Third Generation Partnership Project

Draft MEETING REPORT v1.0.0

3GPP TSG-CN4#25

Seoul, KOREA.
15th - 19th November, 2004

Hosted by:

Samsung

CN4 Officials:

Chairman: **Peter Schmitt, Siemens.** Peter.Schmitt@gksag.de
Vice-Chairman: **Mr. Toshiyuki Tamura, NEC.** tamurato@aj.jp.nec.com
Vice-Chairman: **Mr. Peter Wild, Vodafone-D2.** peter.wild@vodafone.com
MCC Support: **Kimmo Kym%%inen, ETSI MCC.** kimmo.kymalainen@etsi.org

Table of contents

1 Agenda

Mr. Peter Schmitt of Siemens (CN4 chairman) welcomed the delegates to Sophia Antipolis on behalf of the hosts. The meeting was chaired by Mr. Peter Schmitt, (Chair, Siemens). Additional support was provided by Mr. Kimmo Kym%l%nen (CN4 Secretary, MCC).

1231 Preliminary agenda for CN4 #25
Type: **Agenda**
Source: **CN4 chairman**
Discussion:
Status: **Revised to N4-041232**

1232 Detailed agenda & time plan for CN4 #25: status at document deadline
Type: **Agenda**
Source: **CN4 chairman**
Discussion:
Status: **Revised to N4-041233**

1233 Detailed agenda & time plan for CN4 #25: status on eve of meeting
Type: **Agenda**
Source: **CN4 chairman**
Discussion:
Status: **Approved**

1.1 IPR Call

The attention of the delegates to the meeting of this Technical Specification Group was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.
The delegates were asked to take note that they were thereby invited:

- to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.
- to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (http://webapp.etsi.org/Ipr/).

2 Allocation of documents to agenda Items

1234 Proposed allocation of documents to agenda items for CN4 #25: status at document deadline
Type: Document allocation
Source: **CN4 chairman**
Discussion:
Status: **Revised to N4-041235**

1235 Proposed allocation of documents to agenda items for CN4 #25 status on eve of meeting
Type: Document allocation
Source: **CN4 chairman**
Discussion:
Status: **Approved**

3 Meeting Reports

1236 Summary report from CN #25 & SA #25, Palm Springs, US
Type: Report
Source: **CN4 chairman**
Discussion:
Status: **Noted**

1238 CN4#24 meeting report; Sophia Antipolis, FRANCE
Type: Report
Source: **MCC**
Discussion:
Status: **Approved**

4 Input liaison statements

1250 Rel-6 or 7; Cooperation on TISPAN NGN supplementary services
Type: INPUT LS
Source: **ETSI TISPAN**
Discussion:
TISPAN have to indicate for SA1 if changes are needed in 3GPP specifications in future. No work for CN4 in this point.
Status: **Noted**

1284 LS on 3GPP Cooperation with TISPAN for NGN Supplementary Services
Type: INPUT LS
Source: **SA1**
Discussion: See comment on N4-041250.
Status: **Noted**

1287 Reply LS on Cooperation on TISPAN NGN supplementary services
Type: INPUT LS
Source: **SA2**
Discussion: See comment on N4-041250.
Status: **Noted**

1251 Assumptions and Open Issues for MBMS
Type: INPUT LS
Source: **GERAN WG2**
Discussion:
Status: **Postponed to 7.10**

1252 Response to LS to 3GPP on Evaluation of the alternatives for SMS fraud countermeasures
Type: INPUT LS
Source: **IREG Plenary 47**
Discussion:
Status: **Postponed to 7.14**

1253 LS on Allocation of 3GPP specific AVP numbers and Experimental Result Codes for Gq interface

Type: INPUT LS
Source: **CN3**
Discussion:
Status: **Postponed to 7.4**

1254 Further enhancement of Profile and Package Definition
Type: INPUT LS
Source: **SG16**
Discussion:
CN4 have to wait until SG16 will make decision. After decision of SG16 CN4 will make background work on topic and decide if Mc-interface can be used in this purpose. This will be a part of CN4 Rel-7 work.
Status: **Noted**

1255 LS on Adding ANSI protocols to 3GPP Iu lower layer specifications
Type: INPUT LS
Source: **RAN3**
Discussion:
CN4 believe RAN3 is the right place to do this work. If RAN3 will make changes in their specifications CN4 have to analyse if changes are needed in CN4 specifications.
Status: **Noted**

1256 LS on Trace Issues
Type: INPUT LS
Source: **RAN3**
Discussion:
Status: **Postponed to 7.6**

1257 LS on Mapping of cause codes between BSSMAP and RANAP
Type: INPUT LS
Source: **RAN3**
Discussion: This was handled in CN4#24.
Status: **Noted**

1258 LS on mapping tunnels for WLAN 3GPP IP access and W-APNs
Type: INPUT LS
Source: **SA2**
Discussion:
Status: **Postponed to 7.1**

1259 Reply LS on Clarification of TMGI format
Type: INPUT LS
Source: **SA2**
Discussion:
Status: **Postponed to 7.10**

1260 LS on MBMS NSAPI
Type: INPUT LS
Source: **SA2**
Discussion:
Status: **Postponed to 7.10**

1261 Reply LS on Binding Scenario Information to Mutual EAP Authentication
Type: INPUT LS
Source: **SA2**
Discussion:
Status: **Postponed to 7.1**

1262 LS on Supporting MBMS Charging Mechanism
Type: INPUT LS
Source: **SA2**
Discussion:
Status: **Postponed to 7.10**

1263 Reply LS on Generic Authentication Architecture (GAA)
Type: INPUT LS
Source: **SA3**
Discussion:
Status: **Postponed to 7.5**

1264 Reply LS on SMS Fraud countermeasures
Type: INPUT LS
Source: **SA3**
Discussion:
Status: **Postponed to 7.14**

1265 Security aspects of early IMS systems
Type: INPUT LS
Source: **SA3**
Discussion:
Status: **Postponed to 7.17.2**

1266 LS on Revisiting forwards compatibility towards TLS based access security
Type: INPUT LS
Source: **SA3**
Discussion:

Lucent: Do we have to change everything in 23.003?

Chairman: When SA3 have found a solution CN4 have to make necessary changes on 23.003 specification. In time scale it means nothing will be done before CN4#26.

Status: **Noted**

1267 Reply LS on Evaluation of the alternatives for SMS fraud countermeasures
Type: INPUT LS
Source: **SA3**
Discussion:
Status: **Postponed to 7.14**

1268 LS on GUP Security Recommendations
Type: INPUT LS
Source: **SA3**
Discussion:
Status: **Postponed to 7.2**

1269 Reply LS On the Outcome of Harmonization of AMR Configurations
Type: INPUT LS
Source: **SA4**
Discussion:
Status: **Postponed to 7.13**

1270 SMS Fraud countermeasures
Type: INPUT LS
Source: **T2**
Discussion:
Status: **Postponed to 7.14**

1282 LS on MBMS Information Element coding
Type: INPUT LS
Source: **RAN3**
Discussion:
Status: **Postponed to 7.14**

1283 LS on Clarification of TMGI format
Type: INPUT LS
Source: **SA1**
Discussion:
Status: **Postponed to 7.10**

1285 LS on Indication of selected CN operator in connected mode in Shared Networks
Type: INPUT LS
Source: **SA2**
Discussion:
Status: **Postponed to 7.15**

1286 LS on Generic Authentication Architecture (GAA)
Type: INPUT LS
Source: **SA2**
Discussion:
Status: **Postponed to 7.5**

1288 LS on IMS registration state stored at the HSS
Type: INPUT LS
Source: **SA2**
Discussion:
Status: **Postponed to 7.3**

1514 LS on completion of network initiated SCUDIF support
Type: INPUT LS
Source: **RAN3**
Discussion:
Status: **Postponed to 7.14.4**

1526 LS on parameter storage for I-WLAN
Type: INPUT LS
Source: **SA2**
Discussion:

Status: **Postponed to 7.1**

1676 The relationship between Scenario 2 and Scenario 3 authentication procedures
Type: INPUT LS
Source: **RAN3**
Discussion:
Status: **Noted**

5 WID

1313 WID; Trace Management, stage 3, network, update
Type: **Work Item**
Source: **Nokia**
Discussion:
Status: **Revised to N4-041539**

1539 WID; Trace Management, stage 3, network, update
Type: **Work Item**
Source: **Nokia**
Discussion:
Status: **Approved**

1314 WID Trace Management, stage 3, IMS
Type: **Work Item**
Source: **Nokia**
Discussion: Rel-6 should be removed from title.
Status: **Revised to N4-041540**

1540 WID Trace Management, stage 3, IMS
Type: **Work Item**
Source: **Nokia**
Discussion:
Status:

1471 WID; CAMEL Trunk Originated Trigger Detection Points
Type: **Work Item**
Source: **Nortel Networks**
Discussion: This WI is only for CN4.
22.078 have to be deleted because the work is done by SA1.
Ericsson: The functionality could be already covered in Camel specifications. Ericsson would like to have meetings opinion if this is a case.
As far as meeting is aware the functionality is not cover in current Camel specifications.
Status: **Revised to N4-041546**

1546 WID; CAMEL Trunk Originated Trigger Detection Points
Type: **Work Item**
Source: **Nortel Networks**
Discussion: Nokia will be added as supporting company.
Status: **Approved**

1472 CAMEL Trunk Originated Trigger Detection Points
Type: Work Item
Source: Nortel Networks
Discussion:
Status: Withdrawn

1498 WID; Emergency Call Enhancements for IP& PS Based Calls - stage 3
Type: Work Item
Source: Ericsson
Discussion:
Status: Endorsed by CN4

1621 Revised GUP WID
Type: WID
Source: Lucent
Discussion:
Status: Agreed

6 Release 7

7 Release 6

7.1 WLAN

1258 LS on mapping tunnels for WLAN 3GPP IP access and W-APNs
Type: Input LS
Source: SA2
Discussion: **Nokia**: Requirement is already covered in specification.
Status: Noted

1261 Reply LS on Binding Scenario Information to Mutual EAP Authentication
Type: Input LS
Source: SA2
Discussion: **CN4** do not have to wait SA3 decision on this topic before any action.
Status: Noted

1526 LS on parameter storage for I-WLAN
Type: Input LS
Source: SA2
Discussion: If N4-041378 is accepted it will cover the requirements of LS.
Reply LS to SA2 N4-041573.
CN4 would prefer see the proposed changes in one place to avoid duplication.
Status: Noted

1378 Data Handling in WLAN-IW
Type: CR 23.008 017 Rel-6
Source: Ericsson, Nokia
Discussion:
Status: Revised to N4-041572

1572 Data Handling in WLAN-IW

Type: **CR 23.008 017 Rel-6**
Source: **Ericsson, Nokia**
Background:
Discussion:
Status: **Agreed**

1573 Reply LS on parameter storage for I-WLAN
Type: **Output LS**
Source: **Nokia**
Discussion: The attachment has to be N4-041572.
Status: **Approved**

1295 'otherrealm' format of Decorated NAI
Type: **CR 23.003 092 Rel-6**
Source: **Orange**
Discussion:
Status: **Revised to N4-041574**

1574 'otherrealm' format of Decorated NAI
Type: **CR 23.003-092r1 Rel-6**
Source: **Orange**
Discussion:
Status:

1358 PLMN Selection issues
Type: **DISC**
Source: **Telecom Italia**
Discussion:
Status: **Revised to N4-041407**

1407 DISC on PLMN Selection issues
Type: **DISC**
Source: **Telecom Italia**
Background:

The network selection procedure within WLAN access network, as defined by 3GPP SA1 requirements, needs that the WLAN UE selects the WLAN AN that is interconnected with the selected PLMN. On this issue, the IETF has defined two new draft documents: the first one is the draft-adrangi-eap-network-discovery-04 ìIdentity selection hints for EAPî; the second is the draft-ietf-radext-rfc2486bis ìThe Network Access Identifierî.
The first draft on ìIdentity selection hints for EAPî, which has been proposed for RFC approval, describes the procedure to provide the identity hints, i.e. the PLMN identifier to the user, in order to allow the client to select the requested PLMN. The mechanism is based on the transport of the identity hints (i.e. PLMN list) in the EAP messages, from the network (AAA server or Access Point in case of WLAN) to the client. The PLMN list can be sent within the first Access-Challenge (EAP Identity/Request) message either as a reply to the reception of an EAP-Start message, or when the AAA proxy receives a EAP Identity Response with a non-routable NAI.
The second draft is the revision of the RFC 2486 and defines the Decorated NAI to enable the routing of the authentication messages from the client to the AAA server via the intermediate network selected by the client.
The present version of 3GPP TSs define the automatic and manual PLMN selection procedure as a step-by-step procedure describing the generic actions to be performed.

Furthermore the IETF procedure is proposed for PLMN selection, but some points are still open.

Discussion:

Ericsson: PLMN selection is under CN1. There are no reason to discuss this in CN4.Related CRs have dependency on CN1 CRs.
Samsung would like to wait until CN1 have made decision on PLMN selection because it might effect on CN4 CRs.

Status: **Noted**

1359 Definition of Alternative NAI
Type: **CR 23.003-093 Rel-6**
Source: **Telecom Italia, RIM, Nokia**
Discussion:

Telecom Italia: In order to obtain the list of available PLMNs for manual network selection the definition of an Alternative NAI should be used.
Ericsson: Reference [49] is never used in 23.003.This can be removed or move to unnormative reference section.
Nokia: A sentence: "For Network selection purposes and security purposes" should be removed.

Ericsson: CN1 CRs should be added in cover sheet "other spec effected"
LS to GSMA IREQ is needed; N4-041576. Drafted by Vodafone.
CN4 kindly asks GSMA IREG PACKET to:
1) reserve the proposed sub-domains of ".3gppnetwork.org" as defined above;
2) never service DNS requests to the former proposed domain name on the GRX so that all DNS look-ups to it will fail;
3) address their response LS to this LS directly to 3GPP TSG CN plenary (CN) ñ but copying CN4 and CN1 ñ because there are no more CN4 meetings (or any other CN WG meetings) before the next CN where it is expected that the 3GPP Rel-6 specification set will be frozen.

Status: **Revised to N4-041575**

1575 Definition of Alternative NAI
Type: **CR 23.003-093r1 Rel-6**
Source: **Telecom Italia, RIM, Nokia**
Discussion:
Status: **Email approval. Agreed after email approval.**

1576 Reservation of two new sub-domains under ".3gppnetwork.org"
Type: **Output LS**
Source: **Vodafone**
Discussion:
Status: **Revised to N4-041687**

1687 Reservation of two new sub-domains under ".3gppnetwork.org"
Type: **Output LS**
Source: **Vodafone**
Discussion:
Status: **Email approval**

1360 PLMN advertising and selection
Type: **CR 29.234-001 Rel-6**
Source: **Telecom Italia**

Discussion:
Status: **Revised to N4-041661**

1661 PLMN advertising and selection
Type: **CR 29.234-001r1 Rel-6**
Source: **Telecom Italia**
Discussion: Have to be checked that there are no overlapping with Samsung CR N4-041593.
Status: **Revised to N4-041694**

1694 PLMN advertising and selection
Type: **CR 29.234-001r2 Rel-6**
Source: **Telecom Italia**
Discussion:
Status: **Email approval. Agreed after email approval.**

1362 ; WLAN User Profile update
Type: **CR 29.234-002 Rel-6**
Source: **Ericsson**
Discussion:
Ericsson: Charging characteristic list is defined as based by SA2 decision which is not inline with SA3 and SA5 specifications.
Status: **Agreed**

1363 Charging related data from 3GPP AAA Server to PDG
Type: **CR 29.234-003 Rel-6**
Source: **Ericsson**
Discussion:
Status: **Agreed**

1364 3GPP WLAN IP Access parameter rename
Type: **CR 29.234-004 Rel-6,**
Source: **Ericsson**
Discussion:
Status: **Revised to N4-041527**

1527 3GPP WLAN IP Access parameter rename
Type: **CR 29.234-004r1 Rel-6**
Source: **Ericsson**
Discussion: Cover page need to be updated.
CR is conditionally approved. CR is dependent on SA2 S2-043606.
Status: **Approved**

1365 Static Remote IP address
Type: **CR 29.234-005 Rel-6**
Source: **Ericsson, Nokia**
Discussion:
Status: **Revised to N4-041577**

1577 Static Remote IP address
Type: **CR 29.234-005r1 Rel-6**
Source: **Ericsson, Nokia**
Discussion:

Status: **Agreed**

1366 Removal of ì Scenarioî wording
Type: **CR 29.234-006 Rel-6**
Source: **Ericsson, Nokia**
Discussion:
Status: **Agreed**

1367 Editorial correction on Auth-Req-Type AVP
Type: **CR 29.234-007 Rel-6**
Source: **Ericsson, Nokia**
Discussion:
Status: **Agreed**

1368 Online charging failure report
Type: **CR 29.234-008 Rel-6**
Source: **Ericsson, Nokia**
Discussion:
Status: **Revised to N4-041578**

1578 Online charging failure report
Type: **CR 29.234-008r1 Rel-6**
Source: **Ericsson, Nokia**
Discussion:
Status: **Agreed**

1369 Rejection of Multiple WLAN connections
Type: **CR 29.234-009 Rel-6**
Source: **Ericsson, Nokia**
Discussion:
Status: **Agreed**

1370 Application-Ids on Wa, Wd, Wm and Wg
Type: **DISC**
Source: **Ericsson**
Discussion:

Since Wa, Wd, Wm and Wg makes use of the EAP and NASREQ commands, apart from the DBP commands, it is proposed to avoid the request to IANA of an specific Application-Id to each reference point. Instead, this paper proposes to reuse NASREQ, DBP and EAP Application-Ids so:

- commands shall advertise the Application-Id of the application they belong to (NASREQ, EAP or DBP),
- AVPs defined as mandatory in the reference point are kept optional in the ABNF, and
- a note is added in the reference points section to indicate the above two bullets.

Status: **Noted**

1371 Application-Ids on Wa, Wd, Wm and Wg
Type: **CR 29.234 010 Rel-6**

Source: **Ericsson**
Discussion:

France Telecom: This is meant to be mandatory in application level not protocol level.
3GPP specifications define how to handle this application.
There was no strong opinion against to re-use application IDs.

Status: **Agreed**

1373 Wd Interface RADIUS profile clarifications
Type: **CR 29.234 012 Rel-6**
Source: **TeliaSonera**
Discussion: Reference [21] have to replace with IETF draft document.
Status: **Revised to N4-041582**

1582 Wd Interface RADIUS profile clarifications
Type: **CR 29.234-012r1 Rel-6**
Source: **TeliaSonera**
Discussion: References have to be updated.
References [16] have to be corrected because name of the reference has been changed.
Status: **Revised to N4-041695**

1695 Wd Interface RADIUS profile clarifications
Type: **CR 29.234-012r2 Rel-6**
Source: **TeliaSonera**
Discussion:
Status: **Email approval. Agreed after email approval.**

1374 RADIUS based Wa/Wd profiles and Charging User Identities
Type: **CR 29.234-013 Rel-6**
Source: **TeliaSonera**
Discussion: Covered by N4-041582
Status: **Withdrawn**

1375 Wd RADIUS profile
Type: **CR 29.234 014 Rel-6**
Source: **TeliaSonera**
Discussion:

Vodanone: There is already a Cryption Key, can we rename the first Cryption Key as Send Cryption Key and the last one as Receive Cryption Key.
Ericsson would like to se stage 2 requirements for EAP Authentication MAC address before introducing a parameter in stage 3.
TeliaSonera proposed to leave EAP Authentication out of this CR.

Status: **Revised to N4-041584**

1584 Wd RADIUS profile
Type: **CR 29.234 014r1 Rel-6**
Source: **TeliaSonera**
Discussion:
Status: **Revised to N4-041696**

1696 Wd RADIUS profile
Type: **CR 29.234 014r2 Rel-6**
Source: **TeliaSonera**

Discussion:
Status: **Email approval. Agreed after email approval.**

1376 Wa, Wd, Wm and Wg ABNF
Type: **CR 29.234-015 Rel-6**
Source: **Ericsson, Nokia**
Discussion: Cover page need to be fixed.
Status: **Revised to N4-041585**

1585 Wa, Wd, Wm and Wg ABNF
Type: **CR 29.234-015r1 Rel-6**
Source: **Ericsson, Nokia**
Discussion:
Status: **Agreed**

1377 Scenario 3 access independence
Type: **CR 29.234 016 Rel-6**
Source: **Ericsson, Nokia**
Discussion:
Vodafone: I.WLAN system is misused in chapter 10.1.x. Maybe example is needed to clarify the meaning.
Status: **Revised to N4-041586**

1586 Scenario 3 access independence
Type: **CR 29.234-016r1 Rel-6**
Source: **Ericsson, Nokia**
Discussion:
Status: **Agreed**

1379 IMSI Handling at the PDG
Type: **CR 29.234 018 Rel-6**
Source: **Nokia**
Discussion:
Nokia: More information is needed from SA2 if it is allowed that the WLAN UE uses the temporary identifier received in the Scenario 2 authentication in the subsequent Scenario 3 authentication procedure, or should these authentication procedures be completely separated (i.e. in the first Scenario 3 authentication the IMSI should be used).
LS N4-041589
Output LS is needed also on Clarification of IMSI for interception at the PDG to SA3 and SA3-LI.
LS N4-041590
Status: **Postponed to CN4#26**

1589 LS on reusing authentication on scenario 2 for scenario 3.
Type: **Output LS**
Source: **Nokia**
Discussion:
Status: **Approved**

1590 LS on Clarification of IMSI for interception at the PDG.
Type: **Output LS**
Source: **Nokia**

Discussion:
Status: **Approved**

1380 Editorial Modifications
Type: **CR 29.234-019 Rel-6**
Source: **Nokia**
Discussion: **Samsung**: Category should be F instead of D.
Other cover page correction is needed also.
Status: **Revised to N4-041591**

1591 Editorial Modifications
Type: **CR 29.234-019r1 Rel-6**
Source: **Nokia**
Discussion:
Status: **Agreed**

1415 Correction to the Routing Policy AVP.
Type: **CR 29.234-027 Rel-6**
Source: **Samsung**
Discussion: Changes are covered in N4-041591. CR will be noted.
Status: **Noted**

1381 Clarification of the PDG behaviour in Wm authentication. procedure signalling
Type: **CR 29.234 020 Rel-6**
Source: **Nokia**
Discussion: Not clear enough which AAA server should be connected.
Status: **Rejected**

1382 Reauthentication clarification on the Wa interface
Type: **CR 29.234-021 Rel-6**
Source: **Nokia**
Discussion:
Samsung feels CR is not needed. Reauthorisation changes are not necessary because they do not make CR any clearer.
Meeting agreed to remove reauthorisation parts from CR.
Cover page needs to be updated.
Status: **Revised to N4-041592**

1592 Reauthentication clarification on the Wa interface
Type: **CR 29.234-021r1 Rel-6**
Source: **Nokia**
Discussion:
Status: **Agreed**

1383 Correction to MAC address IE handling
Type: **CR 29.234-022 Rel-6**
Source: **Nokia**
Discussion: Changes are covered in Samsung CR N4-041414.
Status: **Withdrawn**

1411 CR 29.234 023 Rel-6; To replace ëPermanent User IDí by ëUser Idí
Type: **CR 29.234-023 Rel-6**

Source: Samsung
Discussion:
Status: Revised to N4-041593

1593 CR 29.234 023 Rel-6; To replace ëPermanent User IDí by ëUser Idí
Type: CR 29.234-023r1 Rel-6
Source: Samsung
Discussion:
Status: Agreed

1412 To make Username AVP conditional in Wa interface
Type: CR 29.234 024 Rel-6
Source: Samsung
Discussion: In table 4.3.1.1 "may be" will be changed as "shall be".
Ericsson: In this message parameter is mandatory in 3GPP specifications.
Status: Withdrawn

1413 To make VPLMN-Id Conditional in Wd interface
Type: CR 29.234-025 Rel-6
Source: Samsung
Discussion:
Status: Revised to N4-041595

1595 To make VPLMN-Id Conditional in Wd interface
Type: CR 29.234-025r1 Rel-6
Source: Samsung
Discussion:
Status: Revised to N4-041697

1697 To make VPLMN-Id Conditional in Wd interface
Type: CR 29.234-025r2 Rel-6
Source: Samsung
Discussion:
Status: Agreed

1414 Addition of calling station id in DEA. Deletion of the same from DER.
Type: CR 29.234-026 Rel-6
Source: Samsung
Discussion:
Status: Agreed

1416 Editorial corrections
Type: CR 29.234-028 Rel-6
Source: Samsung
Discussion: Cover page needs to be updated.
Status: Revised to N4-041596

1596 Editorial corrections
Type: CR 29.234-028r1 Rel-6
Source: Samsung
Discussion:
Status: Agreed

1481 Handling of Information Element marked as (M), (C) or (O)
Type: **CR 29.234-029 Rel-6**
Source: **FT**
Discussion:
Status: **Agreed**

WLAN Open issues to be solved in Rel-6:

- **GSMA does not approve domain name (reply LS)**
- **SA2 output from SA2#43 has to be covered.**
- **Charging address**
- **IMSI in PDG**

Open issues to be solved in Rel-7:

None

7.2 GUP

GUP documents were handled in parallel session. A vice chairman Peter Wild did chair the GUP session. Please, see document **N4-041599** regarding the meeting minutes of GUP.

1599 GUP drafting group minutes
Type: **Report**
Source: **CN4 vice chairman**
Discussion:
Status: **Noted**

1572 Reply LS on GUP Security Recommendations
Type: **Output LS**
Source: **Lucent**
Discussion:
Status: **Revised to N4-041620**

1620 Reply LS on GUP Security Recommendations
Type: **Output LS**
Source: **Lucent**
Discussion: Attachment have to be added.
Status: **Approved**

1618 TR 23.941 v1.0.0
Type: **Technical Report**
Source: **T-Mobile**
Discussion:
Status: **Revised to N4-041689**

1689 TR 23.941 v2.0.0
Type: **Technical Report**
Source: **T-Mobile**
Discussion:
Status: **Approved**

1315 Open issues in 29.240

Type: **Info**
Source: **Nokia**
Discussion:
Status: **Revised to N4-041594**
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1594 Open isuues in 29.249
Type: **Information**
Source: **Lucent**
Discussion:
GUP specification 3GPP TS 29.240 is about 75% ready and will be sent for information to CN#26.
CN4 will ask exception that GUP should be in Rel-6 even the estimated approval for TS is in March 2005 in CN#27.
Status: **Noted**

1663 Response LS on GUP Security Recommendations
Type: **Input LS**
Source: **Lucent**
Discussion:
Status: **Noted**

1638 TS 29.240 v0.7.1
Type: **TS**
Source: **Lucent**
Discussion:
TS will be sent for information to CN#26 if objection is not raised during email approval procedure.
Status: **Email approval. Agreed after email approval.**

7.3 Subscriber data handling for the IMS

1288 LS on IMS registration state stored at the HSS
Type: **Input LS**
Source: **SA2**
Discussion:
Reply LS is needed to answer SA2 about impacts on proposed two solutions. CN4 will ask SA2 to decide the solution.
LS N4-041548 drafted by Ericsson, Nortel and Vodafone.
Status: **Noted**

1457 Identity Sharing and Registration State
Type: **DISC**
Source: **Nortel Networks**
Background:
In Release 6 we introduce the possibility of identity sharing ñ that is that a single IMS Public User Identity could be registered by more than one IMS Private User Identity.This contribution is about how the registration state for IMS identities is stored in the HSS. In Release 5, because a given Public User Identity could be registered by only a single Private User Identity, then storing the registration state of each Public User Identity provided the HSS with complete knowledge of the registration state. In Release 6, storing the registration state against the Public User Identity no longer provides complete

knowledge in the HSS of the registration state, because the HSS would not know which Private User Identities had registered this identity. An alternative would be for the HSS to store the registration state of each valid Public/Private User Identity combination. The specifications are presently ambiguous about which of the above approaches should be taken. This contribution discusses the pros and cons of each approach and makes a recommendation.

Discussion: See LS N4-041548.

Status: **Noted**

1548 LS on IMS registration state stored at the HSS

Type: **Output LS**

Source: **Vodafone, Ericsson, Nortel**

Discussion:

Status: **Revised to N4-041606**

1606 LS on IMS registration state stored at the HSS

Type: **Output LS**

Source: **Vodafone, Ericsson, Nortel**

Discussion:

Status: **Revised to N4-041617**

1617 LS on IMS registration state stored at the HSS

Type: **Output LS**

Source: **Vodafone, Ericsson, Nortel**

Discussion:

Status: **Revised to N4-041617**

1247 Optimization of User Profile Download

Type: **CR 23.008-136 Rel-6**

Source: **Siemens**

Discussion:

Status: **Agreed**

1248 Subscribed Media Profile Identifier

Type: **CR 23.008-137 Rel-6**

Source: **Siemens**

Discussion:

Status: **Agreed**

7.3.1 HSS ñ CSCF (Cx) & SLF - CSCF (Dx) interfaces

1338 Clarification of R6 authentication scheme

Type: **CR 29.228-146 Rel-6**

Source: **Vodafone**

Discussion: **Nokia**: The release information should be removed on sentence.

Status: **Revised to N4-041549**

1549 Clarification of R6 authentication scheme

Type: **CR 29.228-146r1 Rel-6**

Source: **Vodafone**

Discussion:

Status: **Agreed**

1458 Correction to XML Root Element
Type: **CR 29.228-155 Rel-6**
Source: **Nortel Networks**
Discussion:
Status: **Agreed**

1459 Modification of User-Data-Already-Available in SAR command.
Type: **CR 29.228-156 Rel-6**
Source: **Nortel Networks**
Discussion:
Nokia and **Siemens** believe change is not needed. Parameter should be mandatory.
Lucent: Note is needed to Rel-6 specification to clarify situation.
Status: **Revised to N4-041550**

1550 Modification of User-Data-Already-Available in SAR command.
Type: **CR 29.228-156r1 Rel-6**
Source: **Nortel Networks**
Discussion:
Status: **Agreed**

1460 Modification of User-Data-Already-Available in SAR command.
Type: **CR 29.229-071 Rel-6**
Source: **Nortel Networks**
Discussion:
Status: **Withdrawn**

1461 ; Experimental Error Code for Multiple User IDs
Type: **CR 29.228-157 Rel-6**
Source: **Nortel Networks**
Discussion:
Nokia: There are no reasons to change this because it causes compatibility problems. The current error code can be used in this situation. No reason to change Rel-5 onwards.
Ericsson agree the proposed changed in principle, but they are worried about backward compatibility problem.
Meeting agreed that this can't be seen as essential correction for Rel-5 and based on this it can't be accepted in Rel-6 because of backward compatibility problems.
Status: **Withdrawn**

1462 Error Code for Multiple User IDs
Type: **CR 29.229 - Rel-6**
Source: **Nortel Networks**
Discussion:
Status: **Withdrawn**

1463 Experimental Error Code for Multiple User IDs
Type: **CR 29.230 - Rel-6**
Source: **Nortel Networks**
Discussion:
Status: **Withdrawn**

1467 ; Registration State of Public User ID ñ Private User ID pair

Type: CR 29.228 - Rel-6
Source: Nortel Networks
Discussion:
Status: Revised to N4-041537

1537 ; Registration State of Public User ID ñ Private User ID pair
Type: CR 29.228 - Rel-6
Source: Nortel Networks
Discussion:
Status:

1473 P-Bit (PXY) in Answer Messages
Type: CR 29.229-073 Rel-6
Source: Nortel Networks
Discussion:
Status: Withdrawn

1587 Remove the use of the DIAMETER_MISSING_USER_ID error code
Type: CR 29.228 Rel-6
Source: France Telecom
Discussion: Document arrived after deadline.
Status: Postponed to CN4#26

1588 Remove the use of the DIAMETER_MISSING_USER_ID error code
Type: CR 29.229 Rel-6
Source: France Telecom
Discussion: Document arrived after deadline.
Status: Postponed to CN4#26

Open issues to be solved in Rel-6:

- **Registration states in HSS**
- **Shared publics identities on Sh-interface**
- **Forced de-registration of shared public identities**
- **Outcome of SA2#43 have to be checked**

Open issues to be solved in Rel-7:

None

7.3.2 HSS ñ SIP AS (Sh) interface

1451 Only One Error Required for the AS Permissions Table Checking Procedure
Type: CR 29.328-102 Rel-6
Source: Lucent
Discussion:
Status: Revised to N4-041515

1515 Only One Error Required for the AS Permissions Table Checking Procedure
Type: CR 29.328-102r1 Rel-6
Source: Lucent
Discussion: **Nokia**: Is there need for Rel-5 CR on this issue?
Lucent: After checking this is needed only for Rel-6.
Vodafone is concerned about backward compatibility problems if CR is Rel-6 only.

Status: **Revised to N4-041559**

1559 Only One Error Required for the AS Permissions Table Checking Procedure
Type: **CR 29.328-102r2 Rel-6**
Source: **Lucent**
Discussion:
Status: **Agreed**

1464 Default Handling of Error Cases
Type: **CR 29.328-103Rel-6**
Source: **Nortel Networks**
Discussion:
Nokia believe it's unnecessary to define this in specification. Defined addition is correct but there are also some error codes which can be used.
Ericsson: This is already defined in Cx-interface and should be stated in Sh-specification. Specification is not clear and this should be specified.
Lucent: This can be covered by existing error case USER_DATA_NOT AVAILABLE
Vodafone: If we have similar error case in Cx-interface we should align on that.
Nortel: The case is not valid in Cx-interface.
Nokia: Can accept the proposed change, but they don't see any reason why the sentences have to be repeated in three different chapters. The sentence doesn't give any additional value.
Status: **Agreed**

1465 ; Access Key for Charging Information
Type: **CR 29.328-104 Rel-6**
Source: **Nortel Networks**
Discussion: Vodafone believes changes are needed also in Rel-5.
Category will be changed as F
Status: **Agreed**

1560 ; Access Key for Charging Information
Type: **CR 29.328-110 Rel-5**
Source: **Nortel Networks**
Discussion:
Status: **Agreed**

1466 Re-ordering of Sh-Subs-Notif procedure
Type: **CR 29.328 - Rel-6**
Source: **Nortel Networks**
Discussion:
Status: **Withdrawn**

1468 Multiple User-Data AVP in User-Data-Answer
Type: **CR 29.328-106 Rel-6**
Source: **Nortel Networks**
Discussion:
Status: **Revised to N4-041538**

1538 Multiple User-Data AVP in User-Data-Answer
Type: **CR 29.328-106Rel-6**
Source: **Nortel Networks**

Discussion:
It is still open if charging information is associated with IMS subscription private user ID or public user ID. Advise is needed from SA2 and SA5; LS N4-041619
A public user ID could have multiple locations in Rel-6
Status: **Postponed**

1619 LS on Impact of Shared Public User Identities on the Sh Interface
Type: **Output LS**
Source: **Nortel Networks**
Discussion:
Status: **Revised to N4-041688**

1688 LS on Impact of Shared Public User Identities on the Sh Interface
Type: **Output LS**
Source: **Nortel Networks**
Discussion:
Status: **Revised to N4-041698**

1698 LS on Impact of Shared Public User Identities on the Sh Interface
Type: **Output LS**
Source: **Nortel Networks**
Discussion:
Status: **Approved**

1469 Multiple User-Data AVP in User-Data-Answer
Type: **CR 29.329 - Rel-6**
Source: **Nortel Networks**
Discussion:
Status: **Withdrawn**

1474 P-Bit (PXY) in Answer Messages
Type: **CR 29.329 - Rel-6**
Source: **Nortel Networks**
Discussion:
Status: **Withdrawn**

1475 ; MSISDN description in Requested Identity Set
Type: **CR 29.328 - Rel-6**
Source: **Nortel Networks**
Discussion:
Status: **Withdrawn**

7.4 Diameter Coordination

1253 LS on Allocation of 3GPP specific AVP numbers and Experimental Result Codes for Gq interface
Type: **Input LS**
Source: **CN3**
Discussion:
Status: **Noted**

1337 Inclusion of missing Cx AVPs
Type: CR 29.230 006 Rel-6
Source: Vodafone
Discussion:
Status: Approved

1470 CR 29.230 - Rel-6; Addition of Gmb interface
Type: CR 29.230 -009 Rel-6
Source: Nortel Networks
Discussion:
Status: Revised to N4-041580

1580 Addition of Gmb interface
Type: CR 29.230-009r1Rel-6
Source: Nortel Networks
Discussion:
Status: Agreed

1570 Addition of Gmb interface
Type: CR 29.230-009r1Rel-6
Source: Nortel Networks
Discussion:
Status: Agreed

1536 Documenting reuse of the 3GPP specific application ID of Rc for Re on the charging interface
Type: CR 29.230-010 Rel-6
Source: Lucent
Discussion: There are no official request from SA5.
Have to be checked if un-used Rf/Ro application ID number can be requested to re-use.
Status: Revised to N4-041654

1654 Documenting reuse of the 3GPP specific application ID of Rc for Re on the charging interface
Type: CR 29.230-010r1 Rel-6
Source: Lucent
Discussion:
Status: Agreed

1547 Gq interface allocations
Type: CR 29.230-011 Rel-6
Source: Nokia
Discussion:
Status: Agreed

1603 Addition of Gx interface
Type: CR 29.230-012 Rel-6
Source: Nokia
Discussion:
Status: Agreed

1644 LS on 3GPP diameter allocation for Gx-interface

Type: Output LS
Source: Nokia
Discussion:
Status: Agreed

7.5 Subscriber certificates

1286 Reply LS on Generic Authentication Architecture (GAA)
Type: Input LS
Source: SA2
Discussion:
Status: Noted

1263 Reply LS on Generic Authentication Architecture (GAA)
Type: Input LS
Source: SA3
Discussion:
Status: Noted

1316 Authorization Flag Code Annex
Type: CR 29.109-001 Rel-6
Source: Nokia, Siemens
Discussion:
Status: Agreed

1317 Finalization of GAA Service Identifier
Type: CR 29.109-002 Rel-6
Source: Nokia
Discussion:
Status: Agreed

1318 BSF control information (bsfInfo) tag to GUSS
Type: CR 29.109-003 Rel-6
Source: Nokia, Siemens
Discussion:
Status: Revised to N4-041609

1609 BSF control information (bsfInfo) tag to GUSS
Type: CR 29.109-003r1 Rel-6
Source: Nokia, Siemens
Discussion:
Status: Agreed

1319 Finalization of error code definitions
Type: CR 29.109 004 Rel-6
Source: Nokia, Huawei
Discussion:

Siemens believe error handling should be same for expired data and not available data.
Siemens have prepared alternative solution for error handling N4-041396.
Huawei believe a new error code 5408 is needed.

Siemens agree an error code is needed when a message is received by the BSF, but according to operator's local policy, the BSF canít authorize the subscriber to use the service provided by the NAF (e.g., in the visited network), but in this case existing error coded 5405 can be used.

Status: **Postponed to CN4#26**

1396 Alignment with TS 33.220
Type: **CR 29.109-007 Rel-6**
Source: **Siemens**
Discussion:

Siemens: Error situation 5402 is deleted according to deleted text in 4.2. Error is not needed at all.

Siemens: 5404 is not needed because it's already covered by error code 5403.

Status: **Postponed to CN4#26**

1320 Structure to GAA Service Indentifier
Type: **CR 29.109-005 Rel-6**
Source: **Nokia, Siemens**
Discussion:
Status: **Agreed**

1321 ; Finalisation of terminology
Type: **CR 29.109-006 Rel-6**
Source: **Nokia, Siemens**
Discussion:
Status: **Revised to N4-041610**

1610 ; Finalisation of terminology
Type: **CR 29.109-006r1 Rel-6**
Source: **Nokia, Siemens**
Discussion:
Status: **Agreed**

1322 Domain independent GAA
Type: **CR 23.008-138 Rel-6**
Source: **Nokia**
Discussion: Meeting agreed to remove all the proposed pictures.
Status: **Revised to N4-1612**

1612 Domain independent GAA
Type: **CR 23.008-138r1 Rel-6**
Source: **Nokia**
Discussion:
Status: **Agreed**

1323 Correction to terminology
Type: **CR 23.008 139 Rel-6**
Source: **Nokia**
Discussion:

Siemens: There are misalignments between added text and tables. This have to be fixed. Changes will incorporate with N4-041612.

Status: **Noted**

1324 Correction to authorization flag definition
Type: **CR 23.008 140 Rel-6**
Source: **Nokia**
Discussion:
Status: **Agreed**

1372 BSF address
Type: **CR 23.003-011 Rel-6**
Source: **Ericsson**
Discussion:
Vodafone: BSF naming changes have to be informed to GSMA. This will be covered also in LS N4-041576 to GSMA IREQ.
Status: **Revised to N4-041613**

1613 BSF address
Type: **CR 23.003-011r1 Rel-6**
Source: **Ericsson**
Discussion:
This have to be in separate CR pack together with N4-041575 because on affects to GSMA IREQ
Status: **Agreed**

1396 Alignment with TS 33.220
Type: **CR 29.109-007 Rel-6**
Source: **Siemens**
Discussion:
Nokia would like to propose different kind of key naming in stage 3. Nokia believe the key naming is matter of stage 3.
Siemens would like to specification to be align with stage 2 to use same naming in stage 2 and stage 3.
Status: **Postponed**

1417 IMS independendent command codes for Zh and Zn messages
Type: **DISC**
Source: **Nokia**
Discussion: New command code means message is used for something different.
Nokia: New command codes are needed because command codes are used for different purposes. Specification would be clearer if different command codes are used in this case.
Ericsson: The new command codes are not needed because we have specific application id.
Meeting agreed that for Z-interface it will be introduced a new command code. For Zh-interface the functionality is similar with to Cx-interface regarding to retrieval of authentication vectors from HSS.
Status: **Noted**

1418 Command codes 310 and 311 for Zh and Zh message
Type: **CR 29.109-008 Rel-6**
Source: **Nokia**
Discussion:
Status: **Revised to N4-041614**

1614 Command codes 310 and 311 for Zh and Zh message
Type: CR 29.109-008r1 Rel-6
Source: Nokia
Discussion:
Status: Agreed

1419 Reservation of command codes 310 and 311.
Type: CR 29.230-007 Rel-6
Source: Nokia
Discussion:
Status: Revised to N4-041615

1615 Reservation of command codes 310 and 311.
Type: CR 29.230-007r1 Rel-6
Source: Nokia
Discussion:
Status: Agreed

1499 Introduction of NAF groups
Type: DISC
Source: Siemens
Discussion:
Status: Noted

1500 Introduction of NAF groups
Type: CR 29.109 009 Rel-6
Source: Siemens
Discussion:
Siemens: This CR is conditionally approved regarding the decision SA5 decision on CR 33.220-020.
Status: Conditionally Agreed

1616 Introduction of NAF groups
Type: CR 23.008 141 Rel-6
Source: Nokia
Discussion:
Status: Agreed

Open issues to be solved in Rel-6:

- **Error handling ñ alignment with stage 2**

Open issues to be solved in Rel-7:

None

7.6 Subscriber and equipment trace

1256 LS on Trace Issues
Type: Input LS
Source: RAN3
Discussion:
Status: Noted

1325 ; Addition of the Trace package
Type: **CR 23.205-045 Rel-6**
Source: **Nokia**
Discussion:
Status: **Revised to N4-041525**

1525 Addition of the Trace package
Type: **CR 23.205-045r1 Rel-6**
Source: **Nokia**
Discussion:
Ericsson: Big amount of text are duplicated from other specification. More clarification is needed and may be able to be added to existing skeleton. Should be reduced to trace activation part which is changed.
Trace activation management is not currently covered by stage 2.
Status: **Revised to N4-041646**

1646 Addition of the Trace package
Type: **CR 23.205-045r2 Rel-6**
Source: **Nokia**
Discussion:
Status: **Postponed to CN4#26**

1326 Addition of the Trace package
Type: **CR 29.232-060 Rel-6**
Source: **Nokia**
Discussion:
Ericsson: What trace depth is support in SA5 specification? There should not implement any values in MGW. The clean specification is needed if we want to implement this. We can ask an exception to Trace management to handle in Rel-6.
Lucent: Estimation is need how much time is needed to finish specification.
Nokia: If clarification is needed from SA5 the changes are affected only for 3GPP TS 32.422.
Ericsson: What happen if trace is off?
Nokia: More discussion is needed on topic.
Ericsson: List of interfaces is not clear.
Ericsson: There are set of things which need more clarification on stage 2. LS will be drafted to SA5 with open topic. LS N4-041650.
Siemens: Trace based MSISDN should be added because the IMSI and IMEI are on the list.
Nokia: Re-activation during moved command is not needed.
Status: **Revised to N4-041649**

1649 Addition of the Trace package
Type: **CR 29.232-060r1 Rel-6**
Source: **Nokia**
Discussion:
Status: **Postponed to CN4#26**

1650 LS on Open issues on Trace package
Type: **Output LS**
Source: **Ericsson**
Discussion:

Status: **Revised to N4-041692**

1692 LS on Open issues on Trace package
Type: **Output LS**
Source: **Ericsson**
Discussion:
Status: **Revised to N4-041699**

1700 LS on Open issues on Trace package
Type: **Output LS**
Source: **Ericsson**
Discussion:
Status: **Approved**

1327 Additional Trace information
Type: **CR 29.060-470 Rel-6**
Source: **Nokia**
Discussion:
The length of additional trace parameters should be added and description of the coding.
Inconsistence of references. Should be 32.422 instead of 33.422
A new reference 32.423 has to be added on reference list.
Status: **Revised to N4-041653**

1653 Additional Trace information
Type: **CR 29.060-470r1 Rel-6**
Source: **Nokia**
Discussion:
Status: **Postponed to CN4#26**

1328 Adding trace control and configuration parameters to subscriber data in HSS
Type: **CR 23.008-134 Rel-6**
Source: **Nokia**
Discussion:
Ericsson: Section 3.9 should be removed because it's related IMS and all IMS related to trace is moved to Rel-7.
All the sections related to IMS have to be removed: 3.9 and 5.3.
Status: **Revised to N4-041655**

1655 Adding trace control and configuration parameters to subscriber data in HSS
Type: **CR 23.008-134 Rel-6**
Source: **Nokia**
Discussion:
Status: **Postponed to CN4#26**

1329 Rel-6 trace management additions to trace activation and deactivation procedures
Type: **CR 29.002-738 Rel-6**
Source: **Nokia**
Discussion:
Status: **Revised to N4-041524**

1524 Rel-6 trace management additions to trace activation and deactivation procedures
Type: **CR 29.002-738r1 Rel-6**

Source: **Nokia**
Discussion:

Nokia if we activating Rel-6 specific trace these parameters under 9.1.1 have to be sent. Some clarification text is needed to add.
Trace type have to allow parallel use of trace parameters in 3GPP and GSM network. Correction on text is needed.
Nokia: Clarification is needed form SA5 if HSS has IMEI this might be a trigger point for trace.
Ericsson:

Status: **Revised to N4-041656**

1656 Rel-6 trace management additions to trace activation and deactivation procedures
Type: **CR 29.002-738r2 Rel-6**
Source: **Nokia**
Discussion:
Status: **Postponed to CN4#26**

1425 Management Based Trace Activation impacts
Type: **CR 29.002-749 Rel-6**
Source: **Ericsson**
Discussion:
Status: **Postponed to CN4#26**

1426 Management Based Trace Activation impacts
Type: **INFO/ CR 29.018 - Rel-6**
Source: **Ericsson**
Discussion:
Status: **Postponed to CN4#26**

1427 Management Based Trace Activation impacts
Type: **CR 23.018 144 Rel-6**
Source: **Ericsson**
Discussion:
Status: **Postponed to CN4#26**

1428 Management Based Trace Activation impacts
Type: **CR 23.012 019 Rel-6**
Source: **Ericsson**
Discussion:
Status: **Revised to N4-041598**

1598 Management Based Trace Activation impacts
Type: **CR 23.012 019 Rel-6**
Source: **Ericsson**
Discussion:
Status: **Postponed to CN4#26**

1453 Management Based Trace Activation Signalling
Type: **CR 29.060 525 Rel-6**
Source: **Ericsson**
Discussion:
Status: **Postponed to CN4#26**

1686 Reply LS on Trace Issues
Type: **Output LS**
Source: **Ericsson**
Discussion:

Lucent and **Nokia** wanted to reject LS because irt would re-open issue which was already agreed.

Status: **Rejected**

7.7 Mn Interface

1450 General Edits to IMS-CS interworking MGW control, Mn Interface
Type: **CR 29.332 001 Rel-6**
Source: **Ericsson**
Discussion:
Status: **Withdrawn**

Open issues to be solved in Rel-6:

- **Alignment of th restriction with Mc-interface.**

Open issues to be solved in Rel-7:

None

7.8 Mp Interface

Open issues to be solved in Rel-6:

- **Nothing done in Rel-6**

Open issues to be solved in Rel-7:

- **Mp-interface will be moved to Rel-7**

7.9 GPRS

1296 Clarification on the usage of the Alternative GGSN Address
Type: **CR 29.060 513 Rel-6**
Source: **Lucent Technologies**
Discussion:
Status: **Revised to N4-041677**

1677 Clarification on the usage of the Alternative GGSN Address
Type: **CR 29.060 513r1 Rel-6**
Source: **Lucent Technologies**
Discussion:
Status: **Agreed**

1330 Sending the User Location Information IE
Type: **CR 29.060 516 Rel-6**
Source: **Nokia**
Discussion:

Vodafone believe CR is not needed because there are no needs to store User Location Information IE. This could be clarified in the different section of specification.
After checking the specification it was noted that IE is already available.

Status: **Rejected**

1331 Optimisation to presence requirements

of IP Flow related IEs for Primary & Secondary PDP Contexts
Type: **CR 29.060 517 Rel-6**
Source: **Nokia**
Discussion:

Lucent: For a secondary PDP context Activation procedure SGSN may include only the User Location Information IE doesn't give any additional value. It doesn't harm if IE are send as redundant.
Lucent believe CR is not needed.
Vodafone: This kind of clarification would be better to discuss in stage 2 specification.

Status: **Withdrawn**

1332 Introducing additional Radio Access Types
Type: **CR 29.060 518 Rel-6**
Source: **Nokia**
Discussion:
Status: **Withdrawn**

1546 LS on the PS Handover work
Type: **Input LS**
Source: **GERAN**
Discussion:

GERAN kindly requests CN4 to review the attached 3GPP TS 43.129 v2.0.0 Stage 2 for Packet-Switched Handover in A/Gb mode, providing feedback about affects on 29.060 where necessary.

Status: **Noted**

7.10 MBMS

1251 GERAN Assumptions and Open Issues for MBMS
Type: **Input LS - Rel-6**
Source: **GERAN WG2**
Discussion:
Status: **Noted**

1260 LS on MBMS NSAPI
Type: **Input LS**
Source: **SA2**
Discussion: CN4 can't finish the work before CN1 has made decision on NSAPI.

Status: **Noted**

1262 LS on Supporting MBMS Charging Mechanism
Type: **Input LS**
Source: **SA2**
Discussion:

MSISDN and MNC are already included in signalling from SGSN to GGSN for charging purposes.

Status: **Noted**

1259 Reply LS on Clarification of TMGI format
Type: **Input LS**

Source: **SA2**
Discussion: Topic already covered in CN4#24 meeting.
Status: **Noted**

1283 LS on Clarification of TMGI format
Type: **Input LS**
Source: **SA1**
Discussion:
Status: **Noted**

1601 LS on MBMS Information Elements over Iu interface
Type: **Input LS**
Source: **RAN3**
Discussion: Reply LS to RAN3 LS N4-041639
Status: **Noted**

1639 Reply LS on MBMS Information Elements over Iu interface
Type: **Output LS**
Source: **Vodafone**
Discussion:
Status: **Revised to N4-041690**

1690 Reply LS on MBMS Information Elements over Iu interface
Type: **Output LS**
Source: **Vodafone**
Discussion:
Status: **Approved**

1282 LS on MBMS Information Element coding
Type: **Input LS**
Source: **RAN3**
Discussion:
Status: **Noted**

1311 Addition of IEs to MBMS Session Start Request message
Type: **CR 29.060-514 Rel-6**
Source: **NTT DoCoMo**
Discussion: CN3 already proved to addition of MBMS-Service-Type-AVP on Gmb-interface.
Vodafone: Common flags could be used for MBMS Service Type.
NTT DoCoMo would like to see a new information element for MBMS Service Type.
Meeting agreed that common flags will be used.
Coding of MBMS Session Duration is under further study.
SGSN and GGSN are transparent for MBMS Session Duration.
Status: **Revised to N4-041657**

1657 Addition of IEs to MBMS Session Start Request message
Type: **CR 29.060-514r1 Rel-6**
Source: **NTT DoCoMo**
Discussion:
Status: **Agreed**

1312 Introduction of MBMS support indication between SGSNs
Type: CR 29.060-515 Rel-6
Source: NTT DoCoMo
Discussion:
Status: Revised to N4-041658

1658 Introduction of MBMS support indication between SGSNs
Type: CR 29.060-515r1 Rel-6
Source: NTT DoCoMo
Discussion:
Status: Agreed

1384 Additional support of IPv4 and IPv6 node addresses in create PDP and MBMS context procedures.
Type: DISC
Source: HUAWEI
Discussion:
Status: Noted

1385 Additional support of IPv4 and IPv6 node addresses in create PDP context procedure.
Type: CR 29.060-519 Rel-5
Source: HUAWEI
Discussion:
Nokia: Where is a frequent and serious misoperations to introduce this change in Rel-5. This is more clarification that correction.
Status: Agreed

1386 Additional support of IPv4 and IPv6 node addresses in create PDP and MBMS context procedures
Type: CR 29.060-520 Rel-6
Source: HUAWEI
Discussion:
Status: Agreed

1402 Change between MBMS supporting and non supporting SGSN
Type: CR 29.060-523 Rel-6
Source: Siemens
Discussion: Changes covered in N4-041358.
Status: Withdrawn

1452 GTP-C tunnel for MBMS broadcast
Type: CR 29.060 524 Rel-6
Source: Ericsson
Discussion:
Status: Agreed
Open issues to be solved in Rel-6:
- **NSAPI discussion might have some impacts**

Open issues to be solved in Rel-7:
None

7.11 CAMEL

GUP documents were handled in parallel session. A vice chairman Toshiyuki Tamura did chair the GUP session. Please, see document **N4-041637** regarding the meeting minutes of GUP.

1637 CN4-CAMEL session meeting report
Type: Report
Source: CN4 Vice-chairman
Discussion:
Status: Noted

1390 CR 23.018 094 Rel-6; Using the TNRy in Process ICH_MSC (sheet 8)
Type: CR
Source: HUAWEI
Discussion:
Status: Revised to N4-041630

1630 CR 23.018 094r1 Rel-6; Using the TNRy in Process ICH_MSC (sheet 8)
Type: CR
Source: HUAWEI
Discussion:
Status: Withdrawn

1391 CR 23.078 749 Rel-6; Correcting SDL of Process CS_gsmSSF (sheet 62)
Type: CR
Source: HUAWEI
Discussion:
Status: Revised to N4-041631

1631 CR 23.078 749r1 Rel-6; Correcting SDL of Process CS_gsmSSF (sheet 62)
Type: CR
Source: HUAWEI
Discussion:
Status: Agreed

1408 CR 23.078 757 Rel-6; Warning Tone
Type: CR
Source: Siemens
Discussion:
Status: Revised to N4-041632

1632 CR 23.078 757r1 Rel-6; Warning Tone
Type: CR
Source: Siemens
Discussion:
Status: Agreed

1420 CR 23.078 752 Rel-6; Correction to Change of Position handling in gsmSSF
Type: CR
Source: Ericsson
Discussion:
Status: Agreed

1421 CR 23.078 753 Rel-6; Correction in Sheet 18 of Process CSA_gsmSSF
Type: CR
Source: Ericsson
Discussion:
Status: Revised to N4-0401633

1633 CR 23.078 753r1 Rel-6; Correction in Sheet 18 of Process CSA_gsmSSF
Type: CR
Source: Ericsson
Discussion:
Status: Agreed

1422 CR 29.078 390 Rel-6; Correction of wrong TS numbers in references
Type: CR
Source: Ericsson
Discussion:
Status: Agreed

1496 Clarification of trigger in DP Analysed_Information
Type: CR 23.078 755 Rel-6
Source: China mobile
Discussion:
Status: Revised to N4-041516

1516 Clarification of trigger in DP Analysed_Information
Type: CR 23.078 755r1 Rel-6
Source: China mobile
Discussion:
Status: Revised to N4-041634

1634 Clarification of trigger in DP Analysed_Information
Type: CR 23.078 755r2 Rel-6
Source: China mobile
Discussion:
Status: Revised to N4-041636

1636 Clarification of trigger in DP Analysed_Information
Type: CR 23.078 755r3
Source: China mobile
Discussion:
Status: Email approval. Postponed to CN4#26 after email approval

1497 CR 23.078 756 Rel-6; Correction of description in DP Route_Select_Failure
Type: CR
Source: China mobile
Discussion:
Status: Revised to N4-041517

1517 CR 23.078 756r1 Rel-6; Correction of description in DP Route_Select_Failure
Type: CR

Source: China mobile
Discussion:
Status: Noted

1424 CR 23.078 748 Rel-6; Clarification on Outstanding Request Counter (ORC) handling at EDP-R or TDP-R resumption
Type: CR
Source: Ericsson
Discussion:
Status: Revised to N4-0401597

1597 CR 23.078 748r1 Rel-6; Clarification on Outstanding Request Counter (ORC) handling at EDP-R or TDP-R resumption
Type: CR
Source: Ericsson
Discussion:
Status: Revised to N4-0401635

1635 CR 23.078 748r2 Rel-6; Clarification on Outstanding Request Counter (ORC) handling at EDP-R or TDP-R resumption
Type: CR
Source: Ericsson
Discussion:
Status: Agreed

Open issues to be solved in Rel-6:

- **No changes since last meeting**

Open issues to be solved in Rel-7:

None

7.12 LCS2

1272 Incorrect Implementation of CR 731
Type: CR 29.002 747 Rel-6
Source: Siemens
Discussion:
Status: Agreed

1404 LCS Capability Handling for UEís
Type: CR 29.002 748 Rel-6
Source: Lucent Technologies
Discussion:
Status: Revised to N4-041684

1684 LCS Capability Handling for UEís
Type: CR 29.002 748r1 Rel-6
Source: Lucent Technologies
Discussion:
Status: Email approval. Agreed after email approval.

1495 Enable NA-ESRD Provision from a GMLC for E911 Location in North America
Type: CR 29.002 753 Rel-6
Source: Siemens, Lucent, Cingular Wireless
Discussion:
Status: Revised to N4-041685

1685 Enable NA-ESRD Provision from a GMLC for E911 Location in North America
Type: CR 29.002 753r1 Rel-6
Source: Siemens, Lucent, Cingular Wireless
Discussion:
Status: Agreed

1429 Fixing Inconsistencies with 3GPP TS 23.271
Type: CR 29.002 750 Rel-6
Source: Ericsson
Discussion:
Status: Withdrawn

1430 Fixing Inconsistencies with 3GPP TS 23.271
Type: CR 24.080 039 Rel-6
Source: Ericsson
Discussion:
Status: Withdrawn

1431 Fixing Inconsistencies with 3GPP TS 23.271
Type: CR 24.030 021 Rel-6
Source: Ericsson
Discussion:
Status: Withdrawn

7.13 OoBTC/TrFO

1269 Reply LS On the Outcome of Harmonization of AMR Configurations
Type: Input LS
Source: SA4
Discussion: Ericsson will provide CRs to 23.153 for requirements of LS in CN4#26.
Status: Noted

1273 3GUP properties correction
Type: CR 23.153-074 Rel-6
Source: Alcatel
Discussion:
Status: Revised to N4-041622

1622 3GUP properties correction
Type: CR 23.153-074r1 Rel-6
Source: Alcatel
Discussion:
Status: Agreed

7.14 MAP security

1252 Response to LS to 3GPP on Evaluation of the alternatives for SMS fraud countermeasures
Type: Input LS
Source: IREG Plenary 47
Discussion:
Status: Noted

1264 Reply LS on SMS Fraud countermeasures
Type: Input LS
Source: SA3
Discussion:
Status: Noted

1267 Reply LS on Evaluation of the alternatives for SMS fraud countermeasures
Type: Input LS
Source: SA3
Discussion:
Status: Noted

1270 All ; SMS Fraud countermeasures
Type: Input LS
Source: T2
Discussion:
Status: Noted

1271 SMS Fraud countermeasures
Type: CR 29.002 740r1 Rel-6
Source: Siemens
Discussion: Small changes in cover page.
LS to GSMA IREQ, SA3 and copy to T2, GSMA is needed.
Status: Revised to N4-041641

1641 SMS Fraud countermeasures
Type: CR 29.002-740r2 Rel-6
Source: Siemens
Discussion:
Status: Agreed

1642 Reply LS on SMS Fraud countermeasures
Type: Output LS
Source: Nortel
Discussion: The attachment has to be added N4-041641 29.002-740r2.
Vodafone: Key distribution requirements will be removed from SA3 work
Status: Revised to N4-041691

1691 Reply LS on SMS Fraud countermeasures
Type: Output LS
Source: Nortel
Discussion: The attachment has to be added N4-041641 29.002-740r2.
Vodafone: Key distribution requirements will be removed from SA3 work
Status: Revised to N4-041691

7.15 Networksharing

1285 LS on Indication of selected CN operator in connected mode in Shared Networks
Type: Input LS
Source: SA2
Discussion: CN4 have to wait decision of RAN3.
Status: Noted

1361 Inclusion of selected CN operator ID parameter
Type: CR 23.008-135 Rel-6
Source: TeliaSonera
Discussion:
Status: Agreed

7.16 Release 6 specifications

1249 CN4 Rel-5 specifications updates to Rel-6
Type: DISC
Source: MCC
Discussion:
Status: Noted

7.17 Any other business for Release 6

7.17.1 ASCI

1246 Introducing VGCS/VBS ciphering
Type: CR 29.002-746 Rel-6
Source: Siemens
Discussion:
Status: Revised to N4-041662

1662 Introducing VGCS/VBS ciphering
Type: CR 29.002-746r1 Rel-6
Source: Siemens
Discussion:
Status: Agreed

7.17.2 Early IMS security

1265 Security aspects of early IMS systems
Type: Input LS
Source: SA3
Discussion:
Status: Noted

1334 Introduction of Early IMS security mechanisms
Type: CR 29.228-145 Rel-6
Source: Vodafone, Siemens
Discussion:
Status: Revised to N4-041544

1544 Introduction of Early IMS security mechanisms
Type: **CR 29.228-145r1 Rel-6**
Source: **Vodafone, Siemens**
Discussion:

Nokia: The changes should not be specified as normative in Technical Specification. The right place would be in Technical Report.
There was discussion if Annex should be added to specification as Normative Annex or if the right place would be TR 33.878.
Chairman proposed to ask guidance from CN and SA plenary if this is an optional or mandatory feature for Rel-6 or is this Rel-7 issue.
More guidance is needed from SA3 by LS N4-041604 with technical CRs attached.
Nokia: It would speed up the process if annex is added only for TR.
Nokia: If Annex is added in specification, it should only include differences instead of copy-paste from other Cx specifications.

Status: **Revised to N4-041604**

1604 Introduction of Early IMS security mechanisms
Type: **CR 29.228-145r2 Rel-6**
Source: **Vodafone, Siemens, Nokia**
Discussion: Cover page will be changed as discussion paper.
References which are not related on topic will be removed.
Meeting agreed to send discussion paper to SA3. If some company have any concerns related to document all disagreement should be raised in SA3 meeting.
Status: **Revised to N4-041643**

1605 Reply LS on Introduction of Early IMS security mechanisms
Type: **Output LS**
Source: **Vodafone**
Discussion:
Status: **Approved**

1643 Introduction of Early IMS security mechanisms
Type: **DISC**
Source: **Vodafone, Siemens, Nokia**
Discussion: Cover page will be changed as discussion paper.
References which are not related on topic will be removed.
Meeting agreed to send discussion paper to SA3. If some company have any concerns related to document all disagreement should be raised in SA3 meeting.
Status: **Noted**

1335 Introduction of Early IMS security mechanisms
Type: **CR 29.229 068 Rel-6**
Source: **Vodafone, Siemens**
Discussion:
Status: **Withdrawn**

1336 Introduction of Early IMS security mechanisms
Type: **CR 29.230 005 Rel-6**
Source: **Vodafone, Siemens**
Discussion:
Status: **Withdrawn**

7.17.3 MAP

1477 Correction to the service response parameters of ATI
Type: CR 29.002-752 Rel-6
Source: Nokia
Discussion:
Status: Agreed

7.17.4 SCUDIF

1514 LS on completion of network initiated SCUDIF support
Type: Input LS
Source: RAN3
Discussion:
Status: Postponed to CN4#26

1522 Full RANAP support of network initiated SCUDIF
Type: DISC
Source: Nokia
Discussion:
Status: Postponed to CN4#26

1476 Full RANAP support of network initiated SCUDIF
Type: CR
Source: Nokia
Discussion:
Status: Postponed to CN4#26

1523 CR 29.010 Rel-6; Full RANAP support of network initiated SCUDIF
Type: CR
Source: Nokia
Discussion:
Status: Postponed to CN4#26

8 Release 5 and earlier

8.1 Subscriber data handling for the IMS

8.1.1 HSS ñ CSCF (Cx) & SLF - CSCF (Dx) interfaces

1289 HSS initiated deregistration with "not registered" registration state
Type: CR 29.228-137 Rel-5
Source: Orange
Discussion:
Lucent: The sentence needs to be clarified. Should be mention.
The content of this CR might be changed depending on decision in SA2 on private and public user ID.
Status: Revised to N4-041561

1561 HSS initiated deregistration with "not registered" registration state
Type: CR 29.228-137r1 Rel-5

Source: Orange
Discussion:
Status: Agreed

1290 HSS initiated deregistration with "not registered" registration state
Type: CR 29.228-138 Rel-6
Source: Orange
Discussion:
Status: Revised to N4-041562

1562 HSS initiated deregistration with "not registered" registration state
Type: CR 29.228-138r1 Rel-6
Source: Orange
Discussion:
Status: Agreed

1291 HSS initiated deregistration with user profile removal for permanent termination
Type: CR 29.228 138 Rel-5
Source: Orange
Discussion: **Vodafone**: Stage 2 requirement are needed and this seems to be more stage 2 issue.
Nokia: Deleting of user profile should be done in S-CSCF instead of HSS. There are no requirements that user profile should be deleted in HSS.
Orange: Permanent termination is not fulfilled if user profile is not deleted from HSS.
Nokia: This kind of information is not something which need to be defined. This can be do in operator's user profile management.
> **Vodafone** can't except this have to be stated somewhere in 3GPP specification, if not in stage 2 then the right place is TS 29.228.

Lucent proposed to slightly modify the text: "*The HSS shall delete the service profile for this IMS subscription or service profiles.*"
HP: Maybe a new chapter is needed to clarify changes if HSS is affected.
Orange: It is not clearly stated what HSS should do in this kind of situation.
After discussion meeting agreed to add following text in specification: "*The user is no longer available for registration or terminating calls in the HSS.*"
Meeting agreed to have changes only in Rel-6.
Status: Withdrawn

1292 HSS initiated deregistration with user profile removal for permanent termination
Type: CR 29.228 140 Rel-6
Source: Orange
Discussion:
Status: Revised to N4-041563

1563 HSS initiated deregistration with user profile removal for permanent termination
Type: CR 29.228-140r1 Rel-6
Source: Orange
Discussion:
Status: Agreed

1293 HSS initiated deregistration using the network initiated de-registration procedure
Type: CR 29.228-141 Rel-5
Source: Orange
Discussion: **Ericsson**: The CR is related to CN1 CR.

Vodafone: This should be clarification but the effect with these changes is opposite.
Vodafone: Changes in N4-041563 have made in same chapter. Have to be taken account during implementation of CR.

Status: **Revised to N4-041628**

1628 HSS initiated deregistration using the network initiated de-registration procedure
Type: **CR 29.228-141r1 Rel-5**
Source: **Orange**
Discussion: **Orange**: The related CN1 CRs are not yet approved in CN1.
Nokia: The details of procedures have been removed and this doesn't give any information to CN1 to make decision in 24.229.
Lucent: If CN1 is describing S-CSCF behaviour there are no needs to duplicate the information in stage3 specification.
Ericsson would like to see this described CN1 specification only because in here we are describing HSS behaviour only.
Off-line discussion is needed on topic.
CN4 delegates would like to see associated CN1 CRs.
France Telecom: Do we need any S-CSCF behaviour described in CN4 specifications?
Nokia: There are no problems to have something about S-CSCF in CN4 specification but we should try to avoid overlapping between specifications.
Status: **Revised to N4-041647**

1647 HSS initiated deregistration using the network initiated de-registration procedure
Type: **CR 29.228-141r2 Rel-5**
Source: **Orange**
Discussion:
Status: **Agreed**

1294 HSS initiated deregistration using the network initiated de-registration procedure
Type: **CR 29.228-142 Rel-6**
Source: **Orange**
Discussion:
Status: **Revised to N4-041629**

1629 HSS initiated deregistration using the network initiated de-registration procedure
Type: **CR 29.228-142r1 Rel-6**
Source: **Orange**
Discussion:
Status: **Revised to N4-041648**

1648 HSS initiated deregistration using the network initiated de-registration procedure
Type: **CR 29.228-142r2 Rel-6**
Source: **Orange**
Discussion:
Status: **Agreed**

1297 Charging Collection Function Name
Type: **CR 29.228 143 Rel-5**
Source: **Siemens**
Discussion: **Vodafone:** One of the Primary Charging Collection Function name have to be included.
Vodafone would like to keep records for online user only.
Meeting couldn't agree the proposed changes because of different view of operator.

Status: **Rejected**

1298 Charging Collection Function Name
Type: **CR 29.228 144 Rel-6**
Source: **Siemens**
Discussion:
Status: **Rejected**

1299 Charging Collection Function Name
Type: **CR 29.229 066 Rel-5**
Source: **Siemens**
Discussion:
Status: **Rejected**

1300 Charging Collection Function Name
Type: **CR 29.229 067 Rel-6**
Source: **Siemens**
Discussion:
Status: **Rejected**

1339 Avoiding undesired deregistration
Type: **CR 29.228-147 Rel-5**
Source: **Nokia**
Discussion: **Ericsson:** The CR was presented in CN4#24 almost the same content.
Ericsson: Where is the case where S-CSCF will change the address? Ericsson challenge this can happen. We have to get more information from CN1 on related problem.
LS to CN1 to get some clarification on proposed correction. N4-041564.
Status:

1564 S-CSCF client address comprising and their effect on de-registration
Type: **Output LS**
Source: **Lucent**
Discussion:
Status: **Approved**

1340 Avoiding undesired deregistration
Type: **CR 29.228 148 Rel-6**
Source: **Nokia**
Discussion:
Status: **Postponed to CN4#26**

1341 Regular Expressions
Type: **CR 29.228 149 Rel-5**
Source: **Nokia**
Discussion: **Lucent**: Have to be checked if all the changes are covered.
After check meeting agreed that all the changes are covered.
Status: **Agreed**

1342 Regular Expressions
Type: **CR 29.228 150 Rel-6**
Source: **Nokia**
Discussion: **Agreed**

Status: **Agreed**

1343 Cx ABNF corrections
Type: **CR 29.229 069 Rel-5**
Source: **Nokia**
Discussion:
Status: **Agreed**

1344 Cx ABNF corrections
Type: **CR 29.229 070 Rel-6**
Source: **Nokia**
Discussion:
Status: **Agreed**

1392 Clarification of the User Profile
Type: **CR 29.228 151 Rel-5**
Source: **HUAWEI**
Discussion:
Siemens: The session case should not be changed. It's still valid that we have three Session Cases.
Nokia, Siemens, Ericsson, Nortel and **Lucent** still believe there is no need to change current specification. All three cases are still needed.
Status: **Withdrawn**

1393 Clarification of the User Profile
Type: **CR 29.228 152 Rel-6**
Source: **HUAWEI**
Discussion:
Status: **Withdrawn**

1394 Clarification to the error case handling
Type: **CR 29.228 153 Rel-6**
Source: **HUAWEI**
Discussion:
Status: **Withdrawn**

1395 Clarification to the selection of S-CSCF
Type: **CR 29.228 154 Rel-6**
Source: **HUAWEI**
Discussion: **Lucent**: The cases pointed out are already covered in current specification.
Ericsson: The CR is against stage 2 requirements.
Nokia: The change of serving S-CSCF during terminating session needs requirements from SA2.
Status: **Withdrawn**

1478 Handling of Information Element marked as (M), (C) or (O)
Type: **DISC**
Source: **FT**
Discussion:
Status: **Revised to N4-041554**

1554 Handling of Information Element marked as (M), (C) or (O)

Type: DISC
Source: FT
Background:

In the tables describing the Information Elements transported in the various commands specified in the TS 29.228, TS. 29.328, TS 29.234, there is no description of the meaning of the "Mandatory", "Conditional" and "Optional". Moreover, it is not described the correct handling when one of those information elements are missing in received request.

It is proposed to add a descriptive text in the beginning of each section describing the procedure in the corresponding specifications that will explain the use of the terms "Mandatory", "Conditional" and "Optional" in the table.
Moreover, the text states that a missing mandatory information element in a command shall cause an application error and an answer message shall be send back to the originator of the request with a Result-Code set to DIAMETER_MISSING_AVP and a Failed-AVP AVP containing an example of the missing AVP..
The appropriate handling is also detailled for Conditional and Optional information elements.

Discussion:
Status: **Noted**

1483 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.228 160 Rel-5
Source: FT
Discussion:
Status: **Revised to N4-041557**

1557 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.228-160r1 Rel-5
Source: FT
Discussion:
Status: **Revised to N4-041565**

1565 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.228-160r2 Rel-5
Source: FT
Discussion:
Status: **Agreed**

1479 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.228 159 Rel-6
Source: FT
Discussion:
Status: **Revised to N4-041555**

1555 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.228 159r1 Rel-6
Source: FT
Discussion:
Status: **Revised to N4-041566**

1566 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.228 159r1 Rel-6

Source: FT
Discussion:
Status: Agreed

1485 Definition of the DIAMETER_MISSING_APPLICATION_AVP experimental result code
Type: CR 29.229-075 Rel-5
Source: FT
Discussion:
Status: Withdrawn

1482 Definition of the DIAMETER_MISSING_APPLICATION_AVP experimental result code
Type: CR 29.229-074 Rel-6
Source: FT
Discussion:
Status: Withdrawn

1487 Clarification on the user state handling
Type: CR 29.228 162 Rel-5
Source: FT
Discussion:
Status: Withdrawn

1486 Clarification on the user state handling
Type: CR 29.228-161 Rel-6
Source: FT
Discussion:
Status: Withdrawn

8.1.2 HSS ñ SIP AS (Sh) interface

1274 Discussion on Notification of the Authentication Pending State upon Registration
Type: DISC
Source: Lucent Technologies
Discussion: **Nokia**: The clearest think to do is to delete Authentication Pending State from User State.
Ericsson would prefer the notification to AS.
Ericsson proposal was agreed by meeting
Status: Noted

1275 Removal of Notification of the Authentication Pending State upon Registration
Type: CR 29.328-096 Rel-5
Source: Lucent Technologies
Discussion:
A new sentence should be moved to different section like 6.1.3 or 6.1.4.
The sentence was agreed to move in new paragraph under 6.1.4.1.
Ericsson believe this is not an essential correction which mean Rel-5 CR can't be accepted.
Status: Rejected

1276 Removal of Notification of the Authentication Pending State upon Registration
Type: CR 29.328-097 Rel-6
Source: Lucent Technologies
Discussion:

Status: **Revised to N4-041600**

1600 Removal of Notification of the Authentication Pending State upon Registration
Type: **CR 29.328-097r1 Rel-6**
Source: **Lucent Technologies**
Discussion:
Status: **Revised to N4-041700**

1700 Removal of Notification of the Authentication Pending State upon Registration
Type: **CR 29.328-097r1 Rel-6**
Source: **Lucent Technologies**
Discussion:
Status: **Agreed**

1277 Sh-Update incorrectly includes Data-Reference in Data Table
Type: **CR 29.328-098 Rel-5**
Source: **Lucent Technologies**
Discussion:
Lucent: The current specification is not aligning with the table. This might cause confusion.
Status: **Rejected**

1278 Sh-Update incorrectly includes Data-Reference in Data Table
Type: **CR 29.328-099 Rel-6**
Source: **Lucent Technologies**
Discussion:
Status: **Revised to N4-041608**

1608 Sh-Update incorrectly includes Data-Reference in Data Table
Type: **CR 29.328-099r1 Rel-6**
Source: **Lucent Technologies**
Discussion:
Status: **Email approval. Postponed to CN4#26 after email approval**

1279 Sh-Pull Data Download
Type: **CR 29.328-100 Rel-5**
Source: **Lucent Technologies**
Discussion: **Vodafone**:
Status: **Rejected**

1280 Sh-Pull Data Download
Type: **CR 29.328-101 Rel-6**
Source: **Lucent Technologies**
Discussion:
Status: **Revised to N4-041611**

1611 Sh-Pull Data Download
Type: **CR 29.328-101r1 Rel-6**
Source: **Lucent Technologies**
Discussion:
Status: **Agreed**

1345 Sh ABNF corrections
Type: CR 29.329 052 Rel-5
Source: Nokia
Discussion:
Status: Agreed

1346 Sh ABNF corrections
Type: CR 29.329 053 Rel-6
Source: Nokia
Discussion:
Status: Agreed

1484 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.328-109 Rel-5
Source: FT
Discussion:
Status: Revised to N4-041558

1558 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.328-109r1 Rel-5
Source: FT
Discussion:
Status: Revised to N4-041567

1567 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.328-109r2 Rel-5
Source: FT
Discussion:
Status: Agreed

1480 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.328-108 Rel-6
Source: FT
Discussion:
Status: Revised to N4-041559

1558 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.328-108r1 Rel-6
Source: FT
Discussion:
Status: Revised to N4-041568

1568 Handling of Information Element marked as (M), (C) or (O)
Type: CR 29.328-108r2 Rel-6
Source: FT
Discussion:
Status: Agreed

8.2 GPRS

1541 LS on 23.060 CR on RIM-NACC clean up

Type: **Input LS**
Source: **GERAN 2**
Discussion:
Status: **Noted**

1387 Support of IPv4 and IPv6 node addresses on Mobility Management Procedures.
Type: **DISC**
Source: **HUAWEI**
Discussion:
Lucent don't believe this problem is not frequent and serious misoperations.
Huawei: If some operator want to introduce IPv6 in Rel-6 this change is needed.
Nokia can accept the proposed change in Rel-6.
Status: **Noted**

1388 Support of IPv4 and IPv6 node addresses on Mobility Management Procedures.
Type: **CR 29.060 521 Rel-5**
Source: **HUAWEI**
Discussion:
Status: **Rejected**

1389 Support of IPv4 and IPv6 node addresses on Mobility Management Procedures.
Type: **CR 29.060 522 Rel-6**
Source: **HUAWEI**
Discussion:
CR needs to be revised to before CN4#26.
CN4 meeting agreed this change is needed in Rel-6 as correction.
It was agreed that Huawei is allowed to bring CR to CN4#26 without objection.
Status: **Postponed to CN4#26**

8.3 CAMEL

1405 CR 23.078 750 Rel-5; Correct call resumption for multiple Outstanding Requests
Type: **CR**
Source: **Alcatel**
Discussion:
Status: **Withdrawn**

1406 CR 23.078 751 Rel-6; Correct call resumption for multiple Outstanding Requests
Type: **CR**
Source: **Alcatel**
Discussion:
Status: **Withdrawn**

1423 CR 23.078 754 Rel-5; Clarification on Outstanding Request Counter (ORC) handling at EDP-R or TDP-R resumption
Type: **CR**
Source: **Ericsson**
Discussion:
Status: **Agreed**

8.4 Location Services

8.5 OoBTC/TrFO

1301 TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2
Type: CR 23.153-075 Rel-4
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Agreed

1302 TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2
Type: CR 23.153-076 Rel-5
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Agreed

1623 LS on TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2
Type: Output LS
Source: Siemens
Discussion:
Status: Approved

1303 TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2
Type: CR/INFO 26.103 - Rel-4
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Noted

1304 TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2
Type: CR/INFO 26.103 - Rel-5
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Noted

1305 TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2
Type: CR/INFO 26.103 - Rel-6
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Noted

1306 TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2
Type: CR/INFO 28.062 - Rel-4
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Noted

1307 TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2
Type: CR/INFO 28.062 - Rel-5
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Noted

1308 TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2
Type: CR/INFO 28.062 - Rel-6
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Noted

1309 Correction of distant codec list
Type: CR 29.232-077 Rel-4
Source: Siemens
Discussion: It is not necessary to send TrFO list in every case.
"The addition of text encoding for the TFO codec list is for further study" can be maybe removed from the beginning of 13.1.
Status: Agreed

1310 Correction of distant codec list
Type: CR 29.232-078 Rel-5
Source: Siemens
Discussion:
Status: Agreed

1333 IP transport package Duplicate property ID in ASN.1 encoding
Type: CR 29.232-079 Rel-5
Source: Nokia
Discussion:
Status: Agreed

1397 Detailed description of the handling of codec negotiation parameters
Type: CR 23.153-077 Rel-4
Source: Siemens
Discussion:
Status: Revised to N4-041518

1518 Detailed description of the handling of codec negotiation parameters
Type: CR 23.153-077r1 Rel-4
Source: Siemens
Discussion:
Alcatel: "The TFO Codec List (H.248) is passed via the Mc interfaceÖ " should clarify because it cause confuse. Additional CR is needed to clarify this in 29.232.
Siemens: This is more TFO than TrFO issue. The proposed text can be modified if this is common view of meeting.
Ericsson support CR
Status: Agreed

1398 Detailed description of the handling of codec negotiation parameters
Type: CR 23.153-078 Rel-5
Source: Siemens
Discussion:
Status: Revised to N4-041519

1519 Detailed description of the handling of codec negotiation parameters
Type: CR 23.153-078r1 Rel-5

Source: **Siemens**
Discussion:
Status: **Agreed**

1399 Addition of missing condition for transcoder free operation in the MGW
Type: **CR 23.153-079 Rel-4**
Source: **Siemens**
Discussion:
Status: **Revised to N4-041520**

1520 Addition of missing condition for transcoder free operation in the MGW
Type: **CR 23.153-079r1 Rel-4**
Source: **Siemens**
Discussion:
Alcatel: Clarification is needed on second bullet of proposed CR.
Siemens: We can add sentence after bullet point that we are talking TrFO codec, but not about IU user plane functionality because it needs monitoring.
Nokia: In general can we use TFO/TrFO-compatible instead of TFO-compatible.
Siemens: 28.062 is based only TFO which is referred in this CR.
Lucent, Alcatel and **Ericsson** do not see need to add anything regarding to TrFO-compatible.
Status: **Revised to N4-041624**

1624 Addition of missing condition for transcoder free operation in the MGW
Type: **CR 23.153-079r2 Rel-4**
Source: **Siemens**
Discussion:
Ericsson believe changes are too detailed for MGW.
Status: **Revised to N4-041701**

1701 Addition of missing condition for transcoder free operation in the MGW
Type: **CR 23.153-079r2 Rel-4**
Source: **Siemens**
Discussion:
Ericsson believe changes are too detailed for MGW.
Status: **Agreed**

1400 Addition of missing condition for transcoder free operation in the MGW
Type: **CR 23.153-080 Rel-5**
Source: **Siemens**
Discussion:
Status: **Revised to N4-041521**

1521 Addition of missing condition for transcoder free operation in the MGW
Type: **CR 23.153-080r1 Rel-5**
Source: **Siemens**
Discussion:
Status: **Revised to N4-041625**

1625 Addition of missing condition for transcoder free operation in the MGW
Type: **CR 23.153-080r2 Rel-5**
Source: **Siemens**

Discussion:
Status: **Revised to N4-041702**

1702 Addition of missing condition for transcoder free operation in the MGW
Type: **CR 23.153-080r2 Rel-5**
Source: **Siemens**
Discussion:
Status: **Agreed**

1401 Correction of the inter-MSC handover during TrFO
Type: **CR 23.153 081 Rel-5**
Source: **Siemens**
Discussion:
Status: **Agreed**

1403 Usage of Topology
Type: **DISC**
Source: **Siemens**
Discussion:
Status: **Postponed to CN4#26**

1447 Use Of Topology with rate control PDUs
Type: **DISC**
Source: **Ericsson**
Discussion:
Status: **Postponed to CN4#26**

1448 Clarification of Rate Control handling in MGW
Type: **CR 29.232 095 Rel-5**
Source: **Ericsson**
Discussion:
Status:

1449 Clarification of Rate Control handling
Type: **CR 23.153 082 Rel-5**
Source: **Ericsson**
Discussion:
Status:

1488 On the codec list for OoBTC ñ TrFO
Type: **DISC**
Source: **Ericsson**
Discussion:
Status: **Withdrawn**

1489 Clarifications for AMR
Type: **CR/INFO 26.103 - Rel-4**
Source: **Ericsson, Lucent, Siemens**
Discussion:
Status: **Withdrawn**

1490 CR/INFO 26.103 - Rel-5; Clarifications for AMR

Type: xx, Withdrawn
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Withdrawn

1491 CR/INFO 26.103 - Rel-6; Clarifications for AMR
Type: xx, Withdrawn
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Withdrawn

1492 CR/INFO 26.103 - Rel-4; Clarifications for AMR
Type: xx, Withdrawn
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Withdrawn

1493 CR/INFO 26.103 - Rel-5; Clarifications for AMR
Type: xx, Withdrawn
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Withdrawn

1494 CR/INFO 26.103 - Rel-6; Clarifications for AMR
Type: xx, Withdrawn
Source: Ericsson, Lucent, Siemens
Discussion:
Status: Withdrawn

1504 On the Codec List for OoBTC - TrFO
Type: DISC
Source: Ericsson
Discussion:
Status: Revised to N4-041533

1533 On the Codec List for OoBTC - TrFO
Type: DISC
Source: Ericsson
Discussion:
Status: Noted

1505 Clarifications for AMR, Alt 1
Type: INFO CR 26.103 - Rel-4
Source: Ericsson
Discussion:
Status: Revised to N4-041534

1534 Clarifications for AMR, Alt 1
Type: INFO CR 26.103 - Rel-4
Source: Ericsson
Discussion: Noted

CN4 meeting didn't agree this proposal. Delegates prefer see alternative solution N4-041535.

Status: **Noted**

1506 Clarifications for AMR, Alt 2
Type: **INFO CR 26.103 Rel-4**
Source: **Ericsson**
Discussion:
Status: **Revised to N4-041535**

1535 Clarifications for AMR, Alt 2
Type: **INFO CR 26.103 Rel-4**
Source: **Ericsson**
Discussion: **CN4** meeting prefer this approach with some corrections on proposed text.
Status: **Revised to N4-041651**

1651 Output LS on Clarifications for AMR, Alt 2
Type: **INFO CR 26.103 Rel-4**
Source: **Ericsson**
Discussion:
Status: **Noted**

1652 Clarifications for AMR, Alt 2
Type: **INFO CR 26.103 Rel-4**
Source: **Ericsson**
Discussion:
Status: **Agreed**

1507 OoBTC / TrFO for Iu UP V1
Type: **CR 23.153-083 Rel-4**
Source: **Ericsson**
Discussion:
Siemens is not of the favour of proposed change because current CR changes the requirement of Framing Protocol Initialisation.
Nokia: It's not mention in proposed text that initialisation can also come from MGW to RNC.
After discussion CR was rejected because it might change functional behaviour.
Status: **Rejected**

1508 OoBTC / TrFO for Iu UP V1
Type: **CR 23.153-084 Rel-5**
Source: **Ericsson**
Discussion: See comments on N4-041507
Status: **Rejected**

8.6 Any Other Business for Release 5 and earlier

8.6.1 Iu Flex

1241 IuFlex Problem
Type: **DISC**
Source: **Siemens**

Background:

Discussion: **Ericsson**: Does the solution solve a problem or only hide it?
Siemens: It doesn't correct miss configured database. It solves the consequences of database. Nothing are tried to hide.
Siemens: Database can be misaligned when "Send Id Req" is looping around.
Ericsson don't see this is frequent and serious miss operation.
Meeting couldn't agree a discussion paper, but the common view was this is not needed at least for Rel-5.
After discussion documents decided to postpone.
Status: **Noted**

1242 Introduction of Hop Counter for Send Identification
Type: **CR 23.012-017 Rel-5**
Source: **Siemens**
Discussion:
Status: **Rejected**

1243 Introduction of Hop Counter for Send Identification
Type: **CR 23.012-018 Rel-6**
Source: **Siemens**
Discussion:
Status: **Postponed to CN4#26**

1244 Introduction of Hop Counter for Send Identification
Type: **CR 29.002 744 Rel-5**
Source: **Siemens**
Discussion:
Status: **Rejected**

1245 Introduction of Hop Counter for Send Identification
Type: **CR 29.002 745 Rel-6**
Source: **Siemens**
Discussion:
Status: **Postponed to CN4#26**

1626 Clarification of NRI position within (P)-TMSI
Type: **CR 23.003-094 Rel-5**
Source: **Nokia**
Discussion:
Status: **Revised to N4-041667**

1667 Clarification of NRI position within (P)-TMSI
Type: **CR 23.003-094r1 Rel-5**
Source: **Nokia**
Discussion:
Status: **Agreed**

1627 Clarification of NRI position within (P)-TMSI
Type: **CR 23.003-095 Rel-6**
Source: **Nokia**
Discussion:

Status: **Revised to N4-041668**

1668 Clarification of NRI position within (P)-TMSI
Type: **CR 23.003-095r1 Rel-6**
Source: **Nokia**
Discussion:
Status: **Agreed**

8.6.2 Mc Interface

1432 H.248 Scope
Type: **CR 29.232 080 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Revised to N4-041669**

1669 H.248 Scope
Type: **CR 29.232 080r1 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Agreed**

1433 Q.1950 reference
Type: **CR 29.232 081 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Revised to N4-041545**

1545 Q.1950 reference
Type: **CR 29.232 081r1 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Agreed**

1434 Emdedded events
Type: **CR 29.232 082 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Nortel: There should not be requirement that we don't support Embedded Signals or Embedded Events. This CR limits operator's possibilities.
Vodafone, Ericsson, Nokia and Lucent support CR.
Nortel might object the CR in the plenary.
Status: **Agreed**

1435 Sequential signal list
Type: **CR 29.232 083 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Objections were raised by Nokia and Siemens.
Status: **Withdrawn**

1436 Multiple streams

Type: **CR 29.232 084 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Agreed**

1437 ; Overspec/underspec parameters
Type: **CR 29.232 085 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Revised to N4-041670**

1670 ; Overspec/underspec parameters
Type: **CR 29.232 085r1 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Agreed**

1438 ; Audit restriction
Type: **CR 29.232 086 Rel-5**
Source: **Ericsson, Vodafone**
Discussion: **Nokia** would like to add support packages in Media Gateway.
Nokia: Codec should be support audit capability.
Ericsson: There are no requirements for this on Mc-interface.
Audit capability section will be removed from the CR.
Delegates want more time to check email back at home. CR will be handled as email approval.
Status: **Revised to N4-041671**

1671 ; Audit restriction
Type: **CR 29.232 086r1 Rel-5**
Source: **Ericsson, Vodafone**
Discussion: **Nokia** would like to add support packages in Media Gateway.
Nokia: Codec should be support audit capability.
Ericsson: There are no requirements for this on Mc-interface.
Audit capability section will be removed from the CR.
Delegates want more time to check email back at home. CR will be handled as email approval.
Status: **Email approval. Postponed to CN4#26 after email approval**

1439 Service change methods
Type: **CR 29.232 087 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Ericsson: The functionality is not complete specified in H.248.
Alcatel: would like check if the alternative approach by Ericsson fulfil the same functionality.
Status: **Revised to N4-041672**

1672 Service change methods
Type: **CR 29.232 087r1 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:

Email approval,
Status: **Email approval. Postponed to CN4#26 after email approval**

1440 Procedures and Commands ñ removal of unwanted commands
Type: **CR 29.232 088 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Revised to N4-041640**

1640 Procedures and Commands ñ removal of unwanted commands
Type: **CR 29.232 088r1 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Revised to N4-041674**

1674 Procedures and Commands ñ removal of unwanted commands
Type: **CR 29.232 088r2 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **E-mail approval. Agreed after email approval.**

1441 Commands on ROOT
Type: **CR 29.232 089 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Revised to N4-041645**

1645 Commands on ROOT
Type: **CR 29.232 089r1 Rel-5**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Withdrawn**

1442 Optional and Mandatory Packages and Properties
Type: **CR 29.232 090 Rel-5**
Source: **Ericsson**
Discussion:
Status: **Postponed to CN4#26**

1443 Procedures and Commands ñ removal of unwanted commands
Type: **CR 29.232 091 Rel-5**
Source: **Ericsson**
Discussion:
Status: **Withdrawn**

1444 H.248.1 Version 2
Type: **CR 29.232 092 Rel-6**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Agreed**

1445 Recommended message length

Type: **CR 29.232 093 Rel-6**
Source: **Ericsson, Vodafone**
Discussion: Companies do not want to limit
Status: **Rejected**

1446 Recommended Commands per msg
Type: **CR 29.232-094 Rel-6**
Source: **Ericsson, Vodafone**
Discussion:
Status: **Revised to N4-041569**

1569 Recommended Commands per msg
Type: **CR 29.232-094r1 Rel-6**
Source: **Ericsson, Vodafone**
Discussion:

Nortel don't want to see limitation the number of command requests per Mc transaction should be limited to 15. Maintenance and audits shall be excluded from the limit.

Status: **Revised to N4-041675**

1675 Recommended Commands per msg
Type: **CR 29.232-094r2 Rel-6**
Source: **Ericsson, Vodafone**
Discussion:

Nortel don't want to see limitation the number of command requests per Mc transaction should be limited to 15. Maintenance and audits shall be excluded from the limit.

Status: **E-mail approval**

8.6.3 Supplementary Servcie

1501 Sequence numbering for SS via PS
Type: **CR 24.080 040 Rel-4**
Source: **Siemens AG, Infineon**
Discussion:

Nokia: If a sequence number is reserved on the network side it shall be ignored.
Status: **Revised to N4-041664**

1664 Sequence numbering for SS via PS
Type: **CR 24.080-040r1 Rel-4**
Source: **Siemens AG, Infineon**
Discussion:
Status: **Agreed**

1502 Sequence numbering for SS via PS
Type: **CR 24.080-041 Rel-5**
Source: **Siemens AG, Infineon**
Discussion:
Status: **Revised to N4-041665**

1665 Sequence numbering for SS via PS
Type: **CR 24.080-041r1 Rel-5**

Source: Siemens AG, Infineon
Discussion:
Status: Agreed

1503 Sequence numbering for SS via PS
Type: CR 24.080-042 Rel-6
Source: Siemens AG, Infineon
Discussion:
Status: Revised to N4-041666

1666 Sequence numbering for SS via PS
Type: CR 24.080-042r1 Rel-6
Source: Siemens AG, Infineon
Discussion:
Status: Agreed

8.6.4 MAP

1509 CRs to R99, Rel-4, Rel-5 and Rel-6 towards 29.002
Type: DISC
Source: China Mobile
Discussion:
Status: Revised to N4-041528

1528 CRs to R99, Rel-4, Rel-5 and Rel-6 towards 29.002
Type: DISC
Source: China Mobile
Discussion: **Lucent** support CRs and would like to see them as implemented.
Vodafone believe this is already specified in security specifications and in 3GPP we should avoid duplication. Vodafone can accept the changes in Rel-6.
Ericsson believe this is more clarification than essential correction and can be approved only for Rel-6.
Vodafone D2: This is more clarification because this is already introduces in MAP specifications.
CRs from R99 to Rel-5 are rejected because Vodafone and Ericsson do not see these as essential correction.
Status: Noted

1510 ; Clarification about returning authentication data for a UMTS subscriber
Type: CR 29.002 754 R99
Source: China Mobile
Discussion:
Status: Revised to N4-041529

1529 Clarification about returning authentication data for a UMTS subscriber
Type: CR 29.002 754r1 R99
Source: China Mobile
Discussion:
Status: Rejected

1511 Clarification about returning authentication data for a UMTS subscriber

Type: CR 29.002 755 Rel-4
Source: China Mobile
Discussion:
Status: Revised to N4-041530

1530 Clarification about returning authentication data for a UMTS subscriber
Type: CR 29.002 755r1 Rel-4
Source: China Mobile
Discussion:
Status: Rejected

1512 Clarification about returning authentication data for a UMTS subscriber
Type: CR 29.002 756 Rel-5
Source: China Mobile
Discussion:
Status: Revised to N4-041531

1531 Clarification about returning authentication data for a UMTS subscriber
Type: CR 29.002 756r1 Rel-5
Source: China Mobile
Discussion:
Status: Rejected

1513 Clarification about returning authentication data for a UMTS subscriber
Type: CR 29.002 757 Rel-6
Source: China Mobile
Discussion:
Status: Revised to N4-041532

1532 Clarification about returning authentication data for a UMTS subscriber
Type: CR 29.002 757r1 Rel-6
Source: China Mobile
Discussion:
Status: Revised to N4-041683

1683 Clarification about returning authentication data for a UMTS subscriber
Type: CR 29.002 757r2 Rel-6
Source: China Mobile
Discussion:
Status: Email approval. Agreed after email approval.

9 GSM maintenance (Release 98 and earlier)

9.1 LCS

1347 Timer Value for LCS MO-LR Supplementary Service Operation
Type: DISC
Source: QUALCOMM Europe
Discussion:

T-Mobile is worried that proposed 300 sec. is too much for LCS.
Qualcomm: Time value and timer value expire will be fixed with proposed solution.

Companies shall indicate the first release where they can accept the proposed changes during email approval procedure if objection is raised.

Status: **Noted**

1348 Correction of setting for timer T(LCSL)
Type: **CR 04.80 A020 R98**
Source: **QUALCOMM Europe**
Discussion:

Lucent: There is also an alternative solution for this, but Lucent didn't have time to provide alternative solution in this meeting. The timer should be switch off when UE starts to do GPS positioning.

Status: **Email approval. Rejected after email approval**

1349 Correction of setting for timer T(LCSL)
Type: **CR 24.080 035 R99**
Source: **QUALCOMM Europe**
Discussion:
Status: **Email approval. Rejected after email approval**

1350 Correction of setting for timer T(LCSL)
Type: **CR 24.080 036 Rel-4**
Source: **QUALCOMM Europe**
Discussion:
Status: **Email approval. Rejected after email approval**

1351 Correction of setting for timer T(LCSL)
Type: **CR 24.080 037 Rel-5**
Source: **QUALCOMM Europe**
Discussion:
Status: **Email approval. Rejected after email approval**

1352 Correction of setting for timer T(LCSL)
Type: **CR 24.080 038 Rel-6**
Source: **QUALCOMM Europe**
Discussion:
Status: **Email approval. Agreed after email approval**

1353 Correction of missing description for T(LCSN) and T(LCSL)
Type: **CR 04.30 A004 R98**
Source: **QUALCOMM Europe**
Discussion:

Ericsson believe this CR is not needed because this is not serious and frequent misoperations. CR cause problem for mobiles which are already produced.
Companies shall indicate the first release where they can accept the proposed changes during email approval procedure if objection is raised.

Status: **Revised to N4-041678**

1678 Correction of missing description for T(LCSN) and T(LCSL)
Type: **CR 04.30 A004r1 R98**
Source: **QUALCOMM Europe**
Discussion:
Status: **Email approval. Rejected after email approval**

1354 Correction of missing description for T(LCSN) and T(LCSL)
Type: CR 24.030 017 R99
Source: QUALCOMM Europe
Discussion:
Status: Revised to N4-041679

1679 Correction of missing description for T(LCSN) and T(LCSL)
Type: CR 24.030 017r1 R99
Source: QUALCOMM Europe
Discussion:
Status: Email approval. Rejected after email approval

1355 Correction of missing description for T(LCSN) and T(LCSL)
Type: CR 24.030 018 Rel-4
Source: QUALCOMM Europe
Discussion:
Status: Revised to N4-041680

1680 Correction of missing description for T(LCSN) and T(LCSL)
Type: CR 24.030 018r1 Rel-4
Source: QUALCOMM Europe
Discussion:
Status: Email approval. Rejected after email approval

1356 Correction of missing description for T(LCSN) and T(LCSL)
Type: CR 24.030 019 Rel-5
Source: QUALCOMM Europe
Discussion:
Status: Revised to N4-041681

1681 Correction of missing description for T(LCSN) and T(LCSL)
Type: CR 24.030 019r1 Rel-5
Source: QUALCOMM Europe
Discussion:
Status: Email approval. Rejected after email approval

1357 CR 24.030 020 Rel-6; Correction of missing description for T(LCSN) and T(LCSL)
Type: CR
Source: QUALCOMM Europe
Discussion:
Status: Revised to N4-041682

1682 CR 24.030 020r1 Rel-6; Correction of missing description for T(LCSN) and T(LCSL)
Type: CR
Source: QUALCOMM Europe
Discussion:
Status: Email approval. Agreed after email approval

10 AOB

Deadline for email approvals will be:

For documents: Have to be available 22nd November 2004 18:00 CET.
For Approval: Objection have to be raised before 26th November 2004 18:00 CET.

11 Update of Workplan

1239 Work Plan
Type: xx,
Source: MCC
Discussion: Reviewed during meeting
Status: Noted

12 Future meetings

1240 Future Meetings
Type: INFO
Source: MCC
Discussion:
Status: Noted

13 Check of approved output documents

1237 List of approved output documents
Type: DISC
Source: CN4 chairman
Discussion:
Status: Noted

14 Closing of the meeting (17:16 Friday)

ANNEX A: OUTPUT MATERIAL

A.1 Liaisons Approved

Tdoc	Tdoc Title	LS to	LS cc	LS Attachment
1564	Output LS S.CSCF client address cmparisin and their effect on de-registration	CN1		N4-041339
1573	Output LS, LS on parameter storage for I-WLAN	SA2		N4-041572
1589	Output LS; LS on reusing authentication on cenario 2 for cenario 3	SA2, SA3	CN1	
1590	Output LS, LS clarification of IMSI for interception at the PDG	SA3, SA3-LI		
1602	Output LS, LS on assign AVPs for Gmb	CN3		
1605	Output LS on ; Introduction of Early IMS security mechanisms	SA3		N4-041643
1617	OutputLS LS on IMS registration state stored at the HSS	SA2		
1620	Output LS Response LS on GUP WI Update	SA1	SA2, CN	N4-041607
1623	Output LS; LS TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2	SA4		N4-041301
1644	Output LS 3GPP diameter allocations for Gx interface	CN3		
1652	Output LS LS on Clarifications for AMR	SA4		N4-041651

1687	Reservation of two new sub-domains under ".3gppnetwork.org"	GSMA IREG PACKET	3GPP TSG-CN WG 1, 3GPP TSG-CN	N4-041407, N4-041613
1690	Output LS response to LS on MBMS Information Elements over Iu interface	RAN3	SA2, SA4, CN1, CN3, RAN2, GERAN2	
1691	Output LS Response to LS to 3GPP on Evaluation of the alternatives for SMS fraud countermeasures	SA3, GSM-A IREG	T2, GSM-A SG	N4-041641
1698	Output LS; LS on Impact of Shared Public User Identities on the Sh Interface	SA2; SA5		
1699	Output LS Open issue on trace	SA5		

A.2 New TSs /TRs Approved (to be placed under change control)

Tdoc # N4-04	Title	Source	Notes
1689	Draft TR23.941 2.0.0	T-Mobile	TS 23.241 has been changed as TR 23.941

A.3 Approved updated WIDs send to plenary

TDoc # N4-04	Title	Source	Result
1539	WID; Trace Management, stage 3, network, update	Nokia	Approved
1546	WID; CAMEL Trunk Originated Trigger Detection Points	Nortel Networks	Approved
1621	Updated WID on GUP	Lucent	Approved

A.4 Endorsed WIDs

TDoc # N4-04	Title	Source	Result
1498	WID;Emergency Call Enhancements for IP& PS Based Calls - stage 3	Siemens	Endorsed
1540	WID Trace Management, stage 3, IMS	Ericsson	Endorsed

A.5 Approved CRs

TDoc # N4-04	Title	Source	Result
1247	CR 23.008 136 Rel-6; Optimization of User Profile Download	Siemens	Approved
1248	CR 23.008 137 Rel-6; Subscribed Media Profile Identifier	Siemens	Approved
1272	CR 29.002 747 Rel-6; Incorrect Implementation of CR 731	Siemens	Approved
1301	CR 23.153 075 Rel-4; TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2	Ericsson, Lucent, Siemens	Approved
1302	CR 23.153 076 Rel-5; TFO/TrFO compatibility of UMTS_AMR and UMTS_AMR2	Ericsson, Lucent, Siemens	Approved
1309	CR 29.232 077 Rel-4; Correction of distant codec list	Siemens	Approved
1310	CR 29.232 078 Rel-5; Correction of distant codec list	Siemens	Approved
1316	CR 29.109 001 Rel-6; Authorization Flag Code Annex	Nokia, Siemens	Approved
1317	CR 29.109 002 Rel-6; Finalization of GAA Service Identifier	Nokia	Approved
1320	CR 29.109 005 Rel-6; Structure to GAA Service Indentifier	Nokia, Siemens	Approved
1324	CR 23.008 140 Rel-6; Correction to authorization flag definition	Nokia	Approved
1333	CR 29.232 079 Rel-5; IP transport package Duplicate property ID in ASN.1 encoding	Nokia	Approved
1337	CR 29.230 006 Rel-6; Inclusion of missing Cx AVPs	Vodafone	Approved
1341	CR 29.228 149 Rel-5; Regular Expressions	Nokia	Approved
1342	CR 29.228 150 Rel-6; Regular Expressions	Nokia	Approved
1343	CR 29.229 069 Rel-5; Cx ABNF corrections	Nokia	Approved
1344	CR 29.229 070 Rel-6; Cx ABNF corrections	Nokia	Approved
1345	CR 29.329 052 Rel-5; Sh ABNF corrections	Nokia	Approved
1346	CR 29.329 053 Rel-6; Sh ABNF corrections	Nokia	Approved
1352	CR 24.080 038 Rel-6; Correction of setting for timer T(LCSL)	QUALCOMM Europe	Approval
1361	CR 23.008 135 Rel-6; Inclusion of selected CN operator ID parameter	TeliaSonera	Approved
1362	CR 29.234 002 Rel-6; WLAN User Profile update	Ericsson	Approved
1363	CR 29.234 003 Rel-6; Charging related data from 3GPP AAA Server to PDG	Ericsson	Approved
1366	CR 29.234 006 Rel-6; Removal of ìScenarioî wording	Ericsson, Nokia	Approved
1367	CR 29.234 007 Rel-6; Editorial correction on Auth-Req-Type AVP	Ericsson, Nokia	Approved
1369	CR 29.234 009 Rel-6; Rejection of Multiple WLAN connections	Ericsson, Nokia	Approved
1371	CR 29.234 010 Rel-6; Application-Ids on Wa, Wd, Wm and Wg	Ericsson	Apporved

1401	CR 23.153 081 Rel-5; Correction of the inter-MSC handover during TrFO	Siemens	Approved
1414	CR 29.234 026 Rel-6; Addition of calling station id in DEA. Deletion of the same from DER.	Samsung	Approved
1420	CR 23.078 752 Rel-6; Correction to Change of Position handling in gsmSSF	Ericsson	Approved.
1422	CR 29.078 390 Rel-6; Correction of wrong TS numbers in references	Ericsson	Approved.
1423	CR 23.078 754 Rel-5; Clarification on Outstanding Request Counter (ORC) handling at EDP-R or TDP-R resumption	Ericsson, Alcatel	Approved
1434	CR 29.232 082 REL5; Emdedded events	Ericsson, Vodafone	Approved
1436	CR 29.232 084 REL5; Multiple streams	Ericsson, Vodafone	Approved
1444	CR 29.232 092 REL6; H.248.1 Version 2	Ericsson, Vodafone	Approved
1452	CR 29.060 524 Rel-6; GTP-C tunnel for MBMS broadcast	Ericsson	Approved
1458	CR 29.228 - Rel-6; ; Correction to XML Root Element	Nortel Networks	Approved
1464	CR 29.328 - Rel-6; Default Handling of Error Cases	Nortel Networks	Approved
1465	CR 29.328 - Rel-6; Access Key for Charging Information	Nortel Networks	Approved
1477	CR 29.002 - Rel-6; Correction to the service response parameters of ATI	Nokia	Approved
1481	CR 29.234 029 Rel-6; Handling of Information Element marked as (M), (C) or (O)	FT	Approved
1500	CR 29.109 009 Rel-6; Introduction of NAF groups	Siemens	Approved
1518	CR 23.153 077 Rel-4; Detailed description of the handling of codec negotiation parameters	Siemens	Approved
1519	CR 23.153 078 Rel-5; Detailed description of the handling of codec negotiation parameters	Siemens	Approved
1527	CR 29.234 004r1 Rel-6; 3GPP WLAN IP Access parameter rename	Ericsson	Approved
1545	CR 29.232 081 REL5; Q.1950 reference	Ericsson, Vodafone	Approved
1547	CR 29.230 011 Gq interface allocations	Nokia	Approved
1549	CR 29.228 146 Rel-6; Clarification of R6 authentication scheme	Vodafone	Approved
1550	CR 29.228 - Rel-6; Modification of User-Data-Already-Available in SAR command.	Nortel Networks	Approved
1559	CR 29.328 102r2 Rel-6; Only One Error Required for the AS Permissions Table Checking Procedure	Lucent	Approved
1560	CR 29.328 -110 Rel-5; Access Key for Charging Information	Nortel Networks	Approved
1561	CR 29.228 137 Rel-5; HSS initiated deregistration with "not registered" registration state	Orange	approved
1562	CR 29.228 138 Rel-6; HSS initiated deregistration with "not registered" registration state	Orange	Approved
1563	CR 29.228 140 Rel-6; HSS initiated deregistration with user profile removal for permanent termination	Orange	Approved
1565	CR 29.228 160 Rel-5; Handling of Information Element marked as (M), (C) or (O)	FT	Approved
1566	CR 29.228 159 Rel-6; Handling of Information Element marked as (M), (C) or (O)	FT	Approved
1567	CR 29.328 109 Rel-5; Handling of Information Element marked as (M), (C) or (O)	FT	Approved

1568	CR 29.328 108 Rel-6; Handling of Information Element marked as (M), (C) or (O)	FT	Approved
1572	CR 23.008 017 Rel-6; Data Handling in WLAN-IW	Ericsson, Nokia	Approved
1575	CR 23.003 093 Rel-6; Definition of Alternative NAI	Telecom Italia	
1577	CR 29.234 005 Rel-6; Static Remote IP address	Ericsson, Nokia	Approved
1578	CR 29.234 008 Rel-6; Online charging failure report	Ericsson, Nokia	Approved
1580	CR 29.230 - Rel-6; Addition of Gmb interface	Nortel Networks	Approved
1585	CR 29.234 015 Rel-6; Wa, Wd, Wm and Wg ABNF	Ericsson, Nokia	Approved
1586	CR 29.234 016 Rel-6; Scenario 3 access independence	Ericsson, Nokia	Approved
1591	CR 29.234 019 Rel-6; Editorial Modifications	Nokia	Apporved
1592	CR 29.234 021 Rel-6; Reauthentication clarification on the Wa interface	Nokia	Approved
1593	CR 29.234 023 Rel-6; To replace "Permanent User ID" by "User Id"	Samsung	Approved
1596	CR 29.234 028 Rel-6; Editorial corrections	Samsung	Approved
1603	CR 29.230 - Rel-6; Addition of Gx interface	Nokia	Approved
1609	CR 29.109 003 Rel-6; BSF control information (bsfInfo) tag to GUSS	Nokia, Siemens	Approved
1610	CR 29.109 006 Rel-6; Finalisation of terminology	Nokia, Siemens	Approved
1611	CR 29.328 101 Rel-6; Sh-Pull Data Download	Lucent Technologies	Approved
1612	CR 23.008 138 Rel-6; Domain independent GAA	Nokia	Approved
1613	CR 23.003 011 Rel-6; BSF address	Ericsson	Approved
1614	CR 29.109 008 Rel-6; Command codes 310 and 311 for Zh and Zh message	Nokia	Approved
1615	CR 29.230 007 Rel-6; Reservation of command codes 310 and 311.	Nokia	Approved
1616	CR 23.008 141 Rel 6; ; Introduction of NAF groups	Nokia	Approved
1622	CR 23.153 074 Rel-6; 3GUP properties correction	Alcatel	Approved
1631	CR 23.078 749 Rel-6 Rev 1; Correcting SDL of Process CS_gsmSSF (sheet 62)	HUAWEI	Approved.
1632	CR 23.078 752 Rel-6 Revi1; Warning Tone	Siemens	Approved.
1633	CR 23.078 753 Rel-6; Correction in Sheet 18 of Process CSA_gsmSSF	Ericsson	Approved.
1635	CR 23.078 748 Rel-6 REV5; Clarification on Outstanding Request Counter (ORC) handling at EDP-R or TDP-R resumption	Ericsson, Alcatel	Approved.
1641	CR 29.002 740 Rel-6; SMS Fraud countermeasures	Siemens	Approved
1647	CR 29.228 141 Rel-5; HSS initiated deregistration using the network initiated de-registration procedure	Orange, FT, Lucent	Approved
1648	CR 29.228 142 Rel-6; HSS initiated deregistration using the network initiated de-registration procedure	Orange	Approved
1654	CR 29.230 10 Rel-6; Documenting reuse of 3GPP specific application for Re on the charging interfaces	Lucent	Approved

1657	CR 29.060 514 Rel-6; Addition of IEs to MBMS Session Start Request message	NTT DoCoMo	Approved
1658	CR 29.060 515 Rel-6; Introduction of MBMS support indication between SGSNs	NTT DoCoMo	Approved
1659	CR 29.060 519 Rel-5; Additional support of IPv4 and IPv6 node addresses in create PDP context procedure.	HUAWEI	Approved
1660	CR 29.060 520 Rel-6; Additional support of IPv4 and IPv6 node addresses in create PDP and MBMS context procedures	HUAWEI	Approved
1662	CR 29.002 746 Rel-6; Introducing VGCS/VBS ciphering	Siemens	Approved
1664	CR 24.080 040 Rel-4; Sequence numbering for SS via PS	Siemens AG, Infineon	Approved
1665	CR 24.080 041 Rel-5; Sequence numbering for SS via PS	Siemens AG, Infineon	Approved
1666	CR 24.080 042 Rel-6; Sequence numbering for SS via PS	Siemens AG, Infineon	Approved
1667	CR 23.003 rel5 Clarification of NRI position within (P)-TMSI	Nokia, Ericsson, Siemens	Approved
1668	CR 23.003 rel6 Clarification of NRI position within (P)-TMSI	Nokia, Ericsson, Siemens	Approved
1669	CR 29.232 080 REL5; H.248 Scope	Ericsson, Vodafone	Approved
1670	CR 29.232 085 REL5; Overspec/underspec parameters	Ericsson, Vodafone	Approved
1674	CR 29.232 088 REL5; Procedures and Commands ñ removal of unwanted commands	Ericsson, Vodafone	Approved
1677	CR 29.060 513 Rel-6; Clarification on the usage of the Alternative GGSN Address	Lucent Technologies	Approved
1682	CR 24.030 020 Rel-6; Correction of missing description for T(LCSN) and T(LCSL)	QUALCOMM Europe	Approved
1683	CR 29.002 757 Rel-6; Clarification about returning authentication data for a UMTS subscriber	China Mobile	Approved
1684	CR 29.002 748 Rel-6; LCS Capability Handling for UEís	Lucent Technologies	Approved
1685	CR 29.002 753 Rel-6; Enable NA-ESRD Provision from a GMLC for E911 Location in North America	Siemens, Lucent, Cingular Wireless	Approval
1693	CR 23.003 092 Rel-6; 'otherrealm' format of Decorated NAI	Orange	Approved
1694	CR 29.234 001 Rel-6; PLMN advertising and selection	Telecom Italia	Email approval
1695	CR 29.234 012 Rel-6; Wd Interface RADIUS profile clarifications	TeliaSonera	Email approval
1696	CR 29.234 014 Rel-6; Wd RADIUS profile	TeliaSonera	Email approval
1697	CR 29.234 025 Rel-6; To make VPLMN-Id Conditional in Wd interface	Samsung	Approved
1700	CR 29.328 097 Rel-6; Removal of Notification of the Authentication Pending State upon Registration	Lucent Technologies	Approved
1701	CR 23.153 079 Rel-4; Addition of missing condition for transcoder free operation in the MGW	Siemens	Approved
1702	CR 23.153 080 Rel-5; Addition of missing condition for transcoder free operation in the MGW	Siemens	Approved

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