

3GPP TSG SA WG3 Security — S3#12

S3-000239

11-14 April, 2000

Stockholm, Sweden

3GPP TSG CN Working Group 2 Subgroup B

N2B000xxx

Stockholm, Sweden

2 - 3 March, 2000

Source: MCC

franco.settimo@etsi.fr

Title: Draft Meeting Report

Document for: Approval

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
1	Opening, approval of agenda	0391	Draft Agenda	N2B Chairman	The Chairman welcomed the delegates on behalf of Ericsson. Some changes to the Agenda were agree, e.g. to start with GTP in the morning. T-Mobil indicated that Authentication Failure Report should be added to the agenda as 5.1.3. With the proposed amendments the agenda was agreed.	1.
2	Document allocation	0392	Tdoc allocation to agenda items	N2B Chairman	Amended in consequence to the changes to the agenda	2.

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
3	Meeting Reports	0393	N2B meeting report from Milan	MCC	Approved with the change that Tdoc 364 was not approved, but rejected at the very end of the meeting.	3.
4	Input Liaison Statements	0396	LS on Adding the requirement for CN to map the NAS Binding information to RAB ID	R3	See 5.7	
		0414	LS concerning the status of MAP Security	S3	See 5.1.1	
		0415	LS on Functions of Key Distribution and Key Administration for MAP security	S3	See 5.1.1	
		0416	LS concerning Enhanced User Identity Confidentiality (EUIIC) Status	S3	See 5.1.2	
		0418	CR 23.003-018 on Coding of a deleted P-TMSI signature	N1	See 5.7	
		0419	CR 23.009-006 on Introduction of RANAP for intra-UMTS inter-MSC relocation	N1	See 5.6	
		0420	CR 23.009-007 on Clarifications of 3G_MSC-A and 3G_MSC-B roles	N1	See 5.6	
		0423	2 nd LS on the Transport of Codec Information during the Codec Negotiation between MS and MSC	N1	See 5.4	
		0424	CR 23.009-002r2 on Handover scenario for Multicall	N1	See 5.6	
5	Contributions related to Release 99					
5.1	Security					
5.1.1	MAP Security	0414	LS concerning the status of MAP Security	S3	Presented by Deutsche Telekom. MAP and GTP security are believed to be essential for Release 99. Cooperation between S3 and S5 should help to clarify the open issues. Nokia reminded the fact that a full security package should be available for TSG#07. N2 can accept that Layer 1 is not a fully standardised	4.

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
					protocol for distribution of the security keys. Manual key administration should be acceptable for R99, according to Nortel Networks. This principle was accepted. The LS was noted.	
		0415	LS on Functions of Key Distribution and Key Administration for MAP security	S3	Noted without presentation	5.
		0280	CR 29.002-106r1 on Security for MAP messages	Vodafone AirTouch	Withdrawn	6.
		0378	MAP Security Proposal	Nortel Networks	Purpose is to have a generic format suitable to encapsulate all the MAP security messages.	7.
		0394	MAP security proposal	Siemens	Noted.	8.
		0400	CR 29.060-080 on GTP Security	Ericsson	Revised to 428	9.
		0428	CR 29.060-080r1 on GTP Security	Ericsson	Siemens asked whether the approach followed will be the same for MAP security. According to Vodafone all GTP messages will have the same level of protection and there is no need to introduce special security mechanisms at the application level. The intention is to show that IP security mechanisms can be applied to this context. Nortel Networks wanted to make sure that IP security is applied. A corresponding Change Request to 33.102 should be drafted; Vodafone AirTouch said the CR to 29.060 can go to the CN plenary provided that the need for an associated CR to 33.102 is clearly specified in the front page. Interworking with 2G networks is not an issue since the security keys are not exchanged between the networks. LS to S3 should be drafted with proper actions for them to include GTP security. Vodafone AirTouch volunteered to draft it (Tdoc 445). Association between receiving and sending entity is assumed to be handled by IP security, but it does not need	10.

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
					to be commented to S3. Modification of the cover sheet and <i>will be to become is</i> were agreed. Revised to 446	
		446	CR 29.060-080r2 on GTP Security	Ericsson	Agreed	11.
		0417	MAP Security proposal	Alcatel	<p>Siemens objected that Assumption 1 of the document is not correct, but this might be a common feature to the other two documents on MAP security. Similarities between the Siemens and Nortel contributions were raised from the floor. The Chairman proposed consequently to concentrate discussion on the Siemens document.</p> <p>According to Vodafone AirTouch, however, a more prudent approach is to report to the CN plenary that serious results about MAP security cannot be expected before CN#08. Vodafone AirTouch intends to find out a way to make pressures on CN and SA so that the issue of MAP Security is still included in Release 99, provided that significant achievements are reached for CN#08. However, N2 credibility would be compromised if N2 promises something which is not delivered.</p> <p>Vodafone AirTouch (and T-Mobil) also declared their interest in driving the activity, supplying resources (i.e. Ian Park and Steffen Habermann are available to be Rapporteurs). Nokia, Ericsson, Nortel Networks, Alcatel, FT, Mannesmann Mobilfunk, declared to be prepared to participate in the activity.</p> <p>Vodafone AirTouch clarified that support means that the supporting companies will actively provide inputs, not only a simple participation in the meetings. This is obviously conditioned by the agreement of CN#07 and SA#07 to commit N2 to proceed with the activity.</p>	12.

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
					Vodafone concluded highlighting that some time will pass before MAP messages are transported by an IP protocol (and hence IP protected): in the meanwhile, MAP security mechanisms must be necessarily developed.	
5.1.2	Enhanced User Identity Confidentiality	0416	LS concerning Enhanced User Identity Confidentiality (EUIC) Status	S3	No specific action from N2, according to S3. Hence, the LS is mostly for information and was noted. Vodafone AirTouch will report to the CN plenary about VLR restart.	13.
		0421	CR 23.018-036r3 Introduction of Enhanced User Identity Confidentiality	T-Mobil	Revision of a CR agreed in Milan, as a consequence of comments from Nokia. All the reference regarding usage of TMSI over the A-interface were removed. Agreed. Supersedes CR 23.018-036r2, approved in Milan.	14.
		0422	CR 29.002-092r3 Introduction of Enhanced User Identity Confidentiality	T-Mobil	The original CR was conditionally approved in Milan, (no negative comments were received within one week). Parameter usage was required, but this needs to be described in 23.012. Interactions with Super Charger need also to be resolved. Revised to 447, with the addition of a clarifying sentence..	15.
		0447	CR 29.002-092r4 Introduction of Enhanced User Identity Confidentiality	T-Mobil	Potential impacts to 23.116 were mentioned by Vodafone AirTouch. This makes it preferable to approve the CR when all the issues are resolved. However, The CR was eventually agreed.	16.
		0429	CR 29.060-082 on Introduction of EUIC	T-Mobil	Some features were missing in 29.060. The following additional text was agreed for inclusion: "The TEMSI is encoded as defined in 24.008." Revised to 0449.	17.
		0449	CR 29.060-082r1 on Introduction of EUIC	T-Mobil	Agreed.	18.
		0448	Alternatives in case of VLR lost of data	T-Mobil	Paging by IMSI should be prohibited if VLR has lost data for that particular user. Vodafone AirTouch (and FT) support Alternative 3 but it is unrealistic to achieve progress by CN#07.	19.

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
5.1.3	Authentication Failure Report	0315	CR 23.018-049 on Introduction of Authentication Failure Report	T-Mobil	Importance of this issue was highlighted by T-Mobil in respect to global roaming with 3GPP2. Authentication failure is applicable to both terminal and network, as clarified by T-Mobil. For e-mail approval. Same dedline (Wednesday 12:00) as for other documents.	20.
		0316	CR 23.012-005 on Introduction of Authentication Failure Report	T-Mobil	For e-mail approval.	21.
		0385	CR 29.002-110 on Introduction of Authentication Failure Report	T-Mobil	Noted. Revision expected for the next N2 Meeting. N2B will report to the CN plenary that work is going on. The CN plenary will decide whether the issue can still be a part of Release 99. Eventually revised to 454.	22.
		454	CR 29.002-110r1 on Introduction of Authentication Failure Report	T-Mobil	For e-mail approval	23.
5.2	GTP	0397	CR 29.060-033r1 on Addition of Radio Priority to the MM Context and PDP Context IEs	Ericsson/Motorola	Revised to 426	24.
		0398	CR 29.060-035r1 on Addition of Packet Flow Id to the PDP Context IE	Ericsson/Motorola	Revised to 427	25.
		0399	CR 29.060-072r2 on Clarification on the use of TEID in the GTP header	Ericsson	Revised to 408	26.
		0408	CR 29.060-072r3 on Clarification on the use of TEID in the GTP header	Ericsson	The original document was presented in Milan and revised twice but the final version was not approved. Agreed.	27.
		0426	CR 29.060-033r2 on Addition of Radio Priority to the SGSN Context Response	Motorola, Ericsson	Revision of a CR originally presented in Milan. The main difference is that Radio Priority information is kept separate from the PDP context. Vodafone AirTouch noted a mixture of subjects in the CR and had concerns (as well as Nortel Networks). Vodafone AirTouch volunteered to draft a totally new CR, in Tdoc 442.	28.

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
					The CR was agreed.	
		0442	CR 29.060-083 on Editorial clarification on Information Elements in the SGSN Context Response	Vodafone AirTouch	Agreed.	29.
		0427	CR 29.060-035r2 on Addition of Packet Flow Id to the SGSN Context Response	Motorola, Ericsson	Revision of a CR originally presented in Milan. Agreed.	30.
5.3	Mobile Number Portability	0362	CR 23.018-043r1 on Clarification of NPDB error detection and MNP specific call handling	Nokia	Resubmission from Milan. Agreed.	31.
		0363	CR 23.066-015r1 on Clarification of NPDB error detection and MNP specific call handling	Nokia	Resubmission from Milan. Agreed.	32.
		0368	CR 23.066-009r1 on Detection of database synchronisation errors in SRF	Ericsson	Revision of a CR originally presented in Milan. All details linked to specific indicators were removed, and the mechanisms are now much more general. A procedure has been added to Chapter 6. Nokia observed that the Indirect Routeing scenario is not properly covered. Telia indicated that there are pressures from their regulators on Error situations, and proposed an extension (revision or complementary CR) to the CR. Error Handling could be dealt with at the MAP level, according to Nokia. An agreement seemed possible. Revised to 450	33.
		0450	CR 23.066-009r2 on Detection of database synchronisation errors in SRF	Ericsson	Revised to 460 Addition of the sentence: "If an error must be set as a result of the check terminate, the user error <i>Unknown subscriber</i> shall be used. If v3 or higher of the MAP protocol is in use, the diagnostic NPDB mismatch may be used"	34.
		0460	CR 23.066-009r3 on Detection of database synchronisation errors in SRF	Ericsson	Agreed	35.
		0395	CR 23.066-008r3 on Alignment of IN interface with Fixed Networks	Ericsson	Revision of a CR presented in Milan. The only change is a new Table in the Contents of messages section. Use of Connect or Continue is equivalent, this was agreed in previous discussions. Result of routeing should be made	36.

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
					visible in Fig. A.2.6, Nokia suggested. Revised to 451.	
		0451	CR 23.066-008r4 on Alignment of IN interface with Fixed Networks	Ericsson	Agreed.	37.
		0402	CR 03.18-A060 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1P1.5	For information. T1P1 expressed their requirement for considering the CRs as essential to the US regulatory environment, although they could not endorse the CR itself because of lack of time for consideration. This comment also applies to the following T1P1.5 documents. The cover page should indicate the category applicable to the CR.	38.
		0403	CR 03.66-A016 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1P1.5	For information	39.
		0404	CR 03.66-017 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1P1.5	For information	40.
		0405	CR 23.066-016 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1P1.5	For information	41.
		0406	CR 23.018-046 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1P1.5	For information	42.
		0407	CR 23.066-017 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1.P1.5	For information	43.
		0431	CR 23.018-xxx on ISUP release cause value.	Telia	Based on a not yet approved T1P1 CR. It will be then revised so that the changes of Telia are clearly distinguished	44.
		0452	Revision of 0431	Telia		45.
		0432	CR 23.066 on MNP Release 98	Ericsson	Agreed.	46.
		0433	CR 23.066 on MNP Release 99	Ericsson	Agreed.	47.

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
		0458	CR 29.002-063r3 on MNP data base mismatch	Ericsson	Siemens proposed moving the additional text. The suggestion was accepted. Vodafone AirTouch also proposed a correction concerning diagnostic Subscriber Error. Revised to 461	48.
		0461	CR 29.002-063r4 on MNP data base mismatch	Ericsson	Agreed.	49.
		0459	CR 23.018-050r2 on ISUP release cause value	Telia	Vodafone clarified to Telia that Table 1 is a proposal for mapping, since there is no guarantee that the protocol used will be ISUP. Some editorial corrections were then proposed by Vodafone AiTouch. Revised to 462.	50.
		0462	CR 23.018-050r3 on ISUP release cause value	Telia	Agreed	51.
5.4	OoBTC	0401	The stage 2 specification on out of band transcoder control	NEC	Revised to 430	52.
		0423	2 nd LS on the Transport of Codec Information during the Codec Negotiation between MS and MSC	N1	Withdrawn by N1.	53.
		0463	3 rd LS on the Transport of Codec Information during the Codec Negotiation between MS and MSC	N1	Siemens volunteered to present the LS. The only practical approach for R99 seems to rely on one codec type only: according to Ericsson this makes codec negotiation not necessary. However this is not totally true, since a plurality of codec types is possible at Stage 2. No consensus was really achieved, but the concern did not seem so serious to prevent a future corrective CR. In summary: concern that with the possibility of only one codec on the access interface, the current specification may be overspecifying. This issue will be further studied and if necessary a CR will be brought to the attention of CN#08.	54.
		0430	The stage 2 specification on out of band transcoder control	NEC	Approved by N2, upgrade to v2.0.0. Send to CN#07 for	55.

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
					approval. History needs to be updated.	
		0425	LS on AMR modes & Supported Subflow Combinations	N1	Noted.	
5.5	CAMEL Phase 3	0409	CR 23.018-047 on O-CSI and D-CSI checks for ORLCF calls	N2A	Agreed	56.
		0410	CR 29.002-079r3 on Correction of SS Invocation Notification for CCBS	N2A	Revised to 0456	57.
		0411	CR 23.008-020r1 on CR 23.008-020 on addition of gsmSCF address list to CSI	N2A	Agreed	58.
		0412	CR 23.008-023r1 on Combined CR on 23.008	N2A	Agreed	59.
		0413	CR 23.008-024 on Adding D-CSI to table with Negotiated CAMEL Capability Handling variables	N2A	Agreed	60.
		0443	CR 23.018-044 on Setting the destination address for MO calls	Vodafone AirTouch	Some N2A material will be added for information and/or electronic approval. Probably one CR endorsed by N2A, source Vodafone AirTouch, was missing in the list. Agreed.	61.
5.6	Handover	0419	CR 23.009-006 on Introduction of RANAP for intra-UMTS inter-MSC relocation	N1	N2B has secondary responsibility. Presented by Ericsson. N2B endorsed it. AP Franco Settimo : to inform Ban Al Bakri.	62.
		0420	CR 23.009-007 on Clarifications of 3G_MSC-A and 3G_MSC-B roles	N1	N2B has secondary responsibility. Presented by Ericsson. N2B endorsed it. AP Franco Settimo : to inform Ban Al Bakri.	63.
5.7	Identities	0396	LS on Adding the requirement for CN to map the NAS Binding information to RAB ID	R3	For information to N2. Vodafone AirTouch requested some time for considering the figure in the LS and to wait for a proper response from S2. An LS (457) in response will be drafted by Vodafone AirTouch.	64.
		0418	CR 23.003-018 on Coding of a deleted P-TMSI signature	N1	Presented by Ericsson, indicating that the hexadecimal value FFFFFFFF should be reserved in the network, since it is used by the MS. Agreed.	65.

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
5.8	Multicall	0424	CR 23.009-002r2 on Handover scenario for Multicall	N1	<p>The CR principle is rather simple; 23.009 describes handover scenario. Same mechanisms, as specified in the RANAP specifications can be applied and, consequently, soft handover is not an issue.</p> <p>Uniform treatment of intra MSC handover and of handover needing processing within the MSC is necessary.</p> <p>Revised to 465, to be reviewed and agreed by e-mail, same schedule as above.</p>	66.
		0465	CR 23.009-002r3 on Handover scenario for Multicall	N1	<p>Action Point to Franco: to deliver it to Ban as soon as the CR is available. The N2B Chairman will trigger the approval process.</p>	67.
		0434	CR 23.125 on Multicall supplementary service - Stage 2	NTT Comware	<p>Comments expected by Wednesday March 8th. 12:00 CET. To be sent to Monica Hellman.</p>	68.
		0435	CR23.018-025r7 on Addition of the description for Multicall	NTT Comware	<p>Changes from the previous version were presented. No concerns were raised. Agreed.</p>	69.
		0436	CR29.002-048r5 on Introduction of Multicall	NTT Comware	<p>Siemens observed that the Interrogation Results should be also specified in ASN.1. The request was agreed, to show the data type definition for the interrogate Result.</p> <p>Revised to 464, which will be prepared off line and discussed by e-mail. Same closing time.</p> <p>Siemens also proposed, in the context of this discussion, to regard Multicall as a part of the same family of Multiparty. The name of MULTiparty could be changed in such a way that it also includes Multicall, even if they are different services.</p>	70.
		0437	CR29.002-100r4 on Handover scenario for Multicall	NTT Comware	<p>NTT Comware illustrated the changes. A clarification was given by Vodafone AirTouch on the response message Multicall not supported. It must be a Result component, not an Error component. Formal comment on a test (triangle instead of a diamond, since it is not a dynamic data) in</p>	71.

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
					19.2.3-1 Sheet 1 was then raised by Vodafone AirTouch. Revised to 0466	
		0466	CR29.002-100r5 on Support for 3G Handover including multicall	NTT Comware	Agreed	72.
		0438	Open issues list for Multicall and current status in N1	NTT Comware	The N1 agreement to keep the current Transaction Id will introduce a complex situation on interaction with SS services. Vodafone suggested to report to CN#07 that some details of interactions with SS are FFS, although the basic specification seem stable enough.	73.
		0439	Handover scenario for Multicall	NTT Comware	Discussion paper, preliminary to the CR to 23.009. The B2 scenario seems preferable to N2B, not only to N1. The scenario was accepted. NTT Comware confirmed that the spirit of this scenario is reflected in the CRs provided.	74.
		0444	LS on reply to LS on access signalling and mobile station behaviour for Multicall	N1	Presented by NTT Comware. Noted, no reply back expected.	75.
		0440	CR23.008-015r1 on Introduction of Multicall	NTT Comware	Follow up from the Milan meeting. Agreed.	76.
		0441	CR23.016-012r1 on Introduction of subscriber data for Multicall	NTT Comware	Follow up from the Milan meeting. Ericsson noted that in Fig. 7 the names of the parameters might be removed (it was agreed to do so). Revised to 467	77.
		467	CR23.016-012r2 on Introduction of subscriber data for Multicall	NTT Comware	Agreed.	78.
6	Approval of output documents	0445	Proposed LS to S3 on GTP signalling security	Vodafone AirTouch	Approved	
		0457	LS to S2, N1 on Clarification of the Usage of Stream Identity	Vodafone AirTouch	Change of wording proposed by NTT DoCoMo, but not agreed. LS Approved.	
		0455	23.116 v.1.2.0 Supercharger Stage 2	T-Mobil	New section 5.6 was included.	

Agenda item	Agenda item title	Tdoc 3GPP N2B00	Title	Source	Result	
					Revised to 468	
		468	23.116 v.1.2.0 Supercharger Stage 2	T-Mobil	Upgrade to v. 2.1.0 and send it to CN#07. It replaces the equivalent document approved in Milan.	
6.1	CRs				See relevant Annex	
6.2	Liaison statements				See relevant Annex	
7	Review of dates and hosts for future meetings					
8	Close				The N2B Chairman thanked all the delegates for the hard work during the meeting and wished good bve to the N2 plenary in Charleston.	

3GPP TSG CN Working Group 2 Subgroup B
Kista, Sweden
2 - 3 March, 2000

A N N E X A

List of Participants

Name	Organisation	Tel.	e-mail
AIKAWA Shinichiro	Fujitsu	+81 44 754 4196	Aikawa@ss.ts.fujitsu.co.jp
ALLEN Nicholas	Nortel Networks	+44 1628 434493	nallen@nortelnetworks.com
BRUCH Diemo	Alcatel SEL	+49 711 821 47594	D.Bruch@alcatel.de
ENBERG Dan	Telia Mobile AB	+46 86 01 58 29	Dan.g.enberg@telia.se
GARCIA-MENDIVE Elena	Ericsson L.M.	+49 2407 575 205	Elena.Garcia-Mendive@eed.ericsson.se
HABERMANN Steffen	T-Mobil (Deutsche Telekom MobilNet AG)	+49 228 936 3324	steffen.habermann@t-mobil.de
HAMEL Eric	France Télécom	+ 33 1 45 29 68 63	eric.hamel@cnet.francetelecom.fr
HÄNNINEN Jukka	Nokia	+358 40 5576984	jukka.p.hanninen@nokia.com
HU Yun-Chao	Ericsson Radio Systems	+46 8 508 781 53	Yun-Chao.Hu@era.ericsson.se
IGARASHI Takeshi	NTT Software	+81-45-317-7018	rassy@po.ntts.co.jp
KEUTMANN Heinz-Peter	Ericsson L.M.	+49 2407 575 132	Heinz-Peter.Keutmann@eed.ericsson.se
KIKUCHI Masahiro	NTT COMMUNICATIONWARE	+81 43 211 2708	kikuchi.masahiro@promote.nttcom.co.jp
KYMÄLÄINEN Kimmo	Sonera Corporation	+358 405 300 848	Kimmo.Kymalainen@sonera.com
LÓPEZ SORIA Luis	Ericsson L.M.	+34 91 339 2656	luis.lopez-soria@ece.ericsson.se
MÄKINEN Teemu	Nokia	+358 40 5077283	Teemu.Makinen@Nokia.com
MITAMURA Kazuo	NTT COMMUNICATIONWARE	+81 43 211 2708	mitamura.kazuo@promote.nttcom.co.jp
MUHONEN Ahti	Nokia		Ahti.Muhonen@nokia.com
NAPER Hans Petter	Motorola GMBH	+47 92 65 66 44	Hans-Petter_Naper@europe34.mot.com
NIEMI Valtteri	Nokia	+358 40 533 1438	Valtteri.Niemi@nokia.com
PARK Ian	Vodafone Airtouch	+44 1635 673 527	ian.park@vf.vodafone.co.uk ian_park_vf@compuserve.com
PÜTZ Stefan	T-Mobil (Deutsche Telekom MobilNet AG)	+49 228 936 3377	stefan.puetz@t-mobil.de
SAWADA Masahiro	NTT DoCoMo	+81 468 40 3332	masahiro@nw.yrp.nttdocomo.co.jp
SCHMITZ Roland	Deutsche Telekom AG	+49 6151 832033	Roland.Schmitz@telekom.de
SETTIMO Franco	ETSI MCC	+33 4 9294 42 38 +39 348 999 85 84	franco.settimo@etsi.fr
SOEJIMA Miyuki	NTC	+81 44 900 7313	miyuki@mob.ntc.co.jp
TAMURA Toshiyuki	NEC	+81 471 85 6954	Tamura@e1sf.ncos.nec.co.jp
TIETZ Benno	Mannesmann Mobilfunk	+49 211 533 2168	Benno.Tietz@D2mannesmann.de
VINCK Bart	Siemens Atea	+32 14 252592	Bart.Vinck@siemens.atea.be
WIEHE Ulrich	Siemens	+49 6621 169 139	Ulrich.Wiehe@icn.siemens.de
WILD Peter	Mannesmann Mobilfunk GmbH	+49 211 533 3798	Peter.Wild@d2mannesmann.de

3GPP TSG CN Working Group 2 Subgroup BN2
Stockholm, Sweden
2 - 3 March, 2000

A N N E X B

List of Temporary Documents

Tdoc n° 3GPP	Title	Source	Sta
N2B000280	CR 29.002-106r1 on Security for MAP messages	Vodafone AirTouch	Withd
N2B000315	CR 23.018-049 on Introduction of Authentication Failure Report	T-Mobil	Agreed m discu
N2B000316	CR 23.012- on Introduction of Authentication Failure Report	T-Mobil	Agreed m discu
N2B000362	CR 23.018-043r1 on Clarification of NPDB error detection and MNP specific call handling	Nokia	Agr
N2B000363	CR 23.066-015r1 on Clarification of NPDB error detection and MNP specific call handling	Nokia	Agr
N2B000368	CR 23.066-009r1 on Detection of database synchronisation errors in SRF	Ericsson	Revised
N2B000378	MAP Security Proposal	Nortel Networks	No
N2B000385	CR 29.002-110 on Introduction of Authentication Failure Report	T-Mobil	Revised
N2B000391	Draft Agenda	N2B Chairman	Ame
N2B000392	Tdoc allocation to agenda items	N2B Chairman	Ame
N2B000393	N2B meeting report from Milan	MCC	Ame
N2B000394	MAP security proposal	Siemens	No
N2B000395	CR 23.066-008r3 on Alignment of IN interface with Fixed Networks	Ericsson	Revised
N2B000396	LS on Adding the requirement for CN to map the NAS Binding information to RAB ID	R3	LS dr
N2B000397	CR 29.060-033r1 on Addition of Radio Priority to the MM Context and PDP Context IEs	Ericsson/Motorola	Revised
N2B000398	CR 29.060-035r1 on Addition of Packet Flow Id to the PDP Context IE	Ericsson/Motorola	Revised
N2B000399	CR 29.060-072r2 on Clarification on the use of TEID in the GTP header	Ericsson	Revised
N2B000400	CR 29.060-080 on GTP Security	Ericsson	Revised
N2B000401	The stage 2 specification on out of band transcoder control	NEC	Revised
N2B000402	CR 03.18-A060 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1P1.5	No
N2B000403	CR 03.66-A016 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1P1.5	No
N2B000404	CR 03.66-017 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1P1.5	No
N2B000405	CR 23.066-016 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1P1.5	No
N2B000406	CR 23.018-046 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1P1.5	No
N2B000407	CR 23.066-017 on North American Service Provider Number Portability impacts for Mobile Number Portability	T1.P1.5	No
N2B000408	CR 29.060-072r3 on Clarification on the use of TEID in the GTP header	Ericsson	Agr
N2B000409	CR 23.018-047 on O-CSI and D-CSI checks for ORLCF calls	N2A	Agr
N2B000410	CR 29.002-079r3 on Correction of SS Invocation Notification for CCBS	N2A	Revised
N2B000411	CR 23.008-020r1 on CR 23.008-020 on addition of gsmSCF address list to CSI	N2A	Agr
N2B000412	CR 23.008-023r1 on Combined CR on 23.008	N2A	Agr

N2B000413	CR 23.008-024 on Adding D-CSI to table with Negotiated CAMEL Capability Handling variables	N2A	Agr
N2B000414	LS concerning the status of MAP Security	S3	No
N2B000415	LS on Functions of Key Distribution and Key Administration for MAP security	S3	No
N2B000416	LS concerning Enhanced User Identity Confidentiality (EUIIC) Status	S3	No
N2B000417	MAP Security proposal	Alcatel	
N2B000418	CR 23.003-018 on Coding of a deleted P-TMSI signature	N1	Agr
N2B000419	CR 23.009-006 on Introduction of RANAP for intra-UMTS inter-MSC relocation	N1	Endo inform
N2B000420	CR 23.009-007 on Clarifications of 3G_MSC-A and 3G_MSC-B roles	N1	Endo inform
N2B000421	CR 23.018-036r3 Introduction of Enhanced User Identity Confidentiality	T-Mobil	Agr
N2B000422	CR 29.002-092r3 Introduction of Enhanced User Identity Confidentiality	T-Mobil	Revised
N2B000423	2 nd LS on the Transport of Codec Information during the Codec Negotiation between MS and MSC	N1	Withd
N2B000424	CR 23.009-002r2 on Handover scenario for Multicall	N1	
N2B000425	LS on AMR modes & Supported Subflow Combinations	N1	No
N2B000426	CR 29.060-033r2 on Addition of Radio Priority to the SGSN Context Response (revision of 397)	Motorola, Ericsson	Agr
N2B000427	CR 29.060-035r2 on Addition of Packet Flow Id to the SGSN Context Response (revision of 427)	Motorola, Ericsson	Agr
N2B000428	CR 29.060-080r1 on GTP Security	Ericsson	Revised
N2B000429	CR 29.060-082 on Introduction of Enhanced User Identity Confidentiality	T-Mobil	Revised
N2B000430	Stage 2 Specification for OoBTC	NEC	Upgra v.2.0. send
N2B000431	CR 23.018-xxx on ISUP release cause value	Telia	Revised
N2B000432	CR 23.066 on MNP Release 98	Ericsson	Agr
N2B000433	CR 23.066 on MNP Release 99	Ericsson	Agr
N2B000434	CR 23.125 on Multicall supplementary service - Stage 2	NTT Comware	For info to N
N2B000435	CR23.018-025r7 on Addition of the description for Multicall	NTT Comware	Agr
N2B000436	CR29.002-048r5 on Introduction of Multicall	NTT Comware	Revised
N2B000437	CR29.002-100r4 on Support for 3G Handover including multicall	NTT Comware	Revised
N2B000438	Open issues list for Multicall and current status in N1	NTT Comware	
N2B000439	Handover scenario for Multicall	NTT Comware	Acce
N2B000440	CR23.008-015r1 on Introduction of Multicall	NTT COMWARE	Agr
N2B000441	CR23.016-012r1 on Introduction of subscriber data for Multicall	NTT COMWARE	Revised
N2B000442	CR 29.060-xxx on Editorial clarification on Information Elements in the SGSN Context Response	Vodafone AirTouch	Agr
N2B000443	CR 23.018-044 on Setting the destination address for MO calls	Vodafone AirTouch	Agr
N2B000444	Draft LS on reply to LS on access signalling and mobile station behaviour for Multicall	N1	No
N2B000445	LS to S3	Vodafone AirTouch	Appr
N2B000446	CR 29.060-080r2 on GTP Security (Revision of 0428)	Ericsson	Agr
N2B000447	CR 29.002-092r3 Introduction of Enhanced User Identity Confidentiality (Revision of 0422)	T-Mobil	Agr
N2B000448	Alternatives in case of VLR lost of data	T-Mobil	
N2B000449	CR 29.060-082r1 on Introduction of EUIIC (revision of 429)	T-Mobil	Agr
N2B000450	CR 29.002-110r1 on Introduction of Authentication Failure Report (Revision of 368)	Ericsson	
N2B000451	CR 23.066-008r4 on Alignment of IN interface with Fixed Networks (revision of 395)	Ericsson	Agr
N2B000452	Revision of 431	Telia	
N2B000453	CR 29.002-063r2 on MNP data base mismatch	Ericsson	Revised
N2B000454	CR 29.002-110r1 on Introduction of Authentication Failure Report (Revision of 385)	T-Mobil	Agreed m
N2B000455	23.116 v.1.2.0 Supercharger Stage 2	T-Mobil	Revised
N2B000456	CR 29.002-079r4 on Correction of SS Invocation Notification for CCBS (Revision of 0410)	Vodafone AirTouch	Agr
N2B000457	LS to S2, N1on Clarification of the Usage of Stream Identity	Vodafone AirTouch	Appr
N2B000458	CR 29.002-063r2 on MNP data base mismatch	Ericsson	Revised

N2B000459	CR 23.018-050r2 on ISUP release cause value (Revision of 452)	Telia	Revised
N2B000460	CR 23.066-009r3 on Detection of database synchronisation errors in SRF	Ericsson	Agr
N2B000461	CR 29.002-063r4 on MNP data base mismatch	Ericsson	Agr
N2B000462	CR 23.018-050r3 on ISUP release cause value	Telia	Agr
N2B000463	3 rd LS on the Transport of Codec Information during the Codec Negotiation between MS and MSC	N1	No
N2B000464	CR 29.002-048r6 on Introduction of Multicall	NTT Comware	Agreed m
N2B000465	CR 23.009-002r3 on Handover scenario for Multicall	NTT Comware	Pass it if appro e-m
N2B000466	CR29.002-100r5 on Support for 3G Handover including multicall (Revision of 437)	NTT Comware	Agr
N2B000467	CR23.016-012r1 on Introduction of subscriber data for Multicall (Revision of 441)	NTT Comware	Agr
N2B000468	23.116 v.1.2.0 Supercharger Stage 2 (Revision of 455)	T-Mobil	Upgra v.2.1. send to
N2B000469	List of approved output documents	N2B Chairman	Appr

3GPP TSG CN Working Group 2 Subgroup BN2
Stockholm, Sweden
2 - 3 March, 2000

A N N E X C

List of approved CRs

Tdoc	Title	Source
N2B000362	CR 23.018-043r1 on Clarification of NPDB error detection and MNP specific call handling	Nokia
N2B000363	CR 23.066-015r1 on Clarification of NPDB error detection and MNP specific call handling	Nokia
N2B000408	CR 29.060-072r3 on Clarification on the use of TEID in the GTP header	Ericsson
N2B000409	CR 23.018-047 on O-CSI and D-CSI checks for ORLCF calls	N2A
N2B000411	CR 23.008-020r1 on CR 23.008-020 on addition of gsmSCF address list to CSI	N2A
N2B000412	CR 23.008-023r1 on Combined CR on 23.008	N2A
N2B000413	CR 23.008-024 on Adding D-CSI to table with Negotiated CAMEL Capability Handling variables	N2A
N2B000418	CR 23.003-018 on Coding of a deleted P-TMSI signature	N1
N2B000421	CR 23.018-036r3 Introduction of Enhanced User Identity Confidentiality	T-Mobil
N2B000426	CR 29.060-033r2 on Addition of Radio Priority to the SGSN Context Response (revision of 397)	Motorola, Ericsson
N2B000427	CR 29.060-035r2 on Addition of Packet Flow Id to the SGSN Context Response (revision of 427)	Motorola, Ericsson
N2B000432	CR 23.066 on MNP Release 98	Ericsson
N2B000433	CR 23.066 on MNP Release 99	Ericsson
N2B000435	CR23.018-025r7 on Addition of the description for Multicall	NTT Comware
N2B000440	CR23.008-015r1 on Introduction of Multicall	NTT Comware
N2B000442	CR 29.060-xxx on Editorial clarification on Information Elements in the SGSN Context Response	Vodafone AirTouch
N2B000443	CR 23.018-044 on Setting the destination address for MO calls	Vodafone AirTouch
N2B000446	CR 29.060-080r2 on GTP Security (Revision of 0428)	Ericsson
N2B000447	CR 29.002-092r3 Introduction of Enhanced User Identity Confidentiality (Revision of 0422)	T-Mobil
N2B000449	CR 29.060-082r1 on Introduction of EUIC (revision of 429)	T-Mobil
N2B000451	CR 23.066-008r4 on Alignment of IN interface with Fixed Networks (revision of 395)	Ericsson
N2B000456	CR 29.002-079r4 on Correction of SS Invocation Notification for CCBS (Revision of 0410)	Vodafone AirTouch
N2B000460	CR 23.066-009r3 on Detection of database synchronisation errors in SRF	Ericsson
N2B000461	CR 29.002-063r4 on MNP data base mismatch	Ericsson
N2B000462	CR 23.018-050r3 on ISUP release cause value	Telia
N2B000466	CR29.002-100r5 on Support for 3G Handover including multicall (Revision of 437)	NTT Comware
N2B000467	CR23.016-012r1 on Introduction of subscriber data for Multicall (Revision of 441)	NTT Comware
N2B000454	CR 29.002-110r1 on Introduction of Authentication Failure Report (Revision of 385)	T-Mobil
N2B000464	CR 29.002-048r6 on Introduction of Multicall	NTT Comware
N2B000315	CR 23.018-049 on Introduction of Authentication Failure Report	T-Mobil
N2B000316	CR 23.012- on Introduction of Authentication Failure Report	T-Mobil

3GPP TSG CN Working Group 2 Subgroup BN2
Stockholm, Sweden
2 - 3 March, 2000

A N N E X D

List of Approved Liaison Statements

Tdoc	Title	To:
N2B000445	LS toGTP signalling security	S3
N2B000457	LS on Clarification of the Usage of Stream Identity	S2

3GPP TSG CN Working Group 2 Subgroup BN2
Stockholm, Sweden
2 - 3 March, 2000

A N N E X E

List of new specifications

Tdoc	Title	Original Source
N2B000430	Stage 2 Specification for OoBTC	NEC
N2B000468	23.116 v.1.2.0 Supercharger Stage 2 (Revision of 455)	T-Mobil