3GPP TSG CN Meeting #27 **NP-050097**
9th - 11th March 2005. Tokyo, Japan.

Source: **MCC**

Title: **All LSs send from CN3 since CN#26 Meeting**

Agenda item: **6.3.1**

Document for: **INFORMATION**

Introduction:

This document contains all the LSs APPROVED and sent by CN3 since the last CN Plenary.

Tdoc	Title	LS To	LS Cc	Attachment
N3-050135	Allocation of 3GPP specific AVP numbers and Experimental Result codesfor Gx	CN4		
N3-050151	LS on completion of network initiated SCUDIF support	RAN3	RAN, CN	
N3-050193	Reply LS on removal of Ry reference point	SA, SA2		
N3-050205	LS Out tracing information for MBMS services	SA	SA5	

3GPP TSG CN WG3 Meeting #35 N3-050135
Sydney, Australia, 14 - 18 February 2005

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

Release: Rel 6
Work Item: Gx interface specification for flow based charging

Source: CN3
To: CN4

Contact Person:
Name: Juha Räsänen
E-mail Address: **juha.a.rasanen@nokia.com**

Attachments: none

---

1. Overall description

CN3 has allocated the CN4 granted 3GPP specific AVP numbers as follows to the Gx interface defined in TS 29.210:

AVP Code	Attribute Name	Data Type (defined in RFC 3588	Specified in the TS
1000	Bearer-Usage	Enumerated	29.210 [15]
1001	Charging-Rule-Install	Grouped	
1002	Charging-Rule-Remove	Grouped	
1003	Charging-Rule-Definition	Grouped	
1004	Charging-Rule-Base-Name	OctetString	
1005	Charging-Rule-Name	OctetString	
1006	Event-Trigger	Enumerated	
1007	Metering-Method	Enumerated	
1008	Offline	Enumerated	
1009	Online	Enumerated	
1010	Precedence	Unsigned32	
1011	Primary-CCF-Address	DiameterURI	
1012	Primary-OCS-Address	DiameterURI	
1013	RAT-Type	Enumerated	
1014	Reporting-Level	Enumerated	
1015	Secondary-CCF-Address	DiameterURI	
1016	Secondary-OCS-Address	DiameterURI	
1017	TFT-Filter	IPFilterRule	
1018	TFT-Packet-Filter-Information	Enumerated	
1019	ToS-Traffic-Class	OctetString	

CN3 has allocated the CN4 granted 3GPP specific Experimental Result Codes of type Permanent Failures as follows to the Gx interface defined in TS 29.210:

Experimental Result Code	Result text	Specified in the TS
5140	DIAMETER_ERROR_INITIAL_PARAMETERS	29.210 [15]
5141	DIAMETER_ERROR_TRIGGER_EVENT	

2. Actions

CN3 kindly asks CN4 to add these allocations to TS 29.230.

3. Date of Next CN3 Meeting

CN3#36	25-29 April 2005, Cancun, Mexico

3GPP TSG-CN WG3 Meeting #35 **N3-050193**
Sydney, Australia. 14th - 18th February 2005.

Title:	**[DRAFT] Reply LS on removal of Ry reference point**
Response to:	**LS (N3-050131/ S2-050478) on removal of Ry reference point from SA2**
Release:	**Rel-6**
Work Item:	**CH-FBC**
Source:	**CN3**
To:	**SA, SA2**

Contact Person:
Name: Thomas Belling
Tel. Number: +49 89 636 75207
E-mail Address: Thomas.Belling@siemens.com

---

1. Overall Description:

CN3 thanks SA2 for the information provided in their LS.

CN3 has updated the scope of their stage 3 specification TS 29.211 by removing the Ry reference point in accordance with the SA2 CR S2-050477.

As requested, CN3 has studied if the removal of the Ry reference point leads to stage 3 implementation problems from a Release 6 point of view. Apart from the required update in the scope Section of TS 29.211, no further stage 3 implications have been identified.

CN3 therefore suggests to TSG SA to approve the CR S2-050477, which has been agreed by SA2 under the condition that it does not lead to stage 3 implementation problems.

2. Actions:

To TSG SA group.

ACTION: CN3 suggests to TSG SA to approve the CR S2-050477.

3. Date of Next CN3 Meetings:

CN3_36	25th - 30th April 2005	Cancun, MX
CN3_37	29th August- 2nd September 2005	London, UK

3GPP TSG-CN WG3 Meeting #35 **N3-050151**
Sydney, Australia. 14th - 18th February 2005.

Title: **LS on network-initiated SCUDIF support**
Release: **Rel-6**

Source: **CN3**
To: **RAN3**
CC: **RAN, CN**

Contact Person:
Name: Thomas Belling
Tel. Number: +49 89 636 75207
E-mail Address: Thomas.Belling@siemens.com

---

1. Overall Description:

CN3 would like to inform RAN3 that CN3 agreed in principle to use the enhanced RANAP signalling, as proposed by RAN3, as trigger for the network-initiated downgrade from multimedia to speech when degrading resources or radio conditions require such a change. CN3 will endeavour to agree the corresponding CR during their present meeting CN3#35.

However, CN3 did not yet agree a solution for a network-initiated upgrade from speech to multimedia. CN3 anticipates that this issue can not be finalised before the next TSG plenaries.

CN3 therefore asks RAN3 to approve CRs implementing only the part of their proposal for network-initiated SCUDIF support that relates to a downgrade to an alternate configuration with lower bandwidth requirements.

Among other possible solutions for a network-initiated upgrade from speech to multimedia, it has been proposed but not yet agreed in CN3 that the RANAP solution should be able to keep the network and/or UE constantly informed on the availability of resources for a multimedia call while the UE is engaged in SCUDIF speech mode. This implies that the notifications from the RNC would inform the network and/or UE that the Multimedia capability is no longer available (RAN may have informed the network that multimedia was available but then later that the conditions had deteriorated again). The user may or may not decide to initiate an upgrade when receiving such notifications. CN3 would like to ask RAN3 to answer the following related questions:

- Does the current RANAP solution support this possible requirement?
- If not is it possible to provide such notifications via RANAP by other means?
- Would a polling type solution be more suitable from RAN3's perspective?
- Is it possible to provide such notifications directly to the UE via RRC?

2. Actions:

To RAN3 group.

ACTION: **1.** CN3 asks RAN 3 to approve CRs implementing only the part of their proposal for network-initiated SCUDIF support that relates to a downgrade to an alternate configuration with lower bandwidth requirements.
2. Furthermore, CN3 asks RAN 3 to answer the above questions relating to notifications about the availability of radio resources.

3. Date of Next CN3 Meetings:

CN3_36	25th - 30th April 2005	Cancun, MX
CN3_37	29th August- 2nd September 2005	London, UK

TSG-CN WG3 #35 **N3-050205**
Sydney, Australia, 14 - 18 February 2005

Title: **LS on Tracing information for MBMS services**
Release: **Rel-6**
Work Item: **MBMS**

Source: **CN3**
To: **SA**
Cc: **SA5**

Contact Person:
Name: Nico Gabriele
Tel. Number: +441635 673956
E-mail Address: Nico.Gabriele (at) vodafone.com

---

1. Overall Description:

CN3 has discussed the need to introduce tracing information for MBMS services over the Gmb interface specified in Rel-6. Although this is a useful functionality that would allow the operator to monitor the performance of various entities in the network, at present there is no stage 2 requirement to perform the described functionality at the BM-SC for MBMS services.

The tracing information to be sent to the BM-SC is already present at the GGSN.This information is sent by the SGSN in the Create MBMS Context Request and Update MBMS Context Request. In order to be able to perform tracing, this information should be sent to the BM-SC in an AAR message when the GGSN seeks authorization for the user.

CN3 would like to ask SA if it is feasible to include the requirement for tracing capability at the BM-SC level within the Rel-6 timeframe. At CN3 #35, a CR was proposed to complete the required changes to the Gmb interface (ref. document N3-050077). The CR could not be agreed due to lack of stage 2 requirement. So the only outstanding work on this subject would be to complete the work to specify a stage 2 requirement, and then to approve the referenced CR (or similar) in CN3 #36. This process should take no more than one meeting cycle and so the feature would be completed in time for Plenary approval in June 2005.

2. Actions:

To SA group.

ACTION:

CN3 asks SA to grant an exemption for Rel-6 for the completion of work to introduce tracing capability to the Gmb interface. The exemption would extend the timescales for this work to June 2005.

3. Date of Next TSG-WG3 Meetings:

CN3#36	25 – 29 April 2005 Cancun, Mexico
CN3#37	29th August – 2nd September 2005 London, United Kingdom