



## **Third Generation Partnership Project**

**Draft MEETING REPORT v0.0.0**

**3GPP TSG-CN4#26**

Sydney, AUSTRALIA.  
14<sup>th</sup> - 18<sup>th</sup> February, 2005

**Hosted by:**

**NEC, Fujitsu, Vodafone Group**

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# 1 Agenda

Mr. Noriyuki Iwasawa of NEC (CN4 chairman) welcomed the delegates to Sydney on behalf of the hosts. The meeting was chaired by Mr. Peter Schmitt, (Chair, Siemens). Additional support was provided by Mr. Kimmo Kymäläinen (CN4 Secretary, MCC).

Two parallel sessions were agreed.

Mr. Peter Wild (CN4 Vice Chairman) take the chair during MBMS session on Tuesday.

Mr. Toshiyuki Tamura (CN4 Vice Chairman) take the chair during Camel, LCS and MAP sessions on Wednesday.

## 0001 Preliminary agenda for CN4 #26

**Type:** Agenda  
**Source:** CN4 chairman  
**Discussion:**  
**Status:** [Revised to N4-050002](#)

## 0002 Detailed agenda & time plan for CN4 #26: status at document deadline

**Type:** Agenda  
**Source:** CN4 chairman  
**Discussion:**  
**Status:** [Revised to N4-050003](#)

## 0003 Detailed agenda & time plan for CN4 #26: 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  
[\(http://webapp.etsi.org/Ipr/\)](http://webapp.etsi.org/Ipr/)

## 2 Allocation of documents to agenda item

### 0004 Proposed allocation of documents to agenda items for CN4 #26: status at document deadline

**Type:** Information  
**Source:** CN4 chairman

**Discussion:**  
**Status:** [Revised to N4-050005](#)

**0005 Proposed allocation of documents to agenda items for CN4 #26 status on eve of meeting**

**Type:** Information  
**Source:** CN4 chairman  
**Discussion:**  
**Status:** [Agreed](#)

### **3 Meeting Reports**

**0006 Summary report from CN #26 & SA #26, Athens, Greece**

**Type:** Report  
**Source:** CN4 chairman  
**Discussion:**

All outstanding Rel 6 items should be completed by March. For any not completed, "Release 6 submission form" must be filled in to justify continued inclusion in Release 6. A template is given in SP-040932 which is also attached to this document.

**Status:**

**0273 Report; CN4#25 meeting report Seoul, KOREA**

**Type:** Report  
**Source:** MCC  
**Discussion:**  
**Status:** [Approved](#)

### **4 Input liaison statements**

**0011 LS IN Rel-6; Reply LS on Security aspects of early IMS systems**

**Type:** LS IN  
**Source:** CN1  
**Discussion:** Lucent will draft the changes if needed after detailed discussion on the future.  
**Status:** [Noted](#)

**0016 LS IN; LS on completion of network initiated SCUDIF support**

**Type:** LS IN  
**Source:** CN3  
**Discussion:** No action to CN4. CN4 is waiting information from RAN3.  
**Status:** [Noted](#)

**0017 LS IN; LS on Cooperation on TISPAN NGN supplementary services**

**Type:** LS IN  
**Source:** CN3  
**Discussion:** CN4 specifications might be impacted related to SS.  
**Status:** [Noted](#)

**0022 LS IN; LS on Security Aspects of Early IMS Systems**

**Type:** LS IN

**Source:** SA2  
**Discussion:**  
**Status:** **Noted**

**0028 LS IN; LS on impacts of early IMS security mechanisms**

**Type:** LS IN  
**Source:** SA3  
**Discussion:**  
**Status:** **Noted**

**0023 LS IN; LS on CRs needed for Circuit Switched Voice-Video Switching**

**Type:** LS IN  
**Source:** SA2  
**Discussion:**

**Ericsson** believes companies have to contribute before any reply LS to SA2 can be drafted. The contributions should be clear enough to solve possible problem. The current informative TR 29.903 doesn't give enough information what CN4 should do.

**Status:** **Noted**

**0026 LS IN; Reply LS on Revisiting forwards compatibility towards TLS based access security**

**Type:** LS IN  
**Source:** SA2  
**Discussion:**  
**Status:** **Noted**

**0034 LS IN; Reply to TISPAN on Workshop on "IMS over Fixed Access"**

**Type:** LS IN  
**Source:** SA  
**Discussion:**  
**Status:** **Noted**

**0256 LS IN; About the Workshop on "IMS over Fixed Access" (30-31 March 2005)**

**Type:** LS IN  
**Source:** TISPAN  
**Discussion:**  
**Status:** **Noted**

**0257 LS IN; Response LS on the PS Handover work**

**Type:** LS IN  
**Source:** GERAN2  
**Discussion:**  
**Status:** **Noted**

**0260 LS IN Rel-6; Reply LS on the PS Handover work**

**Type:** LS IN  
**Source:** RAN2  
**Discussion:**

**Status:** [Noted](#)

**0261 LS IN; Response LS on the PS Handover Work**

**Type:** LS IN

**Source:** RAN3

**Discussion:**

**Status:** [Noted](#)

**0262 LS IN; Misalignment between VGCS stage 1 and stage2**

**Type:** LS IN

**Source:** SA1

**Discussion:**

**Status:** [Noted](#)

**0264 LS IN; Response LS on the PS Handover Work**

**Type:** LS IN

**Source:** GERAN2

**Discussion:**

**Status:** [Noted](#)

**0290 LS IN; LS on 23.060 on RIM-NACC clean up**

**Type:** LS IN

**Source:** SA2

**Discussion:**

**Status:** [Noted](#)

**0291 LS IN; LS on transport of HSS address**

**Type:** LS IN

**Source:** SA2

**Discussion:**

**Status:** [Noted](#)

**0292 LS IN; Reply LS on Workshop on IMS over fixed Access (30-31 March)**

**Type:** LS IN

**Source:** SA2

**Discussion:**

**Status:** [Noted](#)

**0293 LS IN; LS on Reporting Velocity**

**Type:** LS IN

**Source:** SA2

**Discussion:**

**Status:** [Noted](#)

**0328 LS on completion of network initiated SCUDIF support**

**Type:** LS IN

**Source:** RAN3

**Discussion:**

CN4 will wait the result of discussion between RAN3 and CN3 if there is effect on CN4 specification.

**Status:** **Noted**

## 5 Work item management

**0065 Trace Management, stage 3, network, update**

**Type:** **WID**

**Source:** **Nokia**

**Discussion:**

**Status:** **Withdrawn**

**0348 Improvements of VGCS in public networks for parallel use of services**

**Type:** **WID**

**Source:** **T-Mobile**

**Discussion:** Rel-7 WID update

**Status:** **Endorsed**

**0448 Trace Management, stage 3, IMS, update**

**Type:** **WID**

**Source:** **Nokia**

**Discussion:** Rel-7 WID update

**Status:** **Endorsed**

## 6 Release 7

### 6.1 Supplementary services

**0035 Clarification on mapping of eMLPP priorities**

**Type:** **CR 23.067-012**

**Source:** **NEC**

**Discussion:** **Lucent** sees this is a functional modification of feature and a category should be changed.

**NEC:** It is not clear how to map eMLPP priority to the priority related information elements in RANAP. Since TS 23.107 specifies overall QoS concept for UMTS bearer services, it is necessary that the overall QoS concept described in TS 23.107 needs to be taken into account for parameter mapping in TS 23.067.

**NEC:** There are no dependencies between 23.067 and 23.107 CRs.

**Vodafone:** In section 11.3.1.4 the sentence "Values for radio access bearer service attributes defined in TS 23.107 [XX] shall be taken into account for mapping from eMLPP priority into priority related information element in RANAP" should be change because this is not mandatory for operators. Meeting agreed to change "shall" as "should".

**Vodafone:** The change can be accepted already in Rel-6 category F because there is no dependence on TS 23.107.

**Lucent** proposed to add text that the mapping is operator dependent.



This proposal was not supported in the meeting.

Status: [Revised to N4-050298](#)

**0298 Clarification on mapping of eMLPP priorities**

Type: CR 23.067-012

Source: NEC

Discussion: CR is for Rel-6 category F

Status: [Agreed](#)

## **6.2 CAMEL**

**0188 INFO; CAMEL Procedures for Trunk Originated Services**

Type: DISC,

Source: Nortel

Discussion:

Status: [Noted](#)

**0189 CAMEL Procedures for Trunk Originated Services**

Type: CR 23.078-758

Source: Nortel

Discussion:

Status: [Postponed to CT4#27](#)

**0190 Additions to CAP for Trunk Originated Services**

Type: CR 29.078-381

Source: Nortel

Discussion:

Status: [Postponed to CT4#27](#)

**0243 Addition of Collected InfoDP to Offered CAMEL4 Functionalities**

Type: CR 29.002-762

Source: Nortel

Discussion:

Status: [Postponed to CT4#27](#)

## **7 Release 6**

### **7.1 WLAN**

**0008 LS to 3GPP on IPv4/v6 IMS roaming and interworking**

Type: LS IN

Source: GSMA/IREG Packet

Discussion:

Status: [Noted](#)

**0010 LS on to 3GPP on Reservation of two new sub domains under ".3gppnetwork.org" from GSMA IREG (NP-040597)**

Type: LS IN

Source: CN

Discussion:

Status: [Noted](#)

**0009 Reply LS to LS on "Reservation of two new sub domains under '.3gppnetwork.org'" from 3GPP TSG CN (NP-040622)**

Type: LS IN

Source: GSMA/IREG

Discussion:

Status: [Noted](#)

**0265 CR on WLAN Alternative NAI**

Type: CR 23.003-93r2

Source: RIM

Discussion:

Status: [Revised to N4-050339](#)

**0339 CR on WLAN Alternative NAI**

Type: CR 23.003-93r3

Source: RIM

Discussion:

Status: [Revised to N4-050339](#)

**0027 LS on Control of simultaneous accesses for WLAN 3GPP IP access**

Type: LS IN

Source: SA3

Discussion:

Status: [Noted](#)

**0029 Reply to LS on The relationship between Scenario 2 and Scenario 3 authentication procedures**

Type: LS IN

Source: SA3

Discussion:

Status: [Noted](#)

**0030 Reply to LS on Need for the IMSI at the PDG**

Type: LS IN

Source: SA3

Discussion:

Status: [Noted](#)

**0263 Reply to LS on Need for the IMSI at the PDG**

Type: LS IN

Source: SA3 LI

Discussion: Reply LS to SA3 N4-050344.

Status: [Noted](#)

**0344 Reply to LS on Need for the IMSI at the PDG**

Type: LS OUT

Source: Nokia

Discussion:

**Status:** [Approved](#)

**0289 LS on control of simultaneous accesses for WLAN 3GPP IP access**

**Type:** LS IN

**Source:** SA2

**Discussion:** Clear guidance is needed from SA2 and SA3 if CN4 specifications are effected.

**Status:** [Noted](#)

**0122 Removal of material duplicating 23.234 in 29.234**

**Type:** CR 29.234-30

**Source:** Lucent Technologies

**Discussion:**

**Status:** [Revised to N4-050345](#)

**0345 Removal of material duplicating 23.234 in 29.234**

**Type:** CR 29.234-30r1

**Source:** Lucent Technologies

**Discussion:**

**Status:** [Agreed](#)

**0123 Removal of Wn reference point Definition from the Stage 3**

**Type:** CR 29.234-31

**Source:** Lucent Technologies

**Discussion:** Ericsson: The Wn-interface is not needed to be defined in stage 3. LS to SA2, that the following sentence should be added to SA2 specifications: " The specific method to implement this interface is subject to local agreement between the WLAN AN and the PLMN and it is out of the scope of 3GPP specifications."

**Status:** [Agreed](#)

**0346 LS on Removal of Wn reference point Definition from the Stage 3**

**Type:** LS OUT

**Source:** Lucent Technologies

**Discussion:**

**Status:** [Revised to N4-050449](#)

**0449 LS on Removal of Wn reference point Definition from the Stage 3**

**Type:** LS OUT

**Source:** Lucent Technologies

**Discussion:**

**Status:**

**0124 Wa Interface RADIUS profile corrections**

**Type:** CR 29.234-32

**Source:** TeliaSonera

**Discussion:**

**Status:** [Agreed](#)

**0125 Wd Interface RADIUS profile corrections**

**Type:** CR 29.234-33

**Source:** TeliaSonera  
**Discussion:**  
**Status:** [Agreed](#)

**0126 Removal of unnecessary attributes on Wa**

**Type:** CR 29.234-34  
**Source:** TeliaSonera  
**Discussion:**  
**Status:** [Revised to N4-050347](#)

**0347 Removal of unnecessary attributes on Wa**

**Type:** CR 29.234-34r1  
**Source:** TeliaSonera  
**Discussion:**  
**Status:** [Agreed](#)

**0127 Information Element corrections on Wd**

**Type:** CR 29.234-35  
**Source:** TeliaSonera  
**Discussion:**  
**Status:** [Agreed](#)

**0141 Limit on the number of sessions in WLAN 3GPP IP Access**

**Type:** CR 29.234-36  
**Source:** Ericsson  
**Discussion:** LS from SA3 is needed to handle the proposed change.  
**Status:** [Postponed to CT4#27](#)

**0142 Editorial corrections**

**Type:** CR 29.234-37  
**Source:** Ericsson  
**Discussion:** **Nokia:** In table 4.3.1.1 change is not needed.  
Category have to be F.  
**Lucent:** If FSS is removed, some explanation is needed.  
**Nokia** will provide some text to replace FFS on section 6.3.3.  
**Siemens:** User Profile Download paragraph is not needed.  
Meeting decided that section 6.3.3.1 will be marked as "Void".  
**Status:** [Revised to N4-050349](#)

**0349 Editorial corrections**

**Type:** CR 29.234-37r1  
**Source:** Ericsson  
**Discussion:** **Vodafone:** Clarification is needed on access network requirements from SA1.  
**Nokia:** If RFC 3576 is not mandated the operators can't support online charging in scenario 2.  
**Status:** [Agreed](#)

**0350 LS on Mandating functionality in WLAN Ans**

**Type:** LS OUT

**Source:** France Telecom  
**Discussion:** Should reflect that this is the result of CN4 analysis.  
**Status:** [Revised to N4-050450](#)

**0450 LS on Mandating functionality in WLAN Ans**

**Type:** LS OUT  
**Source:** France Telecom  
**Discussion:**  
**Status:** [Approved](#)

**0143 Description of the RADIUS session termination procedure**

**Type:** CR 29.234-38  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Revised to N4-050351](#)

**0351 Description of the RADIUS session termination procedure**

**Type:** CR 29.234-38r1  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Agreed](#)

**0144 WLAN Diameter AVP and result codes**

**Type:** CR 29.234-39  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Revised to N4-050352](#)

**0352 WLAN Diameter AVP and result codes**

**Type:** CR 29.234-39r1  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Agreed](#)

**0145 WLAN Diameter AVP and result codes**

**Type:** CR 29.230-40  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Revised to N4-040279](#)

**0279 WLAN Diameter AVP and result codes**

**Type:** CR 29.230-40r1  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Agreed](#)

**0146 WLAN Diameter AVP table and chapters coherence revision**

**Type:** CR 29.234-41  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Revised to N4-050353](#)

**0353 WLAN Diameter AVP table and chapters coherence revision**

**Type:** CR 29.234-41r1

**Source:** Ericsson

**Discussion:**

**Status:** [Agreed](#)

**0161 PDG behaviour on Wm interface**

**Type:** CR 29.234-42

**Source:** Nokia

**Discussion:**

**Status:** [Revised to N4-050303](#)

**0303 PDG behaviour on Wm interface**

**Type:** CR 29.234-42r1

**Source:** Nokia

**Discussion:** Category have to be F.  
Cover page have to be updated.

**Status:** [Revised to N4-050354](#)

**0354 PDG behaviour on Wm interface**

**Type:** CR 29.234-42r1

**Source:** Nokia

**Discussion:** Category have to be F.  
Cover page have to be updated.

**Status:** [Agreed](#)

**0166 Editorial corrections**

**Type:** CR 29.234-43

**Source:** HUAWEI

**Discussion:** Category have to be F.

**Status:** [Agreed](#)

**0167 Addition of functionality missing on Wa, Wm interfaces**

**Type:** CR 29.234-44

**Source:** HUAWEI

**Discussion:**

**Lucent** can't support CR before requirements are clarified in SA2.

**Huawei:** Section 4.3.4 can be removed before requirements are clarified.

**Vodafone:** The LS is not needed to SA2. The source company should drive requirements in SA2.

**Status:** [Revised to N4-050355](#)

**0355 Addition of functionality missing on Wa, Wm interfaces**

**Type:** CR 29.234-44r1

**Source:** HUAWEI

**Discussion:**

**Lucent** believes there's much better method to solve this problem. The SA2 requirements aren't clear enough. Lucent can't accept the CR.

**Lucent** propose to send LS to SA2 for re-checking the solution they have proposed.

**Huawei:** The SA2 CRs were approved in SA#25 and SA#26 plenary.

**NEC:** Some alignment is needed in stage 2. At the last SA2 meeting there were approved SA2 CRs which make stage 2 specification incomplete.

**Lucent:** CN4 should ask exception to this functionality to postponed it to CT#28 (June).

**Discussion** is needed on SA2 and email reflector.

**Huawei:** SA2 has done the work. There is no reason to sent LS to SA2.

**Meeting agreed** that CN4 will ask exception to this functionality to postponed it to CT#28 (June 2005).

**Status:** **Postponed to CT4#27**

#### **0200 Removal of SIP-Authentication-Context**

**Type:** **CR 29.234 45 Rel-6**

**Source:** **Nortel**

**Discussion:**

**Status:** **Withdrawn**

#### **0209 Adding Presence to WLAN**

**Type:** **CR 29.234-46**

**Source:** **Lucent Technologies**

**Discussion:**

**Lucent:** The document is presented for information to introduce Presence-interface on WLAN.

**Vodafone:** The CR should have been presented as a discussion paper. The form is confusion.

**Chairman:** CN4 will not finish Presence work on WLAN in this meeting. We have to ask exception from CN plenary to move the finishing date to June.

**Ericsson:** CN4 can't use this CR as a basis on future work. At first the discussion paper is needed and after agreement set of new CRs are needed.

**Vodafone:** CN4 have to wait until stage 2 is stabile.

**Status:** **Postponed**

#### **0356 Adding Presence to WLAN**

**Type:** **Discussion paper to plenary**

**Source:** **Lucent Technologies**

**Discussion:** Delay of N4-050355 have to be added on this document.

**Status:** **Revised to N4-050451**

#### **0451 Adding Presence to WLAN**

**Type:** **Discussion paper to plenary**

**Source:** **Lucent Technologies**

**Discussion:**

**Status:** **Revised to N4-050464**

#### **0464 Adding Presence to WLAN**

**Type:** **Discussion paper to plenary**

**Source:** **Lucent Technologies**

**Discussion:**

**Status:** **Approved**

**0251 Wa Interface RADIUS profile Information Element corrections**

Type: CR 29.234-47

Source: TeliaSonera

Discussion: Ericsson: Session ID should be conditional instead of mandatory.

Status: [Revised to N4-050357](#)

**0357 Wa Interface RADIUS profile Information Element corrections**

Type: CR 29.234-47r1

Source: TeliaSonera

Discussion:

Status: [Agreed](#)

**0312 Correlating Pr and Wx interface**

Type: CR 29.234-48

Source: Huawei

Discussion:

Status: [Withdrawn](#)

## **7.2 GUP**

**0031 LS on GUP Security and the Proposed Changes to TS 23.240**

Type: LS IN

Source: SA3

Discussion:

Status: [Noted](#)

**0066 Open issues in 29.240**

Type: INFO

Source: Nokia

Discussion:

Status: [Noted](#)

**0129 GUP security contribution**

Type: DISC

Source: Lucent Technologies

Discussion:

In this contribution, a proposal is presented to address the issue of security in GUP. The solution must be compatible with Liberty Alliance but at the same time be appropriate for GUP telecom-centric environment.

**Ericsson** proposed that IDP should be replaced by discovery-server because IDP is out of scope. Proposal was agreed by the meeting.

**Orange** requested if domain name is needed to reserve from GSMA.

Conclusion of the meeting was that domain name is not needed for GUP.

**Meeting agreed** that encryption shall not be limited to SSL/TLS

**Ericsson:** More suitable GUP security header example should be chosen which is more related to GUP functionality.

A document will be combined with N4-050378

Status: [Noted](#)

**0130 CN4 request to LAP to Obtain LAP Documents**



**Type:** DISC  
**Source:** Lucent Technologies  
**Discussion:**

**Lucent** would like the CN4 working group to officially ask Liberty Alliance for the latest documents related to schema management and data services.

**CN Chairman:** We can't have specification before documents have sent to Liberty Alliance internal review. CN4 should be as specific as possible when request Liberty Alliance documentation.

LS to Liberty Alliance **N4-050425**.

**Status:** [Noted](#)

**0425 LS on Access to Liberty Alliance data schemas**

**Type:** LS OUT  
**Source:** Lucent Technologies  
**Discussion:**  
**Status:** [Revised to N4-050452](#)

**0452 LS on Access to Liberty Alliance data schemas**

**Type:** LS OUT  
**Source:** Lucent Technologies  
**Discussion:**  
**Status:** [Agreed](#)

**130 LS on request to LAP to Obtain LAP Documents**

**Type:** LS OUT  
**Source:** Lucent Technologies, Ericsson  
**Discussion:**  
**Status:** [Noted](#)

**0131 GUP schema proposal**

**Type:** DISC  
**Source:** Lucent Technologies  
**Discussion:**

**Nokia** can't accept the proposed UML to Rel-6.

It was not clear for the meeting what is proposed to implement in specification.

Offline discussion is needed.

**Status:** [Noted](#)

**0171 GUP Security**

**Type:** DISC  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Revised to N4-050378](#)

**0378 GUP Security**

**Type:** DISC  
**Source:** Ericsson  
**Discussion:**

**Lucent:** There is lot of duplication between proposed document and Liberty Alliance documentation. We can reference Liberty Alliance documentation without duplication.

**Nokia** support Ericsson proposal. Nokia doesn't want to limit options too much like described in **Lucent** discussion paper **N4-050129**.

**Lucent** agreed this document can be used as basis, but the subsets of Lucent document have to be added to the revised version.

A document will be combined with N4-050129.

**Status:** **Noted**

#### **0424 GUP Security**

**Type:** **DISC**

**Source:** **Ericsson**

**Discussion:**

Editor's note is needed if the cipher suites to be used for peer-wise encryption can be mandate.

**Status:** **Revised to N4-050454**

#### **0454 GUP Security**

**Type:** **DISC**

**Source:** **Ericsson**

**Discussion:**

Editor's note is needed that the cipher suites to be used for peer-wise encryption can be mandate is still in FSS.

This have to be incorporated in the new version of TS 29.240.

**Status:** **Approved**

#### **0172 GUP Resource ID**

**Type:** **DISC Rel-6**

**Source:** **Ericsson**

**Discussion:**

**Lucent:** Because of interoperability problems an example should be a mandatory default list of identifiers which can be used. Might be a good idea to specify in TS 23.003 what is the GUP identify.

**Vodafone** proposed the whole section should go to TS 23.003 and on GUP specification we should only refer to TS 23.003.

**Meeting agreed** to add an editor's note in section 9.3.1 that section have to be added to TS 23.003 when specification is on published state.

**Status:** **Revised to N4-050426**

#### **0426 GUP Resource ID**

**Type:** **DISC Rel-6**

**Source:** **Ericsson**

**Discussion:** This have to be incorporated in the new version of TS 29.240.

**Status:** **Approved**

#### **0173 Editorial and References**

**Type:** **DISC**

**Source:** **Ericsson**

**Discussion:**

**Status:** [Revised to N4-050379](#)

#### **0379 Editorial and References**

**Type:** DISC

**Source:** Ericsson

**Discussion:**

**Vodafone** believes there are no need to add changes in the first paragraph at chapter 7 because behaviour is already described in stage 2. The section is duplication of specification.

**Meeting** agreed to remove the first paragraph.

**Lucent** recommend to remove guidelines on chapter 8.2 because this is direct copy from Liberty Alliance documentation. Specification should refer to Liberty Alliance Guidelines.

References have to be based on 3GPP drafting rules.

Section 9 GUP Bindings is limited to stage 3 part only.

**Status:** [Revised to N4-050370](#)

#### **0370 Editorial and References**

**Type:** DISC

**Source:** Ericsson

**Discussion:** **Vodafone:** The automatic numbering should be removed.

This have to be incorporated in the new version of TS 29.240.

**Status:** [Approved](#)

#### **0174 GUP Annex**

**Type:** DISC

**Source:** Ericsson

**Discussion:**

**Status:** [Revised to N4-050380](#)

#### **0380 GUP Annex**

**Type:** DISC

**Source:** Ericsson

**Discussion:** This have to be incorporated in the new version of TS 29.240.

**Status:** [Approved](#)

#### **0175 GUP HSS IMS Data**

**Type:** DISC

**Source:** Ericsson

**Discussion:**

**Status:** [Revised to N4-050381](#)

#### **0381 GUP HSS IMS Data**

**Type:** DISC

**Source:** Ericsson

**Discussion:**

**Nokia, Vodafone, Lucent:** Proposed changes can not be accepted because this changes normative text to informative in Annex.

Offline discussion is needed.

**Status:** [Noted](#)

**0176 GUP**

**Type:** DISC  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Revised to N4-050382](#)

**0382 GUP**

**Type:** DISC  
**Source:** Ericsson  
**Discussion:**  
**Lucent:** In the last meeting we had a long discussion to add this to specification. Lucent is not a favour to remove this from specification.  
**Lucent, Vodafone:** The Annex F was agreed as normative in CN4#25.  
**Status:** [Noted](#)

**0427 GUP TS 29.240 v1.0.0**

**Type:** 3GPP TS  
**Source:** Lucent  
**Discussion:** Meeting agreed that the new version of TS 29.240 is more than 80% ready. TS is sent to CN#27 for approval.  
**Status:** [Email approval](#)

**0428 Release 6 Submission form, Exception for GUP for Rel-6**

**Type:** 3GPP TS  
**Source:** Lucent  
**Discussion:** This will be present in CN#27 by the Chairman.  
**Status:** [Approved](#)

### **7.3 Subscriber data handling for the IMS**

#### **7.3.1 HSS – CSCF (Cx) & SLF – CSCF (Dx) interfaces**

**0133 HSS initiates deregistration**

**Type:** CR 29.228-164  
**Source:** Orange  
**Discussion:** Explicit deregistration is tried to cover with CR.  
**Nokia:** Private user identity in mandatory parameter which is always included.  
**Nokia, Nortel and Ericsson** believe this CR does not solve a problem.  
**Status:** [Revised to N4-040330](#)

**0330 HSS initiates deregistration**

**Type:** CR 29.228-164 r1 Rel-6  
**Source:** Orange  
**Discussion:**  
**Status:** [Postponed to CT4#27](#)

**0134 Discussion on reason codes for HSS initiates deregistration**

**Type:** DISC;  
**Source:** Orange

**Background:****Discussion:**

*It is proposed to agree on the following points in order to progress the work between CN1 and CN4 on this subject:*

- *agreement in CN1 that the handling of these four reason codes at the S-CSCF needs to be described in a specific section in TS 24.229.*
  - Nokia** and **Lucent** could see this specified only in CN4 specifications.
  - Ericsson** and **France** would like to see this specified in CN1 specification because CN4 doesn't have enough knowledge to specify this. All the behaviour is described in CN1 specification which means they have to take care of reason codes.
  - Meeting** agreed that CN4 will draft to CR and will send LS to CN1 to ask if proposed solution matches with CN1 specification.
- *agreement that CN1 needs to wait for CN4 decision for the handling of the Cx Registration Termination procedure in case multiple private user identities shared the same public user identity.*
- *analysis in CN1 and CN4 of the interest of the reason codes that are problematic for several private identities in the same subscription (New-Server Assigned, Server-change) i.e.:*
  - o *only one reason code instead of both (no distinction between both)?*  
**Nokia** and **Ericsson**: Both reason codes are needed
  - o *The command with this reason code is only used in the case where there isn't other Private id in the subscribe profile that are registered?*  
**Nokia** doesn't agree with this.
  - o *Or, all the Private user identity (and public user identity under the PrID) shall be moved with the consequence of terminating current sessions (in order to re-registered in an other S-CSCF) of already registered identities in the S-CSCF.*  
**Nokia** doesn't agree with this.

There was no agreement on proposed solution in CN4.

**Status:** **Noted**

**0154 TEL-URI reference update**

**Type:** **CR 29.229-78**

**Source:** **Nokia**

**Discussion:** Category have to be F.

**Status:** **Agreed**

**0177 Private identities on the Cx**

**Type:** **CR 29.228-169**

**Source:** **Nokia**

**Discussion:**

**Status:** **Revised to N4-040284**

**0284 Private identities on the Cx**

**Type:** **CR 29.228-169r1**

**Source:** **Nokia**

**Discussion:**

**Ericsson** doesn't see need for this feature because it's not improvement of specification.

**Nokia** believes this is useful when e.g. there are shared public identities when all the information can be stored a one place.

**Lucent** support CR.

**Nokia:** This AVP contains all private user identities, which belong to the same IMS subscription as the private user identity or public user identity received in the SAR command. If the IMS subscription contains only single private user identity, or the S-CSCF does not support the MReg feature, this AVP shall not be present.

Offline discussion is needed to get the result.

If something is needed to do **Ericsson** would like to see it to be done by subscriber certificates

**Status:** [Postponed to CT4#27](#)

#### 0178 Private identities on the Cx

**Type:** CR 29.229-80

**Source:** Nokia

**Discussion:**

**Status:** [Revised to N4-040285](#)

#### 0285 CR 29.229 80 Rel-6; Private identities on the Cx

**Type:** CR 29.229-80

**Source:** Nokia

**Discussion:**

**Status:** [Postponed to CT4#27](#)

#### 0195 Clarification of Behaviour of Shared Public User Identities

**Type:** CR 29.228-170 Rel-6

**Source:** Nortel

**Discussion:**

**Status:** [Revised to N4-040302](#)

#### 0302 Clarification of Behaviour of Shared Public User Identities

**Type:** CR 29.228-170r1 Rel-6

**Source:** Nortel

**Discussion:**

**France Telecom** agrees with proposed sentence in section 6.1.2.1 *"For Shared Public User Identities, the S-CSCF shall initiate this procedure towards the HSS for each Private User Identity undergoing a Registration or Deregistration related to the Shared Public User Identity."* **France Telecom** reminded that we have to remember in the future that there is also link IP address and private user Identity.

**France Telecom:** Is there a general agreement that only one status by User Identity is allowed.

**Nokia:** HSS have to keep track on private identities which are registered in Public User Identity.

**Status:** [Revised to N4-040329](#)

#### 0329 Clarification of Behaviour of Shared Public User Identities

**Type:** CR 29.228-170r2 Rel-6

**Source:** Nortel

**Discussion:**  
**Status:** [Revised to N4-040453](#)

**0453 Clarification of Behaviour of Shared Public User Identities**

**Type:** CR 29.228-170r3 Rel-6  
**Source:** Nortel, Ericsson, Nokia  
**Discussion:** Nokia believes this is a good basis for specification and should be accepted.  
Lucent needs more time to check CR back at home to check if current text is enough or the proposed text.  
France Telecom believes both CRs are needed to be approved: 453 and 330.  
Orange has no problem to accept this CR and provide correction on topic if needed.  
**Status:** [Revised to N4-040460](#)

**0460 Clarification of Behaviour of Shared Public User Identities**

**Type:** CR 29.228-170r4 Rel-6  
**Source:** Nortel, Ericsson, Nokia  
**Discussion:**  
**Status:** [Agreed after email approval procedure](#)

**0196 Denial of Service for UE Initiated Re-registration**

**Type:** CR 29.228-171  
**Source:** Nortel  
**Discussion:** Lucent doesn't believe this is HSS requirement and they can't agree with CR. This is more S-CSCF policy to handle this.  
**Status:** [Withdrawn](#)

**0197 Distribution of Cipher key and integrity Key**

**Type:** CR 29.228-172  
**Source:** Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0198 Removal of SIP-Authentication-Context**

**Type:** CR 29.229-83  
**Source:** Nortel  
**Discussion:**  
**Status:** [Withdrawn](#)

**0296 Add reference to implicitlyregistered public user identities set definition**

**Type:** CR 23.003-98  
**Source:** Orange  
**Discussion:** Nokia, Vodafone: Public User Identity set is not needed to specify in TS 23.003  
Orange withdrawn CR after discussion.  
**Status:** [Withdrawn](#)

**0297 Add reference to implicitlyregistered public user identities set definition**

**Type:** CR 23.008-143

**Source:** Orange  
**Discussion:** **Vodafone:** The changes might be good to introduce already in Rel-5.  
**Nokia** doesn't support a correction to Rel-5.  
Reference have to be checked; TS 23.228 or TS 29.228.  
**Status:** [Revised to N4-050338](#)

**0338 Add reference to implicitlyregistered public user identities set definition**  
**Type:** CR 23.008-143r1  
**Source:** Orange  
**Discussion:**  
**Status:** [Agreed](#)

### 7.3.2 HSS – SIP AS (Sh) interface

**0272 Response LS on Impact of Shared Public User Identities on the Sh Interface**  
**Type:** LS IN  
**Source:** SA5  
**Discussion:** Reply LS to SA5 N4-050313  
**Nokia:** We haven't made decision that charging function addresses are included in Private User ID.  
**Status:** [Noted](#)

**0313 Reply LS on Impact of Shared Public User Identities on the Sh Interface**  
**Type:** LS OUT  
**Source:** Ericsson  
**Discussion:**  
**Nokia:** SA5 answered that they do not care about choice.  
**Nokia** can't understand requirements for a single Charging Function node.  
**Nokia** can't accept to send this LS to SA5. This is a functionality which should be a part of requirements.  
**Status:** [Revised to N4-050468](#)

**0468 Reply LS on Impact of Shared Public User Identities on the Sh Interface**  
**Type:** LS OUT  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Revised to N4-050479](#)

**0479 Reply LS on Impact of Shared Public User Identities on the Sh Interface**  
**Type:** LS OUT  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Approved](#)

**0288 Reply LS on Impact of shared public User Identities on the Sh Interface**  
**Type:** LS IN  
**Source:** SA2  
**Discussion:**  
**Siemens:** We have based stage 3 specification stable stage 2 specification where is stated that something should be done. Stable requirements are needed.



CN4 will inform SA2 that stage 2 specifications need to be updated according decision CN4 has made.

Status: **Noted**

**0111 Clarification on requested identity set**

Type: **CR 29.328-111**

Source: **Siemens**

Discussion:

Status: **Revised to N4-050314**

**0314 Clarification on requested identity set**

Type: **CR 29.328-111r1**

Source: **Siemens**

Discussion: Release 5 CR is not needed.

Status: **Agreed**

**0207 Multiple Terminals in Sh**

Type: **CR 29.328-122**

Source: **Nokia**

Discussion: Offline discussion is needed to clarify the content of CR.

Status: **Revised to N4-050315**

**0315 Multiple Terminals in Sh**

Type: **CR 29.328-122r1**

Source: **Nokia**

Discussion:

Companies should check if LS is needed to inform to SA2 about the selection CN4 has done. If LS is needed it will be handled in CT4#27.

Status: **Revised to N4-050461**

**0461 Multiple Terminals in Sh**

Type: **CR 29.328-122r2**

Source: **Nokia**

Discussion:

Status: **Agreed**

**0208 Multiple Terminals in Sh**

Type: **CR 29.329-058**

Source: **Nokia**

Discussion: Offline discussion is needed to clarify the content of CR.  
This CR is related to result of N4-050315 discussion.

Status: **Withdrawn**

## **7.4 Diameter coordination**

**0013 LS on Assignment of the Diameter codes and identifiers for the Rel-6 Gx interface**

Type: **LS IN**

Source: **CN3**

Discussion:

Status: **Noted**

**0014 LS on Allocation of 3GPP specific AVP numbers and Experimental Result Codes for Gmb interface**

**Type:** LS IN

**Source:** CN3

**Discussion:**

**Status:** [Noted](#)

**0295 Allocations for Gmb**

**Type:** CR 29.230-045

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0294 LS on allocation of Diameter Command Codes and AVP codes**

**Type:** LS IN

**Source:** T2

**Discussion:** **Nokia:** The AVPs they want to specify should be checked.

**Ericsson:** Only command code is needed to request from IANA. There's still three codes free which can be used.

**LS**

**Status:** [Noted](#)

**0310 Reply LS on allocation of Diameter Command Codes and AVP codes**

**Type:** LS OUT

**Source:** Nortel

**Discussion:**

**Status:**

**0311 Allocation of Diameter Command Codes and AVP codes**

**Type:** CR 29.230-46

**Source:** Nortel

**Discussion:**

**Status:** [Agreed](#)

**0179 Private identities on the Cx**

**Type:** CR 29.230-41

**Source:** Nokia

**Discussion:**

**Status:** [Revised to N4-040286](#)

**0286 Private identities on the Cx**

**Type:** CR 29.230-41r1

**Source:** Nokia

**Discussion:**

**Status:** [Withdrawn](#)

**0199 Removal of SIP-Authentication-Context**

**Type:** CR 29.230-42

**Source:** Nortel

**Discussion:**  
**Status:** [Withdrawn](#)

**0372 LS on Allocation of 3GPP specific AVP numbers and Experimental Result Codes for Gx interface**

**Type:** LS IN  
**Source:** CN3  
**Discussion:**  
**Status:** [Noted](#)

**0204 Allocations for Gx interface**

**Type:** CR 29.230-43 Rel-6;  
**Source:** Nokia  
**Discussion:**  
**Status:** [Agreed](#)

**0383 Allocations for Gx interface**

**Type:** CR 29.230-43 Rel-6;  
**Source:** Nokia  
**Discussion:**  
**Status:** [Agreed](#)

## **7.5 Subscriber Certificates**

**0067 GAA Error Codes**

**Type:** CR 29.109-010  
**Source:** Nokia, Siemens, Huawei  
**Discussion:**  
**Status:** [Agreed](#)

**0094 Only one AV from HSS to BSF**

**Type:** CR 29.109-011  
**Source:** Nokia, Siemens  
**Discussion:**  
**Status:** [Agreed](#)

**0095 Clarification of LifeTime/ExpiryTime terminology**

**Type:** CR 29.109-012  
**Source:** Nokia, Siemens  
**Discussion:**  
**Status:** [Agreed](#)

**0096 Application identifiers to Z-interfaces**

**Type:** CR 29.109-013  
**Source:** Nokia, Siemens  
**Discussion:** Siemens: All TBDs should be filled with correct number.  
**Status:** [Revised to N4-050358](#)

**0358 Application identifiers to Z-interfaces**

**Type:** CR 29.109-013r1  
**Source:** Nokia, Siemens  
**Discussion:**  
**Status:** [Agreed](#)

**0266 Modification of key lifetime material**

**Type:** CR 29.109-14  
**Source:** Nokia  
**Discussion:** Lucent: Bootstrap Time should be renamed as BootstrapInfoCreationTime.  
**Status:** [Revised to N4-050359](#)

**0359 Modification of key lifetime material**

**Type:** CR 29.109-14r1  
**Source:** Nokia  
**Discussion:**  
**Status:** [Agreed](#)

## **7.6 Subscriber and Equipment Trace**

**0270 LS on Rel-7 WID for Trace Management**

**Type:** LS IN  
**Source:** SA5  
**Discussion:** CN1 have to clarify if management based trace activation is part of Rel-6 or Rel-7.  
**Status:** [Noted](#)

**0271 LS reply to CN4 on Open issues for Subscriber Trace**

**Type:** LS IN  
**Source:** SA5  
**Discussion:**  
**Status:** [Noted](#)

**0068 Addition of the Trace package**

**Type:** CR 23.205-045r6  
**Source:** Nokia  
**Discussion:**  
**Ericsson** believes deactivation notification is not necessary. There is no functional reason for this. This is protocol issue. All the deactivation parts should be removed from chapter 16.2.yy. The Activation and deactivation parameters should be separated in two different procedures.  
**Status:** [Revised to N4-050299](#)

**0299 Addition of the Trace package**

**Type:** CR 23.205-045r7  
**Source:** Nokia  
**Discussion:**  
**Status:** [Agreed](#)

**0069 Addition of the Trace package**

**Type:** CR 29.232-060r6  
**Source:** Nokia

**Discussion:**

**Ericsson:** Everything should be removed on sentence under section 15.2.1.2  
"Description: Notification to MSS of trace activation request."

**Status:** [Revised to N4-050304](#)

**0304 Addition of the Trace package**

**Type:** CR 29.232-060r7

**Source:** Nokia

**Discussion:** In detailed stage 3 we should have detailed specified

**Status:** [Agreed](#)

**0070 Additional Trace information**

**Type:** CR 29.060-470r6

**Source:** Nokia

**Discussion:** Ericsson: Category should be B.  
Clean up is needed.

**Status:** [Revised to N4-050305](#)

**0305 Additional Trace information**

**Type:** CR 29.060-470r7

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0071 Adding trace control and configuration parameters to subscriber data in HSS**

**Type:** CR 23.008-134r3

**Source:** Nokia

**Discussion:**

**Status:** [Revised to N4-050306](#)

**0306 Adding trace control and configuration parameters to subscriber data in HSS**

**Type:** CR 23.008-134r4

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0072 Rel-6 trace management additions to trace activation and deactivation procedures**

**Type:** CR 29.002-738r6

**Source:** Nokia

**Discussion:**

**Status:** [Revised to N4-050307](#)

**0307 Rel-6 trace management additions to trace activation and deactivation procedures**

**Type:** CR 29.002-738r7

**Source:** Nokia

**Discussion:**

**Status:** [Revised to N4-050463](#)

**0463 Rel-6 trace management additions to trace activation and deactivation procedures**

**Type:** CR 29.002-738r7

**Source:** Nokia  
**Discussion:**  
**Status:** [Agreed](#)

**0183 Management Based Trace Activation Signalling**

**Type:** CR 29.060-543  
**Source:** LM Ericsson  
**Discussion:**  
**Status:** [Revised to N4-050309](#)

**0309 Management Based Trace Activation Signalling**

**Type:** CR 29.060-543  
**Source:** LM Ericsson  
**Discussion:**  
**Status:** [Agreed](#)

**0210 Management Based Activation Impacts**

**Type:** CR 23.012-19r1  
**Source:** Ericsson  
**Discussion:** Consequences if not approved have to be added in cover sheet.  
**Status:** [Revised to N4-050308](#)

**0308 Management Based Activation Impacts**

**Type:** CR 23.012-19r1  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Agreed](#)

**0211 Management Based Activation Impacts**

**Type:** CR 23.018-144  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Agreed](#)

**0212 Management Based Activation Impacts**

**Type:** CR 29.002-749  
**Source:** Ericsson  
**Discussion:**  
**Status:** [Agreed](#)

## ***7.7 Mn interface protocol***

**0239 Formal Profile Of Mn Interface**

**Type:** CR 29.332-1  
**Source:** LM Ericsson  
**Discussion:** There is common agreement that profiling is needed to introduce.  
**Nokia** can't accept CR as it stands. More clarification is needed.  
**Ericsson** thinks something should be put in the specification otherwise we will miss the deadline of Rel-6.

**Meeting** agreed active email discussion is needed on topic to solve it before CN4#27.

**Meeting agreed** that only section 4 is added in Mn-specification in this point.

**Status:** [Revised to N4-050419](#)

**0419 Formal Profile Of Mn Interface**

**Type:** CR 29.332-1r1

**Source:** LM Ericsson

**Discussion:** Profile names have to be registered by IANA.

**Status:** [Agreed](#)

**0420 Form on open issues on Mn-interface**

**Type:** INFO

**Source:** LM Ericsson

**Discussion:**

**Status:** [Revised to N4-040469](#)

**0469 Form on open issues on Mn-interface**

**Type:** INFO

**Source:** LM Ericsson

**Discussion:**

**Status:** [Agreed](#)

**0240 Corrections to Mn Specification**

**Type:** CR 29.332-2

**Source:** LM Ericsson

**Discussion:**

**Status:** [Revised to N4-040276](#)

**0276 Corrections to Mn Specification**

**Type:** CR 29.332-2r1 Rel-6

**Source:** LM Ericsson

**Discussion:**

**Status:** [Revised to N4-040465](#)

**0465 Corrections to Mn Specification**

**Type:** CR 29.332-2r2 Rel-6

**Source:** LM Ericsson

**Discussion:**

**Status:** [Agreed after email approval procedure](#)

**0241 Inclusion of TISPAN Requirements in Mn profile**

**Type:** DISC

**Source:** LM Ericsson

**Discussion:**

**Status:** [Noted](#)

**0455 LS on Co-operation with TISPAN NGN for IMS-CS MGW protocol**

**Type:** LS OUT

**Source:** LM Ericsson

**Discussion:**  
**Status:** [Revised to N4-040466](#)

**0466 LS on Co-operation with TISPAN NGN for IMS-CS MGW protocol**  
**Type:** LS OUT  
**Source:** LM Ericsson  
**Discussion:**  
**Status:** [Approved](#)

## **7.8 GPRS**

**0399 Correction to Radio Priority LCS IE GGSNs**  
**Type:** CR 29.060-399  
**Source:** Vodafone  
**Discussion:**  
**Status:** [Agreed](#)

**0039 Problem found in GTP with re-using RAI IE to convey MNC & MCC to GGSNs**  
**Type:** DISC  
**Source:** Vodafone  
**Discussion:**  
This paper discusses a problem found with inter-working between early versions of GTP and later versions. This problem exists *within* different versions of GTPv0 and *within* different versions of GTPv1, however more importantly it highlights a potential problem which could re-occur in the future.  
**Status:** [Noted](#)

**0092 Clarification to error handling of IEs of type TV**  
**Type:** CR 29.060-528  
**Source:** Vodafone  
**Discussion:**  
**Status:** [Revised to N4-040287](#)

**0287 Clarification to error handling of IEs of type TV**  
**Type:** CR 29.060-528r1  
**Source:** Vodafone  
**Discussion:**  
**Status:** [Revised to N4-040429](#)

**0429 Clarification to error handling of IEs of type TV**  
**Type:** CR 29.060-528r1  
**Source:** Vodafone  
**Discussion:**  
**Status:** [Agreed](#)

**0110 Charging Characteristics**  
**Type:** CR 29.002-760  
**Source:** Siemens  
**Discussion:**



**Vodafone** proposed to have this CR from R97 onwards. Maybe we should ask information from SA5 before we decide to have CR in earlier Release.

**Vodafone:** The correct charging specification for charging is 32.251 instead of 32.215.

**Status:** [Revised to N4-040430](#)

**0430 Charging Characteristics**

**Type:** CR 29.002-760r1

**Source:** Siemens

**Discussion:**

**Status:** [Agreed](#)

**0431 LS on clarification on the deletion of CC at the HLR**

**Type:** LS OUT

**Source:** Siemens

**Discussion:**

**Status:**

**0132 Update of references to PS charging specification**

**Type:** CR 29.060-530

**Source:** Vodafone

**Discussion:**

**Status:** [Agreed](#)

**0164 Clarification of IPv4 and IPv6 node addresses in the SRNS Relocation Procedure.**

**Type:** CR 29.060-535 Rel-6

**Source:** HUAWEI

**Discussion:**

**Vodafone** maybe CR is needed also to Rel-5 because we started to support IPv6 on Rel-5.

**Nokia** support CR to Rel-6, but they have strong feeling this is not needed in Rel-5.

**Huawei:** We have agreed in the last meeting that this is only Rel-6 issue. Some editorial corrections were made.

**Status:** [Revised to N4-050432](#)

**0432 Clarification of IPv4 and IPv6 node addresses in the SRNS Relocation Procedure.**

**Type:** CR 29.060-535r1 Rel-6

**Source:** HUAWEI

**Discussion:**

**Status:** [Agreed](#)

**0165 Support of IPv4 and IPv6 node addresses in Inter-SGSN RAU procedure**

**Type:** CR 29.060-536

**Source:** HUAWEI

**Discussion:**

**Nokia:** Alternative SGSN Address for Control Plane should be optional. This was accepted by the meeting.

Some editorial corrections were made.

**Status:** [Revised to N4-050433](#)

**0433 Support of IPv4 and IPv6 node addresses in Inter-SGSN RAU procedure**

**Type:** CR 29.060-536r1

**Source:** HUAWEI

**Discussion:**

**Nokia:** Alternative SGSN Address for Control Plane should be optional.  
This was accepted by the meeting.  
Some editorial corrections were made.

**Status:** [Agreed](#)

**0168 Add the Common Flags IE to GGSN-Initiated Update PDP Context Request message**

**Type:** CR 29.060-537

**Source:** HUAWEI

**Discussion:** **Vodafone:** In the table Common flags need to be removed before APN restriction.

**Status:** [Revised to N4-050434](#)

**0434 Add the Common Flags IE to GGSN-Initiated Update PDP Context Request message**

**Type:** CR 29.060-537r1

**Source:** HUAWEI

**Discussion:**

**Status:** [Agreed](#)

**0170 Correction of Type values**

**Type:** CR 29.060-539

**Source:** Alcatel

**Discussion:**

**Status:** [Agreed](#)

**0182 GSN Address for Control Plane usage**

**Type:** CR 29.060-542 Rel-6

**Source:** LM Ericsson

**Discussion:**

**Nokia:** In some cases IP header should be used and because of that CR is not acceptable.

**Lucent** believes changes are already covered in 7.6.

**Meeting agreed** that email discussion is needed to solve the problems.

**Status:** [Postponed to CN4#27](#)

**0184 Addition of RIM Routing Address for GERAN**

**Type:** CR 29.060-544 Rel-6

**Source:** LM Ericsson

**Discussion:**

**Ericsson:** The proposed changes are applicable to all cases not only on GERAN Iu mode.

**Status:** [Agreed](#)

**0203 RIM Routing Address Usage in RAN Information Relay**

**Type:** CR 29.060-548 Rel-6

**Source:** Nortel

**Discussion:**  
**Status:** [Withdrawn](#)

## **7.9 MBMS**

[See the notes of this session in Tdoc N4-050343](#)

**0012 LS on a new Enhanced NSAPI IE for MBMS**

**Type:** LS IN  
**Source:** CN1  
**Discussion:**  
**Status:** [Noted](#)

**0015 Reply LS on MBMS information elements**

**Type:** LS IN  
**Source:** CN3  
**Discussion:**  
**Status:** [Noted](#)

**0018 LS on MBMS Information Elements over Iu interface**

**Type:** LS IN  
**Source:** RAN3  
**Discussion:**  
**Status:** [Noted](#)

**0021 Reply on LS on GERAN Assumptions on common MBMS Information Elements**

**Type:** LS IN  
**Source:** SA2  
**Discussion:**  
**Status:** [Noted](#)

**0024 Reply LS on MBMS Information Element coding**

**Type:** LS IN  
**Source:** SA2  
**Discussion:**  
**Status:** [Noted](#)

**0025 Reply on LS on GERAN Assumptions on common MBMS Information Elements**

**Type:** LS IN  
**Source:** SA2  
**Discussion:**  
**Status:** [Noted](#)

**0032 LS on Session Repetition**

**Type:** LS IN  
**Source:** SA4  
**Discussion:**

Status: **Noted**

**0253 Reply LS on MBMS Information Element coding (S2-043862)**

Type: **LS IN**  
Source: **GERAN**  
Discussion:  
Status: **Noted**

**0254 LS on bit rate/delay requirements in the GERAN for an MBMS session**

Type: **LS IN**  
Source: **GERAN2**  
Discussion:  
Status: **Noted**

**0255 Reply LS on Session Repetition (S4-040841)**

Type: **LS IN**  
Source: **GERAN2**  
Discussion:  
Status: **Noted**

**0259 Reply LS on Session Repetition**

Type: **LS IN**  
Source: **RAN2**  
Discussion:  
Status: **Noted**

**0093 Clarification of the TMGI**

Type: **CR 23.003-097**  
Source: **Vodafone**  
Discussion:  
Status: **Agreed**

**0137 Providing the BM-SC with approximate UE location information at MBMS context activation**

Type: **CR 29.060-531**  
Source: **Vodafone**  
Discussion:  
Status: **Agreed**

**0138 Correction to charging information for IP Flow**

Type: **CR 29.060-532**  
Source: **Vodafone**  
Discussion:  
Status: **Agreed**

**0185 Adding the TMGI to the MBMS Session Stop Request message**

Type: CR 29.060-545  
Source: LM Ericsson  
Discussion:  
Status: [Postponed to CN4#27](#)

**0186 Adding missing parameters to the MBMS Session Start Request message**

Type: CR 29.060-546  
Source: LM Ericsson  
Discussion:  
Status: [Revised to N4-050341](#)

**0341 Adding missing parameters to the MBMS Session Start Request message**

Type: CR 29.060-546r1  
Source: LM Ericsson  
Discussion:  
Status: [Agreed](#)

**0187 Enhanced NSAPI for MBMS**

Type: CR 29.060-547  
Source: LM Ericsson  
Discussion:  
Status: [Revised to N4-050340](#)

**0340 Enhanced NSAPI for MBMS**

Type: CR 29.060-547r1  
Source: LM Ericsson  
Discussion:  
Status: [Agreed](#)

**0342 Change of newly added IEs in Rel-6 to type TLV**

Type: CR 29.060-549  
Source: Vodafone  
Discussion:  
Status: [Agreed](#)

**0344 Notes of MBMS session**

Type: Notes  
Source: Vice Chairman  
Discussion:  
Status: [Agreed](#)

## **7.10 CAMEL**

[See the notes of this session in Tdoc N4-050360](#)

**0213 Correction to CS\_gsmSSF process for CUE signal**

Type: CR  
Source: Ericsson  
Discussion:

Status: [Withdrawn](#)

**0214 Correction to CSA\_gsmSSF process for state checking**

Type: CR

Source: Ericsson

Discussion:

Status: [Withdrawn](#)

**0215 Correction to CS\_gsmSSF process for ACR handling**

Type: CR

Source: Ericsson

Discussion:

Status: [Withdrawn](#)

**0252 CR 23.078 762 Rel-6; CR 693 not implemented**

Type: xx,

Source: Ericsson

Discussion:

Status: [Agreed](#)

**0360 Notes of parallel session (MAP, LCS, Camel)**

Type: Notes

Source: Vice Chairman

Discussion:

Status: [Agreed](#)

## **7.11 LCS**

[See the notes of this session in Tdoc N4-050360](#)

**0036 Miss alignment with stage 2 on reuse mechanism**

Type: CR 24.030-022 Rel-6

Source: NEC

Discussion:

Status: [Revised to N4-050364](#)

**00364 Miss alignment with stage 2 on reuse mechanism**

Type: CR 24.030-022r1 Rel-6

Source: NEC

Discussion:

Status: [Agreed](#)

**0037 Miss alignment with stage 2 on reuse mechanism**

Type: CR 24.080-043

Source: NEC

Discussion:

Status: [Revised to N4-050365](#)

**0365 Miss alignment with stage 2 on reuse mechanism**

Type: CR 24.080-043r1

Source: NEC  
Discussion:  
Status: [Agreed](#)

**0038 Miss alignment with stage 2 on reuse mechanism**

Type:  
Source: CR 29.002-758 Rel-6  
Discussion:  
Status: [Withdrawn](#)

**0245 Pseudonym support in MO-LR**

Type: DISC  
Source: HUAWEI  
Discussion:  
Status: [Noted](#)

**0246 Pseudonym indicator support in MO-LR**

Type: CR 24.030-23  
Source: HUAWEI  
Discussion:  
Status: [Revised to N4-050366](#)

**0366 Pseudonym indicator support in MO-LR**

Type: CR 24.030-23r1  
Source: HUAWEI  
Discussion:  
Status: [Agreed](#)

**0247 Pseudonym indicator support in MO-LR**

Type: CR 24.080-44  
Source: HUAWEI  
Discussion:  
Status: [Revised to N4-050367](#)

**0367 Pseudonym indicator support in MO-LR**

Type: CR 24.080-44r1  
Source: HUAWEI  
Discussion:  
Status: [Agreed](#)

**0248 Pseudonym indicator support in MO-LR**

Type: CR 29.002-763 Rel-6  
Source: HUAWEI  
Discussion:  
Status: [Revised to N4-050368](#)

**0368 Pseudonym indicator support in MO-LR**

Type: CR 29.002-763r1 Rel-6  
Source: HUAWEI  
Discussion:

Status: [Revised to N4-050467](#)

**0467 Pseudonym indicator support in MO-LR**

Type: CR 29.002-763r2 Rel-6

Source: HUAWEI

Discussion:

Status: [Agreed](#)

## **7.12 OoBTC/TrFO**

**0099 New 'TFO status' event**

Type: CR 29.232-138 Rel-6

Source: Alcatel

Discussion: Ericsson: New version of TFO packages are needed.

Status: [Revised to N4-050414](#)

**0414 New 'TFO status' event**

Type: CR 29.232-138r1 Rel-6

Source: Alcatel

Discussion: Ericsson: New version of TFO packages are needed.

Status: [Agreed](#)

**0100 New 'TFO status' event**

Type: CR 23.153-085 Rel-6

Source: Alcatel

Discussion: It was agreed that a short description is needed also in stage 3.

Status: [Revised to N4-050415](#)

**0415 New 'TFO status' event**

Type: CR 23.153-085r1 Rel-6

Source: Alcatel

Discussion:

Status: [Revised to N4-050470](#)

**0470 New 'TFO status' event**

Type: CR 23.153-085r2 Rel-6

Source: Alcatel

Discussion:

Status: [Agreed](#)

**0101 TFO procedure clarification**

Type: CR 29.232-139 Rel-6

Source: Alcatel

Discussion:

Ericsson: Deletion of first chapter in 15.1.3.5 is not needed or we have to do it also in Rel-4 and Rel-5 as frequent and serious miss operation.

Meeting agreed changes are needed also for Rel-4 and Rel-5.

Status: [Revised to N4-050418](#)

**0416 TFO procedure clarification**



**Type:** CR 29.232-166 Rel-4  
**Source:** Alcatel  
**Discussion:** Category have to be F.  
**Status:** [Agreed](#)

**0417 TFO procedure clarification**

**Type:** CR 29.232-167 Rel-5  
**Source:** Alcatel  
**Discussion:**  
**Status:** [Agreed](#)

**0418 TFO procedure clarification**

**Type:** CR 29.232-139r1 Rel-6  
**Source:** Alcatel  
**Discussion:**  
**Status:** [Agreed](#)

**0102 Packetisation time of PCM codec speech over Nb**

**Type:** DISC  
**Source:** Alcatel  
**Discussion:** Ericsson stage2 impact is needed to clarify proposed changes.  
Proposal is supported by companies except **Lucent**. Lucent believes more clarification is needed before they can accept proposed solution.  
This is Rel-7  
**Status:** [Noted](#)

**0155 Correction of the mid-call codec negotiation due to BARS**

**Type:** CR 23.153-86 Rel-6  
**Source:** Siemens  
**Discussion:**  
**Status:** [Withdrawn](#)

### **7.13 MAP security**

**0109 Addition of TCAP-Handshake for MO-ForwardSM**

**Type:** CR 29.002-759  
**Source:** Siemens, T-Mobile  
**Discussion:**  
**Status:** [Revised to N4-050444](#)

**0444 Addition of TCAP-Handshake for MO-ForwardSM**

**Type:** CR 29.002-759r1  
**Source:** Siemens, T-Mobile  
**Discussion:**  
**Status:** [Agreed](#)

**0280 Addressing limitations of TCAP handshake for SMS transfer**

**Type:** DISC  
**Source:** Vodafone  
**Discussion:**

**Ericsson** believes that CN4 should not do any enhancements on this topic. The current TCAP handshaking mechanism is enough to handle SMS transfer. This discussion is more SA3 related and we should wait if SA3 request more information via LS.

**Operators** believe correction is needed and one of the three solution should be selected. SA3 should be informed about selection.

**Nokia:** This was a late document and Nokia hasn't have time to check proposed solutions which mean currently they do not have any opinion.

**Meeting** agreed that we should wait official request of advice from SA3.

Status: **Postponed**

## **7.14 MAP**

### **0116 Addition of LAI to SendIdentification Request**

Type: CR 29.002-761

Source: Siemens

Discussion:

Status: **Revised to N4-050369**

### **0369 Addition of LAI to SendIdentification Request**

Type: CR 29.002-761r1

Source: Siemens

Discussion:

Status: **Agreed**

## **7.15 Network sharing**

### **0019 REPLY LS on 23.060 CR on RIM-NACC clean up**

Type: LS IN

Source: RAN3

Discussion:

Status: **Noted**

### **0020 LS Response on LS on Indication of Selected CN operator in connected mode in Shared Networks**

Type: LS IN

Source: RAN3

Discussion:

Status: **Noted**

### **0258 Response LS on 23.060 CR on RIM-NACC clean up**

Type: **LS IN**

Source: GERAN2

Discussion:

Status: **Noted**

### **0169 Addition of Selected PLMN-ID for network sharing**

Type: CR 29.060-538 Rel-6

Source: Alcatel, TeliaSonera

Discussion:

**Vodafone:** The new information element needs to be a TLV because of backward compatibility.

**Status:** Revised to N4-050443

#### **0443 Addition of Selected PLMN-ID for network sharing**

**Type:** CR 29.060-538r1 Rel-6

**Source:** Alcatel, TeliaSonera

**Discussion:**

**Status:** [Agreed](#)

### **7.16 AOB**

#### **7.16.1 Cause code mapping**

##### **0128 Correction of partly implemented CR 108**

**Type:** CR 29.010-112 Rel-6

**Source:** Vodafone

**Discussion:**

**Status:** [Agreed](#)

#### **7.16.2 Mc Interface**

##### **0087 Removal of Signals on ROOT**

**Type:** CR 29.232-131

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

##### **0088 Removal of usage of Stream ID in Topology descriptor**

**Type:** CR 29.232 132 Rel-6;

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

##### **0089 H.248.1 version contradiction**

**Type:** CR 29.232-133

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

##### **0238 Introduction of COT**

**Type:** CR 29.232-165

**Source:** LM Ericsson

**Discussion:** Ericsson: There are no need to add this description to TS 23.205.

**Vodafone:** The proposed CR add minimum requirements to have Continuity Check in 29.232, but it also allow to add more than described in CR. It doesn't restrict implementers to follow Q.1950 procedures.

**Ericsson:** Note can be added after table to clarify to use of Continuity Check.

**Vodafone** proposed to add new procedures to separate table.

**Status:** [Revised to N4-050373](#)

**0373 Introduction of COT**

**Type:** CR 29.232-165r1  
**Source:** LM Ericsson  
**Discussion:**  
**Status:** [Revised to N4-050471](#)

**0471 Introduction of COT**

**Type:** CR 29.232-165r1  
**Source:** LM Ericsson  
**Discussion:**  
**Status:** [Agreed](#)

### **7.16.3 Hop Counter**

**0112 Preventing Endless Relaying of Messages**

**Type:** DISC  
**Source:** Siemens, Vodafone  
**Discussion:** Ericsson believes this is an optimisation.  
**Status:** [Noted](#)

**0113 Introduction of Hop Counter for Send Identification**

**Type:** CR 23.012-018r1  
**Source:** Siemens  
**Discussion:**  
Ericsson: If database is configured correct by operator there are no cases for misoperations.  
Ericsson would like to have note in chapter 4.1.2.1 that hop is optional.  
**Status:** [Revised to N4-050445](#)

**0445 Introduction of Hop Counter for Send Identification**

**Type:** CR 23.012-018r2  
**Source:** Siemens  
**Discussion:**  
**Status:** [Agreed](#)

**0114 Introduction of Hop Counter for Send Identification**

**Type:** CR 29.002-745r1 Rel-6  
**Source:** Siemens, Vodafone  
**Discussion:** Have to be checked why hopCounter is added before msc-Number in ASN.1.  
Ericsson: It was agreed that hop counter is optional; on table C should be changed as U.  
**Status:** [Revised to N4-050446](#)

**0446 Introduction of Hop Counter for Send Identification**

**Type:** CR 29.002-745r2 Rel-6  
**Source:** Siemens, Vodafone  
**Discussion:** Have to be checked why hopCounter is added before msc-Number in ASN.1.  
Ericsson: It was agreed that hop counter is optional; on table C should be changed as U.

**Status:**

**0115 Introduction of Hop Counter to Identification Request and SGSN Context Request**

**Type:** CR 29.060-529 Rel-6

**Source:** Siemens, Vodafone

**Discussion:**

**Status:** [Revised to N4-050447](#)

**0447 Introduction of Hop Counter to Identification Request and SGSN Context Request**

**Type:** CR 29.060-529r1 Rel-6

**Source:** Siemens, Vodafone

**Discussion:**

**Status:** [Agreed](#)

## **8 UMTS Release 5, Release 4 & Release 99 maintenance**

### **8.1 Subscriber data handling for the IMS**

#### **8.1.1 HSS – CSCF (Cx) & SLF - CSCF (Dx) interfaces**

**0331 HSS initiates deregistration**

**Type:** CR 29.228-177 Rel-5

**Source:** Orange

**Discussion:**

**Status:** [Agreed](#)

**0135 Correction of Authentication-related AVPs**

**Type:** CR 29.229-77 Rel-5

**Source:** Alcatel

**Discussion:**

**Status:** [Revised to N4-050332](#)

**0332 Correction of Authentication-related AVPs**

**Type:** CR 29.229-77r1 Rel-5

**Source:** Alcatel

**Discussion:**

Proposed bullet point will be removed and reference to TS 29.228 is added.

**Status:** [Revised to N4-050456](#)

**0456 Correction of Authentication-related AVPs**

**Type:** CR 29.229-77r2 Rel-5

**Source:** Alcatel

**Discussion:**

Proposed bullet points are removed and reference to TS 29.228 is added.

**Status:** [Agreed](#)

**0136 Correction of Authentication-related AVPs**

**Type:** CR 29.229-78 Rel-6

**Source:** Alcatel

**Discussion:**

**Status:** [Revised to N4-050333](#)

**0333 Correction of Authentication-related AVPs**

**Type:** CR 29.229-78r1 Rel-6

**Source:** Alcatel

**Discussion:**

**Status:** [Revised to N4-050457](#)

**0457 Correction of Authentication-related AVPs**

**Type:** CR 29.229-78r2 Rel-6

**Source:** Alcatel

**Discussion:**

**Status:** [Agreed](#)

**0371 Reply LS on "S-CSCF client address comparisons and their affect on de-registrations"**

**Type:** LS IN

**Source:** CN1

**Discussion:**

**Status:** [Noted](#)

**0147 Avoiding undesired deregistration**

**Type:** CR 29.228-165 Rel-5

**Source:** Nokia

**Discussion:**

**CN1:** "It is CN1's understanding that the client address of the S-CSCF (SIP-URI) can change any time. According to a note in TS 24.229 (Rel-6 v.6.5.1, see chapter 5.4.1.2.1) "S-CSCF may include in its SIP URI the transport protocol and the port number where it wants to be contacted", thus this implies that the SIP URI of the S-CSCF may change at any time."

**Nokia:** Comparing Diameter client address solves the problem described by CN1.

**France Telecom:** It have to be checked that proposed CR is align with CN4 specification that the Diameter client address is stored in the HSS.

**Status:** [Agreed](#)

**0148 Avoiding undesired deregistration**

**Type:** CR 29.228-166 Rel-6

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0149 Correction to authentication procedures in not registered case**

**Type:** CR 29.228-167 Rel-5

**Source:** Nokia

**Discussion:** **France Telecom:** Wording in section 6.3.1 needs to be revised.

**Lucent:** The fundamental part is to clarify which network element should do this. I-CSCF have got responsibility to do that. **Lucent** doesn't believe this change is needed in Rel-5.

**Nokia:** There are some cases which are not covered by I-CSCF. The proposed CR clarifies the situation.

**Lucent:** Reason of change should highlight when these error situations occur.

**Status:** [Revised to N4-050334](#)

**0334 Correction to authentication procedures in not registered case**

**Type:** CR 29.228-167r1 Rel-5

**Source:** Nokia

**Discussion:** Lucent needs more time to check proposed changes.

All the objection have to be raised till Friday 25<sup>th</sup> February 2005 18:00 CET.

**Status:** [Agreed after email approval procedure](#)

**0150 Correction to authentication procedures in not registered case**

**Type:** CR 29.228-168

**Source:** Nokia

**Discussion:**

**Status:** [Revised to N4-050335](#)

**0335 Correction to authentication procedures in not registered case**

**Type:** CR 29.228-168r1

**Source:** Nokia

**Discussion:**

**Status:** [Agreed after email approval procedure](#)

**0191 Introduction of Failed AVP**

**Type:** CR 29.229-81 Rel-5

**Source:** Nortel

**Discussion:**

**Status:** [Revised to N4-050336](#)

**0336 Introduction of Failed AVP**

**Type:** CR 29.229-81r1 Rel-5

**Source:** Nortel

**Discussion:**

**Status:** [Agreed](#)

**0192 Introduction of Failed AVP**

**Type:** CR 29.229-82 Rel-6

**Source:** Nortel

**Discussion:**

**Status:** [Revised to N4-050337](#)

**0337 Introduction of Failed AVP**

**Type:** CR 29.229-82r1 Rel-6

**Source:** Nortel

**Discussion:**

**Status:** [Agreed](#)

**0201 Network Initiated Deregistration S-CSCF behaviour**

**Type:** CR 29.228 173 Rel-5

**Source:** Nortel

**Discussion:**

Status: [Withdrawn](#)

**0202 Network Initiated Deregistration S-CSCF behaviour**

Type: CR 29.228 174 Rel-6

Source: Nortel

Discussion:

Status: [Withdrawn](#)

**0331 HSS initiates deregistration**

Type: CR 29.228-177 Rel-5

Source: Orange

Discussion:

Status: [Agreed](#)

**0300 Clarification of the content of SIP-Authentication-Context**

Type: CR 29.228-175 Rel-5

Source: Orange

Discussion: A document arrived late.

Status: [Not treated due to time](#)

**0301 Clarification of the content of SIP-Authentication-Context**

Type: CR 29.228-176 Rel-6

Source: Orange

Discussion: A document arrived late.

Status: [Not treated due to time](#)

## 8.1.2 HSS – SIP AS (Sh) interface

**0117 Sh-Update needs to include Data-Reference to be future proof**

Type: CR 29.328-98r1 Rel-5

Source: Lucent Technologies, Nortel, France Telecom, Ericsson, Vodafone

Discussion:

Status: [Revised to N4-050316](#)

**0316 Sh-Update needs to include Data-Reference to be future proof**

Type: CR 29.328-98r2 Rel-5

Source: Lucent Technologies, Nortel, France Telecom, Ericsson, Vodafone

Discussion:

Status: [Revised to N4-050458](#)

**0458 Sh-Update needs to include Data-Reference to be future proof**

Type: CR 29.328-98r3 Rel-5

Source: Lucent Technologies, Nortel, France Telecom, Ericsson, Vodafone

Discussion:

Status: [Agreed](#)

**0118 Sh-Update needs to include Data-Reference to be future proof**

Type: CR 29.328-99r3 Rel-6

Source: Lucent Technologies, Nortel, France Telecom, Ericsson, Vodafone



**Discussion:**

**Status:** [Revised to N4-050317](#)

**0317 Sh-Update needs to include Data-Reference to be future proof**

**Type:** CR 29.328-99r4 Rel-6

**Source:** Lucent Technologies, Nortel, France Telecom, Ericsson, Vodafone

**Discussion:**

**Status:** [Revised to N4-050459](#)

**0459 Sh-Update needs to include Data-Reference to be future proof**

**Type:** CR 29.328-99r5 Rel-6

**Source:** Lucent Technologies, Nortel, France Telecom, Ericsson, Vodafone

**Discussion:**

**Status:** [Agreed](#)

**0318 Sh-Update needs to include Data-Reference to be future proof**

**Type:** CR 29.329-63 Rel-5

**Source:** Lucent Technologies

**Discussion:**

**Status:** [Agreed](#)

**0319 Sh-Update needs to include Data-Reference to be future proof**

**Type:** CR 29.329-64 Rel-6

**Source:** Lucent Technologies

**Discussion:**

**Status:** [Agreed](#)

**0119 Align UML Model and the XML schema for Public Identity**

**Type:** CR 29.328-112 Rel-5

**Source:** Lucent Technologies

**Discussion:**

**Status:** [Agreed](#)

**0120 Align UML Model and the XML schema for Public Identity**

**Type:** CR 29.328-113 Rel-6;

**Source:** Lucent Technologies

**Discussion:**

**Status:** [Agreed](#)

**0121 Incorrect AVP Code for Public-Identity in Table 6.3.1**

**Type:** CR 29.329-65 Rel-5

**Source:** Lucent Technologies

**Discussion:**

**Status:** [Agreed](#)

**0139 Conditional Service indication in Sh-Subs-Notif**

**Type:** CR 29.328-115 Rel-5

**Source:** Ericsson

**Discussion:**

**Status:** [Revised to N4-050320](#)

**0320 Conditional Service indication in Sh-Subs-Notif**

**Type:** CR 29.328-115r1 Rel-5

**Source:** Ericsson

**Discussion:**

**Status:** [Agreed](#)

**0140 Conditional Service indication in Sh-Subs-Notif**

**Type:** CR 29.328-116 Rel-6

**Source:** Ericsson

**Discussion:**

**Status:** [Revised to N4-050321](#)

**0321 Conditional Service indication in Sh-Subs-Notif**

**Type:** CR 29.328-116r1 Rel-6

**Source:** Ericsson

**Discussion:**

**Status:** [Agreed](#)

**0151 Sh Diameter AVP Mapping Correction**

**Type:** CR 29.328-117 Rel-5

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0152 Sh Diameter AVP Mapping Correction**

**Type:** CR 29.328-118 Rel-6

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0159 Clarification of Sh Access Keys**

**Type:** CR 29.328 120 Rel-5

**Source:** HP, Ericsson

**Discussion:**

**Status:** [Revised to N4-040277](#)

**0277 Clarification of Sh Access Keys**

**Type:** CR 29.328-120r1 Rel-5;

**Source:** HP, Ericsson

**Discussion:** Offline discussion is needed about referencing to section 6.

**Status:** [Revised to N4-040322](#)

**0322 Clarification of Sh Access Keys**

**Type:** CR 29.328-120r2 Rel-5;

**Source:** HP, Ericsson, Nokia, Vodafone, Nortel

**Discussion:** 7.1.x chapter have to be modified.

**Lucent** needs more time to check this.

**Status:** [Agreed after email approval procedure](#)

**0160 Clarification of Sh Access Keys**

**Type:** CR 29.328-121 Rel-6  
**Source:** HP, Ericsson  
**Discussion:**  
**Status:** [Revised to N4-040278](#)

**0278 Clarification of Sh Access Keys**

**Type:** CR 29.328-121r1 Rel-6  
**Source:** HP, Ericsson  
**Discussion:**  
**Status:** [Revised to N4-040323](#)

**0323 Clarification of Sh Access Keys**

**Type:** CR 29.328-121r2 Rel-6  
**Source:** HP, Ericsson, Nokia, Vodafone, Nortel  
**Discussion:**  
**Status:** [Agreed after email approval procedure](#)

**0193 Introduction of Failed AVP**

**Type:** CR 29.329-56 Rel-5  
**Source:** Nortel  
**Discussion:** Nokia believes this is not an essential correction.  
Lucent: \*[AVP] can re-used and a new \*[Failed-AVP] in not needed.  
**Status:** [Revised to N4-050324](#)

**0324 Introduction of Failed AVP**

**Type:** CR 29.329-56r1 Rel-5  
**Source:** Nortel  
**Discussion:** Nokia believes this is not an essential correction but they see correction is useful.  
**Status:** [Agreed](#)

**0194 Introduction of Failed AVP**

**Type:** CR 29.329-57 Rel-6  
**Source:** Nortel  
**Discussion:**  
**Status:** [Revised to N4-050325](#)

**0325 Introduction of Failed AVP**

**Type:** CR 29.329-57r1 Rel-6  
**Source:** Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0249 Clarification of Sh Access Keys**

**Type:** CR 29.329-59 Rel-5  
**Source:** HP, Ericsson  
**Discussion:**  
**Status:** [Withdrawn](#)

**0250 Clarification of Sh Access Keys**

**Type:** CR 29.329-60 Rel-6  
**Source:** HP, Ericsson  
**Discussion:**  
**Status:** [Withdrawn](#)

**0267 Clarification of Sh Access Keys**

**Type:** CR 29.230-44 Rel-6  
**Source:** HP, Ericsson  
**Discussion:**  
**Status:** [Withdrawn](#)

**0281 Clarification tom Sh Notification**

**Type:** CR 29.328-123 Rel 5  
**Source:** Nokia  
**Discussion:** **Vodafone:** 7.6.1 is needed to update because data reference can be in from now on.  
**Meeting** didn't see reason to update table 7.6.1.  
**Lucent** can't accept the change in Rel-5 because the believe this isn't essential correction.  
**Nortel:** Error code should be added in table 6.1.1.2.  
**Vodafone** asked more time to check CR.  
**Status:** [Revised to N4-050326](#)

**0326 Clarification tom Sh Notification**

**Type:** CR 29.328-123r1 Rel 5  
**Source:** Nokia  
**Discussion:**  
**Status:** [Postponed to CT4#27](#)

**0153 Clarification to Sh Notifications**

**Type:** CR 29.328-119 Rel-6  
**Source:** Nokia  
**Discussion:**  
**Status:** [Revised to N4-050327](#)

**0327 Clarification to Sh Notifications**

**Type:** CR 29.328-119r1 Rel-6  
**Source:** Nokia  
**Discussion:**  
**Status:** [Postponed to CT4#27](#)

**0282 Clarification tom Sh Notification**

**Type:** CR 29.329-61 Rel 5  
**Source:** Nokia  
**Discussion:**  
**Status:** [Postponed to CT4#27](#)

**0283 Clarification tom Sh Notification**

**Type:** CR 29.329-62 Rel 6  
**Source:** Nokia  
**Discussion:**

**Status:** [Postponed to CT4#27](#)

**0435 Clarification tom Sh Notification**

**Type:** CR 29.328-124 Rel 5

**Source:** Lucent

**Discussion:**

**Status:** [Postponed to CT4#27](#)

**0436 Clarification tom Sh Notification**

**Type:** CR 29.328-125 Rel 6

**Source:** Lucent

**Discussion:**

**Status:** [Postponed to CT4#27](#)

**0437 Clarification tom Sh Notification**

**Type:** CR 29.329-66 Rel 5

**Source:** Lucent

**Discussion:**

**Status:** [Postponed to CT4#27](#)

**0438 Clarification tom Sh Notification**

**Type:** CR 29.328-67 Rel 6

**Source:** Lucent

**Discussion:**

**Status:** [Postponed to CT4#27](#)

## **8.2 GPRS**

**0162 Add Source RNC PDCP context info IE in Forward SRNS Context message**

**Type:** CR 29.060-533 Rel-5

**Source:** HUAWEI

**Discussion:** **Chairman:** Consequences if not approved have to be clarified.

The functionality is introduced on Rel-5 onwards.

Value 161 have to checked during implementation.

**Status:** [Revised to N4-050439](#)

**0439 Add Source RNC PDCP context info IE in Forward SRNS Context message**

**Type:** CR 29.060-533r1 Rel-5

**Source:** HUAWEI

**Discussion:**

**Status:** [Agreed](#)

**0163 Add Source RNC PDCP context info IE in Forward SRNS Context message**

**Type:** CR 29.060-534 Rel-6

**Source:** HUAWEI

**Discussion:**

**Status:** [Revised to N4-050440](#)

**0440 Add Source RNC PDCP context info IE in Forward SRNS Context message**

**Type:** CR 29.060-534 Rel-6  
**Source:** HUAWEI  
**Discussion:**  
**Status:** [Agreed](#)

**0181 Clarification of PCO IE in Update PDP context response**  
**Type:** CR 29.060 541 Rel-5  
**Source:** LM Ericsson  
**Discussion:** Consequences if not approved need to be strengthen.  
**Status:** [Revised to N4-050441](#)

**0441 Clarification of PCO IE in Update PDP context response**  
**Type:** CR 29.060-541r1 Rel-5  
**Source:** LM Ericsson  
**Discussion:**  
**Status:** [Agreed](#)

**0180 Clarification of PCO IE in Update PDP context response**  
**Type:** CR 29.060 540 Rel-6  
**Source:** LM Ericsson  
**Discussion:**  
**Status:** [Revised to N4-050442](#)

**0442 Clarification of PCO IE in Update PDP context response**  
**Type:** CR 29.060 540r1 Rel-6  
**Source:** LM Ericsson  
**Discussion:**  
**Status:** [Agreed](#)

### **8.3 CAMEL**

[See the notes of parallel session in Tdoc N5-050360](#)

**0268 Correction of IETF Reference in TS 29.278**  
**Type:** CR 29.278-48  
**Source:** Lucent  
**Discussion:**  
**Status:** [Revised to N4-050362](#)

**0362 Correction of IETF Reference in TS 29.278**  
**Type:** CR 29.278-48r1  
**Source:** Lucent  
**Discussion:**  
**Status:** [Agreed](#)

**0363 Correction of IETF Reference in TS 29.278**  
**Type:** CR 29.278-49r1  
**Source:** Lucent  
**Discussion:**  
**Status:** [Agreed](#)

## 8.4 LCS

## 8.5 OoBTC/TrFO

### 0033 LS on Clarifications on AMR

Type: LS IN

Source: SA4

Discussion:

Status: [Noted](#)

### 0073 Stage 2 Procedure for Emergency Call Indication

Type: CR 23.205-051 Rel-5

Source: Nokia

Discussion:

Alcatel: Information element description on Context Request have to be clarified.

Status: [Revised to N4-050397](#)

### 0397 Stage 2 Procedure for Emergency Call Indication

Type: CR 23.205-051r1 Rel-5

Source: Nokia

Discussion:

Status: [Revised to N4-050472](#)

### 0472 Stage 2 Procedure for Emergency Call Indication

Type: CR 23.205-051r2 Rel-5

Source: Nokia

Discussion:

Status: [Agreed](#)

### 0074 Stage 2 Procedure for Emergency Call Indication

Type: CR 23.205-052 Rel-6

Source: Nokia

Discussion:

Status: [Revised to N4-050398](#)

### 0398 Stage 2 Procedure for Emergency Call Indication

Type: CR 23.205-052r1 Rel-6

Source: Nokia

Discussion:

Status: [Revised to N4-050473](#)

### 0473 Stage 2 Procedure for Emergency Call Indication

Type: CR 23.205-052r2 Rel-6

Source: Nokia

Discussion:

Status: [Agreed](#)

### 0075 Procedure for Emergency Call Indication

Type: CR 29.232-121 Rel-5

Source: Nokia

**Discussion:**  
**Status:** [Revised to N4-050400](#)

**0400 Procedure for Emergency Call Indication**

**Type:** CR 29.232-121r1 Rel-5

**Source:** Nokia

**Discussion:** Meeting agreed CR as it stands.

Meeting agreed that a table might need to be corrected in CN4#27 that in case the procedures are not covered.

**Status:** [Revised as N4-050474](#)

**0474 Procedure for Emergency Call Indication**

**Type:** CR 29.232-121r2 Rel-5

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0076 Procedure for Emergency Call Indication**

**Type:** CR 29.232-122 Rel-6

**Source:** Nokia

**Discussion:**

**Status:** [Revised to N4-050401](#)

**0401 Procedure for Emergency Call Indication**

**Type:** CR 29.232-122r1 Rel-6

**Source:** Nokia

**Discussion:**

**Status:** [Revised as N4-050475](#)

**0475 Procedure for Emergency Call Indication**

**Type:** CR 29.232-122r2 Rel-6

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0077 Solving contradiction between stage 3 (29.232) and stage 2 (23.205) for Service Change Reason in MGW Restoration procedure in 23.205 specification**

**Type:** CR 23.205-053 Rel-5

**Source:** Nokia

**Discussion:**

Ericsson believes proposed changes in chapter 10.3 aren't inline with Q.1950.

Offline discussion is needed.

**Status:** [Postponed](#)

**0078 Solving contradiction between stage 3 (29.232) and stage 2 (23.205) for Service Change Reason in MGW Restoration procedure in 23.205 specification**

**Type:** CR 23.205-054 Rel-6;

**Source:** Nokia

**Discussion:**

**Status:** [Postponed](#)



**0079 Solving contradiction between stage 3 (29.232) and stage 2 (23.205) for Service Change Reason in MGW Restoration procedure in 29.232 specification**

**Type:** CR 29.232-123 Rel-5;

**Source:** Nokia

**Discussion:**

**Status:** [Postponed](#)

**0080 Solving contradiction between stage 3 (29.232) and stage 2 (23.205) for Service Change Reason in MGW Restoration procedure in 29.232 specification**

**Type:** CR 29.232-124 Rel-6;

**Source:** Nokia

**Discussion:**

**Status:** [Postponed](#)

**0103 TFO activation without TFO Codec List**

**Type:** CR 29.232-140 Rel-4

**Source:** Alcatel

**Discussion:**

**Ericsson:** TFO codec list is provided in the addition in the activation procedure without codec modification procedure.

**Status:** [Revised to N4-050402](#)

**0402 TFO activation without TFO Codec List**

**Type:** CR 29.232-140r1 Rel-4

**Source:** Alcatel

**Discussion:**

**Status:** [Agreed](#)

**0104 TFO activation without TFO Codec List**

**Type:** CR 29.232-141 Rel-5

**Source:** Alcatel

**Discussion:**

**Status:** [Revised to N4-050403](#)

**0403 TFO activation without TFO Codec List**

**Type:** CR 29.232-141r1 Rel-5

**Source:** Alcatel

**Discussion:**

**Status:** [Agreed](#)

**0105 TFO activation without TFO Codec List**

**Type:** CR 29.232-142 Rel-6

**Source:** Alcatel

**Discussion:**

**Status:** [Revised to N4-050405](#)

**0404 TFO activation without TFO Codec List**

**Type:** CR 29.232-142r1 Rel-6

**Source:** Alcatel

**Discussion:**  
**Status:** [Agreed](#)

**0156 Removal of AMR-WB codec**  
**Type:** CR 23.153-87 Rel-4  
**Source:** Siemens  
**Discussion:** Category is F.  
**Status:** [Agreed](#)

**0157 Correction of the condition for the insertion of a transcoder**  
**Type:** CR 23.153-88 Rel-5  
**Source:** Siemens  
**Discussion:** Category is F.  
**Status:** [Agreed](#)

**0158 CR Correction of the condition for the insertion of a transcoder**  
**Type:** 23.153-89 Rel-6  
**Source:** Siemens  
**Discussion:**  
**Status:** [Agreed](#)

**0405 Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3**  
**Type:** CR 23.205-57 Rel-4  
**Source:** Nokia  
**Discussion:**  
**Status:** [Agreed](#)

**0205 Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3**  
**Type:** CR 23.205-55 Rel-5  
**Source:** Nokia  
**Discussion:**  
Common opinion of the meeting was that changes should be covered already in Rel-4.  
Category will be changed as A and WI code have to be TEI4.  
**Status:** [Agreed](#)

**0206 Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3**  
**Type:** CR 23.205-56 Rel-6  
**Source:** Nokia  
**Discussion:** WI code have to be TEI4  
**Status:** [Agreed](#)

**0242 Handover and Rate Control in MGW**  
**Type:** DISC  
**Source:** LM Ericsson  
**Proposal:**

A new solution should be introduced to Release 6 to identify terminations or a Context in the MGW which are being used for handover. This should identify each termination's role in the handover and would thus allow the MGW to perform an optimised, "soft" handover combining and to perform the rate control procedures accurately. The solution should allow the MGW to control the data stream connection in order to optimise the handover switching/combining.

A number of potential solutions are considered to fulfil this requirement:

**1. New Package with Termination Properties** - that can be set to identify each termination's role, e.g.: Serving, Target, Anchor.

Pro: Can be handled within 3GPP as per Optional UMTS packages.

Con: Procedures need to be defined based on Context having correctly set termination

properties. Requires all terminations to be set at the time of handover.

Could conflict with other Context attributes such as Topology.

**2. New Package on Context** – allows given terminations to be defined as with handover properties.

Pro: Can be handled within 3GPP as per Optional UMTS packages.

Procedures can be defined on a context basis rather than per

termination.

Could be easier to control other Context attributes such as Topology to avoid conflicts.

Con: Requires support of H.248.1v3.

**3. Update Topology Descriptor** - to include handover topology, e.g.: A B C: Handover, where A=Serving, B=Target, C=Anchor termination.

Pro: Identifies each termination and the handover in one go and overrides any topology settings which could conflict this.

Allows the MGW to control the effective topology and thus the connection between each termination and optimise this for the handover.

Con: Requires H.248.1 Core Protocol changes, i.e. ITU-T involvement.

It is proposed to send an LS to ITU-T SG16 to ask them to determine the plausibility of the 3<sup>rd</sup> option and suggest the best solution.

**Discussion:**

**Alcatel** believes the proposed solution is not visible in Rel-6, might be Rel-7 issue.

**Alcatel:** There are no reason to send LS to ITU-T SG16 because we do not have enough background information about proposed solution.

**Ericsson** would like to send LS to get some information from SG16 about topic and have more visibility on future work.

**Status:** **Noted**

**0244 Usage of Topology**

**Type:** **DISC**

**Source:** **Siemens**

**Proposal:**

It is proposed that the description related to the usage of topology descriptor is incorporated in 29.232.

- Interworking with RC and topology One-way need only to be considered in a specific way as summarized in this document for relocation purposes.
- If an RC is received at a termination which is connected one-way with partner termination. RC's are stored for further use i.e. if later again bothway through connection will be requested. A RCR will be passed to partner termination if the flow is allowed in that direction by the topology and if a Rate Control was previously received from that termination. The same handling should be applied independently if RC will be received at old or new RNC.
- It is proposed to add the different figures in the appendix of TS 29.232

**Discussion:** **Alcatel, Lucent:** Siemens proposal makes implementation more complex.  
**Ericsson:** We should not implement something which can be done already.  
**Ericsson** is happy to see this on Annex as information.  
 Offline discussion is needed.

**Status:** **Noted**

## 8.6 Mc Interface

### 0040 Corrections to table 14.2

**Type:** CR 29.232-096 Rel-4  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** **Agreed**

### 0041 Corrections to table 14.2

**Type:** CR 29.232-097 Rel-5  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** **Agreed**

### 0042 Corrections to table 14.2

**Type:** CR 29.232 098 Rel-6;  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** **Agreed**

### 0043 Requirements for support of H.248 packages

**Type:** CR 29.232-099 Rel-4  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**

**Alcatel:** It difficult to accept CR because there are no clarifications which packages are mandatory and which are optional.

**Ericsson** proposes in document N4-050216 that only the Fixed Announcement Play part of H.248.7 shall be mandatory and the values for the "av" parameter shall be configurable.

N4-050216 will be merged with the new revision of N4-050043.

**Vodafone:** Mc-interface should not include Tone Generator Package, it have to be optional.

**Alcatel** can accept the CR, but they still have the feeling that functionality is removed by CR. In the future more clear clarification is needed which parts are mandatory and optional.

Announcements need to be split in mandatory and optional parts

**Status:** [Revised to N4-050384](#)

**0384 Requirements for support of H.248 packages**

**Type:** CR 29.232-099r1 Rel-4

**Source:** Vodafone, Ericsson, Nokia, Nortel

**Discussion:** Category F

**Status:** [Agreed](#)

**0044 Requirements for support of H.248 packages**

**Type:** CR 29.232-100 Rel-5

**Source:** Vodafone, Ericsson, Nokia, Nortel

**Discussion:** Category have to be F

**Status:** [Revised to N4-050385](#)

**0385 Requirements for support of H.248 packages**

**Type:** CR 29.232-100r1 Rel-5

**Source:** Vodafone, Ericsson, Nokia, Nortel

**Discussion:** WI have to be TEI5.

**Status:** [Agreed](#)

**0045 Requirements for support of H.248 packages**

**Type:** CR 29.232-101 Rel-6

**Source:** Vodafone, Ericsson, Nokia, Nortel

**Discussion:**

**Status:** [Revised to N4-050386](#)

**0386 Requirements for support of H.248 packages**

**Type:** CR 29.232-101r1 Rel-6

**Source:** Vodafone, Ericsson, Nokia, Nortel

**Discussion:** WI have to be TEI5.

**Status:** [Agreed](#)

**0046 Completion of specification of UMTS Packages**

**Type:** CR 29.232-102 Rel-4

**Source:** Vodafone, Ericsson, Nokia, Nortel

**Discussion:**

**Orange** can't see option that these mandatory parameters become suddenly optional.

**Vodafone:** In stage 2 the requirements for these parameters are optional on network point of view. CN4 can't mandate the package in stage 3 if there are no functional requirements.

Category F CR.

**Status:** [Agreed](#)

**0047 Completion of specification of UMTS Packages**

**Type:** CR 29.232-103 Rel-5

**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:** Category F CR.  
**Status:** [Revised to N4-050387](#)

**0387 Completion of specification of UMTS Packages**

**Type:** CR 29.232-103r1 Rel-5  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:** Category F CR.  
**Status:** [Agreed](#)

**0048 Completion of specification of UMTS Packages**

**Type:** CR 29.232-104 Rel-6  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Revised to N4-050388](#)

**0388 Completion of specification of UMTS Packages**

**Type:** CR 29.232-104r1 Rel-6  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0049 Correction of implied option for Embedded Signals and Events**

**Type:** CR 29.232-105 Rel-5  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0050 Correction of implied option for Embedded Signals and Events**

**Type:** CR 29.232-106 Rel-6  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0051 Removal of the 'Test' ServiceStates value from the TerminationState Descriptor Events**

**Type:** CR 29.232-107 Rel-5  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:** **Lucent:** If "Test" is not supported, is it possible to handle this with error code?  
**Vodafone:** The reason of change is that value "Test" should never use in Mc-interface.  
**Lucent:** Consequences if not approved have to be strengthen.  
**Status:** [Revised to N4-050374](#)

**0374 Removal of the 'Test' ServiceStates value from the TerminationState Descriptor Events**

**Type:** CR 29.232-107r1 Rel-5  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Revised to N4-050476](#)

**0476 Removal of the ‘Test’ ServiceStates value from the TerminationState Descriptor Events**

**Type:** CR 29.232-107r2 Rel-5  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Revised to N4-050476](#)

**0052 Removal of the ‘Test’ ServiceStates value from the TerminationState Descriptor Events**

**Type:** CR 29.232-108 Rel-6  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Revised to N4-050375](#)

**0375 Removal of the ‘Test’ ServiceStates value from the TerminationState Descriptor Events**

**Type:** CR 29.232-108r1 Rel-6  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Revised to N4-050477](#)

**0477 Removal of the ‘Test’ ServiceStates value from the TerminationState Descriptor Events**

**Type:** CR 29.232-108r2 Rel-6  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0053 Removal of the usage of ContextAttributeAuditReq**

**Type:** CR 29.232-109 Rel-4  
**Source:** Vodafone  
**Discussion:**  
**Status:** [Withdrawn](#)

**0054 Removal of the usage of ContextAttributeAuditReq**

**Type:** CR 29.232-110 Rel-5  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Revised to N4-050376](#)

**0376 Removal of the usage of ContextAttributeAuditReq**

**Type:** CR 29.232-110r1 Rel-5  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0055 Removal of the usage of ContextAttributeAuditReq**

**Type:** CR 29.232-111 Rel-6  
**Source:** Vodafone, Ericsson, Nokia, Nortel

**Discussion:**  
**Status:** [Revised to N4-050377](#)

**0377 Removal of the usage of ContextAttributeAuditReq**  
**Type:** CR 29.232-111r1 Rel-6  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0056 Removal of the Multiplex descriptor**  
**Type:** CR 29.232-112 Rel-5  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0057 Removal of the Multiplex descriptor**  
**Type:** CR 29.232-113 Rel-6  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0058 Removal of the Modem descriptor**  
**Type:** CR 29.232-114 Rel-5  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0059 Removal of the Modem descriptor**  
**Type:** CR 29.232-115 Rel-6  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Agreed](#)

**0060 Limitation on the usage of the Audit descriptor**  
**Type:** CR 29.232-116 Rel-5  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
Alcatel believes CN4 should not make restrictions for commands on Audit descriptor.  
Lucent proposed to remove all the other proposed changes except Audit descriptor shall not be included in Subtract command.  
**Status:** [Postponed](#)

**0061 Limitation on the usage of the Audit descriptor**  
**Type:** CR 29.232-117 Rel-6  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**  
**Status:** [Postponed](#)

**0062 Requirements for support of procedures**



**Type:** CR 29.232-118 Rel-4  
**Source:** Vodafone, Ericsson, Nokia, Nortel  
**Discussion:**

**Lucent:** If we make some process on document we should make it for email approval.

**Vodafone:** We are pleased to have some comments and submit again in CN4#27.

**Meeting agreed** the additional column is needed.

**Meeting agreed** following procedures as described in tables bellow.

**Revised version N4-050389** will be sent email approval. Comments have to be sent out before 24<sup>th</sup> February. If comments are received the line will be marked as FSS. The revised version will be sent out (if needed) 25<sup>th</sup> February. The deadline of final document is Monday 28<sup>th</sup> February 18:00 CET.

**Table 2: Correspondence between Q.1950 non call-related transactions and TS 23.205 procedures**

Transaction used in Q.1950	Procedure defined in 3GPP TS 23.205 [2]	Comments	<a href="#">Support</a>
BIWF_Service_Cancellation_Indication	MGW Out of Service		<a href="#">Mandatory</a>
BIWF_Lost_Communication	MGW Communication Up		<a href="#">Mandatory</a>
BIWF_Service_Restoration_Indication	MGW Restoration		<a href="#">Mandatory</a>
BIWF_Registration	MGW Register		<a href="#">Mandatory</a>
BIWF_Re-Registration	MGW Re-register		<a href="#">Mandatory</a>
CCU Ordered BIWF Re-Registration	(G)MSC Server Ordered Re-register		<a href="#">Mandatory</a>
CCU Initiated Service Restoration	(G)MSC Server Restoration		<a href="#">Optional</a>
CCU Initiated Service Cancellation	(G)MSC Server Out of Service		<a href="#">Optional</a>
BIWF_Service_Cancellation_Indication	Termination Out-of-Service	Is a part of BIWF Service cancellation in Q.1950	<a href="#">Mandatory</a>
BIWF_Service_Restoration_Indication	Termination Restoration	Is a part of BIWF Service cancellation in Q.1950	<a href="#">Mandatory</a>
Audit_Values	Audit Value		<a href="#">Mandatory</a>
Audit_Capabilities	Audit Capability		<a href="#">Optional</a>
BIWF_Capability_Change	Capability Update		<a href="#">Optional</a>

**Table 3: Correspondence between Q.1950 call-related transactions and 3GPP TS 23.205 and 23.153 procedures**

Transaction used in Q.1950	Procedure defined in 3GPP TS 23.205 [2] and 23.153 [1]	Comments	Support
Change_Topology	Change Flow Direction		<a href="#">Mandatory</a>
Join	Join Bearer Termination		<a href="#">Mandatory</a>
Isolate	Isolate Bearer Termination		<a href="#">Mandatory</a>
Establish_BNC_Notify+(tunnel)	Establish Bearer		<a href="#">Mandatory</a>
Prepare_BNC_Notify+(tunnel)	Prepare Bearer		<a href="#">Mandatory</a>
Cut_Through	Change Through Connection		<a href="#">Mandatory</a>
Not defined in Q.1950	Activate Interworking Function		<a href="#">Mandatory</a>
Cut_BNC (include several procedures).	Release Bearer (Release Bearer and Release termination)		<a href="#">Mandatory</a>
BNC Established	Bearer Established		<a href="#">Mandatory</a>
BNC Release	Bearer Released		<a href="#">Mandatory</a>
Insert_Tone	Send Tone		<a href="#">Mandatory</a>
Insert_Announcement	Play Announcement		<a href="#">Mandatory</a>
Signal Completion	Announcement Completed		<a href="#">Mandatory</a>
Detect_Digit	Detect DTMF		<a href="#">Mandatory</a>
Insert_Digit	Send DTMF		<a href="#">Mandatory</a>
Digit Detected	Report DTMF		<a href="#">Mandatory</a>
Confirm_Char	Confirm Char		<a href="#">Optional</a>
Modify_Char	Modify Char		<a href="#">Optional</a>
Reserve_Char	Reserve Char		<a href="#">Optional</a>
BNC Modified	Bearer Modified		<a href="#">Optional</a>
Echo Cancellor	Activate Voice Processing Function		<a href="#">Mandatory</a>
BNC Modification failed	Bearer Modified Failed		<a href="#">Optional</a>
Tunnel (MGC-MGW)	Tunnel Information Down		<a href="#">Optional</a>
Tunnel (MGW-MGC)	Tunnel Information Up		<a href="#">Optional</a>
Insert_Tone	Stop Tone		<a href="#">Mandatory</a>
Insert_Announcement	Stop Announcement		<a href="#">Mandatory</a>
Detect_Digit	Stop DTMF Detection		<a href="#">Optional</a>
Insert_Digit	Stop DTMF		<a href="#">Mandatory</a>
Signal Completion	Tone Completed		<a href="#">Optional</a>
Not defined	Reserve Circuit		<a href="#">Mandatory</a>
Not defined	Command Rejected		<a href="#">Mandatory</a>
Not defined	TFO Activation		<a href="#">Optional</a>
Not defined	Codec Modify		<a href="#">Optional</a>
Not defined	Optimal Codec and Distant List_Notify		<a href="#">Optional</a>
Not defined	Distant Codec List		<a href="#">Optional</a>
Modify_Char	Modify Bearer Characteristics		<a href="#">Mandatory</a>
Not defined	Rate Change		<a href="#">Optional</a>
Not defined	Bearer Modification Support		<a href="#">Optional</a>
Not defined	Protocol Negotiation Result		<a href="#">Optional</a>
Reserve_Char	Reserve Bearer Characteristics		<a href="#">Optional</a>
Confirm_Char	Confirm Bearer Characteristics		<a href="#">Optional</a>

**Status:** [Revised to N4-050389](#)

**0389 Requirements for support of procedures**

**Type:** CR 29.232-118r1 Rel-4

**Source:** Vodafone, Ericsson, Nokia, Nortel

**Discussion:**

**Status:** [Revised to N4-050480](#)

**0480 Requirements for support of procedures**  
Type: CR 29.232-118r2 Rel-4  
Source: Vodafone, Ericsson, Nokia, Nortel  
Discussion:  
Status: [Agreed after email approval procedure](#)

**0063 Requirements for support of procedures**  
Type: CR 29.232-119 Rel-5  
Source: Vodafone, Ericsson, Nokia, Nortel  
Discussion: Category F.  
Status: [Revised to N4-050390](#)

**0390 Requirements for support of procedures**  
Type: CR 29.232-119r1 Rel-5  
Source: Vodafone, Ericsson, Nokia, Nortel  
Discussion: Category F.  
Status: [Revised to N4-050481](#)

**0481 Requirements for support of procedures**  
Type: CR 29.232-119r2 Rel-5  
Source: Vodafone, Ericsson, Nokia, Nortel  
Discussion: Category F.  
Status: [Agreed after email approval procedure](#)

**0064 CR 29.232 120 Rel-6; Requirements for support of procedures**  
Type: CR 29.232-120 Rel-6  
Source: Vodafone, Ericsson, Nokia, Nortel  
Discussion:  
Status: [Revised to N4-050391](#)

**0391 CR 29.232 120r1 Rel-6; Requirements for support of procedures**  
Type: CR 29.232-120r1 Rel-6  
Source: Vodafone, Ericsson, Nokia, Nortel  
Discussion:  
Status: [Revised to N4-050482](#)

**0482 CR 29.232 120r2 Rel-6; Requirements for support of procedures**  
Type: CR 29.232-120r1 Rel-6  
Source: Vodafone, Ericsson, Nokia, Nortel  
Discussion:  
Status: [Agreed after email approval procedure](#)

**0081 Specifying Error codes for not supported Descriptors**  
Type: CR 29.232-125 Rel-5  
Source: Nokia  
Discussion:  
Nortel, Alcatel: This error code is covered with H.248 which mean CR is not needed.  
Status: [Withdrawn](#)

**0082 Specifying Error codes for not supported Descriptors**

**Type:** CR 29.232-126 Rel-6

**Source:** Nokia

**Discussion:**

**Status:** [Withdrawn](#)

**0083 Removal of the Error Descriptor usage in NotifyRequest**

**Type:** CR 29.232-127 Rel-5

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0084 Removal of the Error Descriptor usage in NotifyRequest**

**Type:** CR 29.232-128 Rel-6

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0085 Use of corresponding Q.1950 Annex C “Call bearer control- BIWF congestion handling procedures” for MGW Resource congestion handling**

**Type:** CR 29.232-129 Rel-5

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0086 Use of corresponding Q.1950 Annex C “Call bearer control- BIWF congestion handling procedures” for MGW Resource congestion handling**

**Type:** CR 29.232-130 Rel-6

**Source:** Nokia

**Discussion:**

**Status:** [Agreed](#)

**0090 Directionality of tones and announcements**

**Type:** CR 29.232-134 Rel-5

**Source:** Vodafone, Ericsson, Nokia, Nortel

**Discussion:**

**Status:** [Agreed](#)

**0091 Directionality of tones and announcements**

**Type:** CR 29.232-135 Rel-6

**Source:** Vodafone, Ericsson, Nokia, Nortel

**Discussion:**

**Status:** [Agreed](#)

**0097 Text encoding of CodecList in TFO package**

**Type:** CR 29.232-136 Rel-5

**Source:** Nokia

**Discussion:** Alcatel have a CRs on same topic.

[ICM=4.75 value] have to be checked what is the meaning of parameter.

The contents of CR will be added to N4-050392

Status: [Withdrawn](#)

**0098 Text encoding of CodecList in TFO package**

Type: CR 29.232-137 Rel-6

Source: Nokia

Discussion:

Status: [Withdrawn](#)

**0106 Codec encoding**

Type: CR 29.232-143 Rel-4

Source: Alcatel

Discussion:

Status: [Revised to N4-050392](#)

**0392 Codec encoding Alt-1**

Type: CR 29.232-143r1 Rel-4

Source: Alcatel

Discussion:

Alcatel will host email discussion after deadline if CRs aren't approved during email approval procedure.

Status: [Rejected after email approval procedure](#)

**0107 Codec encoding**

Type: CR 29.232 144 Rel-5

Source: Alcatel

Discussion:

Status: [Revised to N4-050393](#)

**0393 Codec encoding Alt-1**

Type: CR 29.232 144 Rel-5

Source: Alcatel

Discussion:

Status: [Rejected after email approval procedure](#)

**0108 Codec encoding**

Type: CR 29.232 145 Rel-6

Source: Alcatel

Discussion:

Status: [Revised to N4-050394](#)

**0394 Codec encoding Alt-1**

Type: CR 29.232 145 Rel-6

Source: Alcatel

Discussion:

Status: [Rejected after email approval procedure](#)

**0421 Codec encoding Alt-2**

Type: CR 29.232-168 Rel-4

Source: Alcatel

Discussion:

**Status:** [Withdrawn](#)

**0422 Codec encoding Alt-2**

**Type:** CR 29.232-169 Rel-5

**Source:** Alcatel

**Discussion:**

**Status:** [Withdrawn](#)

**0423 Codec encoding Alt-2**

**Type:** CR 29.232-170 Rel-6

**Source:** Alcatel

**Discussion:**

**Status:** [Withdrawn](#)

**0216 Announcements**

**Type:** CR 29.232-146 Rel-5

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Alcatel:** The "AV" parameter configuration is not clear enough.

**Vodafone:** We have to indicate that "AV" parameters are implementation basis the network.

**Alcatel** do not want to see "AV" parameter in mandatory part.

Contents of CRis merged with N4-050384.

**Status:** [Withdrawn](#)

**0217 Announcements**

**Type:** CR 29.232-147 Rel-6

**Source:** LM Ericsson, Vodafone

**Discussion:** Contents of CRis merged with N4-050385.

**Status:** [Withdrawn](#)

**0218 Commands on ROOT**

**Type:** CR 29.232-89 Rel-5

**Source:** LM Ericsson

**Discussion:**

**Status:** [Revised to N4-050395](#)

**0395 Commands on ROOT**

**Type:** CR 29.232-89r1 Rel-5

**Source:** LM Ericsson

**Discussion:**

**Status:** [Agreed](#)

**0219 Commands on ROOT**

**Type:** CR 29.232-148 Rel-6

**Source:** LM Ericsson

**Discussion:**

**Status:** [Revised to N4-050396](#)

**0396 Commands on ROOT**

**Type:** CR 29.232-148r1 Rel-6

**Source:** LM Ericsson

**Discussion:**

**Status:** [Agreed](#)

**0220 Use Of Audit Value**

**Type:** CR 29.232-86r4 Rel-5

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Revised to N4-050406](#)

**0406 Use Of Audit Value**

**Type:** CR 29.232-86r5 Rel-5

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Agreed](#)

**0221 Use Of Audit Value**

**Type:** CR 29.232-149 Rel-6

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Revised to N4-050407](#)

**0407 Use Of Audit Value**

**Type:** CR 29.232-149 Rel-6

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Agreed](#)

**0222 Service Change Reasons**

**Type:** CR 29.232-150 Rel-5

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Agreed](#)

**0223 Service Change Reasons**

**Type:** CR 29.232-151 Rel-6

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Agreed](#)

**0224 Termination Out-of-Service and Termination Restoration**

**Type:** CR 29.232-152 Rel-5

**Source:** LM Ericsson, Vodafone

**Discussion:** Ericsson, Alcatel: Out of service case can't be done by termination.

Nortel: There is a need for note to clarify 1TDM.

Nokia believes Out of Service Termination is needed on specification and they can't agree proposed change to Rel-5.

**Status:** [Revised to N4-050408](#)

**0408 Termination Out-of-Service and Termination Restoration**

**Type:** CR 29.232-152r1 Rel-5

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Rejected after email approval procedure](#)

**0225 Termination Out-of-Service and Termination Restoration**

**Type:** CR 29.232-153 Rel-6

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Revised to N4-050409](#)

**0409 Termination Out-of-Service and Termination Restoration**

**Type:** CR 29.232-153r1 Rel-6

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Rejected after email approval procedure](#)

**0226 Descriptors In Replies**

**Type:** CR 29.232-154 Rel-5

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Alcatel:** Text should cover the possibility that tunnelled IBB CP info might be returned.

**Status:** [Revised to N4-050410](#)

**0410 Descriptors In Replies**

**Type:** CR 29.232-154r1 Rel-5

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Agreed](#)

**0227 Descriptors In Replies**

**Type:** CR 29.232-155 Rel-6;

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Revised to N4-050411](#)

**0411 Descriptors In Replies**

**Type:** CR 29.232-155r1 Rel-6;

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Agreed](#)

**0228 Introduction Of Formal Profile**

**Type:** CR 29.232-156 Rel-5

**Source:** LM Ericsson, Vodafone

**Discussion:** **Chairman:** The changes aren't backward compatibility for Rel-4.

**Nokia:** We should add a new chapter on topic.



**Nokia, Siemens, Nortel** would like to see a new profile as optional instead of mandatory.

**Nokia:** In Rel-6 H.248 provide mechanism to handle profile negotiation.

After discussion **Ericsson** can accept the changes in Rel-5 as optional.

**Nokia** doesn't want to see changes as mandatory in Rel-6.

**Meeting** agree that this meeting profile is agreed as optional. **Ericsson** will provide a discussion paper in CN4#27 to describe how to make changes mandatory in Rel-6.

**Status:** [Revised to N4-050412](#)

#### **0412 Introduction Of Formal Profile**

**Type:** CR 29.232-156r1 Rel-5

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Agreed](#)

#### **0229 Introduction Of Formal Profile**

**Type:** CR 29.232-157 Rel-6

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Revised to N4-050413](#)

#### **0413 Introduction Of Formal Profile**

**Type:** CR 29.232-157r1 Rel-6

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Agreed](#)

#### **0230 Service Change For Failover**

**Type:** CR 29.232-87r4 Rel-5

**Source:** CN Plenary

**Discussion:**

**Status:** [Agreed](#)

#### **0231 Service Change For Failover**

**Type:** CR 29.232-158 Rel-6

**Source:** CN Plenary

**Discussion:**

**Status:**

#### **0232 VPF Type Removal**

**Type:** CR 29.232-159 Rel-4

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Agreed](#)

#### **0233 VPF Type Removal**

**Type:** CR 29.232-160 Rel-5

**Source:** LM Ericsson, Vodafone

**Discussion:**

**Status:** [Agreed](#)

#### **0234 VPF Type Removal**

Type: CR 29.232-161 Rel-6  
Source: LM Ericsson, Vodafone  
Discussion:  
Status: [Agreed](#)

#### **0235 Alignment of TFO Activation Procedure**

Type: CR 29.232-162 Rel-4  
Source: LM Ericsson, Vodafone  
Discussion:  
Status: [Agreed](#)

#### **0236 Alignment of TFO Activation Procedure**

Type: CR 29.232-163 Rel-5  
Source: LM Ericsson, Vodafone  
Discussion:  
Status: [Agreed](#)

#### **0237 Alignment of TFO Activation Procedure**

Type: CR 29.232-164 Rel-6  
Source: LM Ericsson, Vodafone  
Discussion:  
Status: [Agreed](#)

### **8.7 AOB Release 5 and earlier**

No documents on topic.

## **9 GSM maintenance**

No documents on topic.

## **10 AOB**

#### **0007 INFO; List of approved output documents**

Type: INFO  
Source: CN4 chairman  
Discussion:  
Status:

## **11 Update of the Work Plan**

#### **0274 Work Plan**

Type: DISC  
Source: MCC  
Discussion:  
Status: [Agreed](#)

## **12 Future meetings**

## 0275 Future Meetings

Type: INFO  
Source: MCC  
Discussion:  
Status: **Noted**

## 13 Check of approved output documents

### 0007 Output documents from CN4#26

Type: Approval  
Source: Chairman  
Discussion:  
Status: **Approved**

## 14 Closing of the meeting (17:53 Friday)

## ANNEX A: OUTPUT MATERIAL

### A.1 Liaisons Approved

Tdoc	Tdoc Title	LS to	LS cc	LS Attachment
N4-050383	LS on 3GPP Diameter allocations for Gx interface	CN3		N4-050204
N4-050344	Reply to Reply LS on Need for the IMSI at the PDG	SA3 LI		
N4-050462	LS Response to LS on Allocation of Diameter Command Codes and AVP codes	T2		
N4-050466	LS on Cooperation with TISPAN NGN for IMS-CS MGW protocol	ETSI TISPAN	CN, CN3	N4-050239
N4-050431	LS on Clarification on deletion of "Subscribed Charging Characteristics"	SA5		N4-050430
N4-050450	LS on Mandating functionality in WLAN ANs	SA1, SA2, SA5		
N4-050452	Access to Liberty Alliance data schemas	Liberty Alliance (LAP)		
N4-050478	Addition to WLAN Stage 2 Ruling Wn Out of Scope for 3GPP	SA2		N4-050123
N4-050479	Reply LS on Impact of Shared User Identities on the Sh Interface	SA5	SA2	

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

Tdoc #	Title	Source	Notes
N4-05			
0427	TS 29.240 1.1.0 GUP Stage 3	Lucent	

### A.3 Approved updated WIDs send to plenary

None

### A.4 Endorsed WIDs

<b>TDoc #</b>	<b>Title</b>	<b>Source</b>
<b>N4-05</b>		
0348	WID Rel-7; Trace Management, stage 3, IMS, update	CN1
0448	WID REL-7; VGCS...	CN1

## A.5 Approved CRs

<b>TDoc #N4-05</b>	<b>Title</b>	<b>Source</b>
0040	CR 29.232 096 R; Corrections to table 14.2	Vodafone, Ericsson, Nokia, Nortel
0041	CR 29.232 097 Rel-5; Corrections to table 14.2	Vodafone, Ericsson, Nokia, Nortel
0042	CR 29.232 098 Rel-6; Corrections to table 14.2	Vodafone, Ericsson, Nokia, Nortel
0046	CR 29.232 102 Rel-4; Completion of specification of UMTS Packages	Vodafone, Ericsson, Nokia, Nortel
0049	CR 29.232 105 Rel-5; Correction of implied option for Embedded Signals and Events	Vodafone, Ericsson, Nokia, Nortel
0050	CR 29.232 106 Rel-6; Correction of implied option for Embedded Signals and Events	Vodafone, Ericsson, Nokia, Nortel
0056	CR 29.232 112 Rel-5; Removal of the Multiplex descriptor	Vodafone, Ericsson, Nokia, Nortel
0057	CR 29.232 113 Rel-6; Removal of the Multiplex descriptor	Vodafone, Ericsson, Nokia, Nortel
0058	CR 29.232 114 Rel-5; Removal of the Modem descriptor	Vodafone, Ericsson, Nokia, Nortel
0059	CR 29.232 115 Rel-6; Removal of the Modem descriptor	Vodafone, Ericsson, Nokia, Nortel
0067	CR 29.109 010 Rel-6; GAA Error Codes	Nokia, Siemens, Huawei
0083	CR 29.232 127 Rel-5; Removal of the Error Descriptor usage in NotifyRequest	Nokia
0084	CR 29.232 128 Rel-6; Removal of the Error Descriptor usage in NotifyRequest	Nokia
0085	CR 29.232 129 Rel-5; Use of corresponding Q.1950 Annex C "Call bearer control- BIWF congestion handling procedures" for MGW Resource congestion handling	Nokia
0086	CR 29.232 130 Rel-6; Use of corresponding Q.1950 Annex C "Call bearer control- BIWF congestion handling procedures" for MGW Resource congestion handling	Nokia
0087	CR 29.232 131 Rel-6; Removal of Signals on ROOT	Nokia
0088	CR 29.232 132 Rel-6; Removal of usage of Stream ID in Topology descriptor	Nokia
0089	CR 29.232 133 Rel-6; H.248.1 version contradiction	Nokia
0090	CR 29.232 134 Rel-5; Directionality of tones and announcements	Vodafone, Ericsson, Nokia, Nortel
0091	CR 29.232 135 Rel-6; Directionality of tones and announcements	Vodafone, Ericsson, Nokia, Nortel
0093	CR 23.003 097 Rel 6; Clarification of the TMGI	Vodafone
0094	CR 29.109 011 Rel-6; Only one AV from HSS to BSF	Nokia, Siemens
0095	CR 29.109 012 Rel-6; Clarification of LifeTime/ExpiryTime terminology	Nokia, Siemens
0119	CR 29.328 112 Rel-5; Align UML Model and the XML schema for Public Identity	Lucent Technologies
0120	CR 29.328 113 Rel-6; Align UML Model and the XML schema for Public Identity	Lucent Technologies
0121	CR 29.329 065 Rel-5; Incorrect AVP Code for Public-Identity in Table 6.3.1	Lucent Technologies
0123	CR 29.234 31 Rel-6; Removal of Wn reference point Definition from the Stage 3	Lucent Technologies
0124	CR 29.234 32 Rel-6; Wa Interface RADIUS profile corrections	TeliaSonera, Ericsson
0125	CR 29.234 33 Rel-6; Wd Interface RADIUS profile corrections	TeliaSonera, Ericsson
0127	CR 29.234 35 Rel-6; Information Element corrections on Wd	TeliaSonera
0128	CR 29.010 112 Rel-6; Correction of partly implemented CR 108	Vodafone
0132	CR 29.060 530 R; Update of references to PS charging specification	Vodafone
0137	CR 29.060 531 Rel 6; Providing the BM-SC with approximate UE location information at MBMS context activation	Vodafone
0147	CR 29.228 165 Rel-5; Avoiding undesired deregistration	Nokia
0148	CR 29.228 166 Rel-6; Avoiding undesired deregistration	Nokia
0151	CR 29.328 117 Rel-5; Sh Diameter AVP Mapping Correction	Nokia
0152	CR 29.328 118 Rel-6; Sh Diameter AVP Mapping Correction	Nokia
0154	CR 29.229 78 Rel-6; TEL-URI reference update	Nokia
0156	CR 23.153 87 Rel-4; Removal of AMR-WB codec	Siemens
0157	CR 23.153 88 Rel-5; Correction of the condition for the insertion of a transcoder	Siemens
0158	CR 23.153 89 Rel-6; Correction of the condition for the insertion of a transcoder	Siemens
0166	CR 29.234 43 Rel-6; Editorial corrections	HUAWEI
0170	CR 29.060 539 Rel-6; Correction of Type values	Alcatel

0184	CR 29.060 544 Rel-6; Addition of RIM Routing Address for GERAN	LM Ericsson
0197	CR 29.228 172 Rel-6; Distribution of Cipher key and integrity Key	Nortel
0204	CR 29.230 43 Rel-6; Allocations for Gx interface	Nokia
0205	CR 23.205 55 Rel-5; Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3	Nokia
0206	CR 23.205 56 Rel-6; Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3	Nokia
0211	CR 23.018 144 Rel-6; Management Based Activation Impacts	Ericsson
0212	CR 29.002 749 Rel-6; Management Based Activation Impacts	Ericsson
0222	CR 29.232 150 Rel-5; Service Change Reasons	LM Ericsson, Vodafone
0223	CR 29.232 151 Rel-6; Service Change Reasons	LM Ericsson, Vodafone
0230	CR 29.232 87 Rel-5; Service Change For Failover	CN Plenary
0231	CR 29.232 158 Rel-6; Service Change For Failover	CN Plenary
0232	CR 29.232 159 Rel-4; VPF Type Removal	LM Ericsson, Vodafone
0233	CR 29.232 160 Rel-5; VPF Type Removal	LM Ericsson, Vodafone
0234	CR 29.232 161 Rel-6; VPF Type Removal	LM Ericsson, Vodafone
0235	CR 29.232 162 Rel-4; Alignment of TFO Activation Procedure	LM Ericsson, Vodafone
0236	CR 29.232 163 Rel-5; Alignment of TFO Activation Procedure	LM Ericsson, Vodafone
0237	CR 29.232 164 Rel-6; Alignment of TFO Activation Procedure	LM Ericsson, Vodafone
0279	CR 29.230 40 Rel-6; WLAN Diameter AVP and result codes	Ericsson
0295	CR 29.230 45 Rel-6 Allocations for Gmb	Nokia
0298	CR 23.067 012r1 Rel-6; Clarification on mapping of eMLPP priorities	NEC
0299	CR 23.205 045 Rel-6; Addition of the Trace package	Nokia
0304	CR 29.232 060 Rel-6; Addition of the Trace package	Nokia
0305	CR 29.060 470 Rel-6; Additional Trace information	Nokia
0306	CR 23.008 134 Rel-6; Adding trace control and configuration parameters to subscriber data in HSS	Nokia
0308	CR 23.012 19 Rel-6; Management Based Activation Impacts	Ericsson
0309	CR 29.060 543 Rel-6; Management Based Trace Activation Signalling	LM Ericsson
0311	CR 29.230 046; Allocations for MMS, MM10 Interface	Nortel
0314	CR 29.328 111 Rel-6; Clarification on requested identity set	Siemens
0318	CR 29.329 063 Rel-5; Sh-Update needs to include Data-Reference to be future proof	Lucent
0319	CR 29.329 064 Rel-6; Sh-Update needs to include Data-Reference to be future proof	Lucent
0320	CR 29.328 115 Rel-5; Conditional Service indication in Sh-Subs-Notif	Ericsson
0321	CR 29.328 116 Rel-6; Conditional Service indication in Sh-Subs-Notif	Ericsson
0324	CR 29.329 56 Rel-5; Introduction of Failed AVP	Nortel
0325	CR 29.329 57 Rel-6; Introduction of Failed AVP	Nortel
0331	CR 29.228 164 Rel-5; HSS initiates deregistration	Orange
0336	CR 29.229 81 Rel-5; Introduction of Failed AVP	Nortel
0337	CR 29.229 82 Rel-6; Introduction of Failed AVP	Nortel
0338	CR23.008 143 Rel-6; Add reference to implicitly registered public user identities set definitions	Orange
0339	CR 23.003 93r3 Rel-6; CR on WLAN Alternative NAI	RIM
0340	CR 29.060 547 Rel-6; Enhanced NSAPI for MBMS	LM Ericsson
0341	CR 29.060 546 Rel-6; Adding missing parameters to the MBMS Session Start Request message	LM Ericsson
0342	CR 29.060 549 Rel-6; change of newly added IEs in Rel-6 to type TLV	Vodafone
0345	CR 29.234 30 Rel-6; Removal of material duplicating 23.234 in 29.234	Lucent Technologies
0347	CR 29.234 34 Rel-6; Removal of unnecessary attributes on Wa	TeliaSonera
0349	CR 29.234 37 Rel-6; Editorial corrections	Ericsson
0351	CR 29.234 38 Rel-6; Description of the RADIUS session termination procedure	Ericsson
0352	CR 29.234 39 Rel-6; WLAN Diameter AVP and result codes	Ericsson
0353	CR 29.234 41 Rel-6; WLAN Diameter AVP table and chapters coherence revision	Ericsson
0354	CR 29.234 42 Rel-6; PDG behaviour on Wm interface	Nokia
0357	CR 29.234 47 Wa Interface RADIUS profile Information Element corrections	TeliaSonera
0358	CR 29.109 013 Rel-6; Application identifiers to Z-interfaces	Nokia, Siemens
0359	CR 29.109 14 Rel-6; Modification of key lifetime material	Nokia
0361	CR 23.078 762 Rel-6 r1; CR 693 not implemented	Ericsson
0362	CR 29.278 48 rev1 Rel-5; Correction of IETF Reference in TS 29.278	Lucent
0363	CR 29.278 49 rev 1Rel-6; Correction of IETF Reference in TS 29.278	Lucent
0364	CR 24.030 022 Rel-6; Miss alignment with stage 2 on reuse mechanism	NEC
0365	CR 24.080 043 Rel-6; Miss alignment with stage 2 on reuse mechanism	NEC
0366	CR 24.030 23 rev1 Rel-6; Pseudonym indicator support in MO-LR	HUAWEI
0367	CR 24.080 44 Rel-6; Pseudonym indicator support in MO-LR	HUAWEI
0369	CR 29.002 761 Rel-6; Addition of LAI to SendIdentification Request	Siemens

0376	CR 29.232 110 Rel-5; Removal of the usage of ContextAttributeAuditReq	Vodafone, Ericsson, Nokia, Nortel
0377	CR 29.232 111 Rel-6; Removal of the usage of ContextAttributeAuditReq	Vodafone, Ericsson, Nokia, Nortel
0384	CR 29.232 099r1 Rel-4; Requirements for support of H.248 packages	Vodafone, Ericsson, Nokia, Nortel
0385	CR 29.232 100r1 Rel-5; Requirements for support of H.248 packages	Vodafone, Ericsson, Nokia, Nortel
0386	CR 29.232 101r1 Rel-6; Requirements for support of H.248 packages	Vodafone, Ericsson, Nokia, Nortel
0387	CR 29.232 103 Rel-5; Completion of specification of UMTS Packages	Vodafone, Ericsson, Nokia, Nortel
0388	CR 29.232 104 Rel-6; Completion of specification of UMTS Packages	Vodafone, Ericsson, Nokia, Nortel
0395	CR 29.232 89 Rel-5; Commands on ROOT	LM Ericsson
0396	CR 29.232 148 Rel-6; Commands on ROOT	LM Ericsson
0399	CR 29.060 550 Rel-6; correction to radio priority LCS IE	Vodafone
0402	CR 29.232 140 Rel-4; TFO activation without TFO Codec List	Alcatel
0403	CR 29.232 141 Rel-5; TFO activation without TFO Codec List	Alcatel
0404	CR 29.232 142 Rel-6; TFO activation without TFO Codec List	Alcatel
0405	CR 23.205 57 Rel-4; Solving contradiction for Release Cause in Release Bearer Procedure between stage 2 and stage 3	Nokia
0406	CR 29.232 86 Rel-5; Use Of Audit Value	LM Ericsson, Vodafone
0407	CR 29.232 149 Rel-6; Use Of Audit Value	LM Ericsson, Vodafone
0410	CR 29.232 154 Rel-5; Descriptors In Replies	LM Ericsson, Vodafone
0411	CR 29.232 155 Rel-6; Descriptors In Replies	LM Ericsson, Vodafone
0412	CR 29.232 156 Rel-5; Introduction Of Formal Profile	LM Ericsson, Vodafone
0413	CR 29.232 157 Rel-6; Introduction Of Formal Profile	LM Ericsson, Vodafone
0414	CR 29.232 138 Rel-6; New 'TFO status' event	Alcatel
0416	CR 29.232 166 Rel-4; TFO procedure clarification	Alcatel
0417	CR 29.232 167 Rel-5; TFO procedure clarification	Alcatel
0418	CR 29.232 139 Rel-6; TFO procedure clarification	Alcatel
0419	CR 29.332 1 Rel-6; Formal Profile Of Mn Interface	LM Ericsson
0429	CR 29.060 528 Rel 6; Clarification to error handling of IEs of type TV	Vodafone
0430	CR 29.002 760 Rel-6; Charging Characteristics	Siemens
0432	CR 29.060 535 Rel-6; Clarification of IPv4 and IPv6 node addresses in the SRNS Relocation Procedure.	HUAWEI
0433	CR 29.060 536 Rel-6; Support of IPv4 and IPv6 node addresses in Inter-SGSN RAU procedure	HUAWEI
0434	CR 29.060 537 Rel-6; Add the Common Flags IE to GGSN-Initiated Update PDP Context Request message	HUAWEI
0439	CR 29.060 533 Rel-5; Add Source RNC PDCP context info IE in Forward SRNS Context message	HUAWEI
0440	CR 29.060 534 Rel-6; Add Source RNC PDCP context info IE in Forward SRNS Context message	HUAWEI
0441	CR 29.060 541 Rel-5; Clarification of PCO IE in Update PDP context response	LM Ericsson
0442	CR 29.060 540 Rel-6; Clarification of PCO IE in Update PDP context response	LM Ericsson
0443	CR 29.060 538r1 Rel-6; Addition of Selected PLMN-ID for network sharing	Alcatel, TeliaSonera
0444	CR 29.002 759 Rel-6; Addition of TCAP-Handshake for MO-ForwardSM	Siemens, T-Mobile
0445	CR 23.012 018 R; Introduction of Hop Counter for Send Identification	Siemens
0446	CR 29.002 745 Rel-6; Introduction of Hop Counter for Send Identification	Siemens, Vodafone
0447	CR 29.060 529 Rel-6; Introduction of Hop Counter to Identification Request and SGSN Context Request	Siemens, Vodafone
0456	CR 29.229 77r1 Rel-5; Correction of Authentication-related AVPs	Alcatel
0457	CR 29.229 78r1 Rel-6; Correction of Authentication-related AVPs	Alcatel
0458	CR 29.328 98 Rel-5; Sh-Update needs to include Data-Reference to be future proof	Lucent Technologies, Nortel, France Telecom, Ericsson, Vodafone
0459	CR 29.328 99 Rel-6; Sh-Update needs to include Data-Reference to be future proof	Lucent Technologies, Nortel, France Telecom, Ericsson, Vodafone
0461	CR 29.328 122r1 Rel-6; Multiple Terminals in Sh	Nokia, Vodafone, Ericsson, HP, Nortel
0463	CR 29.002 738 Rel-6r8; Rel-6 trace management additions to trace activation and deactivation procedures	Nokia
0467	CR 29.002 763 Rel-6; Pseudonym indicator support in MO-LR	HUAWEI
0470	CR 23.153 085 Rel-6; New 'TFO status' event	Alcatel
0471	CR 29.232 165 Rel-6; Introduction of COT	LM Ericsson
0472	CR 23.205 051 Rel-5; Stage 2 Procedure for Emergency Call Indication	Nokia
0473	CR 23.205 052 Rel-6; Stage 2 Procedure for Emergency Call Indication	Nokia
0474	CR 29.232 121 Rel-5; Procedure for Emergency Call Indication	Nokia
0475	CR 29.232 122 Rel-6; Procedure for Emergency Call Indication	Nokia
0476	CR 29.232 107 Rel-5; Removal of the 'Test' ServiceStates value from the TerminationState Descriptor Events	Vodafone, Ericsson, Nokia, Nortel
0477	CR 29.232 108 Rel-6; Removal of the 'Test' ServiceStates value from the TerminationState Descriptor Events	Vodafone, Ericsson, Nokia, Nortel
0480	CR 29.232 118 Rel-4; Requirements for support of procedures	Vodafone, Ericsson, Nokia, Nortel
0481	CR 29.232 119 Rel-5; Requirements for support of procedures	Vodafone, Ericsson, Nokia, Nortel
0482	CR 29.232 120 Rel-6; Requirements for support of procedures	Vodafone, Ericsson, Nokia, Nortel

0323	CR 29.328 121 Rel-6; Clarification of Sh Access Keys	HP, Ericsson Vodafone, Nokia, Nortel
0334	CR 29.228 167 Rel-5; Correction to authentication procedures in not registered case	Nokia, Ericsson, Vodafone, HP, France Telecom, Nortel
0322	CR 29.328 120 Rel-5; Clarification of Sh Access Keys	HP, Ericsson Vodafone, Nokia, Nortel
0335	CR 29.228 168 Rel-6; Correction to authentication procedures in not registered case	Nokia, Ericsson, Vodafone, HP, France Telecom, Nortel
0460	CR 29.228 170 Rel-6; Clarification of Behaviour of Shared Public User Identities	Nortel, Nokia, Vodafone
0465	CR 29.332 2 Rel-6; Corrections to Mn Specification	LM Ericsson

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