

DOCUMENT TYPE

TITLE: Draft Meeting Minutes of January 25, 2002 Plenary Session of T1P1
SOURCE*: T1 Associate
PROJECT: Administrative

ABSTRACT

This document contains the draft meeting minutes of the January 25, 2002 plenary session of T1P1 in Kiawah Island, South Carolina.

NOTICE

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**TECHNICAL SUBCOMMITTEE T1P1
WIRELESS/MOBILE SERVICES AND SYSTEMS
January 25, 2002
Kiawah Island, South Carolina**

1 Call to Order/Quorum Call/Opening Remarks

Asok Chatterjee (Ericsson), Chair of T1P1, called the meeting to order at 8:07 a.m. EST.

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 45 voting members listed on the roster, 20 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 21. The attendance at this session is recorded in Attachment 1 to these minutes.

2 Approval of Agenda and IPR Statement

The updated meeting agenda, T1P1/2002-001R1, 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 November 2, 2001 T1P1 meeting, T1P1/2001-165, held in Aspen, Colorado, were approved without modification.

4 T1AG/T1 Actions Relating to T1P1

- The Chair reported that a financing plan was put in place for the funding of 3GPP by members participating under the aegis of Committee T1. He explained that 25% of the total dues would be split equally among all the members, then the remaining 75% would be divided in based on the revenue of a company, in a manner similar to the structure of the membership dues to Committee T1.
- The Chair informed T1P1 that the T1 Secretariat had noted that there was some abuse of the T1 Exploder lists by persons not associated with Committee T1. The Chair reported that the Secretariat is tackling this issue, and looking at several possible solutions, in the hopes of stopping the problem while maintaining the openness of communication. Anyone with concerns or solutions was encouraged to contact Steve Barclay (ATIS), at sbarclay@atis.org.
- The Chair reported that change could be forthcoming on the issue of free internet downloads of T1 documents. He noted that discussion had occurred suggesting that revenue may be

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lost through the free downloads. He informed the group that he would keep them updated on the situation, and that in the meantime pre-published documents were available through the ATIS Document Center.

- The Chair asked Mel Woinsky (Tantivy), to describe work occurring in one of the T1AG ad-hoc groups. Dr. Woinsky explained that an ad-hoc convened by Ed Eckert, Catena, is focusing on the possibility of contributing to the ITU (through the US National process) via the use of Working Group approval, instead of the regular process of approval at the TSC level. He informed the group that the issue had not yet been resolved and that it will come up again during the March 6, 2002 T1AG meeting.
- Mark Younge (VoiceStream), T1P1 Vice Chair, informed the group that invoices for calendar 2002 membership in Committee T1 had been sent out from ATIS, and there should be no special assessment occurring this year.

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

Don Zelmer (Cingular), T1P1.2 Chair, and Margaret Livingston (Nokia), T1P1.2 Vice Chair, reported on the activities in T1P1.2. They reported that T1P1.2 had met jointly with both T1P1.3 as well as with the friends of TR46 during the week. When T1P1.2 met on its own they discussed such key issues as Orthogonal Frequency Division Multiplexing (OFDM), Multiple Inputs-Multiple Outputs (MIMO) and a review of activities in RAN and GERAN. The T1P1.2 Chair noted that the ITU-R has granted an extension until May 31, 2002 for submission of RSPC to ITU-R. The T1P1.2 Chair requested an interim conference call of T1P1.2 on March 26, 2002 in order to complete the necessary steps for submission. This request was approved without comment.

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

Gary Jones (VoiceStream), T1P1.3 Chair, and Sonia Garapaty (Nortel Networks), T1P1.3 Vice Chair, reported on the activities in T1P1.3. Ms. Garapaty reported that T1P1.3 worked jointly with T1P1.2 to produce two lists of references to GSM and 3G specifications to ballot as American National Standards. She explained that the lists were a snapshot from the December 2001 TSG #14 for Release 99 and Release 4 of both GSM and UMTS. The T1P1.3 Vice Chair requested the two draft standards, [T1P1/2002-025](#) (PCS1900 and GSM 850 References) and [T1P1/2002-026](#) (UMTS References), be approved for T1 letter ballot. These requests to ballot were approved without comment or objection.

Mr. Jones and Ms. Garapaty reported on other topics reviewed during the meeting including significant attention paid to work in Priority Access Services. Mr. Jones noted that several documents from Dyncorp were reviewed by T1P1.3, and ongoing work is expected between T1P1.2, T1P1.3 and Dyncorp.

The issue of Location based services was presented and discussed during the joint T1P1.2 and T1P1.3 meeting and concerns were expressed that the current standard, T1.628, only refers to three different shapes. A liaison was proposed and drafted to T1S1, the owners of T1.628, requesting that they include different shapes in the location standard. The T1P1.3 Vice Chair requested approval to send this liaison, [T1P1/2002-027](#), to Technical Subcommittee T1S1. This request was approved without comment or objection.

7 T1P1.4 Wireless Wideband Internet Access

Mel Woinsky (Tantivy), T1P1.4 temporary Chair, reported on the activities occurring in T1P1.4. Dr. Woinsky welcomed Navini Networks a new member of T1P1, with particular interest in T1P1.4. He noted that at this meeting T1P1.4 had reviewed several contributions, and had progressed work on a contribution regarding the basis for WWINA Stage1 Requirements. Dr. Woinsky requested approval for the WWINA Stage 1 Requirements Document, [T1P1.4/2002-021](#),

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to go forward to a Committee T1 letter ballot. This request was approved without comment or objection.

Dr. Woinsky reported that T1P1.4 had spent time reviewing the group's work plan and an I-CDMA Architectural Overview. The workplan may be found in T1P1/2002-021 and the I-CDMA Architectural Overview is in T1P1/2002-022.

Dr. Woinsky requested approval of an interim conference call to be held on March 8, 2002 at 10:30 a.m. PST. The purpose of this call would be to review the results of the ballot comments on the WWINA Stage 1 requirements, respond to any questions related to the I-CDMA Architectural Overview, and review and approve the Annotated Outline for the I-CDMA Stage 3 text. The conference call was approved without comment or objection.

8 T1P1 Surveillance Ad Hoc Report

Ron Ryan (Nortel Networks), Chair of the T1P1 Surveillance Ad Hoc, reported on the activities occurring in T1P1.SAH. He noted that several contributions were addressed, consensus was reached on a number of issues, and several contentious issues were debated to help progress the work. Consensus material to be presented to 3GPP SA3-LI can be found in T1P1/2002-033.

Mr. Ryan reported that document T1P1/2002-002R1, a companion contribution to T1P1/2002-012 with draft text on TCP for H12 and H13 Delivery Methods, was presented. The material was reviewed and modified and consensus was reached to present the modified material to 3GPP SA3-LI (see T1P1/2002-033). The FBI/CIS requested to have the following comments noted for the record:

"The FBI/CIS strongly objects to the adoption in TS 33.108 of an "optional" rather than "mandatory" keep-alive parameter. Defining this parameter as "optional" risks the loss of critical, lawfully authorized surveillance information and has absolutely no basis in regulation, statute or logic. In fact, this "optional" parameter is counter-intuitive to sound engineering principles."

Mr. Ryan reported that document T1P1/2002-008, draft text referring to packet activity, was presented and discussed. Mr. Ryan noted that consensus could not be reached on the requested capability. The FBI/CIS requested to have the following comments noted for the record:

"FBI/CIS strongly objects to the omission from 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 proposed a "packet activity" message capability, which was completely rejected on alleged technical merits related to the processing impact. Though specifically requested, no alternative method of providing the information was identified or proposed. The omission of such capability from this standard fails to meet law enforcement's legitimate needs for acquiring lawfully authorized information. FBI-CIS is also concerned about indications that no further technical discussion on the capability would occur unless something changes (i.e., not carried forward as unfinished business)."

Mr. Ryan reported that document T1P1/2002-003, draft text referring to SMS reporting, was presented. From the information available and discussion it appears as if the requested reporting of associate identity may not be technically feasible at an SGSN due to not knowing the message types or formats. The capability may be feasible at an SMS Service Center, but this network element is outside the scope of 3GPP/T1P1 work and standards. Questions were raised regarding the usage of SMS Originating and Terminating party parameters in 33.108, Table 6.5, and consensus was reached to seek clarification on the usage of these parameters.

For interception of SMS-MT packets on an SMS-GMSC there were different views on how SMS

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messages are routed. Thus, there were different views on how to intercept all SMS-MT packets. Consensus could not be reached on the requested capability. However, consensus was reached to seek guidance at the next SA3-LI meeting in Amsterdam. The FBI/CIS requested to have the following comments noted for the record:

"FBI-CIS strongly objects to the failure of T1P1 to address the deficiency in TS 33.108 resulting from the designation of the SGSN as the sole point of interception for SMS communication-identifying information and communication content. FBI-CIS believes the failure to consider alternative points of interception such as the SMS-SC, SMS-GMSC would result in the loss of critical lawfully authorized surveillance information."

Secretary's Note: It was confirmed with Mr. Ryan that during the T1P1.SAH meeting the FBI/CIS expressed their concerns when their requested capabilities/text were not accepted and the participants listened to those concerns.

Mr. Ryan requested approval for an interim meeting on March 26-28, 2002 to continue work on these issues. The interim meeting was approved without comment or objection.

9 Other Business

The Chair reminded T1P1 that Working Group leadership elections would occur at the next meeting of T1P1 in Key West, Florida, from April 30-May 3, 2002. He reminded anyone who was interested to run for any of the open leadership positions to send letters of intent and support from their company to Steve Barclay at sbarclay@atis.org.

10 Next T1P1 Meeting

The next T1P1 meeting will be hosted by TIA and will be held April 30-May 3, 2002 in Key West, Florida. All the meeting details can be found posted to the T1 web site in T1P1/2002-018.

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

11 Adjournment

The Chair thanked TIA for the wonderful location and facilities.

Having no further business, he declared the meeting adjourned at 10:37 a.m. EST.

Nicole Butler
T1 Associate

T1P1 ATTENDANCE JANUARY 25, 2002

Initial Quorum	Present	Member Company	First Name	Last Name	Designation	Designee Name
		Acterna	Michael	Lewis	VR	
1	1	Alcatel USA Inc.	Francois	Courauu	VR	Mark Younge
		Alcatel USA Inc.	Laurent	Cruchant	VA	
1	1	AT&T Wireless Service	Peter	Musgrove	VR	
		AT&T Wireless Service	Brian	Daly	VA	
	1	BellSouth Telecommu	Gregory	Wos	VR	Don Zelmer
		C.S.I. Telecommunica	Michael S.	Newman	VR	
		C.S.I. Telecommunica	Thomas G.	Croda	VA	
1	1	Cingular Wireless LLC	Don	Zelmer	VR	
		Cingular Wireless LLC	Marc	Grant	VA	
1	1	Conexant Systems, In	Quentin C.	Cassen	VR	
		Conexant Systems, In	Arun	Arunachalam	VA	
1	1	Defense Info. Systems	Chris	Fitzgerald	VR	
		Ericsson Incorporated	Toni	Johansson	VR	
1	1	Ericsson Incorporated	Stephen	Hayes	VA	
		Golden Bridge Techno	Kourosh	Parsa	VR	
		Golden Bridge Techno	Karin	Zickermann	VA	
		Harris Corporation	Marlis	Humphrey	VR	
		Hughes Network Syste	Dr Leonard	Golding	VR	
		Hughes Network Syste	Enrique	Laborde	VA	
		Inet Technologies Inc.	Charles	Moore	VR	
		Inet Technologies Inc.	Mark	Hejnicky	VA	
		Intelsat	Mark T.	Neibert	VR	
		InterDigital Communic	Brian	Kiernan	VR	
1	1	InterDigital Communic	Gil	LaVean	VA	
		LG Sansys, Inc.	Hee Joung	Lee	VR	
		LG Sansys, Inc.	Mark	Hosford	VA	
		LightSurf Technologies	John	Hansen	VR	
		LightSurf Technologies	Shekhar	Kirani	VA	
		Lockheed Martin Glob	Mike	Onufry	VR	
1	1	Lucent Technologies	Robert B.	Beeson	VR	
		Lucent Technologies	Jane	Brownley	VA	
		Metawave Communicat	Shimon	Scherzer	VR	
		Microcell Connexions	Venkatesh	Sampath	VR	
		Microcell Connexions	Besma	Smida	VA	
1	1	Motorola Inc.	Brye	Bonner	VR	
		Motorola Inc.	Syed	Husain	VA	
1	1	National Communicati	Jean	Trakinat	VR	
		National Communicati	Nicholas	Andre	VA	
1	1	Navini Networks	Kenneth W.	Davey	VR	
		Navini Networks	Mark	Beaton	VA	
		NEC America Incorpor	Dia	Helmy	VR	
		Nokia Telecommunica	Ed	Ehrlich	VR	
1	1	Nokia Telecommunica	Margaret	Livingston	VA	
		Nokia Telecommunica	Chris	Wallace	VA	
		Nortel Networks	Subhash	Patel	VR	
1	1	Nortel Networks	Ronald D.	Ryan	VA	
		OKI America Incorpora	Reed	Fisher	VR	
		OKI America Incorpora	Hisao	Fujikawa	VA	
1	1	Panasonic-MMCD	Mike	Karimian	VR	
		Panasonic-MMCD	Rob	Winstanley	VA	
		Paradyne Corporation	Phil	Kyees	VR	
		Qualcomm Incorporated	Mark	Epstein	VR	
1	1	Qualcomm Incorporated	Ed	Tiedemann	VA	Wing Yeung
		Qwest	Richard	Prince	VR	
		Qwest	James L.	Eitel	VA	

T1P1 ATTENDANCE JANUARY 25, 2002

Initial Quorum	Present	Member Company	First Name	Last Name	Designation	Designee Name
		Rogers Wireless Inc.	Edward	O'Leary	VR	
1	1	Rogers Wireless Inc.	Tak Wing	Wan	VA	
		SBC Communications	Randolph	Wohlert	VR	
		SBC Communications	Chuck	Bailey	VA	
		Siemens Info & Comm	Stephen	Edge	VR	
		Siemens Info & Comm	Frank	Gay	VA	
		Sprint - Long Distance	James	Lord	VR	
		Tahoe Networks	Paul	Francis	VR	
		Tahoe Networks	Lisa	Guo	VA	
		Tantivy Communicatio	Mel	Woinsky	VR	
1	1	Tantivy Communicatio	Clifton J.	Barber	VA	
1	1	Telcordia Technologie	Jim	Garrahan	VR	
		Telcordia Technologie	Cliff	Halevi	VA	
1	1	Tellabs	Brian	Yarger	VR	
		Tellabs	Joel	Butz	VA	
		TELOS Technology	Steve	Williams	VR	
		TELOS Technology	Brad	Long	VA	
		TruePosition Inc.	Thomas	Ginter	VR	
		TruePosition Inc.	Rhys	Robinson	VA	
		Verizon Communicatio	Wendy	Pugh	VR	
1	1	Voicestream Wireless	Gary K.	Jones	VR	
		Voicestream Wireless	Mark	Younge	VA	
		Voyan Technology	Michail	Tsatsanis	VR	
		Voyan Technology	Rolf	Fiebrich	VA	
20	21					

Quorum Requirement = 15

		3Com	Fred	Lucas	O	
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T1P1 ATTENDANCE JANUARY 25, 2002

Initial Quorum	Present	Member Company	First Name	Last Name	Designation	Designee Name
		AirNet Communication	Terry	Williams	0	
		Anritsu Company	Paul	Bauer	0	
		Beatnik, Inc.	Chris	Grigg	0	
		Bell Canada	P. Norman	Smith	0	
		Bitmath, Inc.	Addisu	Tesfaye	0	
		Broadcom Corporation	Vladimir	Oksman	0	
		Cambridge Positioning	Andrew TW	Pickford	0	
		CDMA Development G	Sam	Samra	0	
		CellGuide Ltd.	Nir	Joseph	0	
		Cisco Systems	Cedric	Druce	0	
		Compaq Computer Co	John L.	Schantz	0	
		Covad Communication	Ron	Marquardt	0	
		Crosskeys Systems C	Peter	Cook	0	
		dynamicsoft Inc.	Dean	Willis	0	
		Fujitsu America Inc.	Hirohiko	Yamamoto	0	
		Inmarsat	Roy	Blane	0	
		Juniper Networks, Inc.	Elizabeth	Lytle	0	
		Legerity, Inc.	Vijay	Davar	0	
		Littlefeet, Inc.	Carmen	Genovese	0	
		Marconi Communicati	Chim	Kamdar	0	
		Next Level Communic	Sabit	Say	0	
		Octasic, Inc.	Serge	Fournier	0	
		PictureTel Corporation	Patrick	Luthi	0	
		Pliant Systems, Inc.	Harold	Goodnight	0	
		RealNetworks	Jeremy	Worley	0	
		SnowShore Networks,	Eric	Burger	0	
		Symmetricom Inc.	Don	Skipwith	0	
		Tekelec Inc.	Virgil	Long	0	
		Telica, Inc.	Bill	Kwan	0	
		Tellium, Inc.	Krishna	Bala, PhD	0	
		US Telecom Associati	Robert	Creighton	0	
		Verilink Corporation	Steven E.	Turner	0	
		WorldCom	John	Gallant	0	
		Zarlink Semiconductor	Maamoun	AbouSeido	0	

Observers

T1P1 Plenary Attendees
 Kiawah Island, South Carolina
 January 25, 2002

Name	Organization	Phone#	E-Mail Address
Stephen Hayes	Ericsson Inc.	972-583-5773	Stephen.hayes@ericsson.com
Clifton Barber	Tantivy	404-608-1977	Cbarber@tantivy.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
Tak Wing Wan	Roger's Wireless	416-935-6029	Twwan@rci.rogers.com
Gil Lavean	InterDigital Communications	304-258-1694	Laveange@intrepid.net
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
Kenneth Davey	Navini Networks	972-852-4372	Kdavey@navini.com
Edward Ehrlich	Nokia Telecommunications	972-894-4495	Ed.ehrlich@nokia.com
Margaret Livingston	Nokia Telecommunications	972-894-5740	Margaret.livingston@nokia.com
Ron Ryan	Nortel Networks	972-684-5444	Rryan@nortelnetworks.com
Mel Woinsky	Tantivy Communications	732-946-2408	Mel@woinsky.com
Mike Karimian	Panasonic-MMCD	770-338-6246	Mkarimian@panasonicatlanta.com
Rob Winstanley	Panasonic-MMCD	403-516-7605	Rob.winstanley@panasoniccalgary.com
Norm Wright	Lafayette Group	703-814-4809	Nwwright@hotmail.com
Jim Garrahan	Telcordia Technologies	732-758-5227	Jgarraha@telcordia.com
Radi Kar	Mitsubishi Electric	33 155 685660	Rkar@compuserve.com
Gary Jones	Voicestream Wireless	760-918-1634	Gary.jones@voicestream.com
Mark Younge	Voicestream Wireless	760-918-1634	Mark.younge@voicestream.com
Dawn Dohrmann	Indus Technologies	703-814-4768	d.dohrmann1@askcalea.net
Joel Butz	Tellabs	630-512-7697	Joel.butz@tellabs.com
Brian Yarger	Tellabs	630-512-8475	Brian.yarger@tellabs.com
Andy Germano	Tantivy	321-956-0046	Agermano@tantivy.com
Sonia Garpaty	Nortel Networks	972-685-5110	Sonia.garapaty@nortelnetworks.com
Asok Chatterjee	Ericsson	925-737-5849	Asok.chatterjee@ericsson.com
Quent Cassen	Conexant Systems Inc.	949-483-4177	Quent.cassen@conexant.com
Nicole Butler	ATIS	202-662-8663	Nbutler@atis.org
Al Thomas	Cingular	404-236-5901	Al.thomas@cingular.com
Kennie Kwong	Cingular	404-236-6882	Kennie.Kwong@cingular.com

COMMITTEE T1 – TELECOMMUNICATIONS

T1P1

Kiawah Island, SC: 22-23 January 2002

DOCUMENT TYPE: Contribution

TITLE: Summary of T1P1 Meeting – January 2002

SOURCE: Mel Woinsky

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PROJECT: T1P1-01

ABSTRACT: This document presents a summary of the T1P1 meeting that was held in Kiawah Island, SC during the period of 22-23 January 2002.

RECOMMENDATION: FYI

Notice:

This contribution is presented as the basis for discussion within Committee T1. Neither Tantivy Communications 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. Tantivy Communications reserves the right to amend, add to, or withdraw any and all statements contained herein.

**T1P1 WG4
Meeting Summary
22-25 January 2002 – Kiawah Island, SC**

Introduction and Attendance Registration

The meeting was called to order on 22 January 2002 at 1:15 PM local time by T1P1 WG4 Chair, Mel Woinsky (Tantivy Communications). The meeting participants introduced themselves and signed in on the attendance sheet provided.

Approval of the Agenda

The meeting agenda (1P140100) was presented by the Chair. This agenda was approved without objection as submitted and is included in this report as Attachment B.

Approval of Previous Meeting Report

The meeting report for the 6 December 2001 T1P1.4 interim meeting that was held by conference call (1P140090) was presented by the Chair. This contribution was adopted without objection as the official summary of the 6 December 2001 interim meeting.

Review and Attribution of Contributions

The Chair noted that the following contributions had been loaded onto the T1 website and distributed on the T1P1.4 network server. They were assigned to agenda items as noted.

CONTRIBUTION	TITLE	CONTRIBUTOR	AGENDA ITEM
2P140010	Basis for WWINA Stage 1 Requirements	TANTIVY	5
2P140020	Preface to I-CDMA Architectural Overview	TANTIVY	7
2P140030	I-CDMA Architectural Overview – Air Interface System	TANTIVY	7
2P140040	I-CDMA Architectural Overview – Physical Layer	TANTIVY	7
2P140050	I-CDMA Architectural Overview – Link Layer	TANTIVY	7
2P140060	I-CDMA Architectural Overview – Network Layer	TANTIVY	7
2P140070	I-CDMA Architectural Overview – Summary of Unique Features	TANTIVY	7
2P140080	Annotated Outline – I-CDMA Stage 3 text	TANTIVY	8
2P140090	Proposal for WWINA Session Services ID Document	TANTIVY	8
2P140100	WWINA Stage 1 Requirements v1.3 Comments	NAVINI	5
2P140110	Proposal for Liaison Representative to ITU-R WP 8F Vision WG to incorporate WWINA into the Vision Proposed Draft New Recommendation (PDNR)	TANTIVY	8
2P140120	WWINA Stage 1 Requirements v1.4	TANTIVY	5

Approve Technical Requirements for T1 Ballot

- ? A contribution regarding the basis for WWINA Stage 1 requirements (2P140010) was presented by Tantivy Communications. This contribution summarized the background and technical intent of the WWINA Stage 1 requirements. Comments from Navini primarily questioned the requirement that WWINA technologies co-exist with existing voice systems based on their indication that T1P1 carriers have also expressed interest in making use of other spectrum that is now available to them.
- ? A contribution on WWINA Stage 1 Requirements v1.3 comments (2P140010) was presented by Navini. This contribution was reviewed by the WG line-by-line and the WWINA Stage 1 requirements that were previously approved at the interim meeting were also reviewed simultaneously (1P14051).
- ? After substantial review and discussion, the WG agreed without objection to re-approve the WWINA Stage 1 Requirements v1.4 (2P140120) for recommendation to T1P1 that they ballot the document as a T1 Technical Requirements document. Navini, as a developer of a TDS-CDMA system that operates on a TDD basis, indicated that they would be bringing contributions to the April 2002 T1P1.4 meeting for consideration of commitment to a parallel standard development path for their technology that they indicate is consistent with 2P140120.

Review WG Workplan

The WWINA Workplan previously approved at the interim meeting (1P140080) was reconfirmed without objection. The Chair noted the existing reference in that document indicating that “other technologies meeting the WWINA requirements may be worked on in parallel”.

I-CDMA Architecture

- ? The Preface to the I-CDMA Architectural Overview (2P140020) was presented by Tantivy Communications as an introduction to the I-CDMA Architectural Overview. This contribution noted that this architectural overview was being submitted in conjunction with the consideration of T1P1.4 of I-CDMA as a WWINA technology. As such, all related contributions were considered FYI for the WG.
- ? The I-CDMA Architectural Overview – Air Interface System (2P140030) was presented. The WG recessed for the evening and reconvened on 23 January 2002 at 9:00 AM local time.
- ? The I-CDMA Architectural Overview – Physical Layer (2P140040) was presented.
- ? The I-CDMA Architectural Overview – Link Layer (2P140050) was presented.
- ? The I-CDMA Architectural Overview – Network Layer (2P140060) was presented.
- ? The I-CDMA Architectural Overview – Summary of Unique Features (2P140070) was presented.

I-CDMA Stage 3 Outline

- ? The Annotated Outline – I-CDMA Stage 3 Text (2P140080) was presented. This contribution was remanded to all WG participants for review and discussion at an interim meeting of the WG.
- ? A proposal for a WWINA Session Services ID Document (2P140090) was presented by Tantivy. At the contributor’s request, this contribution was held open for discussion next meeting when Navini inputs can be considered.
- ? A proposal for Liaison Representative to ITU-R WP 8F Vision WG to incorporate WWINA into the Vision Proposed Draft New Recommendation (PDNR) (2P140110) was withdrawn by Tantivy.

Recommendation to T1P1

- ? The WWINA Stage 1 Requirements v1.4 (2P100210) is being recommended by T1P1.4 consensus for ballot as a T1 Technical Requirements Document.
- ? The T1P1.4 Workplan ([2P100220](#)) is documented for T1P1.
- ? An I-CDMA Architectural Overview was presented that included a summary of I-CDMA unique features and documentation that all WWINA Stage 1 Requirements have been met. That summary (2P100230) is documented for T1P1.
- ? Navini Wireless has joined T1P1 because of the formation of T1P1.4 to address WWINA technologies and they would like to have their TDS-CDMA technology considered as a WWINA technology. They indicated that their technology meets all of the WWINA Stage 1 requirements approved by T1P1.4 this week and being recommended to T1P1 for ballot as a T1 Technical Requirements Document and is consistent with the T1P1.4 mission and scope. However, the WG did note that there is enough difference in the new technology that a parallel work effort and possible modifications to the T1P1.4 work structure will be needed if this new technology is included in the workplan. For consideration by the WG, Navini has agreed to provide the following support information at the April 2002 meeting:
 - ? Description of technical merit of the proposed technology.
 - ? Documentation of the development status of the technology and the confirmation that the technology is indeed “proven”.
 - ? Documentation of value added benefit to the T1P1 membership.
 - ? Document assurances that standardization of this technology would not be better suited for other SDOs.
 - ? Service provider interest from the T1P1 membership.
 - ? Resource commitment from the T1P1 membership.

After review of this information, T1P1.4 will provide a recommendation to the T1P1 closing Plenary at that meeting on whether this technology should be included in the T1P1.4 work program.

Other Business

No other business was discussed.

Next Meeting

T1P1 approval of a conference call will be requested for 8 March 2002 for a 4-hour period starting a 9:30 AM US west coast time. The objectives of this meeting are indicated as follows:

- ? Review of results and comments from the ballot of the WWINA Stage 1 requirements.
- ? Respond to any additional questions related to the I-CDMA Architectural Overview.
- ? Review and approve the Annotated Outline – I-CDMA Stage 3 Text as a WG working document.

The next face-to-face T1P1.4 will be held in conjunction with the T1P1 meetings in Key West, FL during the period of 30 April – 3 May 2002. The Chair has scheduled 2 meeting days in addition to the WG4 closing Plenary in series with the closing plenaries of the other T1P1 WGs on Thursday afternoon.

Adjourn

The meeting was adjourned on 23 January 2002 at 12:35 PM US east coast time.

ATTACHMENT A

The following persons participated in this T1P1.4 meeting:

NAME	COMPANY	E-MAIL
Marc Grant	Cingular*	marc.grant@cingular.com
Don Zellmer	Cingular*	don.zellmer@cingular.com
Quent Cassen	Conexant*	quent.cassen@conexant.com
Asok Chaterjee	Ericsson*	asok.chaterjee@ericsson.com
Ken Davey	Navini*	kdavey@navini.com
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Tom Gorsuch	Tantivy Communications*	tgorsuch@tantivy.com
Howard Heller	Tantivy Communications*	hheller@tantivy.com
John Hoffmann	Tantivy Communications*	jhoffmann@tantivy.com
Jonathan Hughes	Tantivy Communications*	jhughes@tantivy.com
Mike Lynch	Tantivy Communications*	mlynch@tantivy.com
Jim Proctor	Tantivy Communications*	jproctor@tantivy.com
Mel Woinsky	Tantivy Communications*	mel@woinsky.com
Mark Younge	Voicestream*	mark.younge@voicestream.com

* T1P1 Member Company

ATTACHMENT B

T1P1.4 WWINA (Wireless Wideband InterNet Access)

**Meeting Notice
Kiawah Island, South Carolina
January 22-24**

Meeting/Hotel: Kiawah Island Resort

**12 Kiawah Beach Drive
Kiawah Island, SC 29455
843-768-2121 Reservations
843-768-6054 Guest Fax
See T1P1 Notice (T1P1/2001-133) for more detail.**

SCHEDULE

**Tuesday Jan. 22 1:00 PM – 5:00 PM
Wednesday Jan. 23 8:00 PM – 5:00 PM
Thursday afternoon Jan. 24 part of sequential closings**

PROPOSED AGENDA

- 1. Introduction and attendance registration.**
- 2. Approval of the Agenda 1P140100**
- 3. Approval of December 6 Meeting Report 1P140090**
- 4. Review and Attribution of Contributions**
- 5. Approve Technical Requirements for T1 Ballot 001, 010, P140051**
- 6. Review WG Workplan 1P140080**
- 7. I-CDMA Architecture 002, 003, 004, 005, 006, 007**
- 8. I-CDMA Stage 3 Outline 008, 009, 011**
- 9. Recommendation to T1P1**
- 10. Other Business**
- 11. Next Meeting**
- 12. Adjourn**

NOTE: 3-digit contribution numbers should be interpreted as 2P14xxx0.

T1P1.3 GSM/3G System and Network Working Group
Meeting Summary
January 22 – 25, 2002
Kiawah Island, SC

1. **Attendees:** Approximately 25
2. **Meeting Schedule:** The T1P1.3 GSM/3G System and Network Working Group met for 2 1/2 days. Gary Jones of VoiceStream chaired the meeting. Sonia Garapaty of Nortel Networks is the vice chair. The agenda and attendance sheets are attached as Annexes 1 and 2.
3. **Contributions:** The SWG addressed 51 contributions. The meeting was held electronically, with all of the contributions available in electronic format. The document log is in Tdoc 052.
4. **Working Method:** The working group's activities were conducted in plenary sessions.
5. **Working Group Activities:** The group addressed all the input documents with the following results:

5.1. The agenda in T1P1.3/2002 - 02R1 was reviewed and accepted.

It was noted that T1P1.3 met jointly with T1P1.2 all-day Tuesday to address issues of mutual interest. The agenda for this joint meeting is in T1P1.2/2001 – 39r1.

5.2. 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

5.3. Joint Meeting with T1P1.2 – Tuesday January 22nd

5.3.1. PCS1900 Specifications Update (03, 04, 05, 06, 40, 41, 42)

The PCS1900 GSM Specifications for Release 99, Release 4, & GTT proposed for ballot was in Doc. 40. The draft GSM standard includes the core standards for PCS1900, which are the Air Interface, A-Interface and MAP Specifications and these specifications also provide support for the 3-digit MNC and the Enhanced Full Rate (EFR) Vocoder. The PCS1900 UMTS Specifications for Release 99, Release 4, & GTT proposed for ballot was in Doc. 42. The T1P1.2 and T1P1.3 Vice Chairs provided the two draft standards for review and comment.

The following documents were provided for information, as the source documents for the PCS1900 Specification update:

- ? CR to 01.01 (03) – GSM Release 99 specifications
- ? CR to 21.101 (04) – UMTS Release 99 specifications
- ? CR to 21.102 (05) – UMTS Release 4 specifications
- ? CR to 41.102 (06) – GSM Release 4 specifications

As a reminder, there are three different initiatives that T1P1 needs to do:

1. List of 3GPP specifications to ballot as an American National Standard – snapshot from December TSG #14 for Release 99 and Release 4 of both GSM and UMTS.

This is the effort being completed at this meeting

2. Approve a list of 3GPP specifications as T1 Specifications for input to ITU-T SSG (using the input from the 3GPP CN ITU-T Coordination ad hoc) – snapshot from TSG #11 - Release 99.
This effort was completed at the October T1P1 meeting
3. Approve a list of 3GPP specifications as T1 Specifications for input to ITU-R for RSPC – snapshot from March 2002 TSG meeting – Release 4 and Release 5.
This effort will be completed at the March T1P1 meeting

Note that it has been agreed that T1 can create American National Standards without using version numbers of the 3GPP Specifications.

The group reviewed the PCS1900 and GSM850 draft standard and agreed the following revisions (40r1):

- Question was raised on why this standard is restricted only to PCS1900? The standard should also include the GSM850 band. The group agreed and the title and text in the Introduction and Scope were changed accordingly.
- Restructuring of the References section.
- If possible to complete in this meeting, add a “Type” column to the tables. If not, a statement will be added to the tables stating that Technical Reports are informative.
- NEC America presented a document proposing additions and deletions to the draft ballot text of T1 standard for GSM (41). The group agreed the following additions/deletions to the draft GSM standard:
 - include the LCS and AMR to the Release 99 and Release 4 tables,
 - include the complete list of GTT specifications and the necessary references to other specifications,
 - delete 11.10 from Release 99 table,
 - remove 02.94 and 04.08 from the R99 table,
 - remove the Project Scheduling documents,
 - remove 23.110, 23.121, and the 6 technical reports.

The above changes are incorporated in the revised draft standard (040r1), which was approved by the joint meeting.

T1P1 is invited to approve this draft standard and send forth for T1 ballot. [T1P1/2002-025](#)

PCS1900 UMTS Specifications for Release 99, Release 4, & GTT proposal for ballot (42). The group reviewed the draft standard and agreed the following revisions (42r1):

- Restructuring of the References section.
- Remove 27.007 from the GTT table, as no changes to the specification were needed for GTT.
- Add a sentence to NOTE 1 in Sections 4, 5 and 6 stating that Technical Reports are informative.

The joint meeting approved the revised draft standard (042r1).

T1P1 is invited to approve this draft standard and send forth to T1 ballot. [T1P1/2002-026](#)

5.3.2. ITU Related Matters (T1P1.2/2002 – 12)

The T1P1.2 chairman provided and summarized the documents from the 3GPP RAN ITU ad hoc (T1P1.2/2002 – 12).

The T1P1.3 chairman presented the following documents for information:

- A press release dated 10 December 2001 from ITU announcing code allocation for Universal Personal Telecommunications (UPT) number (33).
- Report of the ITU-T Working Party 8F Chairman (38)

5.3.3. HSPDA (T1P1.2/2002 - 05)

The T1P1.2 Chairman presented a status report from the Rapporteur to the 3GPP RAN #14 plenary on the two 3GPP Work Items on HSPDA: "High Speed Downlink Packet Access (HSDPA)" and "High Speed Downlink Packet Access (HSDPA): Layer 2 and 3 Aspects" (T1P1.2/2002 – 05).

5.3.4. UMTS1900

The T1P1.2 Chairman summarized the status of the UMTS TR and CRs for UMTS application in North America. UMTS1800/1900 emission plan and band plan was approved by the RAN #14 plenary for Release 5.

5.3.5. TTY (34)

An e-mail from ATIS announcing that ATIS will host the next TTSI test event the week of March 4 in Washington D.C. (34)

5.3.6. Priority Services (35, 36, 37, 43, 44)

The T1P1.3 Chairman explained the multiple initiatives underway for Priority Services:

- within 3GPP SA1 Priority Services SWG; and
- in the U.S. with a government contractor, DynCorp, tasked by the US Government to develop the capability to provide Priority Services for GSM and for CDMA/TDMA in the U.S.

The SA1 Priority Services SWG chair, Jim Garrahan, presented for information the SWG report from the January 17, 2002 meeting held in Phoenix, Arizona, USA (44).

The T1P1.3 chair provided the following documents from DynCorp for information:

- DynCorp document on Wireless Priority Service (WPS) Industry Requirements for the Initial Operating Capability (IOC) for GSM-based Systems – Issue 1.0 (Draft), Jan. 18, 2002 (43).
- E-mail message from DynCorp (35) announcing the next team conference call to review the GSM Service Description is as follows: Thursday, 31 January, 10AM - 3PM Eastern and, if necessary, Friday, 1 February, 10AM - 3PM Eastern.
- DynCorp PowerPoint slides on BSC/MSC Trunking Congestion (36)
- DynCorp PowerPoint slides on Public Use Spectrum Reservation (37). A Conference call is set-up with DynCorp on Jan. 24th 9 – 10 am EST to discuss this issue.

This was discussed further in the T1P1.3 meeting.

5.3.7. E911 (01)

Ericsson presented a document on Timing issue of last-known position for E911 call in 3GPP specs (01). According to current 3GPP specification (TS 23.271), the last-known position could be reported to the PSAP for an E911 call (by a MT-LR procedure) even if the measurement was made before the start of the E911 call.

Ericsson proposes that T1P1 send a liaison to inform 3GPP TSG SA2 of the problem and to request a change to the LCS stage 2 specifications for R98, R99, Rel-4 and Rel-5 (TS 03.71, 23.171, 23.271). The change would specify that, in the context of a MT-LR related to an emergency positioning (JSTD-036 updated or last known position during an emergency call), the “last known location” cannot be provided back to the LCS client if obtained before the emergency call setup.

This was discussed further in the T1P1.3 meeting.

5.3.8. TR45.2 AHES (46, 47)

Margaret Livingston, E911 Rapporteur, presented a summary of J-STD-036 Rev A Ballot Review (46). The TR45.2 AHES Ballot closed on January 4, 2002 and a TR45.2 AHES ballot review meeting took place January 15, 2002.

T1P1 Related Impacts:

- T1P1 ballot comments from Tellabs, were resolved and agreed by TR45.2 AHES.
- T1P1 should expect a formal response from TR45.2 with regards to J-STD-036-Rev. A.
- Next TR45.2 plenary meeting will be held, March 11, 2002.

Publication Details for J-STD-036-Rev. A

- The goal is to approve J-STD-036 rev. A for publication is March 2002
- The publication of the new revision will be published as clean text. The only change marks will be for sections written against ANSI-41-D. A copy showing the modifications since the publication of J-STD-036-AD-1 will be made available.

T1P1 Ballot, LB 1032, for J-STD-036 Rev. A, closed on 12/26/2001 and the results are in document 047. Comments received from Tellabs were resolved at the TR45.2 AHES meeting.

5.3.9. Location Services (45)

Ericsson presented a document describing the inconsistencies between the shapes defined in T1.628 and GSM 23.032. It was noted that for the mandatory shape requirements, specifically the ellipsoid point and ellipsoid point with uncertainty, the bit encoding in T1.628 and TS 03.32/23.032 are the same. Ericsson proposed that T1P1 decide if this is viewed as a significant problem. If so, a liaison should be written to T1S1 requesting that they incorporate these additional shapes into T1.628.

This was discussed further in the T1P1.3 meeting.

5.3.10. Other issues (T1P1.2/2002 – 01, 04, 11, 14)

The T1P1.2 Chairman presented the following documents:

- ? Documents on the 3GPP RAN work item: Mitigating the Effect of Common Pilot Channel (CPICH) Interference at the UE (01).
- ? Report and Output of the November 13 – 14 3GPP/3GPP2 Harmonization meeting on 3GPP HSPDA & 1X EV DO/DV (04).
Next meetings are: Feb. 18 – 22 in Orlando, FL. and April 15 – 19 in Alexandria, VA.
- ? Presentation of a study item for Release 6 to be submitted in March 2002: Analysis of OFDM for UTRAN evolution (11).
- ? Multiple-In Multiple-Out (MIMO) Status Report to TSG RAN (14).

5.3.11. Reports from 3GPP (32)

The joint meeting briefly discussed the 3GPP Release 4 and 5 content (32). It was noted that several of the Release 5 IMS work items would not meet be completed by the March 2002 deadline.

Cingular asked the group if any company had any strong reasons for delaying 3GPP Release 5. There have been discussions within 3GPP to delay completion of Release 5 due to the work on the IP Multimedia Sub-system (IMS) being incomplete or close Release 5 and move the uncompleted items to Release 6. Multiple companies stated they did not want to delay the radio specifications of Release 5 as it has to be completed in March 2002 due to agreements with ITU-R.

5.3.11.1. 3GPP TSG RAN (12, T1P1.2/2002 – 20, 21, 22, 23)

Don Zelmer, TSG RAN Vice Chairman, presented the 3GPP TSG RAN status report to the SA#14 plenary (12).

- 3GPP RAN WI/SI Status Sheets (T1P1.2/2002 – 20).
- 3GPP RAN Working Group 2 Report (T1P1.2/2002 – 23).
- 3GPP RAN Working Group 3 Report (T1P1.2/2002 – 22).
- 3GPP RAN Working Group 4 Status Report for R99 & Rel4 specifications (T1P1.2/2002 - 21).

It was noted that after long discussions, RAN agreed M3UA as the transport layer for Release 5, and SUA will be studied in Release 6.

5.3.11.2. The 3GPP TSG GERAN status report (11) to the SA#14 plenary was provided for information.

5.4. T1P1.3 Meeting

5.4.1. T1P1 sent a liaison from our last meeting (T1P1/2002 – 152) but has not received any response from IFAST.

5.4.2. Reports from 3GPP (07, 08, 22, 29, 30, 31, 32)

The Future TSG meeting schedule (08):

Meeting	2002	Location	Primary Host
TSG#15	5 – 14 March	Korea	TTA
TSG#16	4 –13 June	Florida, USA	Motorola
TSG#17	3 – 12 September	France	Alcatel
TSG#18	3 – 12 December	New Orleans	NA 'Friends of 3GPP'

The following documents were provided for information:

- ? 2002 3GPP Meeting Schedule (07)
- ? 3GPP TSG#14 Documents list (22)
- ? 3GPP MCC Report (29)
- ? 3GPP Workplan (30)
- ? 3GPP Specification Status list (31).
- ? 3GPP Release 4 and 5 content (32)

5.4.2.1. 3GPP TSG SA (14, 15, 16, 17, 18, 19, 20, 21, 25)

Gary Jones, TSG SA Vice Chairman, presented the 3GPP TSG SA#14 draft report (14) at the T1P1.2/T1P1.3 joint meeting.

- Discussion of Working Group rules on handling ad hocs and joint meetings. It was agreed that active ad hoc groups should be known as SWGs as an ad hoc group is just an informal gathering of people with very little restriction on meeting notices, scope and agenda.
- It was agreed that the Release 5 freezing date would stay as the March 2002 TSGs #15 meetings. IMS call control, IMS security, OAM and testing were given extensions until June 2002.

The following documents from the 3GPP TSG #14 Plenary were provided for information:

- 3GPP SA Working Group 1 Report (15, 16).
- 3GPP SA Working Group 2 Report (17).
- 3GPP SA Working Group 3 Report (18, 19).
- 3GPP SA Working Group 4 Report (20).
- 3GPP SA Working Group 5 Report (21).
- Smooth introduction of R99 Presentation (25).

5.4.2.2. IETF Report (23, 24)

The T1P1.3 Chair briefly presented the following IETF related documents:

- 3GPP IETF Report (23)
- 3GPP-IETF Dependencies and Priorities (24). This document, maintained by the 3GPP CN chair, provides a detailed list of 3GPP dependent IETF Internet Drafts (IDs) and their priority as of December 5, 2001. The 3GPP Requirement is that these IDs are stable and RFC numbers be available to allow 3GPP to reference them. It was noted that many of the delays in completion of IMS specifications for Rel5 are the result of delays in IETF work.

5.4.2.3. 3GPP TSG CN (09, 10)

Stephen Hayes, TSG CN Chairman, presented the 3GPP TSG CN status report to SA#14 plenary (09, 10). During the presentation it was noted that the IP Multimedia Sub-system (IMS) work items are at high risk for slippage past March 2002 Release 5 deadline.

5.4.2.4. IP Core Network Harmonization (26, 27, 28)

The T1P1.3 Chairman presented the following documents for information:

- IP Core Network Harmonization Proposed Plan of Action (26). This slide package was the OHG Input to 3GPP.
- Response Liaison to OHG from 3GPP SA on IP Core Network Harmonization (27).
- IP Core Network Harmonization Dates (28). OHG will host a 3GPP/3GPP2 Harmonization workshop April 3 & 4 in Toronto, Canada.

5.4.2.5. Ed Ehrlich, TSG T Vice Chairman, presented the 3GPP TSG T status report to SA#14 plenary (13).

5.4.3. Priority Services (35, 36, 37, 48)

Priority Services was discussed briefly at the T1P1.2/T1P1.3 joint meeting. The SA1 Priority Services SWG chair, Jim Garrahan, presented for information the latest draft of the 3GPP Priority Service Feasibility Study TR v0.0.5 (48). The TR is moving away from a Stage 1 and becoming a high-level requirements document. It was noted that as a USA regional requirement,

- Priority Service call attempts shall override any eMLPP priority levels that may be received from eMLPP capable mobile phones. However, if Priority Service is implemented using eMLPP, the interaction is FFS.
- There is no interaction between Priority Service and emergency calls. If *FC [emergency call number] is dialed and Priority Service authentication fails, the call will be released, otherwise the call is processed as a Priority Service call.

Next SA1 Priority Services SWG session is during the S1 #15 meeting Feb. 11 – 15 in Austria.

AWS asked the meeting to discuss what changes to the current 3GPP specifications will be required to implement Priority Services in North America to meet the DynCorp schedule (Note: Priority Services will not be included in the 3GPP specifications until Release 6). The following changes will be needed:

- Specify some of the vendor specific parameters within the Priority Information Element (PIE), which will effect Interoperability at the A interface.
- Specify the support of *FC [feature code number].
- May need to define a new Supplementary Service code (if eMLPP code cannot be re-used). If so, then the impact of feature interactions must be considered.

The meeting reviewed the following documents from DynCorp:

? BSC/MSC Trunking Congestion (36): attempts to quantify how big of a problem is blocking between the BSC and MSC. The presentation concluded that Hotspot and Broad Network Congestion are both significant National Security / Emergency Preparedness (NS/EP) scenarios.

- HotSpot Congestion: Intense Overload On One Cell (with spillover to neighbors); Remaining Cells are “Quiet”

If More (or Same) BSC-MSC Trunks Than Radio Channels, Then Only Radio Channels Will Be Blocking; Trunks Will Be Non-Blocking.

- Network Overload Congestion: Intense Overload On All Cells and Landline PSN

If More Radio Channels Than BSC Trunks (and Zero Blocked Call Holding Time), Then Every New Call Can Always Get Radio Channel, i.e., Only Trunks Will Block; Radio Channels Non-Blocking.

Nokia stated that the assumptions used in the presentation's analytical modeling are not realistic. Likely that vendors will have different assumptions depending on their equipment and the level of service you want to offer.

The Chairman asked how could we help DynCorp make their modeling more realistic? It was agreed that more information from the operator's on "real-world" implementations would be useful. NCS asked how much time should DynCorp spend looking into BSC-MSC Trunking congestion, i.e. is this a real problem? Also, does this need to be solved for IOC?

- ? Wireless Priority Service and Public Use Spectrum Reservation (37):

The presentation describes two algorithms, which are intended to be reasonable approximations to address a perceived problem of reserving a portion of an operator's capacity for public use when the network is congested with priority users.

- Public Use Reservation by Time Slicing (PURTS)
- Public Use Reservation by Departure Allocation (PURDA)

Nokia clarified that currently Resource Management handling is proprietary. Therefore, what algorithm might work well in one vendor's architecture may not work well in another vendor's. Nokia does not think it is a good idea to specify a specific algorithm. Some vendor participants in the Jan. 22nd GSM PURDA conference call (49) supported this idea, where they indicated that they would like to see a functional requirement without reference to any specific algorithm(s).

NCS clarified that the PURTS and PURDA algorithms were developed to try and solve the problem of public reservation of capacity. They are open to other solutions. Therefore, if the GSM community has a better solution, then this should be proposed.

For those that could not participate in the Jan. 22nd conference call, another conference call was scheduled on Thursday Jan. 24th at 9 am EST to go over the PURTS and PURDA algorithms. The call focused on the recommendations in the presentation instead of the details of the two algorithms. The Chairman presented slides summarizing the discussions at the Jan. 24th conference call with DynCorp (51). Based on comments from the participants on the call, the slides were revised during review (51r1).

Carriers/Operators are requested to review the DynCorp documents.

- Operators - verify that the concern does exist and determine if the solution should be IOC (won't deploy without it) or FOC (can wait and willing to deploy without it)
- Vendors - evaluate PURDA and any other solutions that will solve the problem.
- Be ready to give results on the Jan. 29th GSM-Track conference call.

5.4.4. Location (45)

The issue was presented and briefly discussed at the joint T1P1.2/T1P1.3 meeting. T1.628 describes only three shapes (Point, Point with uncertainty circle and Point with altitude and uncertainty circle) and TS 23.032, in addition to these three also describes 5 other shapes (Arc, Point with altitude, Point with uncertainty ellipse, Point with altitude and uncertainty ellipsoid, and Polygon). Among other things, these shapes are communicated to the PSAP. Ericsson is concerned that since these additional shapes are not supported by T1.628, they must be mapped into one of the T1.628 defined shapes. This results in a loss of statistical accuracy and since compliance to E911 location capabilities is measured statistically, this can lead to inflated error values for GSM systems. The group agreed and drafted a liaison to T1S1, the owner of T1.628, asking them to include the additional shapes. Ericsson also committed to write (already done I think) the text to be added.

The carrier representatives did state that the vendors must not use this as a delaying tactic! A draft liaison (50) was reviewed and revised (50r1).

T1P1 is invited to approve this liaison. [T1P1/2002-027](#)

5.4.5. E911 (01)

This issue was presented and briefly discussed at the joint T1P1.2/T1P1.3 meeting. It was clarified that the last location of a mobile was stored in the MSC VLR but it included the time stamp. Some commenters thought the fact that the time stamp was sufficient to notify the PSAP that the location information might be “stale”, but others were concerned about possible legal ramifications of sending the PSAP information that was known to be incorrect. There was no consensus on the magnitude of the problem and operators to asked to check to see if there really is a privacy or legal issue with the current way in which the last known position is sent to the PSAP.

6. Plenary Requests:

- ? Approve the PCS1900 and GSM850 GSM Specifications for Release 99, Release 4, & GTT for ballot as an American National Standard (**T1P1/2002-025**)
- ? Approve the PCS1900 UMTS Specifications for Release 99, Release 4, & GTT for ballot as an American National Standard (**T1P1/2002- 026**)
- ? Approve a liaison to T1S1 regarding a revision of T1.628. (**T1P1/2002-027**)

7. Meeting Schedule for the next meeting:

Next meeting is April 29 – May 3, 2002 in Key West, FL. Meeting notice is included in T1P1/2002 – 018.

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.

**T1P1.3 GSM/3G System and Network
Proposed Agenda
January 22 – 25, 2002
Kiawah Island, SC**

1. Joint meeting with T1P1.2 (9:00 AM)
2. Recess from Joint Meeting and reconvene separately
3. Introductions and Attendance Registration (9:00 AM)
4. Approval of the Agenda **02R1**
5. Announcements:
 - 5.1. Joint meeting of T1P1.2/TR46.2 on Wednesday 01/23 **39R1**
 - 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
9. Reports and Liaisons from External groups
 - 9.1. ITU **33**
 - 9.1.1. ITU-R WP8F **38**
 - 9.1.2. ITU-T SSG
 - 9.2. IFAST
10. Reports from 3GPP **07, 08, 22, 29, 30 , 31, 32**
 - 10.1. OP/PCG
 - 10.2. Report from RAN
 - 10.3. Report from 3GPP TSG CN **09, 10, 26, 27, 28**
 - 10.4. Report from 3GPP TSG RAN **(3) 12; (2) 20, 21, 22, 23**
 - 10.5. Report from 3GPP TSG T **13**
 - 10.6. Report from GERAN **(3) 11; (2) 13, 15, 16, 17**
 - 10.7. Report from 3GPP TSG SA **14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25**
 - 10.8. Submissions to WP8F
 - 10.9. Submissions to SSG
11. Actions Required from Joint Meeting with T1P1.2
 - 11.1. PCS1900 Standards Update **40, 41, 42, 03, 04, 05, 06**
 - 11.2. GTT (TTY) **34**
 - 11.3. TR45.2 AHES **01**
 - 11.4. Location Services **45**
 - 11.5. Surveillance (LAES)
 - 11.6. Number Pooling Requirements
 - 11.7. Priority Access Services **35, 36, 37, 43, 44, 48**
12. Postponed issues from earlier in the meeting **40R1, 42R1, 50R1, 51R1**
13. Future Work/Assignments/Meetings
14. Any other business
15. Adjourn

**T1P1.3 GSM/3G System and Network
Meeting Participants
January 22 – 25, 2002
Kiawah Island, SC**

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Jim Garrahan	Telcordia Technologies	j.garrahan@telcordia.com
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Mark Younge	VoiceStream	Mark.younge@voicestream.com

Meeting Summary T1P1.2

T1P1/2002-029

T1P1.2/2002-033

Kiawah Island
January 25, 2002

Don Zelmer Chair
Margaret Livingston, Vice
Chair

Report: T1P1/2002-030

T1P1.2 Meeting Events

- ✍ Joint meeting with T1P1.2/T1P1.3-
Tuesday 22, 2002 (T1P1/2002-024)
- ✍ Joint meeting with T1P1.2/Friends of
TR46.2 – Wednesday 23, 2002
(T1P1/2002-031)
- ✍ T1P1.2 Meeting Wednesday 23,
2002 (T1P1/2002-030)

T1P1.2/T1P1.3 Joint Meeting

- ✍ Revised and Approved List of PCS1900/GSM 850 & 3G specifications for an ANS (American National Standard). T1P1/2002-025 and T1P1/2002-026 for the approved ballots.
- ✍ See details from the joint meeting report in T1P1.3 Meeting.

T1P1.2/"Friends of TR46.2" Joint Meeting Summary

- ✍ Ultra-Wideband (UWB)
- ✍ Nextel's request to the FCC to reallocate 800MHz
- ✍ 700 MHz Out of Band Emissions
- ✍ 3G Spectrum Allocations

T1P1.2/"Friends of TR46.2" Joint Meeting Summary (Topics cont.)

- ✍ 3G Spectrum Plot, Cingular
- ✍ Interference Issues in 2G & 3G Radio systems
 - ✍ 3GPP
 - WCDMA
 - HSDPA
 - OFDM
 - GPRS
 - EDGE
 - ✍ Bands to Consider:
 - Realistic: 1710-1850 MHz, 2110-2165MHz
 - Unrealistic: 700 MHz, 600 MHz, 1910-1930MHz

T1P1.2/"Friends of TR46.2" Joint Meeting Summary (Topics cont.)

3GPP/3GPP2 Harmonization

- February 18-22 in Orlando Florida
- 3GPP2 April 15-19 2002 in Alexandria, VA.

 T1P1.2 & TR46.2 Joint Meeting : May 1, 2002

T1P1.2 Meeting

Main Issues Discussed

- ✍ CPICH 25.991 (T1P1.2/2002-001)
- ✍ OFDM (T1P1.2/2002-011)
- ✍ MIMO (T1P1.2/2002-014)
- ✍ RAN WI/SI Status/Update Sheets (T1P1.2/2002-18, 19, 20)
- ✍ Review of RAN WG's and GERAN WG's activities

T1P1.2 Meeting

Update of ITU-R

The ITU-R has granted an extension until May 31, 2002 for submission of RSPC to ITU-R. Two items are needed:

1. Letter of Conveyance part B
2. SDO output for WP8F

Request: Conference call 26 March 2002 @ 11 am EST

The list of specifications proposed for acceptance will be announced in the announcement for the April/May 2002 T1P1 meeting (30 days in advance of the meeting) and the URL will be provided.

COMMITTEE T1 – TELECOMMUNICATIONS
Committee T1P1
Ad Hoc T1P1.SAH

Kiawah Island, South Carolina
January 25, 2002

TITLE: T1P1.SAH Meeting Minutes
January 23-24, 2002

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 January 23-24, 2002 T1P1.SAH meeting.

NOTICE

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T1P1.SAH
Surveillance and Lawful Intercept Ad Hoc
Meeting Report
January 23-24, 2002

1 Call to Order and Attendance

The meeting was convened on January 23, 2002 at 8:20 a.m. central time. Attendance was taken. The terms of reference for the meeting were restated.

The IPR statement was read and there were no replies.

2 Agenda Review

The draft agenda (**T1P1/2002-007**) was reviewed, updated, and contributions ordered within the agenda. See attached approved agenda.

3 Reports, Liaisons, Correspondence

A draft report (**T1P1/2002-006**) for the January 8th - 14th conference call was distributed for comment. No comments were received.

Reports on TR45 LAES activity (Terri Brooks) and 3GPP SA3 LI activity (PierreTruong) were given. The reports indicated work was progressing on both activities and there were no known issues relative to the T1P1 work than have not already been identified.

4 Unfinished Business

The following contributions were addressed:

017 – Draft text covering issue 8.b from 004R1 (IP Assignment for PDP Context Deactivation) was presented. The material was reviewed and modified. Consensus was reached to present modified material to 3GPP SA3-LI. See **T1P1/2002-033**.

There was one objection to changing the parameter from Mandatory to Optional.

010 – Draft text covering issue 4 and 8.c from 004R1 (PDP Context Modification) was presented. The material was reviewed and modified. Consensus was reached to present modified material to 3GPP SA3-LI. See **T1P1/2002-033**.

One organization (Lucent) believes information will be lost with this approach.

012 – Draft text covering issues 6 and 7 from 004R1 (TCP for HI2 and HI3 Delivery Methods) was presented. The material was reviewed and modified. Consensus was reached to present modified material to 3GPP SA3-LI in the form of an informative annex. See **T1P1/2002-033**.

002 R1 – A companion contribution to 012 with draft text covering issues 6 and 7 from 004R1 (TCP for HI2 and HI3 Delivery Methods) was presented. The material was reviewed and modified. Consensus was reached to present modified material to 3GPP SA3-LI. See **T1P1/2002-033**.

The following statement was provided by the FBI-CIS for this report:

“The FBI/CIS strongly objects to the adoption in TS 33.108 of an “optional” rather than “mandatory” keep-alive parameter. Defining this parameter as “optional” risks the loss of critical, lawfully authorized surveillance information and has absolutely no basis in regulation, statute or logic. In fact, this “optional” parameter is counter-intuitive to sound engineering principles.”

008 – Draft text covering issue 2 from 004R1 (Packet Activity) was presented. The material was discussed and consensus could not be reached on the requested capability. The following comments were noted relative to the technical issues:

- ? impact on the network elements
- ? performance impact
- ? reasonably available information
- ? impact due to placement of IAP (GGSN vs SSGN)

The following statement was provided by the FBI-CIS for this report:

“FBI-CIS strongly objects to the omission from 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 proposed a “packet activity” message capability, which was completely rejected on alleged technical merits related to the processing impact. Though specifically requested, no alternative method of providing the information was identified or proposed. The omission of such capability from this standard fails to meet law enforcement’s legitimate needs for acquiring lawfully authorized information. FBI-CIS is also concerned about indications that no further technical discussion on the capability would occur unless something changes (i.e., not carried forward as unfinished business).”

003 – Draft text covering issues 1 and 8 from 004R1 (SMS Reporting) was presented. From the information available and discussion it appears as if the requested reporting of associate identity may not be technically feasible at an SGSN due to not knowing the message types or formats. The capability may be feasible at an SMS Service Center, but this network element is outside the scope of 3GPP/T1P1 work and standards. Questions were raised regarding the usage of SMS Originating and Terminating party parameters in 33.108, Table 6.5, and consensus was reached to seek clarification on the usage of these parameters. See **T1P1/2002-033**.

For interception of SMS-MT packets on an SMS-GMSC there were different views on how SMS messages are routed. Thus there were different views on how to intercept all SMS-MT packets. Consensus could not be reached on the requested capability. However, consensus was reached to seek guidance at the next SA3-LI meeting in Amsterdam. See **T1P1/2002-033**.

The following statement was provided by the FBI-CIS for this report:

“FBI-CIS strongly objects to the failure of T1P1 to address the deficiency in TS 33.108 resulting from the designation of the SGSN as the sole point of interception for SMS communication-identifying information and communication content. FBI-CIS believes the failure to consider alternative points of interception such as the SMS-SC, SMS-GMSC would result in the loss of critical lawfully authorized surveillance information.”

009 – Draft text covering issues 3 from 004R1 (Serving System Message) was presented. Discussion occurred on the material and consensus was reached on the concept relative to the Serving System Message in J-STD-025. Due to time constraints the technical aspects were not discussed and are for further review. The contribution is carried forward as unfinished business.

11, 013-016 – Due to time constraints these contributions were not addressed and are carried forward as unfinished business.

5 New Business

a. Discussion on 3GPP SA3-LI activity

Circuit-switch support in 33.108 was discussed. It was reaffirmed that the regional specifications ES 201 671 and J-STD-025 are the appropriate specifications for circuit-switch LI. If ES 201 671 circuit-switch IRI is added to 33.108, 33.108 must clearly indicate that this IRI applies to ETSI and not the U.S..

b. Discussion on TR45 LAES activity

Discussion occurred on overlapping capabilities with T1P1 work. It was reported that there was no overlapping 'e' interface work on UMTS/GPRS in TR45LAES at this time.

6 Plans and Meetings

3GPP SA3-LI	January 29-31	Amsterdam
3GPP SA3-Li	April 9-11	London
T1P1	April 30 – May 3	Key West

7 Adjournment

The meeting was adjourned at 06:00 p.m. on January 24, 2002.

*** Requested T1P1 Plenary Actions:

1. Approve a conference call for February 6, 2002 and an interim meeting for March 26-28, 2002. The tentative host for the interim meeting is Nokia at the Nokia facilities in Irving, Texas.

Attendance:

Name	Organization
Al Thomas	Cingular
Norm Wright	CIS
Stan Causey	CIS
Chip Sharp	Cisco
Pierre Truong	Ericsson
Jon Pifer	FBI
Don Codling	FBI
Dawn Dohrmann	Indus Technologies
Bob Beeson	Lucent
Cathy FitzPatrick	Lucent
Brye Bonner	Motorola
Terri Brooks	Nokia
Ron Ryan	Nortel Networks
Wing Yeung	Qualcomm
Sandra Lopez	Telcordia
Selvem Rengasami	Telcordia
Bonnie Petti	Verizon Wireless

**T1P1.SAH Agenda
January 23-24, 2002
Kiawah Island, South Carolina**

1. Call to Order
2. Attendance
3. Patent Policy

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?

- | | | | |
|-----|------------------------------------|--------------------|--|
| 4. | Agenda Review and Approval | 007 | January 23-24 Agenda |
| 5. | Reports | 006 | January 2002 Conference Call |
| 6. | Liaisons & Correspondence | | |
| 7. | Unfinished Business | | |
| a. | TS 33.108 issues | 004 R1 | Issue List |
| | | 002, 002 R1 | TCP/IP Delivery |
| | | 003 | SMS |
| | | 008 | Packet Activity |
| | | 009 | Roaming |
| | | 010 | PDP Context Modification |
| | | 011 | Timing |
| | | 012 | HI2 and HI3 Delivery |
| | | 017 | IP Assignment for PDP Context Deactivation |
| | | 013 | Security and Integrity |
| | | 014 | Performance and Quality |
| | | 015 | Operations and Maintenance |
| | | 016 | Quantitative Aspects |
| 8. | New Business | | |
| a. | Discussion on 3GPP SA3-LI activity | | |
| b. | Discussion on TR45 LAES activity | | |
| 9. | Plans and Meetings (*confirmed) | | |
| | * January 23-24, 2002 | | Kiawah Island, South Carolina |
| 10. | Adjournment | | |