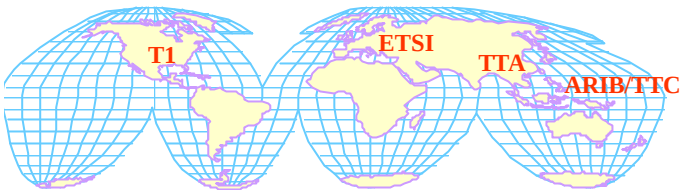

Third Generation Partnership Project

Draft Meeting REPORT v1.0.0
3GPP TSG_CN_WG4#08_1

European Telephone Conference
6th – 7th June 2001

Moderator: **Ian Park, Vodafone**

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1 Opening of the meeting & Approval of Agenda

Ian Park, CN4 chairman-elect and moderator opened the meeting and welcomed the participants.

The agenda prepared by Yun-Chao Hu, CN4 chairman, was presented and approved (N4-010771).

2 Document Allocation

Document allocation (N4-010772) was approved.

3 Liaison Statements

Document: **N4-010773**
Title: 3GPP TS 33.200 v1.0.0: Network Domain Security; MAP application layer security
Source: SA3
Presented: Ian Park, moderator
Discussion: This draft is under review by SA3; after agreement by SA3 it is expected to be presented for approval at SA #12. it is intended for use by this meeting as a basis for the work on 29.002.

4 Generic MAP security

4.1 Usage of IPSec

SA3 have decided that the use of IPSec to protect application layer protocols such as GTP, MAP and CAP is for study as part of UMTS Release 5. There will be no inputs to this meeting.

4.2 Protection profiles

Document: **N4-010775**
Title: CR 29.001-298 on Component level granularity of protection
Source: Vodafone
Presented: Ian Park
Discussion:

- At the protocol level, if a dialogue uses secure transport then all messages in the dialogue must use secure transport, even if there is no functional requirement for protection. The functional effect of unsecured transport can be matched by using secured transport with protection mode "No protection".

Decision: Revised to N4-010777

Document: **N4-010777**
Title: CR 29.001-298r1 on Component level granularity of protection
Source: Vodafone
Presented: Ian Park
Discussion:

- We need to state that if secure transport is used for a dialogue, then a secure transport service with protection mode "No protection" **shall** be used to give the functional effect of unsecured transport, if the component does not require protection.

Decision: Revised to N4-010790

Document: **N4-010790**
Title: CR 29.001-298r2 on Component level granularity of protection
Source: Vodafone
Presented: Ian Park
Discussion:

Decision: Agreed

4.3 Integrity check value

No contributions

4.4 Security header

Document: **N4-010774**
Title: CR 29.002-168r3 on Security Header modification
Source: Siemens AG
Presented: Ulrich Wiehe
Discussion:

- This document was presented in Sophia Antipolis, but withdrawn after the SA3 decision to delay MAP security to Rel-5. It was used as the basis for further development, in the light of the information in TS 33.200.

Decision: Revised to N4-010776

Document: **N4-010776**
Title: CR 29.002-168r4 on Security Header modification
Source: Siemens AG
Presented: Ulrich Wiehe
Discussion:

- PROP is used to give uniqueness of the IV **within a particular time period**;
- The cover sheet should point out that all references to 33.102 in connection with MAP security need to be replaced by references to 33.200;
- The ordering of components of the IV in both the table in 7.6.12 and the ASN.1 should match the ordering in 33.200;
- The IV is mandatory in the service description and the ASN.1;
- The length of the IV in the ASN.1 should be 4 to 14 octets, not 14 octets fixed, to reflect the fact that only the TVP is mandatory in all cases;
- Ericsson proposed that the internal structure of the IV should be reflected in the ASN.1 by making the IV a SEQUENCE, with the TVP a mandatory component, but Siemens opposed because this would add to the signalling load. It was agreed to keep the definition of the IV as an octet string, with the internal structure defined by ASN.1 comments;
- The text in 7.6.12 which describes the IV should be: "The TVP part of the IV is mandatory. The other parts shall be present if required for the current protection mode.";
- Various editorial changes from Vodafone were accepted.

Decision: Revised to Tdoc N4-010778

Document: **N4-010778**
Title: CR 29.002-168r5 on Security Header modification
Source: Siemens AG
Presented: Distributed for review by email after the close of the telephone conference.
Discussion:

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Decision: Approved by email correspondence

4.5 AoB on MAP Application security

Nokia raised a concern that if protection mode 1 or 2 is used, then there is not enough room in the first TC-CONTINUE of the dialogue for a complete authentication vector. Siemens pointed out that there **is** enough room for a complete authentication vector if the dialogue is accepted and closed with a TC-END. Vodafone added that we could use the same method as for short message transfer: accept the dialogue with an empty TC-CONTINUE and send the authentication vector in a second TC-CONTINUE.

It was agreed that we do not have time to draft and review the necessary change to 29.002 for presentation to CN #12. Contributions to the CN4 meeting in July are invited.

5 GTP security

SA3 have decided that GTP security will be a Rel-5 work item. There will be no inputs to this meeting.

6 Any other business

There was none.

7 Output of CN4# Ad Hoc Meeting

7.1 Change Requests

TDoc #	Agenda Item	Type	Title	Source	WI	CR#	Rev	Cat	Spec	Rel	Version
N4-010778	4.4	CR	Security Header modification	Siemens	SEC1	168	5	C	29.002	Rel-4	4.3.0
N4-010790	4.2	CR	Component level granularity of protection	Vodafone	SEC1	298	2	F	29.002	Rel-4	4.3.0

7.2 Liaison Statements

There were no Liaison Statements to be sent

7.3 TS/TRs

There were no TS/TRs for approval by CN plenary

7.4 WIs

There were no WIs for approval by CN plenary

8 Closing of the meeting

The moderator thanked the participants for their input, which had led to very good progress on this sensitive subject.

Annex A : Participants

Ms. Elena Garcia-Mendive	ERICSSON L.M.	3GPPMEMBER (ETSI)	DE	+492407575205	elena.garcia-mendive@eed.ericsson.se
Mr. Yun-Chao Hu	ERICSSON L.M.	3GPPMEMBER (ETSI)	SE	+46 8 508 78153	yun-chao.hu@era.ericsson.se
Mr. Jari Jansson	NOKIA Corporation	3GPPMEMBER (ETSI)	FI	+358 40 5550719	jari.jansson@nokia.com
Mr. Miguel Pallares	ERICSSON L.M.	3GPPMEMBER (ETSI)	SE	+34 913394222	miguel-angel.pallares-lopez@ece.ericsson.se
Mr. Ian David Chalmers Park	VODAFONE Group Plc	3GPPMEMBER (ETSI)	GB	+44 1635 673527	ian.park@vf.vodafone.co.uk
Mr. Ulrich Wiehe	SIEMENS AG	3GPPMEMBER (ETSI)	DE	+49 6621 169 139	ulrich.wiehe@icn.siemens.de

Annex B: List of Temporary Documents

Tdoc nº 3GPP	Document Title	Source	Status
N4-010771	Agenda	CN4 Chairman	Approved
N4-010772	Tdoc allocation	Moderator	Approved
N4-010773	TS 33.200 v1.0.0: Network Domain Security; MAP application layer security	SA3	Noted
N4-010774	CR 29.002-168r3 on Security Header modification	Siemens	Revised to N4-010776
N4-010775	CR 29.001-298 on Component level granularity of protection	Vodafone	Revised to N4-010777
N4-010776	CR 29.002-168r4 on Security Header modification	Siemens	Revised to N4-010778
N4-010777	CR 29.001-298r1 on Component level granularity of protection	Vodafone	Revised to N4-010790
N4-010778	CR 29.002-168r5 on Security Header modification	Siemens	Approved
N4-010790	CR 29.001-298r2 on Component level granularity of protection	Vodafone	Approved
N4-010791	Report of CN4 ad hoc telephone confere3nce on MAP security, 6 – 7 June	Moderator	