations for implementing CN Harmonization (181). The liaison makes several recommendations on how 3GPP and 3GPP2 should work together. The recommendations were approved by 3GPP SA, with the exception of the last sentence in the 3rd bullet.

6.2. Asok Chatterjee stated that the PCG had received 2 applications for 3GPP MRP status – 3G Americas, CDG. Only 3G Americas was accepted.

6.3. Don Zelmer, 3GPP RAN Vice Chair, presented the 3GPP RAN report to the SA #16 meeting (170).

Additionally the following were presented for information:

- Document from 3GPP RAN Chairman on the Guidance for R99 CRs for TSG RAN WGs for Core Specifications (T1P1.2/2002 - 087).
- 3GPP TR on OFDM for UTRAN Enhancement (T1P1.2/2002 - 097) for information.

6.4. The T1P1.2 Chairman presented the 3GPP GERAN status report to the SA #16 meeting (171). The draft GERAN #10 meeting report (169) was provided for information.

6.5. Stephen Hayes, 3GPP CN Chair, presented the 3GPP CN status report to the SA #16 meeting (173). It was noted during discussion of the report that IMS for Release5 has been completed except for a few remaining open items.

The list of the Release 5 IMS Open Items (185) was provided for information.

6.6. Ed Ehrlich, 3GPP T Vice Chair, presented the 3GPP RAN status report to the SA #16 meeting (172).

6.7. Report from 3GPP TSG SA 166, 167, 168, 174, 175, 176, 177, 178, 179, 184, 186, 187, 192, 193, 194, 195, 199

The T1P1.2 and T1P1.3 Chairs presented the draft report of the 3GPP SA #16 meeting (168).

Additionally the group reviewed:

- 3GPP SA5 liaison on OAM&P Standardization to GSM North America with cc: T1P1 (179).
- 3GPP Proposed ToR and Agenda for the kick-off meeting of the Future Evolution Ad Hoc meeting. A half-day on Monday at 4 pm will be allocated during the TSG SA#17 meeting.

The remaining 3GPP TSG SA documents will be discussed at the T1P1.3 meeting.

- 6.8. The T1P1.3 Chair presented a liaison from ITU-T SG16 (182) on a new proposed question to serve as an umbrella for the work in ITU-T for the development of global standards to support an Emergency Telecommunications Service (ETS).

Jim Garrahan presented the SA1 Response liaison (183) stating SA1's position on their current activities related to emergency telecommunications service.

7. Other Business

- 7.1. Due to lack of time the WLAN presentation (T1P1.2/2002 – 093) was not presented during the joint meeting.
- 7.2. The group discussed the meeting Dates for 2003. The group recommends the following T1P1 meeting dates for 2003:
- Jan. 28 – 31
 - Apr. 29 – May 2
 - July 29 – Aug. 2
 - Oct. 14 – 17

T1P1.3 Meeting – July 24 - 25, 2002

1. The 3GPP SA1 WPS Technical Report 22.950 v2.0.0 (191) was provided information. Jim Garrahan stated that there are still some outstanding issues that need to be resolved by SA1, in particular it is unclear whether new 3GPP TSs will be created or CRs to existing 3GPP TSs, e.g. eMLPP specifications. WPS will be included in Rel6.
2. The group reviewed the draft 3GPP TSG SA#16 meeting report (168) and noted the following:
 - The principle to withdraw the IP Framework document from Release 5 was approved. Stephen Hayes reported that the document is actually stalled within 3GPP SA WG1.
 - 3GPP SA2 continues to work on location services.
 - SA3 lawful intercept document which T1P1 SAH has been contributing towards was approved for Rel5.
 - Ms. Ileana Leuca stepped down as IETF Co-ordinator and the role would be continued as part of the work currently performed by Stephen Hayes (TSG CN Chairman).

Additionally, the following 3GPP SA documents were provided for information:

- List of the 3GPP TSG SA#16 meeting documents (166).
 - Status of the 3GPP TSG SA#16 meeting documents (167).
 - 3GPP SA WG1 status report (174).
 - 3GPP SA WG2 status report (175).
 - 3GPP SA WG3 status report (176).
 - 3GPP SA WG4 status report (177).
 - 3GPP SA WG5 status report (178).
 - Updated Work Item Description on Speech Recognition Framework (192). It was noted that most of the work will be done in 3GPP SA4.
 - Rel5 draft TS 32.225 v1.5.0 on Charging data description for the IP Multimedia Subsystem (194).
 - TS 33.108 v 2.0.0 on Handover Interface for Lawful Interception. Approved for Rel-5 at the SA #16 plenary.
3. Doc #184 LIF (Location Interoperability Forum) specification provided to SA and noted (commercial equivalent for the 'e' interface in J-STD-036). Bob Beeson – LIF doc has defined an E911 interface. TS 23.271 references LIF doc (which one can do if it is a public document). LIF may join Open Mobile Alliance group.

4. Liaison from TV-Anytime Forum (186). The forum is responsible for developing open specifications for interoperable and integrated systems that will allow broadcasters and other service providers, consumer electronics manufacturers, content creators and telecommunications companies to most effectively utilize high-volume digital storage in consumer devices. TV-Anytime Forum would like to establish a permanent liaison with 3GPP.

3GPP SA sent a response liaison (187) inviting the TV-Anytime Forum to clarify the precise nature of the proposed liaison activity to the next 3GPP SA1 meeting.

It was noted that 3GPP SA1 has started studying rights management content distribution over the wireless networks.

5. It was agreed at the joint meeting to send a response liaison to the liaison from TR45.2 on T1P1 Participation in the further development of J-STD-036 (207). The group reviewed a draft liaison (208) to TR45.2. After discussion and modification (208r1) it was agreed to take the liaison forward to T1P1 for approval.

T1P1 is invited to review and approve this draft liaison ([T1P1/2002 – 083](#))

6. It was agreed at the joint meeting to send a response liaison to the liaison from T1A1 on input to TR on Emergency Telecommunications Services (144). The group reviewed a draft liaison (209) to T1A1. After discussion and modification (209r1) it was agreed to take the liaison forward to T1P1 for approval.

T1P1 is invited to review and approve this draft liaison ([T1P1/2002 – 084](#))

7. The group reviewed a draft liaison to the U.S. Study Group on input to ITU-T SSG for Q.1741-2 (210). Attached to the liaison is the input to the ITU-T SSG. T1P1 requests that U.S. SG consider and forward the input to ITU-T SSG. After discussion and modification (210r1) it was agreed to take the liaison forward to T1P1 for approval.

T1P1 is invited to review and approve this draft liaison ([T1P1/2002 – 085](#))

8. Mark Younge gave the group a presentation on Wireless Local Area Networking (WLAN) 101 (T1P1.2/2002 – 093). It was noted that WLAN is a Rel6 work item in 3GPP. The feasibility study is contained in 3GPP TR 22.934.
9. The group discussed the 2003 T1P1 meeting dates agreed at the joint meeting. Due to conflicts with a 3GPP SA1 meeting, it was agreed to move the proposed Oct. 14 – 17 meeting date to Nov. 4 – 8.

Plenary Requests

- ? Approve a liaison to TR45.2 on T1P1 Participation in the further development of J-STD-036. **(T1P1/2002 – 083)**
- ? Approve a liaison to T1A1 on input to TR on Emergency Telecommunications Services. **(T1P1/2002 – 084)**
- ? Approve a liaison to U.S. Study Group A on input to ITU-T SSG for Q.1741-2. **(T1P1/2002 – 085)**

Meeting Schedule for the next meeting

Next meeting is Nov. 5 – 8 , 2002 in San Diego, CA. Meeting notice is included in T1P1/2002 – 070. T1P1.2 and T1P1.3 will meet jointly on Tuesday beginning at 9:00 AM and continue until all joint activities are completed, after which each of the working groups will run their meetings in parallel through Thursday noon. T1P1.2 and T1P1.3 will then have their closing plenaries sequentially on Thursday afternoon. The T1P1 plenary will be held on Friday morning.

Annex 1

T1P1.3 GSM/3G System and Network Proposed Agenda July 23 - 26, 2002 Westminster, CO

1. Joint meeting with T1P1.2 (9:00 AM)
2. Recess from Joint Meeting and reconvene separately
3. Introductions and Attendance Registration
4. Approval of the Agenda **139R2**
5. Announcements:
 - 5.1. Joint meeting of T1P1.2/TR46.2 on Wednesday 07/24
 - 5.2. Closing Session (Thursday after T1P1.2 closing)
6. IPR Question
Other than reaffirming their company's previously stated positions, does anyone wish to make any statement regarding IPR on standards being worked in this committee?
7. Review and Attribution of Contributions
8. Correspondence **141, 142, 146, 206**
9. Reports and Liaisons from External groups
 - 9.1. ITU
 - 9.1.1. ITU-R WP8F **150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165**
 - 9.1.2. ITU-T SSG **143**
10. Reports from 3GPP **189, 190, 196, 197, 198, 200 - 205**
 - 10.1. OP/PCG **180, 181**
 - 10.2. Report from RAN **170**
 - 10.3. Report from 3GPP TSG CN **173, 185**
 - 10.4. Report from 3GPP TSG T **172**
 - 10.5. Report from GERAN **169, 171**
 - 10.6. Report from 3GPP TSG SA **166, 167, 168, 174, 175, 176, 177, 178, 179, 184, 186, 187, 192, 193, 194, 195, 199**
 - 10.7. Submissions to ITU **182, 183**
11. Actions Required from Joint Meeting with T1P1.2
 - 11.1. Priority Access Services **191**
 - 11.2. TR45.2 AHES **207, 208**
 - 11.3. Location Services **140r1**
 - 11.4. Emergency Telecommunication Services **144, 145**
 - 11.5. PCS1900 Standards Update **147, 148 (188)**
12. Postponed issues from earlier in the meeting **209r1, 210**
13. Future Work/Assignments/Meetings
 - 13.1. 2003 T1P1 Meeting Dates
14. Any other business
 - 14.1. WLAN presentation **T1P1.2/2002 - 093**
15. Adjourn

Annex 2

**T1P1.3 GSM/3G System and Network
Meeting Participants
July 23 - 26, 2002
Westminster, CO**

Name	Company	Email Address
Peter Musgrove	AWS	Peter.musgrove@attws.com
Stephen Hayes	Ericsson	stephen.hayes@ericsson.com
Gil LaVean	InterDigital	Laveange@intrepid.net
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Wing-Cheong Yeung	Qualcomm	wyeung@qualcomm.com
Jim Garrahan	Telcordia Technologies	j.garrahan@telcordia.com
Pierre Truong	Ericsson	Pierre.truong@ericsson.com
Bob Beeson	Lucent	Rbeeson@lucent.com
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Ben Levitan	TSI	blevitan@tsiconnections.com
Taylor Salman	OPNET	tsalman@opnet.com
Tony Chu	Siemens	Tony.chu@icm.siemens.com

Annex 3

**T1P1.2/T1P1.3 Joint Meeting
July 23, 2002
Westminster, CO
Proposed Agenda**

1. Introductions and Attendance Registration
2. Approval of the Agenda
3. Announcements:
 - Meeting Wednesday, 24 July concerning 802.16 at 4:00 PM
 - US Friends of 3GPP Wednesday, 24 July at 5:45 PM
 - T1P1.2 and TR46.2 will meet jointly Wednesday morning at 8:30 AM - Noon
 - Miscellaneous Announcements
4. IPR Question

Other than reaffirming their company's previously stated positions, does anyone wish to make any statement regarding IPR on standards being worked in this committee?
5. Correspondence
 - IEEE 802.16 **142**
 - T1A1 - TR on Emergency Telecommunication Services **144**
 - Other **206**
6. ITU Related Matters
 - 6.1. ITU-R WP 8F **150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165**
 - Liaisons
 - Vision
 - Circulation
 - Spectrum
 - Other issues
 - 6.2. ITU-T SSG **143**
 - Liaisons
 - Other Issues
7. T1P1 Issues
 - 7.1. Priority Access Services (PAS)
 - 7.2. TR45.2 AHES (E911) **207**
 - 7.3. Location Services **140, 193**
 - 7.4. Updates to FDD & TDD RSPC
 - 7.5. Emergency Telecommunication Services **145**
 - 7.6. PCS1900 Standards Update **147, 148 (188), 153**
 - 7.7. Other issues **T1P1.2/2002 - 089**
8. 3GPP Reports **189, 190, 196, 197, 198, 200 – 205, T1P1.2/2002 – 105, 106, 107, 108**
 - 8.1. Harmonization **180, 181**
 - 8.2. OP/PCG
 - 8.3. Report from 3GPP RAN **170, T1P1.2/2002 - 097**
 - 8.3.1. HSDPA

- 8.3.2. OFDM
- 8.3.3. MBMS
- 8.3.4. Beam Forming
- 8.3.5. 3GPP & 3GPP2 joint work
- 8.4. Report from 3GPP GERAN **169, 171**
- 8.5. Report from 3GPP TSG CN **173, 185**
- 8.6. Report from 3GPP TSG T **172**
- 8.7. Report from 3GPP TSG SA **166, 167, 168, 174, 175, 176, 177, 178, 179, 184, 186, 187, 192, 193, 194, 195, 199**
- 8.8. IETF Report
- 8.9. Submissions to ITU **182, 183**
- 9. Other Business
 - 9.1. WLAN presentation **T1P1.2/2002 – 093**
 - 9.2. Calendar for 2003
 - Meeting dates for T1P1
 - Miscellaneous Calendar items
- 10. Future Work/Assignments/Meetings

T1P1 Meeting Schedule	T1P1.2 & T1P1.3 Joint Meeting Schedule
July 23 – 26, 2002	July 23, 2002
Nov 5 – 8, 2002	November 5, 2002

- 11. Adjourn

Annex 4

**T1P1.2/T1P1.3 Joint Meeting
Meeting Participants
July 23, 2002
Westminster, CO**

NAME	COMPANY	E-MAIL
Peter Musgrove	AWS	Peter.musgrove@attws.com
Donald E. Zelmer	Cingular	Don.zelmer@cingular.com
Chris Fitzgerald	DISA	fitzgerc@ftm.disa.mil
Pierre Truong	Ericsson	Pierre.truong@ericsson.com
Stephen Hayes	Ericsson	Stephen.hayes@ericsson.com
Steve Mills	Hewlett-Packard	Steve_mills@hp.com
Gil LaVeau	InterDigital	Laveange@intrepid.net
Bob Beeson	Lucent	Rbeeson@lucent.com
Brye Bonner	Motorola	Brye.bonner@motorola.com
Jean C. Trakinat	NCS	Trakinaj@ncs.gov
Damodar Anandampillai	Nec America	danandampillai@necam.com
Ed Ehrlich	Nokia	Ed.ehrlich@nokia.com
Sonia Garapaty	Nortel	Sonia.garapaty@nortelnetworks.com
Mike Karimian	Panasonic	Mkarimian@panasonicatlanta.com
Wing-Cheong Yeung	Qualcomm	wyeung@qualcomm.com
Jim Garrahan	Telcordia Technologies	j.garrahan@telcordia.com
Mark Younge	VoiceStream	Mark.younge@voicestream.com
Ben Levitan	TSI	blevitan@tsiconnections.com
Taylor Salman	OPNET	tsalman@opnet.com
Tony Chu	Siemens	Tony.chu@icn.siemens.com
Chris Wallace	Nokia	Chris.wallace@nokia.com
Richard Prince	Qwest	rprince@qwest.com
Arun Arunachalam	Skyworks Solutions, Inc.	Arun.arunachalam@skyworksinc.com
Asok Chatterjee	Ericsson	Asok.Chatterjee@ericsson.com
T. W. Wan	Rogers Wireless	twwan@rci.rogers.com

T1P1.4 Meeting July 23, 2002
Westminster, CO

Report

Tuesday, July 23, 2002

The meeting was called to order by the Chair, Mel Woinsky at 9:10 am.

The agenda was revised and approved as T1P1.4/2002-039r1.

The June 20, 2002 interim meeting report, T1P1.4/2002-040, was reviewed and approved. The May 3, 2002 T1P1.4 meeting summary, T1P1/2002-057, was reviewed and approved.

Contributions were reviewed and assigned.

Document T1P1.4/2002-037 (I-CDMA Stage 3) that was reviewed at the interim meeting, and remanded to this session with the intent of gaining approval for a T1/ANSI ballot, was discussed. It was recommended to forward the document for ballot as an ANSI Standard, with no objections.

Navini presented its response (T1P1.4/2000-42r1) to the action items assigned to it from the Key West meeting that showed it met the WWINA requirements, had independent performance verification and was qualified for consideration. It was agreed that they had answered all the action items and MCSB was accepted into T1P1.4 as a WWINA technology, with no objections.

The work plan was discussed and it was agreed to hold an interim telephone meeting on Sept. 18, 2002 at 1:00 PM (EDT) to address ballot comments on the I-CDMA Stage 3 and to discuss any additional MCSB documents.

No contributions were submitted on Session Services or Network Interfaces, so these items were deferred to later meetings.

Recommendations for T1P1:

That document T1P1.4/2002-037 (I-CDMA Stage 3) be issued for ballot as an ANSI standard;

That MCSB be included as a WWINA technology.

The meeting was adjourned at 11:10 AM.

Attendance List July 23, 2002

Mel Woinsky	Tantivy	mel@woinsky.com	732-870-8029/9502
Brian Kiernan	InterDigital	brian.Kiernan@interdigital.com	610-878-5637
Mark Beaton	Navini Networks	mbeaton@navini.com	972-852-4328
Sai Subramanian	Navini Networks	sai@navini.com	972-852-4295
			214-261-6382

T1P1/2002-080
Report of T1P1 Meeting with Representatives of IEEE
July 24, 2002

T1P1 Chair Asok Chatterjee called the meeting to order at 4:00pm and thanked all the members of T1P1 for working this important meeting into their agendas. Dr. Chatterjee extended his personal thanks, and that of T1P1, to Roger Marks, Chair, IEEE 802.16 and Mark Klerer of IEEE for attending this meeting to discuss potentially overlapping areas of work. Dr. Chatterjee explained that T1P1 had sent a liaison to the Chair of IEEE 802.16 explaining the potential overlaps, and IEEE 802.16 responded by sending Mr. Marks and Mr. Klerer to open channels of communication between the groups.

Dr. Marks presented T1P1/2002-087, a detailed presentation on the activities in IEEE 802.16. The presentation detailed the current work areas and the other organizations that IEEE 802.16 works with. Roger explained that further information on IEEE 802.16 activities could be found on the IEEE web site, and he encouraged all members of T1P1 to explore and participate in IEEE activities. There was a comment from a participant regarding T1P1's understanding that IEEE 802.16's charter encompassed only 'fixed wireless'. Dr. Marks clarified that there is no wording in his Group's charter that would exclude IEEE 802.16 from addressing areas of "mobile" technologies. Dr. Marks explained that two new areas of work were being explored in IEEE 802.16. The first area of work focuses on expanding the current 802.16 standards to support mobility functions. The second potential area of work, outside of 802.16 would produce standards for Mobile Broadband Wireless at Vehicular Speeds.

Work in 802.16 to extend Standards to include Mobility

Dr. Marks noted that at this point this activity is at the study group level, and the actual direction of the work was still under discussion and is evolving. Dr. Marks noted that 802.16 groups lacked expertise in areas such as hand-off, layers higher than MAC, etc., and T1P1 with extensive knowledge in these technical areas could provide a helping hand. He suggested that, for example, a tutorial by T1P1 expert(s) to IEEE 802.16 on 'handoff issues' could be very helpful. Dr. Marks and Dr. Chatterjee agreed that the shared interests should be carefully considered and a working relationship for co-operation could be developed. Dr. Chatterjee requested that Dr. Marks put together a proposal to T1P1 suggesting his views on areas of shared interest and potential areas of cooperation. This proposal could be used as a first concrete vehicle of communication between the groups, and a cooperative relationship could be built on that.

New Work in Mobile Broadband Wireless Access

Mr. Klerer explained that an Executive Study Group had been formed under IEEE 802 to explore new work in the area of Mobile Broadband Wireless Access at vehicular speeds. Mr. Klerer noted that this work, which was being explored, was without relationship to any currently existing IEEE 802 standards, and the approach is to design an interface that is optimized for IP-based technology. He explained that the ultimate goal of this work would be to provide service optimized so that any application that works on the wired network will work seamlessly just as well on the wireless network. In response to a question of Mr. Mark Younge, Vice Chair of T1P1, Mr. Klerer noted that this type of technology could be used by different kinds of commuters—such as the passengers in cars as well as railway commuters. Dr. Chatterjee asked why Mr. Klerer had chosen to bring this work into IEEE, as opposed to say, T1P1. Mr. Klerer explained that he felt the best place for the work would be IEEE since it was to be based on a 'pure-IP' environment. He also noted that bringing it to IEEE would prevent any confusion about whether the technology had closer ties to 3GPP or to 3GPP2. He noted that ultimately the work would be brought to the groups such as T1P1 for their assistance and input. Dr. Chatterjee extended an invitation to Mr. Klerer to bring this work into T1P1. He noted that T1P1.4 WWINA is doing work on a data-centric technology intended for Internet access, and that it was working well. Mr. Klerer expressed his gratitude at the offer but noted that he could not make a decision on a split from IEEE at this time. Mr. Klerer did note that it would be crucial to work this issue with T1P1, and

also noted that he will bring T1P1's offer forward to the rest of the members of the Executive Study Group for their consideration.

Dr. Chatterjee thanked Roger Marks and Mark Klerer for coming to this meeting, and the members of T1P1 for their active participation. He encouraged a continuation of dialog around promising potential areas of partnership between T1P1 and 802.16 and the Executive Group under 802.

COMMITTEE T1 – TELECOMMUNICATIONS
Committee T1P1
Ad Hoc T1P1.SAH

Westminister, Colorado

~~May 01-02~~ July 25, 2002

TITLE: T1P1.SAH July 25, 2002 Meeting Report

SOURCE: T1P1.SAH Chair

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PROJECT: T1P1 Activity on Lawful Intercept for GPRS/UMTS

ABSTRACT

This document provides the meeting minutes for the July 25, 2002 T1P1.SAH meeting in Westminister, Colorado.

NOTICE

This is a draft document and thus, is dynamic in nature. It does not reflect a consensus of Committee T1-Telecommunications and it may be changed or modified. Neither ATIS nor Committee T1 makes any representation or warranty, express or implied, with respect to the sufficiency, accuracy or utility of the information or opinion contained or reflected in the material utilized. ATIS and Committee T1 further expressly advise that any use of or reliance upon the material in question is at your risk and neither ATIS nor Committee T1 shall be liable for any damage or injury, of whatever nature, incurred by any person arising out of any utilization of the material. It is possible that this material will at some future date be included in a copyrighted work by ATIS.

**T1P1.SAH
Surveillance and Lawful Intercept Ad Hoc
Meeting Report
July 25, 2002**

1 Call to Order and Attendance

The meeting was convened on July 25, 2002 at 8:35 a.m. Mountain time. Attendance was taken. The terms of reference for the meeting:

review 3GPP TS 33.108 with regards to U.S./CALEA Lawful Intercept Requirements.

2 Agenda Review

The draft agenda (**T1P1/2002-021 R1**) was reviewed, updated, and contributions ordered within the agenda. See attached approved agenda.

3 IPR

No comments on IPR were received.

4 Reports, Liaisons, Correspondence, and Announcements

- T1P1.SAH had no met since the last T1P1 meeting in May '02 (Key West) and accordingly there was no meeting report to discuss.
- A liaison from T1S1 (T1S1/2002-128R1) was presented as FYI. The liaison notes a meeting report (T1S1/2002-126) and baseline document (T1S1/2002-103 R1) are available regarding the T1S1 work on LI. An interim virtual meeting is planned for August to progress the work and the next T1S1 LAES meeting is planned for October 2nd, 2002 in Ottawa.
- The following announcements were noted:
 - * TS 33.108 V 5.0.0 was approved by SA in their June '02 meeting
 - * T1P1's CR to TS 33.106 accepted by SA/SA3 (S3LI-114R2)
 - * T1P1's recommendation on 3GPP references was accepted by TR45 LAES (T1P1/2002-068)
 - * J-STD-025A's definitions have been modified to align with the FCC Order on Remand
 - a default ballot is planned by TIA in the September time frame;
 - a liaison to T1/T1P1 from TR45 LAES regarding the ballot should be received soon

54 Unfinished Business

There was no unfinished business.

65 New Business

The following contributions were addressed:

075 Deficiency in IP Multimedia Core Network System (IMS)– The contribution identifies a proposed deficiency in the current IP Multimedia Core Network System (IMS) interception solution for Start of Interception with an active call/session event. Two areas were identified for further study and contributions were solicited on the issues:

- a) Correlation of IRI and content/media streams when multiple streams exist within one context. A request ~~were~~ was made to identify the specific case(s) where correlation was inadequate or failed to support the deficiency contention and if possible to identify a solution(s).
- b) Start of intercept during an active SIP session (e.g., VoIP call). It was asserted this was a new requirement not previously required for active voice calls. A request was made to identify the specific event report being requested for reporting start of intercept when an active VoP call exists and to identify the specific state(s) to be reported via the event and the specific states to be maintained/reported by the network.

It was also recommended that a work item be opened for 3GPP Release 6. Contributions were requested identifying a Release 6 work item.

074 Packet Activity Reporting – A set of three documents addressing a proposed deficiency in the area of a packet activity reporting capability. The contribution was reviewed. Consensus could not be reached on the following recommendations:

1. Add the provided examples to TS 33.107 and TS 33.108. Objections to add the examples were noted from AWS, Ericsson, Motorola. and Nokia.
2. Move forward to develop requirements for extracting IRI associated with Packet Activity. Objections were noted from AWS and T-Mobile. Others s expressed concerns in moving forward.
3. Review, adopt, and forward to 3GPP SA3-LI specific proposed changes to TS 33.107 and TS 33.108 to address Packet Activity Reporting. Objections were noted from AWS and T-Mobile. Others s expressed concerns in the recommendation.

Based on the discussions and actions, the FBI-CIS requested the following statements be added to the T1P1.SAH and T1P1 meeting reports and read out loud at the T1P1 plenary:

“FBI-CIS strongly objects to the T1P1.SAH group’s refusal to adequately address the deficiency in TS 33.108 of any capability for reporting communication-identifying information associated with packets (e.g., IP addresses, protocol, port numbers) sent or received by the intercept subject either on a per-packet or on an aggregate basis.

FBI-CIS has proposed material to address a “packet activity” reporting capability a number of times. These contributions continue to be completely rejected without any substantive discussion. . Though specifically requested, no alternative method of providing the information was identified or proposed by the group. The omission of such capability from this standard fails to meet law enforcement’s legitimate needs for acquiring lawfully authorized information.”

086 Suggested Changes to TS 33.108 – Proposes a number of changes to TS 33.108. The contribution was reviewed and issues identified. AWS plans to revise and resubmit the contribution based on the feedback from the meeting. Contributions are requested to resolve the identified issues.

088 Lawful Intercept for UMTS – Proposes a number of changes to TS 33.108. The contribution was reviewed and issues identified. AWS-Motorola plans to revise and resubmit the contribution based on the feedback from the meeting. Contributions are requested to resolve the identified issues.

76 Plans and Meetings

The following meetings have been identified :

3GPP SA3-LI	Sept. 24-26	Helsinki
3GPP SA3-LI	November 12-14	San Diego
TIP1	November 12-14	San Diego

87 Adjournment

The meeting was adjourned at 04:30 p.m. on July 25, 2002.

TIP1 Plenary Action:

- a) **TIP1.SAH requests an interim meeting for September 11-12 hosted by AWS in Las Vegas starting at 9:00 am on 09/11 and ending 12:00 noon on 09/12 to progress the work.**
- b) **TIP1.SAH requests meeting time at the next TIP1 meeting in November to progress the work. The number of days are TBD.**

Attendance:

Name	Organization
Asok Chatterjee	Ericsson
Ben Levitan	TSI Connections
Bob Beeson	Lucent
Brye Bonner	Motorola
Don Codling	FBI-CIS
Don Sybertz	Verint
Mark Young	T-Mobile
Maura Quinn	FBI/OGC
Norm Wright	Lafayette Group
Peter Musgrove	AT&T Wireless
Pierre Truong	Ericsson
Randy Oster	ATX Inc.
Ron Ryan	Nortel Networks
Sandra Lopez	Telcordia Technologies
Selvam Rengasami	Telcordia Technologies
T.W. Wan	Rogers Wireless
Tony Chu	Siemens
Wing-Cheong Yeung	Qualcomm

Contribution List:

Number	Title	Contributor	Disposition
072 R1	Agenda	Chair	approved
073	TS 33.108 V 5.0.0	Chair	FYI
074	Packet Activity Reporting	CIS, Telcordia	addressed
075	Deficiencies in IP Multimedia Core Network (IMS)	CIS, Telcordia	addressed
086	Suggested Changes to TS 33.108	AWS	addressed
088	Lawful Intercept for UMTS	Motorola	addressed
T1S1-128 R1	T1S1 LAES Liaison on T1S1 LI Activity	T1S1 LAES	FYI

T1P1.SAH
Approved Agenda
July 25, 2002
(Westminister, Colorado)

1. Call to Order
2. Attendance
3. Contribution Ordering and Distribution
4. Agenda Approval **072 R1**
5. Meeting Report(s) none
6. Correspondence and Liaisons **T1S1/2002-128R1**
7. Announcements
 - ? TS 33.108 V 5.0.0 approved by SA in their June '02 meeting
 - ? T1P1's CR to TS 33.106 accepted by SA/SA3 (S3LI-114R2)
 - ? T1P1's recommendation on 3GPP references accepted by TR45 LAES (T1P1/2002-068)
 - ? J-STD-025A's definitions modified to align with FCC Order on Remand
 - default ballot planned by TIA; T1/T1P1 liaison/notification pending
8. Unfinished Business none
9. New Business
 - a. Review TS 33.108 for U.S./CALEA Requirements **073, 074, 075, 086, 088**
10. Plans and Actions
11. Future Meetings
12. Adjournment