3GPP TSG_CN　　　　　　　　　　　　　　　　　　**Tdoc NP-000284**
Plenary Meeting #8, Dusseldorf, Germany
21st – 23rd June 2000

Source:	**TSG_N WG4**
Title:	**All** Liaison Statements sent out by N4
Agenda item:	**4.1**
Document for:	**INFORMATION**

<u>**Introduction:**</u>

This document contains **"8"** LSs that have been agreed by **TSG_N WG4,** and are forwarded to **TSG_N Plenary** meeting #8 for information.

Tdoc No.	Title	Destination
N4-000084	LS on new Specification "Application Part (RANAP) on the E-interface"; 29.108	N1, R3
N4-000104	LS on GTP Signalling Security	S3
N4-000325	LS on GPRS Charging Characteristics	S5
N4-000331	LS response on Service Modification without Pre-notification	N3
N4-000340	LS on Race conditions avoidance	N1, S2
N4-000356	LS on UTRAN Identifiers in TS 25.401	R3
N4-000363	LS on GTP signalling security	S3
N4-000364	LS on positive authentication reporting on network performance	S3, TIA TR-45 AHAG (via CN)
N4-000366	LS to on Key Exchange and Key Distribution	S3, S5
N4-000385	LS response on Global solution of "Cause of no CLI"	N1

3GPP TSG CN Working Group 4   **Tdoc N4-000084**
Charleston, **USA**
27 - 31 March, 2000

Source: TSG CN4

To: TSG CN WG1, TSG RAN WG3

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Response Liaison on new Specification "Application Part (RANAP) on the E-interface"; 29.108

Background**:** TSG CN WG1 sent an LS (N1-000511/N4-000015) to TSG CN WG4 requesting the creation of a new specification to describe RANAP for the E-interface. Furthermore, TSG CN WG1 suggested that this specification should be under the remit of TSG CN WG4. CN1 kindly provided an initial draft version of this TS which was based on GSM 09.08 v. 7.2.0.

Discussion**:** TSG CN WG4 agrees with TSG CN WG1 that the proposed new specification is indeed necessary. After reviewing the specification, however, it was determined that TSG CN WG4 is not the appropriate group to take responsibility of this document. Although TSG CN WG4 is responsible for the E-interface, our responsibility with regards to RANAP is to provide a mechanism in which RANAP messages can be carried over MAP. It is not the responsibility of TSG CN WG4 to determine which RANAP messages shall be sent using this mechanism. TSG CN WG4 believes that this new TS should be the responsibility of the working group which is responsible for RANAP, which is TSG RAN WG3.

Actions Required: It is requested that TSG RAN WG3 evaluate the draft version of this proposed new TS (which has been attached) and, if appropriate, assume responsibility for this new TS. TSG CN WG4 will, of course, provide support to TSG RAN WG3 when necessary.

3GPP TSG-N WG4   **Tdoc 3GPP N4-000104**
Charleston, SC, USA
27 – 31 March 2000

Source: N2[1]

Title: **Liaison statement to TSG-S WG3 on GTP Signalling Security**

Document for: **Approval**

TSG-N WG4 has discussed two proposed change requests to TS 29.060, the GTP protocol specification, to define the method to be used to provide protection for GTP signalling. The discussion of these change requests raised some questions:

-   Is IPSec the **only** protection mechanism to be used for GTP signalling?

-   Is protection required for both GTP User plane and GTP Control plane signalling?

TSG-N WG4 concluded that a clear service requirement in the form of the CR to TS 33.102 is needed from TSG-S WG3 before we can decide on the exact content of the CR to TS 29.060. TSG-S WG3 are asked to provide this service requirement. The next meeting of TSG-N WG4 is 22 – 26 May. A reply from TSG-S WG3 by that date will allow TSG-N WG4 to agree the necessary CR to TS 29.060 so that it can be submitted for approval at CN #8 in June, which is the target date for approval of the CRs for MAP and GTP signalling security as agreed in TSG-N #7 and TSG-SA #7.

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3GPP TSG CN Working Group 4   **N4-000325**
CN4#02 Meeting,
Rotenburg, Germany
22 - 26 May 2000

Source: **3GPP TSG CN WG4[1]**

Title: **Liaison statement to SA5 on GPRS Charging Characteristics**

CN4 thank SA5 for their liaison statement (*S5B000007*) on the location of the definition of GPRS charging characteristics. CN4 support SA5's view that the definition of the **semantic** of GPRS charging characteristics should be given explicitly in TS 32.015, and that other explicit definitions of the semantics should be replaced by references to TS 32.015. CN4 will draft the necessary CRs to TS 23.008, TS 29.002 and TS 29.060; TS 23.060 is in the remit of SA2, so it would be appropriate for them to deal with the necessary CR to TS 23.060.

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3GPP TSG CN WG4#02   **Tdoc: N4-000331**
Rotenburg, Germany
22 - 26 May 2000

Title:	**LS response on Service Modification without Pre-notification**
Source:	**CN WG4**
To:	**TSG_CN WG3**
CC:	**TSG_CN WG1, TSG_T WG2**

Contact Person

    Name: **NEC, Toshiyuki Tamura (+81-471-85-6954)**
    E-mail Address: **tamurato@e1sf.ncos.nec.co.jp**

   N4 thanks N3 for the LS related to the development of Service Modification without Pre-notification between speech and FAX and between speech and modem. As indicated in N3 LS N3-000195, TSG_CN WG4 recognised the needs to study the impacts to the UMTS TS 23.153 Out of band Transcoder Control Stage2.

   TSG_CN WG4 would like to inform to TSG_CN WG3 that the Service Modification without Pre-notification between speech and FAX and between speech and modem feature would be properly treated in our development of Out of band Transcoder Control feature with the time scales specified in WI (N3-000198).

3GPP TSG CN WG4#02   **Tdoc N4-000340**
Rotenburg, Germany
22 - 26 May 2000

Title: **LS on Race conditions avoidance.**

Source: **TSG_CN WG4**

To: **TSG_CN WG1, TSG_SA WG2**

Contact Person:
    Name: Alessio Casati
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CN4 would like to inform CN1 and SA2 of a correction of the PDP context Delete procedure (see attached CR 29.060 -105 in Tdoc N4-000258), since this may impact SM part 24.008 handled by CN1 and procedure definitions included in 23.060 handled in SA2 .

Source: TSG CN WG4[1]

Title: Liaison statement on UTRAN Identifiers in TS 25.401

To: TSG RAN WG3

TSG CN WG4 would like to inform TSG RAN WG3 that CN4 has approved a CR to TS 23.003 (attached Tdoc N4-000220) which introduces UTRAN identifiers that are used by both CN and UTRAN across the Iu interface. These identifiers have been copied from TS 25.401 subclause 6.1. Because these identifiers have been copied, there is now identical information duplicated in both specifications. In order to avoid future inconsistencies when changes or corrections are made to these identifiers, CN4 requests that R3 replace the currently duplicated text with references to 23.003.

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3GPP TSG CN Working Group 4 N4-000363
CN4#02 Meeting,
Rotenburg, Germany
22 - 26 May 2000

Source: **3GPP CN4**[1]

Title: **Liaison statement to SA3 on GTP signalling security**

CN4, as the successors to CN2 Subgroup B, are responsible for the maintenance of the GPRS
Tunnelling Protocol specification, TS 29.060. CN2 Subgroup B and CN4 have been working for
the past 6 months on security for core network (MAP and GTP) signalling, in response to an
urgent request from S3.

CN2 Subgroup B sent a liaison statement (N2B000445, a copy of which is attached) to S3 to
ask for advice on S3's requirements for GTP signalling security. Specifically, is IPSec **the**
protection mechanism to be used for GTP signalling, or is IPSec **a** protection mechanism to
be used for GTP signalling?

The current CN4 meeting is the last opportunity for CN4 to produce the necessary CR to
TS 29.060 if it is to be presented for approval at CN #8 in June. SA3 are therefore asked to
give this matter their urgent consideration, and reply to CN4 so that the CR can be drafted and
reviewed before this meeting closes on 26 May.

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3GPP TSG CN Working Group 4   **N4-000364**
CN4#02 Meeting,
Rotenburg, Germany
22 - 26 May 2000

Source:	**TSG CN WG4[1]**
To:	**SA WG3**
CC:	**TIA TR-45 AHAG**
Title:	**Liaison statement to S3 on evaluation of the impact on positive authentication reporting on network performance**

CN4 has discussed the liaison statement S3-000308 and concluded that it is not possible to provide a quick answer on what impact such a mechanism would have on network performance, due to the complexity of that evaluation.

Therefore some companies present at the CN4 meeting have requested additional time to evaluate such impacts.

Additionally, CN4 kindly requests SA3 to indicate whether it would be acceptable to provide the proposed mechanism as an optional feature limited to 3GPP2 subscribers roaming into 3GPP networks.

The next CN4 meeting will take place in July 17-21.

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3GPP TSG CN WG4   **Tdoc N4-000366**
Rotenburg, Germany
22 – 26 May 2000

From: **TSG CN WG4**[1]

To: **TSG SA WG3, TSG SA WG5**

Subject: **LS on Key Exchange and Key Distribution**

Besides their work on introduction of the secure transport of MAP messages (Layer III) in 29.002, TSG CN WG4 had a look at the possibility of introducing the Key Exchange and Key Distribution mechanisms for MAP entities via MAP.

Basis for the consideration is attached proposed CR to 3G TS 29.002 on Introduction of Key Exchange and Key Distribution (Layer I and Layer II).

It was identified in TSG CN WG4 that with additional effort it would be possible to stabilise this Change Request until TSG CN #8.

Before this effort is spent, TSG CN WG4 urgently asks TSG SA WG3 (together with TSG SA WG5) for a general decision on the mechanism to be used for Key Exchange and Key Distribution.

Attached TDoc N4-000210, CR 29.002-131 on Key exchange and distribution for MAP security

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3GPP TSG CN WG4#02   **Tdoc: N4-000385**
Rotenburg, Germany
22 - 26 May 2000

Title: **LS back on Global solution of "Cause of no CLI"**

Source: **TSG CN WG4**

TO: **TSG CN WG1**

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Date: **25 May 2000**

N4 thanks N1 for the LS related to global solution "Cause of no CLI". N4 agreed the N1 proposal and discussed about CLI Stage2 and Stage3 specification. As a result of the discussion, N4 modified the mapping about PI(presentation indicator) and CI(Cause of no CLI), and attached file(T-doc N4-000360 clarifies the mapping between several variants of ISUP and the signalling towards the mobile station) was agreed in N4.

N4 will finish this CLI discussion based on the agreed mapping table by e-mail and approve the modification for CLI stage 2 and stage3 specification before the next CN#8 plenary.