3GPP TSG_CN **Tdoc NP-000282**
Plenary Meeting #8, Düsseldorf Germany
21ˢᵗ – 23ʳᵈ June 2000

3GPP TSG CN Working Group 4 N4-000203
Charleston (SC), USA
27 – 31 March 2000

Source: **MCC**

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Title: **Draft meeting Report**

Agenda item:

Document for: **Approval**

Agenda item	Agenda item title	Tdoc 3GPP N4-00	Title	Source	Result	
1	**Opening and agenda**		Proposed agenda	N4 Convenor	Clarified that GPRS and GTP will be discussed separately to cope with the specificity of GTP. Agenda approved.	
2	**Document allocation**		Proposed document allocation	N4 Convenor	OoBTC must be considered as Release 2000 issue, with a delivery date for June 2000. Moved to section 7.2.	
3	**Working Procedures**	0059	Proposed Terms of Reference	N4 Convenor	No need for separate working procedures; 3GPP procedures apply.	
			Proposed Working procedures	N4 Convenor		

4	Liaison Statements	0005	LS on Harmonisation of TFO and TrFO	S4	Forward to section 6.8	
		0006	Reply to N1 on ACS and ICM	S4	Forward to section 6.8	
		0009	LS on reply to Liaison Statement on access signalling and mobile station behaviour for Multicall	N1	Forward to section 6.9.1	
		0011	2nd LS on the Transport of Codec Information during the Codec Negotiation between MS and MSC	N1	Forward to section 6.8	
		0012	LS on TrFO Break procedure (N1-000264 & N1-000367)	N1	Forward to section 6.8	
		0013	LS on N1 Working Status of the working plan on OoBTC in R99	N1	Forward to section 6.8	
		0014	Liaison statement on the status of Multicall	N1	Forward to section 6.9.1	
		0015	LS to CN WG2B proposing a new Specification "Application Part (RANAP) on the E-interface"; 29.108	N1	Forward to section 6.5	
		0016	LS on Length of QoS IE	N1	Forward to section 6.4	
		0017	3rd LS on the Transport of Codec Information during the Codec Negotiation between MS and MSC	N1	Forward to section 6.8	
		0018	Response to LS (S2-000302) on RAB information and Lossless RNS relocation signalling	R2	Forward to section 6.9.2	
		0019	LS on coding of RAB ID	R3	Forward to section 6.9.2	
		0020	Response Liaison to SA4 on Harmonisation of TFO and TrFO	R3	Forward to section 6.8	
		0021	Answer to LS on Functions of Key Distribution and Key Administration for MAP security	S2	Forward to section 7.1	

		0022	Liaison statement on RAB information and Lossless RNS relocation signalling	S2	Forward to section 6.9.2	
		0023	Liaison response to S3's LS (S3-000190) on Functions of Key Distribution and Key Administration for MAP security	S5	Forward to section 7.1	
		0024	Subscriber and equipment trace for PS domain	S5	Forward to section 6.9.3	
		0025	Response to LS on Trace Specification for UMTS	S5	Forward to section 6.9.3	
		0049	LS on Transcoder Free Operation (TrFO) and Out of Band Transcoder Control (OoBTc) for R99	S2	Forward to section 6.8	
5	**Work Item Management**	0008	New work item structure	Ian Park		
6	**Release 99**					
6.1	**Camel Phase 3**	0063	CR 29.002-124 on CAMEL Subscription Info	Siemens	Ericsson (and Vodafone AirTouch) noted that Category F does not seem to reflect the many functional modifications features. It should be Category C (Functional modification of a Feature). Vodafore AirTouch volunteered in helping Siemens to refine the description of the additional parts, to improve understanding. Although it was found a bit late to introduce functional modifications for Release 99, Nokia observed it is a useful enhancement. In summary, no major objections to the CR for Release 99 but more time to discuss it at home was requested. If the issue is found contentious, then it should be discussed again in Rotenburg. In the latter case, the CR will be resubmitted by the originator.	
		0069	CR 29.002-124r1 on CAMEL Subscription Info	Siemens	VLR to be changed to SGSN in the SGSN CAMEL Subscription Info. The change has been performed. Posted to e-mail discussion.	
		0078	CR 23.008-028 on CR 23.008 draft version 3.3.0	N2	Alcatel presented the changes to the Spec, as endorsed by N2. Revised to Tdoc 097.	

		0079	CR 29.002-126 on Disallowing Compound Basic Service group codes for conditional triggering	Ericsson	Eventually the CR was postponed.	
		0087	CR 23.018-045r1 on Correction of CAMEL Incoming Call Handling	N2	Presented by NTT. Modified on suggestion of Vodafone AirTouch. The CR is linked to 23.078-123, and should be stated clearly on the coversheet. The editorial nature of the CR should also be specified. Agreed with editorial modifications. Ask Ian the revised version for the archive.	
		0090	CR 29.002-122r1 on Proposed information flow on NSDC	N2	Presented by NTT Comware. Work Item is CAMEL Phase 3, not 4. *Data missing* error should be added to the user error causes list. Additions to the ASN.1 must be provided as well. Segmentation is required: it has been considered in the SDL according to the source of the CR, but more changes are needed (NULL data type). Revised to 0100.	
		0098	CR 29.002-115r1 on Minor corrections to CAMEL3 NSDC/ATM/ATSI Information flows	N2	Briefly presented by Nokia. Agreed.	
		0097	CR 23.008 draft version 3.3.0 (revision of 078)	N2	Agreed	
		0099	CR 23.018-051r2 on Correction for Active Retrieval of Location Information Procedure	N2	France Telecom R&D objected about the reason for change. Seems that applicability of the CR to UMTS is doubtful: the CR should cover both GSM and UMTS cases. The CR was sent back to N2, with the request to complete the CR for UMTS. CR rejected.	
		0100	CR 29.002-122r2 on Proposed information flow on NSDC	N2	Circulated by correspondence.	
6.2	**Mobile Number Portability**					
6.3	**GPRS**	0038	CR 29.060-092 on Clean up for 29.060	Fujitsu	A few editorial amendments suggested by Vodafone AirTouch in chapter 8.2. Revised to 0070	

		0070	CR 29.060-092r1 on Clean up for 29.060	Fujitsu	Agreed	
		N2B217	CR 23.008-017 on Addition of subscribed charging characteristics information	Nokia	Previously discussed in Kyoto. Agreed.	
		N2B218	CR 23.016-013 on Addition of information related to charging	Nokia	Previously discussed in Kyoto. MCC **(Action Point)** was requested to install the font LIne Draw in 23.007, to enable a better view of the figures in the document. Modification to sect. 4.3.1 required. Revised to 071.	
		0071	CR 23.016-013r1 on Addition of information related to charging	Nokia	Agreed.	
6.3.1	**QoS**	0047	CR 29.002-120 on QoS-Subscribed field enhancements	NTT Software	An ASN.1 part, included in Kyoto, was eventually found redundant and removed from the CR. Revised to 073	
		0073	CR 29.002-120r1 on QoS-Subscribed field enhancements	NTT Software	Agreed.	
		0016	LS on Length of QoS IE	N1	Noted	
		0043	CR 29.060-094 on QoS Profile IE modification.	NTT Software	The CR number was corrected in the document and three editorial changes were proposed by Vodafone AirTouch. Revised to 072	
		0072	CR 29.060-094r1 on QoS Profile IE modification.	NTT Software	Agreed.	
6.4	**GTP**	0026	CR 29.060-084 on 16-bit PDCP sequence numbers in GTP header	Nokia	Some discussions already took place in Milan. An editorial comment was raised by Vodafone AirTouch and implemented on line. Agreed.	
		0030	CR 29.060-085 on Mandatory inclusion of IMSI in SGSN Context Response if P-TMSI Signature Mismatch	Nortel Networks	Reference to 23.007 should be made in the front page. Agreed.	

		0033	CR 29.060-087 on Reliable delivery of signalling messages	Ericsson	This CR is linked to a corresponding CR to 23.060 and they should be approved as a package. NEC and Nortel supported the view that the Stage 2 CR would be approved yet. The CR was postponed. N4 should see and analyse the CR to 23.060 before reconsidering the CR to 29.060 in Rotenburg. It will be attached for information to a LS that needs to be drafted to S2.	
		0034	CR 29.060-088 on Possible cause codes for Relocation Cancel Response	Ericsson	IMSI Not Known to be removed by the CR. Ericsson will consult with colleagues at home. The CR was postponed for the time being. Nortel Networks proposed a CR to delete the PDP Context Response. Eventually agreed	
		0074	CR 29.060-099 on Addition of response code Delete PDP Context Response	Nortel Networks	Revised to 083.	
		0035	CR 29.060-089 on Condition for evaluating the sequence number fields in PDP context	Ericsson	Work Item on the coversheet should be GTP enhancements. Agreed.	
		0036	CR 29.060-090 on Target RNC Information	Ericsson	Some editorial changes were suggested by Vodafone AirTouch: *One or more* instead of *single number or plural number* in the first modified section. Revised to 075	
		0075	CR 29.060-090r1 on Target RNC Information	Ericsson	Agreed	
		0037	CR 29.060-091 on Change of the length of TI	Fujitsu	An explicit evidence of how the bits of the Transaction Identifier are ordered (in case they are 12) is necessary, according to Vodafone AirTouch. Same encoding of 24.007 for the Transaction Identifier should be adopted *The encoding is defined in 3G TS 24.007* was the sentence proposed as replacement. Revised to 076	
		0076	CR 29.060-091r1 on Change of the length of TI	Fujitsu	Agreed	

		0039	CR 29.060-093 on Clarification on the TEID handling	Fujitsu	The principles of the document were agreed. They will be implemented by Fujitsu in a CR to be submitted to Rotenburg. The CR needs to be redrafted using appropriate text (as soon as 29.060 v.3.4.0 is available).	
		0043	CR 29.060-094 on QoS Profile IE modification.	NTT Comware	Revised to 072	
		0072	CR 29.060-094r1 on QoS Profile IE modification.	NTT Comware	Agreed	
		0046	CR 29.060-095 on GTP Security	Nortel Networks	Work Item to be changed to GTP Security and subject will be Secure transport of GTP. It seems that the objective of the CR is to achieve Separation of security from the GTP level and the IP level. CR postponed to the next N4 meeting waiting for response from S3. Vodafone AirTouch will draft a Liaison Statement on the issue.	
		0048	CR 29.060-096 on Restart counter in Echo Response	Ericsson	A few editorial remarks were raised by Vodafone AirTouch. Agreed with some small changes, recorded by MCC in the document.	
		0051	CR 29.060-097 on Clarification on the use of TEID in the GTP-C header	NTT Software	Principles agreed but needs to be drafted on v3.4.0. Revised document 081	
		0081	CR 29.060-097r1 on Clarification on the use of TEID in the GTP-C header	NTT Software	Agreed with minor editorial changes, performed in real time.	
		0055	CR 29.060-098 on Add APN IE for PDU Notification Reject Request message	NEC	Agreed after some modifications to the coversheet.	
		0074	CR 29.060-099 on Addition of response code Delete PDP Context Response	Nortel Networks	Revised to 083 (there is a plurality of cause values) and a sentence has been added.	
		0083	CR 29.060-099r1 on Addition of response code Delete PDP Context Response	Nortel Networks	Agreed	

		0082	CR 29.060-093r1 on Clarification on the TEID handling	Fujitsu	**Action Point Franco Settimo (MCC)**: as soon as the CR is implemented in the Spec, change everywhere T*unnel Endpoint Identifier Signalling* with **Tunnel Endpoint Identifier for Signalling**. In the case of Data, followed by I or II, these last will appear in brackets. Revised to 101.	
		0101	CR 29.060-093r2 on Clarification on the TEID handling	Fujitsu	Agreed with no further presentation.	
6.5	**Handover**	0015	LS to CN WG2B proposing a new Specification "Application Part (RANAP) on the E-interface"; 29.108	N1	Prime responsibility of 29.018 should lie in R3, secondary in N4. Ericsson volunteered to contact their N1 colleague to better clarify the extent of the discussion and avoid that a Spec is sent to and fro between working groups. LS drafted by Ericsson (0084) to clarify N4 position.	
		0050	CR 29.002-121 on Correction of introduction of additional service parameters for inter-system handover	Alcatel	No need for an X in the box of affected Specs. Agreed	
		0067	New TS 29.018 Application Type RANAP on the E-interface	Siemens	Noted	
6.6	**Location Services**	0052	CR 23.007-005 on Clarifications on GSM vs. UMTS specific parts	Nokia	Some parts of the Spec needed to be defined as GSM only. Editorial modifications on the cover sheet. Agreed.	
		0053	CR 23.008-027 on Clarifications on GSM vs. UMTS specific parts	Nokia	Some parts of the Spec needed to be defined as GSM only. Editorial modifications on the cover sheet. Agreed.	
		0054	CR 23.016-014 on Clarifications on GSM vs. UMTS specific parts	Nokia	Some parts of the Spec needed to be defined as GSM only. Editorial modifications on the cover sheet. Agreed.	
		0061	CR 24.030-001 on Clarifications on GSM vs. UMTS specific parts	Nokia	Not linked to the previous 3G Specs. CR number to be assigned, as soon as the data base status is retrieved by MCC. Revised to 085	
		0085	CR 24.030-001r1 on Clarifications on GSM vs. UMTS specific parts	Nokia	Agreed	
		0068	CR 29.002-125 on Clarification to GMLC list definition	Nokia	To align 29.002 with 09.02. Agreed.	

6.7	Call Forwarding Enhancements	0040	CR 23.079-014 on Indication in PRN of support of Long FTNs	Vodafone AirTouch	Discussed in conjunction with Tdocs 0041 and 0042. Agreed	
		0041	CR 23.082-006 on Indication in PRN of support of Long FTNs	Vodafone AirTouch	Agreed	
		0042	CR 29.002-118 on Indication in PRN of support of Long FTNs	Vodafone AirTouch	Some editorial changes were suggested by Ericsson. Revised to 89	
		0089	CR 29.002-118r1 on Indication in PRN of support of Long FTNs	Vodafone AirTouch	Agreed	
6.8	AoB					
6.8.1	Multi Call	0009	LS on reply to Liaison Statement on access signalling and mobile station behaviour for Multicall	N1	Noted	
		0014	Liaison statement on the status of Multicall	N1	Noted	
6.8.2	RAB (Radio Access Bearer)	0018	Response to LS (S2-000302) on RAB information and Lossless RNS relocation signalling	R2	Sent in copy to N4. Noted.	
		0019	LS on coding of RAB ID	R3	Sent in copy to N4.Noted.	
		0022	Liaison statement on RAB information and Lossless RNS relocation signalling	S2	Sent in copy to N4. Noted.	
6.8.3	Tracing	0024	Subscriber and equipment trace for PS domain	S5	S5 seems to be happy with the work performed by N2 and S2 on tracing, but they will finalise their work on tracing for Release 2000 (no time to do it for Release 99). No action for N4. Noted.	
		0025	Response to LS on Trace Specification for UMTS	S5	Noted. No action on N4 side.	
7	Release 2000					
7.1	MAP Signalling Security	0021	Answer to LS on Functions of Key Distribution and Key Administration for MAP security	S2	Noted	

		0023	Liaison response to S3's LS (S3-000190) on Functions of Key Distribution and Key Administration for MAP security	S5	Noted.	
		0077	Modelling principles for secure MAP transport	Vodafone AirTouch	Guidelines reported in the document were accepted as working assumptions.	
7.2	**Out-of-Band Transcoder Control**	0005	LS on Harmonisation of TFO and TrFO	S4	Presented by Ericsson in the absence of a contact person in the document. See also Tdoc 0020. Noted.	
		0006	Reply to N1 on ACS and ICM	S4	Noted	
		0011	2nd LS on the Transport of Codec Information during the Codec Negotiation between MS and MSC	N1	Superseded by Tdoc 0017.	
		0012	LS on TrFO Break procedure (N1-000264 & N1-000367)	N1	Nortel and Ericsson proposed to discuss this LS at the workshop on OoBTC. Ericsson will forward the LS on behalf of N4.	
		0013	LS on N1 Working Status of the working plan on OoBTC in R99	N1	Noted, no impact on N4.	
		0017	3rd LS on the Transport of Codec Information during the Codec Negotiation between MS and MSC	N1	Already discussed in Kista. Noted	
		0020	Response Liaison to SA4 on Harmonisation of TFO and TrFO	R3	S2 is planning a workshop jointly with N2 and R3. The meeting agrees to have the workshop: dates proposed were April 24 (public holiday in most European Countries) and May 8th. N4 is going to indicate 8th of May. Nokia took the action point of drafting a response to the S2 e-mail list. Five/six delegates (Siemens, NTT DoCoMo, Alcatel, Nortel Networks, Ericsson, NEC) from N4.

The meeting agreed that the suggestion of the CN plenary to split 23.153 into R99 and R00 does not make sense. N4 proposes to forward the whole Out of Band Transcoder Control activity to Release 2000.

Noted | |

		0049	LS on Transcoder Free Operation (TrFO) and Out of Band transcoder Control (OoBTc) for R99	S2	Already discussed during the CN plenary. It is wise to forward this document to the workshop on TrFO since it lists all the open issues. Ericsson volunteered to forward it to the workshop.	
		0044	CR 29.002-119 on Indication to select transcoder in MSC-B	Ericsson	Postponed until tomorrow, to get convincing arguments for FT. Eventually decided to discuss it by correspondence. MCC will post it on the server at the end of this week. Two weeks window for sending comments, one week window for the Editor to perform the changes. Afterwards, 4 working days time to challenge the Chairman decision	
		0045	Proposed stage 2 for OoBTC in R99	Ericsson	Withdrawn	
		0056	Choice of the User plane protocol	NEC	NTT DoCoMo requested to clarify the advantage of using I366.3 as a transport mechanism. Interesting material to input to the workshop, according to Ericsson. Document noted. The mandate for the workshop should concentrate on: • Out of Band Transcoder issues • Harmonisation between TrFO and TFO • TFO relevant within the Core Network.	
8	**GSM Maintenance**	0027	CR 09.02-A286 on Using DSD to delete CCBS-B from the subscriber	Nokia	Revised to 092	
		0092	CR 09.02-A286r1 on Using DSD to delete CCBS-B from the subscriber	Nokia	Agreed	
		0028	CR 09.02-A287 on Using DSD to delete CCBS-B from the subscriber	Nokia	Revised to 093	
		0093	CR 09.02-A287r1 on Using DSD to delete CCBS-B from the subscriber	Nokia	Agreed	
		0029	CR 29.002-117 on Using DSD to delete CCBS-B from the subscriber	Nokia	Revised to 94	

		0094	CR 29.002-117r1 on Using DSD to delete CCBS-B from the subscriber	Nokia	Agreed	
		0031	CR 29.060-086 on Encoding of spare IMSI Digits	Nortel Networks	Some comments were raised by Vodafone AirTouch about binary codlings. Revised to 096	
		0096	CR 29.060-086r1 on Encoding of spare IMSI Digits	Nortel Networks	Agreed	
		0032	CR 09.60-A084 on Encoding of spare IMSI Digits	Nortel Networks	Revised to 095	
		0095	CR 09.60-A084r1 on Encoding of spare IMSI Digits	Nortel Networks	Agreed	
9	**AoB**					
	Work Programme Management	0064	Proposal for the Release 2000 Features, Building Blocks and Work Tasks v.0.9	MCC	The items indicated in yellow are identified as pertaining to the Core Network Environment and possibly to N4.	
10	**Review of dates and hosts for future meetings**				Workshop on TFO on 8th of May (proposed date). The venue will be Sweden. N4#02 Rotenburg a.d. Folda: 22 - 26 May hosted by Siemens N4#03 Budapest (Hungary) 17 - 21 July hosted by Nokia N4#04 Seattle (USA) 28 August - 1st September hosted by T1P1 N4#05 Paris (France) 13 - 17 November hosted by Alcatel. By the next meeting it is time to start looking for hosts in the year 2001. **Action Point Franco**: to check with John Meredith what is the procedure for the submission of candidatures. Prior to this, however, probably a letter has to be sent out to all 3GPP member companies informing them that there will be the election of Chairman and Vice Chairmen.	

| 11 | **Closing of the meeting (15:30 Friday)** | | | | The N4 Convenor thanked the host for the excellent arrangement of the meeting, which was closed in advance in respect to the original schedule. | |

3GPP TSG CN Working Group 4
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A N N E X   A

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A N N E X B

LIST OF TEMPORARY Documents

Tdoc n° 3GPP	Title	Source	Status
N2B000217	CR 23.008-017 on Addition of subscribed charging characteristics information	Nokia	**Agreed**
N2B000218	CR 23.016-013 on Addition of information related to charging	Nokia	Revised to 071
N4-000001	Agenda	Ian Park	Approved
N4-000002	Tdoc allocation to agenda items	Ian Park	Noted
N4-000003	Kista meeting report	MCC	Approved
N4-000004	Milan meeting report	MCC	Approved
N4-000005	LS on Harmonisation of TFO and TrFO	S4	Noted
N4-000006	Reply to N1 on ACS and ICM	S4	Noted
N4-000007	Summary report of the TSG-CN and TSG-SA meetings	Ian Park	Noted
N4-000008	New work item structure	Ian Park	Noted
N4-000009	LS on reply to Liaison Statement on access signalling and mobile station behaviour for Multicall	N1	Noted
N4-000010	Proposal for the Release 2000 IGCs, Features, Building Blocks and Work Tasks"	MCC	Revised to 064
N4-000011	2nd LS on the Transport of Codec Information during the Codec Negotiation between MS and MSC	N1	Superseded (see 017)
N4-000012	LS on TrFO Break procedure (N1-000264 & N1-000367)	N1	Postponed
N4-000013	LS on N1 Working Status of the working plan on OoBTC in R99	N1	Noted
N4-000014	Liaison statement on the status of Multicall	N1	Noted
N4-000015	LS to CN WG2B proposing a new Specification "Application Part (RANAP) on the E-interface"; 29.108	N1	

N4-000016	LS on Length of QoS IE	N1	Noted
N4-000017	3rd LS on the Transport of Codec Information during the Codec Negotiation between MS and MSC	N1	Noted
N4-000018	Response to LS (S2-000302) on RAB information and Lossless RNS relocation signalling	R2	Noted
N4-000019	LS on coding of RAB ID	R3	Noted
N4-000020	Response Liaison to SA4 on Harmonisation of TFO and TrFO	R3	Noted
N4-000021	Answer to LS on Functions of Key Distribution and Key Administration for MAP security	S2	Noted
N4-000022	Liaison statement on RAB information and Lossless RNS relocation signalling	S2	Noted
N4-000023	Liaison response to S3's LS (S3-000190) on Functions of Key Distribution and Key Administration for MAP security	S5	Noted
N4-000024	Subscriber and equipment trace for PS domain	S5	Noted
N4-000025	Response to LS on Trace Specification for UMTS	S5	Noted
N4-000026	CR 29.060-084 on 16-bit PDCP sequence numbers in GTP header	Nokia	**Agreed**
N4-000027	CR 09.02-A286 on Using DSD to delete CCBS-B from the subscriber	Nokia	Revised to 092
N4-000028	CR 09.02-A287 on Using DSD to delete CCBS-B from the subscriber	Nokia	Revised to 093
N4-000029	CR 29.002-117 on Using DSD to delete CCBS-B from the subscriber	Nokia	Revised to 094
N4-000030	CR 29.060-085 on Mandatory inclusion of IMSI in SGSN Context Response if P-TMSI Signature Mismatch	Nortel Networks	**Agreed**
N4-000031	CR 29.060-086 on Encoding of spare IMSI Digits	Nortel Networks	Revised to 096
N4-000032	CR 09.60-A084 on Encoding of spare IMSI Digits	Nortel Networks	Revised to 095
N4-000033	CR 29.060-087 on Reliable delivery of signalling messages	Ericsson	Postponed
N4-000034	CR 29.060-088 on Possible cause codes for Relocation Cancel Response	Ericsson	**Agreed**
N4-000035	CR 29.060-089 on Condition for evaluating the sequence number fields in PDP context	Ericsson	**Agreed**
N4-000036	CR 29.060-090 on Target RNC Information	Ericsson	Revised to 075
N4-000037	CR 29.060-091 on Change of the length of TI	Fujitsu	Revised to 076
N4-000038	CR 29.060-092 on Clean up for 29.060	Fujitsu	Revised to 070
N4-000039	CR 29.060-093 on Clarification on the TEID handling	Fujitsu	Principles agreed
N4-000040	CR 23.079-014 on Indication in PRN of support of Long FTNs	Vodafone AirTouch	**Agreed**
N4-000041	CR 23.082-006 on Indication in PRN of support of Long FTNs	Vodafone AirTouch	**Agreed**
N4-000042	CR 29.002-118 on Indication in PRN of support of Long FTNs	Vodafone AirTouch	Revised to 089
N4-000043	CR 29.060-094 on QoS Profile IE modification.	NTT Software	Revised to 072
N4-000044	CR 29.002-119 on Indication to select transcoder in MSC-B	Ericsson	E-mail discussion **then withdrawn**

N4-000045	Proposed stage 2 for OoBTC in R99	Ericsson	Withdrawn
N4-000046	CR 29.060-095 on Secure transport of GTP	Nortel Networks	Postponed
N4-000047	CR 29.002-120 on QoS-Subscribed field enhancements	NTT Software	Revised to 073
N4-000048	CR 29.060-096 on Restart counter in Echo Response	Ericsson	**Agreed**
N4-000049	LS on Transcoder Free Operation (TrFO) and Out of Band transcoder Control (OoBTc) for R99	S2	For the TrFO workshop
N4-000050	CR 29.002-121 on Correction of introduction of additional service parameters for inter-system handover	Alcatel	**Agreed**
N4-000051	CR 29.060-097 on Clarification on the use of TEID in the GTP-C header	NTT Software	Revised to 081
N4-000052	CR 23.007-005 on Clarifications on GSM vs. UMTS specific parts	Nokia	**Agreed**
N4-000053	CR 23.008-027 on Clarifications on GSM vs. UMTS specific parts	Nokia	**Agreed**
N4-000054	CR 23.016-014 on Clarifications on GSM vs. UMTS specific parts	Nokia	**Agreed**
N4-000055	CR 29.060-098 on Add APN IE for PDU Notification Reject Request message	NEC	**Agreed**
N4-000056	Choice of the User plane protocol	NEC	Noted
N4-000057	Proposed agenda N4 meeting	N4 Convenor	Approved
N4-000058	Proposed document allocation	N4 Convenor	Approved
N4-000059	Proposed Terms of Reference	N4 Convenor	Revised to 103
N4-000060	Proposed Working procedures	N4 Convenor	Withdrawn
N4-000061	CR 24.030-001 on Clarifications on GSM vs. UMTS specific parts	Nokia	Revised to 085
N4-000062	Response LS on CDR creation for non-charging liable subscriptions	S5	
N4-000063	CR 29.002-124 on CAMEL Subscription Info	Siemens	FFS
N4-000064	Proposal for the Release 2000 Features, Building Blocks and Work Tasks v.0.9	MCC	Revised to 0102
N4-000065	Proposed definitions of "Feature", "Building Block" and "Work Task"	MCC	Noted
N4-000066	Examples of Features, Building Blocks and Work Tasks	MCC	Noted
N4-000067	New TS 29.018 Application Part RANAP on E interface	Siemens	Noted
N4-000068	CR 29.002-125 on LCS	Nokia	**Agreed**
N4-000069	CR 29.002-124r1 on CAMEL Subscription Info (Revision of 0063)	Siemens	E-mail discussion **(MCC)**
N4-000070	CR 29.060-092r1 on Clean up for 29.060 (Revision of 038)	Fujitsu	**Agreed**
N4-000071	CR 23.016-013r1 on Addition of information related to charging	Nokia	**Agreed**
N4-000072	CR 29.060-094r1 on QoS Profile IE modification (Revision of Tdoc 043)	NTT Software	**Agreed**
N4-000073	CR 29.002-120r1 on QoS-Subscribed field enhancements (revision of 047)	NTT Software	**Agreed**
N4-000074	CR to 29.060-099 on Addition of response code Delete PDP Context Response	Nortel Network	Revised to 083

N4-000075	CR 29.060-090r1 on Target RNC Information (Revision of 036)	Ericsson	**Agreed**
N4-000076	CR 29.060-091r1 on Change of the length of TI (Revision of 037)	Fujitsu	**Agreed**
N4-000077	Modelling principles for secure MAP transport	Vodafone AirTouch	Principles accepted
N4-000078	CR 23.008-028 on draft version 3.3.0	N2	Revised to 097
N4-000079	CR 29.002-126 on Disallowing Compound Basic Service group codes for conditional triggering	N2	Postponed
N4-000080	Proposed Liaison statement to TSG-S WG3 on GTP Signalling Security	Vodafone AirTouch	Revised to 104
N4-000081	CR 29.060-097r1 on Clarification on the use of TEID in the GTP-C header (Revision of 051)	NTT Software	**Agreed**
N4-000082	CR 29.060-093r1 on Clarification on the TEID handling (Revision of 039)	Fujitsu	Revised to 101
N4-000083	CR 29.060-099r1 on Addition of response code Delete PDP Context Response	Nortel Networks	**Agreed**
N4-000084	Draft Response Liaison on new Specification "Application Part (RANAP) on the E-interface"; 29.108	Ericsson	**Approved**
N4-000085	CR 24.030-001r1 on Clarifications on GSM vs. UMTS specific parts (Revision of 061)	Nokia	**Agreed**
N4-000086	Response from Ahti to S2	Nokia	
N4-000087	CR 23.018-045r1 on Correction of CAMEL Incoming Call Handling	N2	**Agreed**
N4-000088	Choice of the User plane protocol	NEC	
N4-000089	CR 29.002-118r1 on Indication in PRN of support of Long FTNs (Revision of 042)	Vodafone AirTouch	**Agreed**
N4-000090	CR 29.002-122r1 on Proposed information flow on NSDC	N2	Revised to 100
N4-000091	Coversheet for a pair of LSs to the workshop	Ericsson	Yun Chao will convey it
N4-000092	CR 09.02-A286r1 on Using DSD to delete CCBS-B from the subscriber (Revision of 027)	Nokia	**Agreed**
N4-000093	CR 09.02-A287 on Using DSD to delete CCBS-B from the subscriber (Revision of 028)	Nokia	**Agreed**
N4-000094	CR 29.002-117r1 on Using DSD to delete CCBS-B from the subscriber (Revision of 029)	Nokia	**Agreed**
N4-000095	CR 29.060-086r1 on Encoding of spare IMSI Digits (Revision of 032)	Nortel Networks	**Agreed**
N4-000096	CR 09.60-A084r1 on Encoding of spare IMSI Digits (Revision of 031)	Nortel Networks	**Agreed**
N4-000097	CR 23.008 draft version 3.3.0 (Revision of 078)	N2	**Agreed**
N4-000098	CR 29.002-115r1 on Minor corrections to CAMEL3 NSDC/ATM/ATSI Information flows	N2	**Agreed**
N4-000099	CR 23.018-051r2 on Correction for Active Retrieval of Location Information Procedure	N2	Rejected
N4-000100	CR 29.002-122r2 on Proposed information flow on NSDC	N2	**Agreed by E-mail**

			approval
N4-000101	CR 29.060-093r2 on Clarification on the TEID handling (revision of)	Fujitsu	**Agreed**
N4-000102	Proposal for the Release 2000 Features, Building Blocks and Work Tasks v.0.9 (as revised by N4)	N4	To be forwarded to Helsinki
N4-000103	N4 Terms of Reference	N4	
N4-000104	Proposed Liaison statement to TSG-S WG3 on GTP Signalling Security (Revision of 080)	Vodafone AirTouch/ Nortel Networks	**Approved**

3GPP TSG CN Working Group 4
Charleston (SC), USA
27 – 31 March 2000

A N N E X   C

LIST OF Approved Change Requests

TDoc	SPEC	CR	REV	PHASE	VERS	SUBJECT	CAT	WORKITEM
N4-000087	23.018	045	1	R99	3.4.0	Correction of CAMEL Incoming Call Handling	D	CAMEL Phase 3
N4-000097	23.008	026	2	R99	3.3.0	Editorial changes on 23.008 draft version 3.2.0	F	CAMEL Phase 3
N4-000098	29.002	115	1	R99	3.4.0	Activation of TDPs in the call related CSIs on DP basis	F	CAMEL Phase 3
N4-000092	09.02	A286	1	R97	6.7.0	Using DSD to delete CCBS-B from the subscriber	F	CCBS
N4-000093	09.02	A287	1	R98	7.4.0	Using DSD to delete CCBS-B from the subscriber	A	CCBS
N4-000094	29.002	117	1	R99	3.4.0	Using DSD to delete CCBS-B from the subscriber	A	CCBS
N4-000100	29.002	122	2	R99	3.4.0	Proposed information flow on NSDC	C	CAMEL Phase 3
N4-000040	23.079	014		R99	3.2.0	Indication in PRN of support of Long FTNs	F	CF enhancements
N4-000041	23.082	006		R99	3.2.0	Indication in PRN of support of Long FTNs	F	CF enhancements
N4-000089	29.002	118	1	R99	3.4.0	Indication in PRN of support of Long FTNs	F	CF enhancements
N4-000070	29.060	092	1	R99	3.4.0	Clean up for 29.060	F	GPRS
N4-000101	29.060	093	2	R99	3.4.0	Clarification on the TEID handling	F	GTP enhancement
N4-000026	29.060	084		R99	3.4.0	16-bit PDCP sequence numbers in GTP header	F	GTP enhancements
N4-000035	29.060	089		R99	3.4.0	Condition for evaluating the sequence number fields in PDP	F	GTP enhancements
N4-000048	29.060	096		R99	3.4.0	Restart counter in Echo Response	F	GTP enhancements
N4-000055	29.060	098		R99	3.4.0	Add APN IE for PDU Notification Reject Request	F	GTP enhancements
N4-000075	29.060	090	1	R99	3.4.0	Target RNC Information	F	GTP enhancements
N4-000076	29.060	091	1	R99	3.4.0	Change of the length of TI	F	GTP enhancements
N4-000081	29.060	097	1	R99	3.4.0	Clarification on the use of TEID in the GTP-C header	F	GTP enhancements
N4-000083	29.060	099	1	R99	3.4.0	Addition of response code Delete PDP Context Response	F	GTP enhancements
N4-000050	29.002	121		R99	3.4.0	Correction of introduction of additional service parameters		Handover
N4-000052	23.007	005		R99	3.2.0	Clarifications on GSM vs. UMTS specific parts	F	LCS
N4-000053	23.008	027		R99	3.3.0	Clarifications on GSM vs. UMTS specific parts	F	LCS

N4-000054	23.016	014		R99	3.3.0	Clarifications on GSM vs. UMTS specific parts	F	LCS
N4-000068	29.002	125		R99	3.4.0	Clarification to GMLC List definition	A	LCS
N4-000085	24.030	001	1	R99	3.0.0	Clarifications on GSM vs. UMTS specific parts	F	LCS
N4-000072	29.060	094	1	R99	3.4.0	QoS Profile IE modification	C	QoS enhancements
N4-000073	29.002	120	1	R99	3.4.0	QoS-Subscribed field enhancements	F	QoS enhancements
N2B000217	23.008	017		R99	3.3.0	Addition of subscribed charging characteristics information	B	TEI
N4-000030	29.060	085		R99	3.4.0	Mandatory inclusion of IMSI in SGSN Context Response if P-	C	TEI
N4-000034	29.060	088		R99	3.4.0	Possible cause codes for Relocation Cancel Response	F	TEI
N4-000071	23.016	013	1	R99	3.4.0	Addition of information related to charging	B	TEI
N4-000095	09.60	A084	1	R99	7.4.0	Encoding of spare IMSI Digits	F	TEI
N4-000096	29.060	086	1	R99	3.4.0	Encoding of spare IMSI Digits	F	TEI

3GPP TSG CN Working Group 4
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LIST OF Approved Liaison Statements

Tdoc No.	Title	Source	Destination
N4-000084	Draft Response Liaison on new Specification "Application Part (RANAP) on the E-interface"; 29.108	Ericsson	**N1, R3**
N4-000104	Proposed Liaison Statement to TSG-S WG3 on GTP Signalling Security	Vodafone AirTouch/ Nortel Networks	**S3**