NP-040470

3GPP TSG-CN WG3 Meeting #34 Seoul. KOREA. 15th to 19th November 2004. N3-040884

Title: LS on CN3 impacts on Early IMS Security mechanisms

Source: CN₃ To: SA₃ Cc: CN

Contact Person:

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Attachments: N3-040881 - Account Request for Early IMS security, N3-040882 - Disconnect Request

for Early IMS security.

1. Overall Description:

CN3 discussed and considered as technically correct 2 CRs on aspects of early IMS systems. CN3 has identified a number of impacts on the GGSN inter-actions defined in 3GPP TS 29.061. These have been documented in the attached contributions, N3-040881 and N3-040882.

CN3 was not able to decide where best to document the information included in the above documents. Whilst the information is relevant to GGSN inter-actions as part of the IMS clause of TS 29.061 and so could be incorporated in this specification, it seemed inappropriate to do this when the intention of Early IMS Security is to be something that is used early in IMS deployment, whilst TS 29.061 is a normative specification. Alternatively, the information could be included in TR 33.878. This may seem appropriate and would result in the full detail of the Early IMS Security implementation being held in a single document, if a similar approach were adopted by other groups handling stage 3 details.

CN3 has a preference for the inclusion of this information in TR33.878, but asks SA3 to decide where the documentation of GGSN inter-action impacts as a result of Early IMS Security is best addressed.

2. Actions:

To SA3 group.

ACTION: CN3 asks SA3 to consider the information within N3-040881 and N3-040882 and either to include it within TR33.878 or inform CN3 that the content of N3-040881, N3-040882 should be added to TS 29.061.

3. Date of Next CN4 Meetings:

14th - 18th February 2004 CN3#35 Sydney, AUSTRALIA 25th - 29th April 2004 CN3#36 Cancun, MEXICO

3GPP TSG-CN WG3 Meeting #34

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

CHANGE REQUEST												
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For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the % symbols.												
Proposed change affects: UICC apps# ME Radio Access Network Core Network X												
Title:	₩ <mark>Ac</mark>	count requ	est for early IMS	S security.								
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Reason for	-	usage of Currentle part of the	urrently defining f the Radius Acc y most of the pa ne Radius reque	counting Re trameters a ests needs t	equests for re option to be clar	or inter-action al, the informa ified.	with the IMS ation to be pa	core. ssed as				
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Consequen			ion to be passed to stage 2.	d to IMS co	re will no	t be defined a	and stage 3 w	ill not be				
Clauses afformation of the Control o		Y N X Ot X Te	13.a2.2 her core specifications M Specification	3	*							
Other comn	nents: #	8										

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked \$\mathbb{H}\$ contain pop-up help information about the field that they are closest to.

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

13bba.2.2.4 Radius Accounting requests for Early IMS authentication.

When receiving an Activate PDP Context Request message, based on operator policy, a GGSN supporting early IMS security shall send an "Accounting-Request START" message to a AAA server attached to the HSS. The message shall include the mandatory fields defined in section 16.4.3 and the UE's IP address, MSISDN, IMSI.

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

CHANGE REQUEST											
*	TS 29.06	61 CR	136	жrev	3 **	Current vers	ion: 6.2.0	æ			
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the 策 symbols.											
Proposed change affects: UICC apps# ME Radio Access Network Core Network X											
Title:	第 Disconnect request for early IMS security.										
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Work item co	ode: Ж TE	16				Date: ₩	15/11/2004				
Category: # F Use one of the following categories: # Correction Use one of the following categories: # Correction Use one of the following categories: # Correction Use one of the following categories: # Ph2 (GSM Pha A (corresponds to a correction in an earlier release) # R96 (Release of the following categories on the following cat											
Reason for change: SA3 is currently defining procedures for Early IMS security. This requiusage of the Radius Disconnect Request for inter-action with the IMS Radius disconnect could be used by operators to tear down PDP cont the user is de-registered.							with the IMS co	ore.			
Summary of change: # A sub clause to the IMS specific procedures is added to define behaviour for early IMS authentication.							lefine the GGS	SN			
Consequence not approve		The HSS wiregistered.	II not be able	to tear do	wn the P	DP context if	the user is de-				
Clauses affe	ected: #	Section 13.	a2.2								
Other specs affected:	*	X Test s	core specifica pecifications Specifications								
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13a.2.2.5 Radius Disconnect requests for Early IMS authentication.

When receiving a Radius Disconnect Request, as defined in section 16.4.9, from the AAA server attached to the HSS, a GGSN with Early IMS security enabled by operator configuration shall follow the AAA initiated PDP context termination procedure described in section 16.3.4.choosing the option of deleting the PDP context.