



## **Third Generation Partnership Project**

### **MEETING REPORT v3.0.0**

#### **3GPP TSG-CN4#23bis**

Helsinki, FINLAND.

21<sup>st</sup> – 23<sup>rd</sup> June, 2004

**Hosted by:**

**NOKIA**

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# 1 Opening of the meeting and approval of the agenda

## 1.1 IPR call

The Chairman drew attention to Members' obligations under the 3GPP Partner Organizations' IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.

**NP-040761 Preliminary agenda for CN4 #23bis: CN4 chairman**

**Discussion:**

**Status:** [Revised to N4-040762](#)

**NP-040762 Detailed agenda & time plan for CN4 #23bis: status at document deadline, CN4 chairman**

**Discussion:**

**Status:** [Revised to N4-040763](#)

**NP-040763 Detailed agenda & time plan for CN4 #23bis: status on eve of meeting, CN4 chairman**

**Discussion:**

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

## 2 Allocation of documents to agenda items

**NP-040764 Proposed allocation of documents to agenda items for CN4 #23bis: status at document deadline, CN4 chairman**

**Discussion:**

**Status:** [Revised to N4-040765](#)

**NP-040765 Proposed allocation of documents to agenda items for CN4 #23bis: status on eve of meeting, CN4 chairman**

**Discussion:**

**Status:**

## 3 Meeting Reports

## 4 Input liaison statements:

**NP-040800 Input LS - to: Rel-6; LS on Re-use of RADIUS attributes within the 3gpp specific vendor id, CN3**

**Discussion:**

**Status:** [Postponed to 5.4](#)

**NP-040801 Input LS - to: Rel-6; Comments on Physical Storage of GUP components, SA1**

**Discussion:**

**Status:** [Postponed to 5.1](#)

**NP-040802** Input LS - to: Rel-6; LS on WLAN Charging Identifiers, SA1

**Discussion:**

**Status:** [Postponed to 5.2](#)

**NP-040803** Input LS - - Rel-6; Reply LS on Managing of Metadata: New Procedures vs. Metadata GUP Components, SA2

**Discussion:**

**Status:** [Postponed to 5.1](#)

**NP-040804** Input LS - to: Rel-6; Reply to LS on Provisioning Function for Physical Storage of GUP components, SA2

**Discussion:**

**Status:** [Postponed to 5.1](#)

**NP-040805** Input LS - to: Rel-6; Reply LS on Transfer of T2 GUP TS's, SA2

**Discussion:**

**Status:** [Postponed to 5.1](#)

**NP-040806** Input LS - cc: Rel-6; Reply LS on GUP security status in SA3 and on collaboration of 3GPP and Liberty Alliance Project, SA2

**Discussion:**

**Status:** [Postponed to 5.4](#)

**NP-040807** Input LS - cc: Rel-6; LS on the flexibility of filtering of register request, SA2

**Discussion:**

**Status:** [Postponed to 5.5](#)

**NP-040808** Input LS - to: Rel-6; LS on GUP security status in SA3 and on collaboration of 3GPP and Liberty Alliance Project, SA3

**Discussion:**

**Status:** [Postponed to 5.1](#)

**NP-040809** Input LS - cc: Rel-6; LS on non-compliance to IMS security, SA3

**Discussion:**

**Status:** [Postponed to 5.5](#)

**NP-040810** Input LS - cc: Rel-6; Reply LS on Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0, SA3

**Discussion:**

**Status:** [Postponed to 5.2](#)

**NP-040822** Input LS - to: Rel-6; LS on Assignment of the Diameter codes and identifiers, SA5

**Discussion:**

**Status:** [Postponed to 5.4](#)

## **5 Release 5 and 6**

### **5.1 Generic User Profile**

**NP-040801** Input LS - to: Rel-6; Comments on Physical Storage of GUP components, SA1

**Discussion:**

**Status:** **NOTED**

**NP-040803** **Input LS - - Rel-6; Reply LS on Managing of Metadata: New Procedures vs. Metadata GUP Components, SA2**

**Discussion:**

**Lucent:** SA2 opinion is that it is CN4 matter to make any decision on this topic.

**Status:** **NOTED**

**NP-040804** **Input LS - to: Rel-6; Reply to LS on Provisioning Function for Physical Storage of GUP components, SA2**

**Discussion:**

**Status:** **NOTED**

**NP-040805** **Input LS - to: Rel-6; Reply LS on Transfer of T2 GUP TS's, SA2**

**Discussion:** 3GPP TS 23.241 and 3GPP TS 24.241 are under CN4 control after CN#24. Mrs. Yvette Koza from T-Mobile will be an editor for 3GPP TS 23.241. An editorship for 3GPP TS 24.241 is still open.

**Status:** **NOTED**

**NP-040806** **Input LS - cc: Rel-6; Reply LS on GUP security status in SA3 and on collaboration of 3GPP and Liberty Alliance Project, SA2**

**Discussion:**

**Status:** **NOTED**

**NP-040808** **Input LS - to: Rel-6; LS on GUP security status in SA3 and on collaboration of 3GPP and Liberty Alliance Project, SA3**

**SA3 wants to inform that the following issues are still under investigation:**

- The impacts of using client certificates need to be studied in case the GUP requestor over Rg-interface is a UE. GBA (Generic Bootstrapping Architecture) based client authentication may possibly be used in this case.
- The impact of potential double encryption needs to be studied by SA3.
- Which specification would be suitable for specifying security for the Rg reference point.
- Potential profiling of the Liberty Alliance Project ID-WSF security solution in the scope of GUP security.
- Potential alignments of terminology in 3GPP and Liberty Alliance Project specifications.
- Use of Liberty Alliance Project Privacy mechanisms.

**Discussion:**

**Lucent:** What does this mean. The input of LS is not clear on Lucent.

**Lucent:** Should we reference 3GPP security documents or Liberty Alliance documentation? For us it would be more easier if we reference only 3GPP security document.

CN4 is waiting more contribution from SA3 in CN4#24.

**Status:** **NOTED**

**NP-040767** **DISC; TS 29.240, Clarification of the Main concept and General Guidelines, Nokia**

**Discussion:**

**Lucent:** The same document was rejected in CN4#23 because in that time CN4 meeting didn't see proposed text clear enough.

CN4 agreed to add only a sentence: "The framework, procedures, SOAP binding and security solutions of GUP are based on the Liberty Alliance Project work." in the chapter 4.

**Status:** **REVISED to N4-040825**

**NP-040825** **DISC; TS 29.240, Clarification of the Main concept and General Guidelines, Nokia**

**Discussion:** **Will be added in 29.240.**

**Status:** **AGREED without presentation**

**NP-040768** **DISC; TS 29.240, Initial Rg reference point description, Nokia**

**Discussion:** **Orange:** What is the most important interface: Rg or Rp?

**Nokia:** The interfaces are quite similar.

**Lucent:** All the actions are initiated to Rg interface, because "action" starts from there. Difference between Rp and Rg interface use are in handling of Metadata.

**Lucent:** The splitting is mention only in 8.1.4. It should be also added in all other sub-section (8.1.1, 8.1.2 and 8.1.3).

**Vodafone:** The exception (in chapter 8.1.4) doesn't tell in which interface is it valid; Rg or Rp interface?

**Ericsson:** This exception is valid for Rg.

**Nokia:** Query procedure is the only process which can be splitted.

**Lucent:** We do not need this exception (8.1.4) or it should be added in all cases.

**Nokia** agreed to delete exception in section 8.1.4.

**Vodafone:** The end of sections we should add "see section 9.x.x".

**Lucent:** The Rg and Rp interfaces are different on sementic and procedual point of view.

**Vodafone:** Use of word "identical" means data is exactly same. Vodafone believe this is necessary not true in Rp and Rg interfaces.

**Lucent:** More clarification is needed on wording identical and almost identical.

**Orange** would like to see Rg interface defined and Rp interface should be referenced on it.

**Nokia:** What we should define first are procedures. Some point are missing or not defined in chapter 8.1. Missing things should be added in editor's note.

**Lucent:** Actions are always triggered by Rg request. On logical point of view we should define Rg interface first. The way they are presented in current proposal is wrong.

**Ericsson** argee with Lucent that Rg interface is more important.

**CN4** agreed that differences between Rg and Rp should be clearly defined.

Document will be revised during drafting session.

**Status:** **REVISED to N4-040826**

**NP-040826** **DISC; TS 29.240, Initial Rg reference point description, Nokia**

**Discussion:** The document is withdrawn. It's partly covered with **N4-040828**.

**Status:** **WITHDRAWN**

**NP-040828** **DISC; GUP Rg and Rp interface Specification for TS 29.240; CN4 Drafting Group**

**Discussion:** This is the agreed output of the CN4 drafting session on Monday evening. It proposes a restructuring of the existing Rg and Rp sections to the following headings and format.

**Status:** **AGREED**

**NP-040769** **DISC; TS 29.240, Update of Rp reference point descriptions, Nokia**

**Discussion:** Chapter 5.4.3

**Lucent:** We have agreed before that GCLRef is mandatory. MinOccurs should not be changed 0.

"If ComponentType is missing the GCLRef must contain also the GUP Component namespace. Otherwise the component data elements may be directly addressed." will be removed.

In XML example, GCLRef and ComponentType should be in same level.

**Nokia:** ComponentType is defined but not in this chapter.

**Status:** **REVISED to N4-040829**

**NP-040829 DISC; TS 29.240, Update of Rp reference point descriptions, Nokia**

**Discussion:** The changes are related on chapter 2 and 5 of N4-040769.

**Status:** **AGREED**

**NP-040770 DISC; TS 29.240, Update of SOAP related definitions, Nokia**

**Discussion:** **Lucent** challanged the need of inserted text in chapter 9. They believe that to refer Liberty Alliance document should be enough.

**Ericsson:** This is a good starting point and we should continue work based on this. CN4 decided to add editor's notes in chapter 9:

"Wether the GUP framework will support a subset of SOAP headres defined by the SOAP specification and also by Liberty ID-WSF SOAP Binding Specification [14] is FFS. Additionally some GUP specific SOAP headers may also be required FFS. The implementation is FFS." and

"Namespaces for SOAP headers are FFS."

**Status:** **REVISED to N4-040830**

**NP-040830 DISC; TS 29.240, Update of SOAP related definitions, Nokia**

**Discussion:** CN4 agreed to add proposed changes in the new version of 29.240.

**Status:** **AGREED**

**NP-040771 DISC; TS 29.240, Authorization, Nokia**

**Discussion:** **Lucent:** Key idea of GUP was that Authentication, authorization and security Should be implement only in one place.

**Ericsson:** Requirements are coming from stage 1 and stage 2. We have to fullfill the requirements.

**Lucent:** Do we have extra authorization rules or are all coming from privacy policy?

**Nokia:** We believe that everything is related to privacy policy but we can't quarantee it.

Editorial changes were made in chapter 10.1.3.

**Lucent:** Editor's note should be added in chapter 10.1.3. Authorization should be done only in GUP server level and stage 2 specification needs to be updated.

**Nokia:** It's not CN4 job to restrict authorization only in one place.

**Orange:** LS is needed to SA2.

**Status:** **REVISED to N4-040832**

**NP-040831 Output LS on Authorization, Lucent**

**Discussion:**

**Status:** **REVISED to N4-040834**

**NP-040834 Output LS on Authorization, Lucent**

**Discussion:**

**Status:** **APPROVED**

**NP-040772**    **DISC; TS 29.240, HSS IMS GUP Component definition completion, Nokia**  
**Discussion:**  
**Status:**        **REVISED to N4-040833**

**NP-040833**    **DISC; TS 29.240, HSS IMS GUP Component definition completion, Nokia**  
**Discussion:**    Changes will be added in the new version of 29.240  
**Status:**        **AGREED**

**NP-040773**    **DISC; TS 29.240, GUP Procedures Schema, Nokia**  
**Discussion:**    **Nokia:** XML schema file have to be updated because of changes in this meeting.  
                  **Lucent and Orange:** We should not agree XML schema in this point. We should wait and check that mapping is correct when we have agreed the content of text in this specification.  
                  **CN4** agreed with Lucent's proposal to agree XML-schema in future meetings.  
**Status:**        **NOTED**

**NP-040774**    **INFO; Open issues in 29.240, Nokia**  
**Open Issues:** The following issues were identified to be still open in 3GPP TS 29.240 in CN4#23 meeting in Zagreb:  
                  - bandwidth saving and performance solution, could be the compression method provided by ITU converting XML schema to ASN.1  
                  - character set(s) supported by XML  
                  - detailed security solution(s)  
                  - how physical storage location, access control and billing are implemented to GUP stage 3  
                  - which parts of Liberty Alliance documentation are referred and how they are used  
                  - how and when to refer 23.241 in 29.240

**Discussion:**  
**Status:**        **NOTED**

**NP-040789**    **DISC - - Rel-6; TS 29.240, Authorization solution, Nokia**  
**Discussion:**    **CN4** agreed the document in principle.  
**Status:**        **AGREED**

**NP-040790**    **DISC - - ; Metadata Management for Rp/Rg interfaces, Lucent Technologies**  
**Discussion:**    **Nokia:** The right target of this paper is SA2.  
                  **Chairman:** The LS statement from SA2 informed CN4; please do, SA2 will follow CN4 after decision.  
                  **Ericsson** agree we have to make decision in this meeting. The proposed list of consequences in solution 1 is not correct.  
                  **Nokia:** Renew procedures are not needed. Basic procedures are enough, because it doesn't matter if it's data or metadata.  
                  **Lucent:** Liberty Alliance doesn't specify anything about metadata. We believe this is important to have different set of procedures when we do not know what metadata includes.  
                  **Ericsson:** Only difference in this proposal is that if we introduce this new components procedure becomes more complicated.  
                  **Orange and Lucent** are favour of this proposal when **Nokia and Ericsson** have a different proposal where only a one data component is needed.



CN4 meeting couldn't agree and find a solution.  
Nokia: Component type will tell what is a meaning of component.

Status: **NOTED**

NP-040792 **DISC - - Rel-6; Using SOAP Fault in GUP, Ericsson**

Discussion:

Status: **WITHDRAWN**

NP-040836 **3GPP TS 29.240 v0.4.0**

Discussion:

Status: **REVISED to N4-040851**

NP-040851 **3GPP TS 29.240 v0.4.1**

Discussion: **Lucent:** Maybe phone congress is needed to check some editorials to get better basic for the next meeting.

Will be used as basic for future work.

Comments before 2<sup>nd</sup> July 18:00 CET on CN4 email reflector.

Status: **EMAIL approval; AGREED**

## **5.2 Wireless LAN interworking**

NP-040802 **Input LS - to: Rel-6; LS on WLAN Charging Identifiers, SA1**

Discussion:

Status: **NOTED**

NP-040810 **Input LS - cc: Rel-6; Reply LS on Request for Comments on Wi-Fi Alliance Public Access MRD draft v1.0, SA3**

Discussion:

Status: **NOTED**

NP-040775 **CR 23.003 - Rel ; Decorated NAI, Nokia**

Discussion:

Status: **REVISED to N4-040823**

NP-040823 **CR 23.003 - Rel ; Decorated NAI, Nokia**

Discussion:

Status: **REVISED to N4-040827**

NP-040827 **CR 23.003 - Rel ; Decorated NAI, Nokia**

Discussion:

Status: **AGREED**

NP-040791 **DISC 29.234 - Rel-; Addition of Master Session Key to Wa/Wd interface, Nokia**

Discussion:

Status: **WITHDRAWN**

NP-040793 **DISC - - Rel-6; SLF introduction into the WLAN architecture, Ericsson**

Discussion:

**Lucent:** Editor's note have to be changed as NOTE.

**Ericsson:** " SLF the Cx requests" have to be " SLF the Wx requests".

**Vodafone:** The last sentence of first paragraph should be removed.

**Vodafone:** "always" should be replace with "only" in second paragraph.

Status: **REVISED to N4-040847**

**NP-040847**    **DISC - - Rel-6; SLF introduction into the WLAN architecture, Ericsson**  
**Discussion:**  
**Status:**        **AGREED**

**NP-040794**    **DISC - - Rel-6; Disconnecting a Subscriber by Online Charging System, Ericsson**  
**Discussion:**    **France Telecom:** We should send LS to SA2 to clarify if HSS needs to be aware about the reason why user is de-registered.  
LS to SA2 **N4-040848**  
**Status:**        **POSTPONED to CN4#24**

**NP-040848**    **LS on On-line charging Disconnection Procedure; Ericsson**  
**Discussion:**  
**Status:**        **APPROVED**

**NP-040795**    **DISC 29.234 - Rel-6; Usage of DER/DEA messaging for authentication on Wm, Nokia**  
**Discussion:**    **France Telecom:** Any authentication mechanism can be used which are relaying EAP.  
Editorial changes were made in different chapters.  
**Status:**        **REVISED to N4-040849**

**NP-040849**    **DISC 29.234 - Rel-6; Usage of DER/DEA messaging for authentication on Wm, Nokia**  
**Discussion:**    Agreed to incorporated to new draft.  
**Status:**        **AGREED**

**NP-040796**    **DISC 29.234 - Rel-6; Usage of ASR/ASA on Wm, Nokia**  
**Discussion:**    Editorial changes were made in different chapters.  
**Status:**        **REVISED to N4-040852**

**NP-040852**    **DISC 29.234 - Rel-6; Usage of ASR/ASA on Wm, Nokia**  
**Discussion:**    Agreed to incorporated to new draft.  
**Status:**        **AGREED**

**NP-040797**    **DISC 29.234 - Rel-6; Usage of STR/STA on Wm, Nokia**  
**Discussion:**    Editorial changes were made in different chapters.  
**Status:**        **REVISED to N4-040853**

**NP-040853**    **DISC 29.234 - Rel-6; Usage of STR/STA on Wm, Nokia**  
**Discussion:**    Agreed to incorporated to new draft.  
**Status:**        **AGREED**

**NP-040798**    **DISC 29.234 - Rel-6; Usage of AAR/AAA on Wm for authorization,policy download and routing policy upload on the Wm, Nokia**  
**Discussion:**    Editorial changes made; proposed by **Lucent** and **Ericsson**  
**Status:**        **REVISED to N4-040850**

**NP-040850**    **DISC 29.234 - Rel-6; Usage of AAR/AAA on Wm for authorization,policy download and routing policy upload on the Wm, Nokia**  
**Discussion:**    Agreed to incorporated to new draft.

**Status:** **AGREED**

**NP-040799** **DISC 29.234 - Rel-6; MSISDN passed to the VPLMN and WLAN-AN for charging purposes, Nokia**

**Discussion:** **Ericsson:** Wa part should be removed from CR.  
LS to SA5 regarding MSISDN requirements for Wa-interface. (N4-040855)

**Status:** **REVISED to N4-040854**

**NP-040854** **DISC 29.234 - Rel-6; MSISDN passed to the VPLMN and WLAN-AN for charging purposes, Nokia**

**Discussion:**

**Status:** **AGREED**

**NP-040855** **Output LS on MSISDN requirements for Wa-interface; Nokia to SA5**

**Status:** **APPROVED**

**NP-040856** **3GPP TS 29.234 v1.5.0; Nokia**

**Discussion:** The TS will be available 29<sup>th</sup> June 18:00 CET.  
Objections should be raised before 2<sup>nd</sup> July 18:00 CET.

**Status:** **EMAIL approval; AGREED**

### **5.3 Diameter Version control**

**NP-040788** **CR 29.229 047 Rel-5; Forward Compatibility, Siemens**

**Discussion:** The CR will be withdrawn if CR 29.229-058 is approved.

**Status:** **WITHDRAWN**

**NP-040815** **CR 29.229 058 Rel-6; Application version control, Nokia**

**Discussion:**

**Status:** **REVISED to N4-040824**

**NP-040824** **CR 29.229 058r1 Rel-6; Application version control, Nokia**

**Discussion:** CN4 meeting decided to change **Vendor-ID** and **Feature-List-ID** as mandatory.

**Nokia:** In normal case the Diameter agent shall return the result code DIAMETER\_UNABLE\_TO\_DELIVER and it may return the list of the application identifiers, which are supported by the destination host of the request application message.

Editorial changes are made in chapter 7.x.1.

Chapter 7.1.x will be deleted. This is a principle of work CN4 is already doing and there are no need to specify this in specification.

**Vodafone:** A table 7.1.y; the last column (Version of the TS) is not needed.

Chapter 7.x.1 was modified after long discussion.

**Status:** **REVISED to N4-040837**

**NP-040837** **CR 29.229 058r2 Rel-6; Application version control, Nokia**

**Discussion:** If no objection during email discussion CR will be approved.

CR will be available 24<sup>th</sup> June 18:00 CET.

Objection and comments before 2<sup>nd</sup> July 18:00 CET.

CR was approved. No objections were raised during email approval procedure.

**Status:** **EMAIL approval; AGREED**

**NP-040816**    **CR 29.229 059 Rel-5; Application version control, Nokia**  
**Discussion:**    Siemens agrees a concept of CR but they can't accept CR, because Supported-Features AVP is not described in Rel-5 specification.  
- "Supported-Features" were deleted from proposed text.  
CN4 agreed to delete everything from chapter 7.1 except the first sentence.  
**Vodafone:** CR is needed also against 29.329 Rel-5 on same topic.  
**Status:**        **REVISED to N4-040838**

**NP-040838**    **CR 29.229 059r1 Rel-5; Application version control, Nokia**  
**Discussion:**    CR is approved under condition CR 29.229-058 is approved..  
**Status:**        **AGREED**

**NP-040839**    **CR 29.229 047 Rel-5; Application version control, Nokia**  
**Discussion:**    CR is approved under condition CR 29.229-058 is approved..  
**Status:**        **AGREED**

**NP-040817**    **CR 29.329 046 Rel-6; Application version control, Nokia**  
**Discussion:**      
**Status:**        **REVISED to N4-040840**

**NP-040840**    **CR 29.329 046 Rel-6; Application version control, Nokia**  
**Discussion:**      
**Status:**        **AGREED**

#### **5.4 Diameter coordination**

**NP-040800**    **Input LS - to: Rel-6; LS on Re-use of RADIUS attributes within the 3gpp specific vendor id, CN3**  
**Discussion:**    CN4 agreed that more discussion is needed before any decisions can be made about reusing of Radius attributes. Discussion will continue on CN4 reflector.  
**Status:**        **Postponed to CN4#24**

**NP-040822**    **Input LS - to: Rel-6; LS on Assignment of the Diameter codes and identifiers, SA5**  
**Discussion:**      
**Status:**        **Postponed to CN4#24**

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

**NP-040807**    **Input LS cc: Rel-6; LS on the flexibility of filtering of register request, SA2**  
**Discussion:**      
**Status:**        **NOTED**

**NP-040835**    **Input LS cc: Rel-6; LS on the flexibility of filtering of register request, CN1**  
**Discussion:**    **Lucent:**  
**Nokia:** There are different solution to solve this problem and one of them is to add a new SPT, which tells if we want to trigger initial REGISTER messages or all REGISTER messages. Solution proposed by CN1 will not work properly.  
CN4 decided to continue discussion on email reflector and appropriate proposal will be handled and decided in CN4#24 and CN1#35.  
**Status:**        **Postponed to CN4#24**

**NP-040809**    **Input LS - cc: Rel-6; LS on non-compliance to IMS security, SA3**  
**Discussion:**  
**Status:**        **NOTED**

**NP-040776**    **DISC; Form of Public User Identity when accessing the**  
**HSS, Lucent Technologies**  
**Discussion:**  
**Status:**        **NOTED**

**NP-040777**    **CR 29.229 054 Rel-5; Form of Public User Identity, Lucent Technologies**  
**Discussion:**  
**Status:**        **WITHDRAWN**

**NP-040778**    **CR 29.229 055 Rel-6; Form of Public User Identity, Lucent Technologies**  
**Discussion:**  
**Status:**        **WITHDRAWN**

**NP-040779**    **CR 29.329 040 Rel-5; Public-Identity is unspecified for the Sh interface, Lucent**  
**Technologies**  
**Discussion:**  
**Status:**        **REVISED to N4-040841**

**NP-040841**    **CR 29.329 040r1 Rel-5; Public-Identity is unspecified for the**  
**Sh interface, Lucent Technologies**  
**Discussion:**    Email approval till 2<sup>nd</sup> July  
Editorial changes were made during email approval procedure.  
-    In the table the new AVP needs to be marked 6.3.xx instead of 6.3.10 and the  
cover page shall mention 6.3.xx instead of 6.3.10.  
**Status:**        **EMAIL approval; Revised to N4-040857**

**NP-040857**    **CR 29.329 040r2 Rel-5; Public-Identity is unspecified for the**  
**Sh interface, Lucent Technologies**  
**Discussion:**  
**Status:**        **AGREED**

**NP-040780**    **CR 29.329 041 Rel-6; Public-Identity is unspecified for the**  
**Sh interface, Lucent Technologies**  
**Discussion:**  
**Status:**        **REVISED to N4-040842**

**NP-040842**    **CR 29.329 041r1 Rel-6; Public-Identity is unspecified for the**  
**Sh interface, Lucent Technologies**  
**Discussion:**    Email approval till 2<sup>nd</sup> July  
Editorial changes were made during email approval procedure.  
-    In the table the new AVP needs to be marked 6.3.xx instead of 6.3.10 and the  
cover page shall mention 6.3.xx instead of 6.3.10.  
**Status:**        **EMAIL approval; Revised to N4-040858**

**NP-040858**    **CR 29.329 041r2 Rel-6; Public-Identity is unspecified for the**  
**Sh interface, Lucent Technologies**  
**Discussion:**

**Status:** **AGREED**

**NP-040781 CR 29.329 042 Rel-5; Incorrect Data-Reference AVP in Subscriber Notification Answer Command, Lucent Technologies**

**Discussion:**

**Status:** **AGREED**

**NP-040782 CR 29.329 043 Rel-6; Incorrect Data-Reference AVP in Subscriber Notification Answer Command, Lucent Technologies**

**Discussion:**

**Status:** **AGREED**

**NP-040783 CR 29.329 044 Rel-5; Single Public\_Identity required in Grouped User-Identity AVP, Lucent Technologies**

**Discussion:** **Siemens:** Also the star on "MSISDN" should be affected on this CR.

**Nokia:** It would be easier to accept the CRs in the future if error situation would be clearly described.

**Status:** **REVISED to N4-040843**

**NP-040843 CR 29.329 044r1 Rel-5; Single Public\_Identity required in Grouped User-Identity AVP, Lucent Technologies**

**Discussion:** Email approval till 2<sup>nd</sup> July

CR was approved. No objections were raised during email approval procedure.

**Status:** **EMAIL approval; AGREED**

**NP-040784 CR 29.329 045 Rel-6; Single Public\_Identity required in Grouped User-Identity AVP, Lucent Technologies**

**Discussion:**

**Status:** **REVISED to N4-040844**

**NP-040844 CR 29.329 045r1 Rel-6; Single Public\_Identity required in Grouped User-Identity AVP, Lucent Technologies**

**Discussion:** Email approval till 2<sup>nd</sup> July

CR was approved. No objections were raised during email approval procedure.

**Status:** **EMAIL approval; AGREED**

**NP-040785 CR 29.228 092 Rel-5; Downloading the user profile based on User-Data-Request-Type, Lucent Technologies**

**Discussion:**

**Status:** **Postponed to CN4#24**

**NP-040786 CR 29.228 093 Rel-6; Downloading the user profile based on User-Data-Request-Type, Lucent Technologies**

**Discussion:**

**Status:** **Postponed to CN4#24**

**NP-040787 DISC;Improvements to efficiency of PPR, Siemens**

**Discussion:** **Operators** believe this is a good optimisation to do like proposed by Siemens.

- Proposal was supported by Vodafone and Orange.

**Nokia:** The proposal is good, but not were good for implementation. We don't need to transport data we could modify it. User specific information can be in HSS, but common information update can be done in serving S-CSCF.

**Nokia:** The updating the shared data is not something which is clearly indented to be done in Siemens proposal.

In Nokia counter proposal data are stored in HSS and S-CSCF.

**Nokia:** User specific filters are in HSS. New commands can be added to Cx if we don't want to store data in S-CSCF.

**Ericsson:** Concept of using filters fails with Siemens proposal.

**Operators** would like to see optimasation in Rel-6.

**Ericsson:** We are going to change working assumption, sharing user profiles. We should inform SA2

**Vodafone:** Stage 2 doesn't say anything about user profile format. This is only implementation issue.

**Ericsson** has a strong view that changes planned by CN4 create changes in stage 2 requirements.

- Other companies didn't see reasons which effect stage 2 requirements.

**Nokia** has a counter proposal to solve issue.

**CN4 meeting** agreed that document will be a starting point for further development.

The proposal will be submitted to CN4#24

**Status:** **NOTED**

**NP-040811 CR 29.228 116 Rel-5; User profile split, Nokia, Ericsson**

**Discussion:** **Vodafone:** Vodafone/Siemens counter proposal is N4-040820.

**Lucent** is favour of **Nokia/Ericsson** proposal.

To remove: un-registered, registered and common part are supported by **HP,**

**Vodafone, Siemens.**

**Ericsson** is a favour of user profile split.

**Ericsson:** One other side we say that we want to improve implementation and on the other side we are saying that we want to improve optimasation.

**Nokia:** We could always download complite Userprofile and the S-CSCF to decided which parts it needs and which part it stores. The identification of unregistered, registered and common part could be used as basic.

**Ericsson:** During email discussion we decided that we should have both complite profile and split profile. Ericsson don't understand why do we have to agree something else now.

**Siemens:** The proposal we have found during meeting is a kind of compromise.

**CN4** meeting decided that N4-040820 is counter proposal.

**Vodafone** will produce a new draft CR and send it to CN4 reflector.

**Status:** **Postponed to CN4#24**

**NP-040812 CR 29.228 117 Rel-6; User profile split, Nokia, Ericsson**

**Discussion:**

**Status:** **Postponed to CN4#24**

**NP-040813 CR 29.229 056 Rel-5; User profile split, Nokia, Ericsson**

**Discussion:**

**Status:** **Postponed to CN4#24**

**NP-040814 CR 29.229 057 Rel-6; User profile split, Nokia, Ericsson**

**Discussion:**

**Status:** **Postponed to CN4#24**

**NP-040818 CR 29.228 109r2 Rel-5; LIR and services related to unregistered state, Nokia**

**Discussion:**

**Nokia:** When there is a public identity which has state "unregistered" and has no services related to unregistered state and the public identity receives a terminating session, the I-CSCF sends a LIR command to the HSS. 3GPP TS 23.228 section 5.12.2 requires that the HSS should respond with a LIA command containing an indication that the public identity is unregistered, and has no services related to unregistered state. The same applies also to the "not registered" state.

**Ericsson:** This CR is in line with stage 2 and should be agreed.

**France Telecom:** We have different understanding about unregistered state. CR is not correct and acceptable because it's not align with stage 2.

After 3 hours discussion CN4 agreed CR with re-wording of consequences if not approved. Small editorial changes were made in chapter 6.1.4.1.

**Status:**

**REVISED to N4-040845**

**NP-040845 CR 29.228 109r3 Rel-5; LIR and services related to unregistered state, Nokia**

**Discussion:****Status:**

**AGREED**

**NP-040819 CR 29.228 118 Rel-6; LIR and services related to unregistered state, Nokia**

**Discussion:****Status:**

**REVISED to N4-040846**

**NP-040846 CR 29.228 118r1 Rel-6; LIR and services related to unregistered state, Nokia**

**Discussion:****Status:**

**AGREED**

**NP-040820 CR 29.228 119 Rel-5; Correction to allow full functionality of User Profile download to be utilised, Vodafone, Siemens**

**Discussion:**

**Lucent** support another approach provided by Nokia and Ericsson (N4-040811).

**Siemens:** At the beginning it looked like that user profile split is a good solution. Now it has turned out that concept is not clear. The proposal gives more effort for implementation. Siemens would like to remove user profile split and/or make it optional.

**Status:**

**Postponed to CN4#24**

**NP-040821 CR 29.228 120 REL ; Correction to allow full functionality of User Profile download to be utilised, Vodafone, Siemens**

**Discussion:****Status:**

**Postponed to CN4#24**

## 6 AOB

## 7 Check of approved output documents

**NP-040766 List of approved output documents, CN4 chairman**

**Discussion:****Status:**

**APPROVED**

## 8 Closing of the meeting



# ANNEX A: OUTPUT MATERIAL

## A.1 Liaisons Approved

Tdoc	Tdoc Title	LS to	LS cc	LS Attachment
N4-040834	Authorization Logic and the Entities Involved	SA2		
N4-040848	LS on On-line charging Disconnection Procedure	SA2		
N4-040855	LS on use of MSISDN in WLAN-AN	SA5		

## A.2 Approved CRs

Tdoc #	Title	Source
<b>N4-04</b>		
0781	Incorrect Data-Reference AVP in Subscriber Notification Answer Command	Lucent Technologies
0782	Incorrect Data-Reference AVP in Subscriber Notification Answer Command	Lucent Technologies
0827	Decorated NAI	Nokia
0837	Application version control	Nokia
0838	Application version control	Nokia
0839	Application version control	Nokia
0840	Application version control	Nokia
0843	Single Public_Identity required in Grouped User-Identity AVP	Lucent Technologies
0844	Single Public_Identity required in Grouped User-Identity AVP	Lucent Technologies
0845	LIR and services related to unregistered state	Nokia
0846	LIR and services related to unregistered state	Nokia
0857	Public-Identity is unspecified for the Sh interface	Lucent Technologies
0858	Public-Identity is unspecified for the Sh interface	Lucent Technologies

## A.3 Email Approval CRs

The following CR are under email approval. The CRs will be approved on **Friday 2<sup>nd</sup> July 18:00 CET** if there are no objections.

- 837, 843, 844 were approved after email approval procedure.
- 841 and 842 were revised as 857 and 858.

Tdoc #	Title	Source
<b>N4-04</b>		
0837	Application version control	Nokia
0841	Public-Identity is unspecified for the Sh interface	Lucent Technologies

0842	Public-Identity is unspecified for the Sh interface	Lucent Technologies
0843	Single Public_Identity required in Grouped User-Identity AVP	Lucent Technologies
0844	Single Public_Identity required in Grouped User-Identity AVP	Lucent Technologies

**A.4 New TSs /TRs Approved**

<b>Tdoc #</b>	<b>Title</b>	<b>Source</b>	<b>Notes</b>
<b>N4-04</b>			

**A.4 New / Revised Work Items Approved**

<b>Tdoc #</b>	<b>Title</b>	<b>Source</b>
<b>N4-04</b>		

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