3GPP TSG CT Plenary Meeting #28 **CP-050088**
1st – 3rd June 2005 Quebec, Canada.

Source: TSG CT WG4

Title: Corrections on IP-based multimedia services on Diameter coodrination

Agenda item: 9.1

Document for: APPROVAL

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050725	29.230	050		Rel-6	Gx interface allocation correction	F	6.3.0

3GPP TSG-CT WG4 Meeting #27 **C4-050725**
Cancun, MEXICO. 25th to 29th April 2005.

CR-Form-v7.1

CHANGE REQUEST

⌘ **29.230** **CR** **050** ⌘ **rev** **-** ⌘ Current version: **6.3.0** ⌘

*For **HELP** 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 ☒

Title:	⌘	Gx interface allocation correction
Source:	⌘	Nokia
Work item code:	⌘	TEI6
Date:	⌘	24/04/2005
Category:	⌘	**F**
Release:	⌘	Rel-6

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

Ph2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*
Rel-7	*(Release 7)*

Reason for change:	⌘	3GPP TS 29.320 allocates 3GPP AVP-code for RAT-Type AVP. However, this AVP is not used by Gx (3GPP TS 29.210). Gx uses 3GPP-RAT-Type defined in 3GPP TS 29.061.
Summary of change:	⌘	RAT-Type AVP is deleted and the codes for the other AVPs are adjusted accordingly.
Consequences if not approved:	⌘	Two AVP-codes for the same purpose may lead to interoperability problems.

Clauses affected:	⌘	7.1			
Other specs affected:	⌘	**Y** / **N**	Other core specifications	⌘	3GPP TS 29.210 CR 011
		X /	Other core specifications		
		/ **X**	Test specifications		
		/ **X**	O&M Specifications		
Other comments:	⌘				

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 ⌘ 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.

7.1 3GPP specific AVP codes

The 3GPP specific AVPs have the Vendor-Specific bit ('V' bit) set in the AVP header and they carry the 3GPP's vendor identifier in the Vendor-ID field of the AVP header. The 3GPP specific AVP codes are presented in the following table.

Table 7.1: 3GPP specific AVP codes

AVP Code	Attribute Name	Data Type	Specified in the 3GPP TS
Note: The AVP codes from 1 to 255 are reserved for backwards compatibility with 3GPP RADIUS Vendor Specific Attributes (See TS 29.061 [13])			
Note: The AVP codes from 256 to 299 are reserved for future use.			
300	Authentication-Method		29.234 [6]
301	Authentication-Information-SIM		
302	Authorization -Information-SIM		
303	WLAN-User-Data		
304	Charging-Data		
305	WLAN-Access		
306	WLAN- 3GPP-IP-Access		
307	APN-Authorized		
308	APN-Id		
309	APN-Barring-Type		
310	WLAN-Direct-IP-Access		
311	Session-Request-Type		
312	Routing-Policy		
313	Max-Requested-Bandwidth		
314	Charging-Characteristics		
315	Charging-Nodes		
316	Primary-OCS-Charging-Function-Name		
317	Secondary-OCS-Charging-Function-Name		
318	3GPP-AAA-Server-Name		
Note: The AVP codes from 319 to 399 are reserved for TS 29.234			
			29.109 [7]
Note: The AVP codes from 400 to 499 are reserved for TS 29.109			
500	Abort-Cause	Enumerated	29.209 [8]
501	Access-Network-Charging-Address	Address	
502	Access-Network-Charging-Identifier	Grouped	
503	Access-Network-Charging-Identifier-Value	OctetString	
504	AF-Application-Identifier	OctetString	
505	AF-Charging-Identifier	OctetString	
506	Authorization-Token	OctetString	
507	Flow-Description	IPFilterRule	
508	Flow-Grouping	Grouped	
509	Flow-Number	Unsigned32	
510	Flows	Grouped	
511	Flow-Status	Enumerated	
512	Flow-Usage	Enumerated	
513	Gq-Specific-Action	Enumerated	
514	Max-Requested-Bandwidth	Unsigned32	
515	Max-Requested-Bandwidth-DL	Unsigned32	
516	Max-Requested-Bandwidth-UL	Unsigned32	
517	Media-Component-Description	Grouped	
518	Media-Component-Number	Unsigned32	
519	Media-Sub-Component AVP	Grouped	
520	Media-Type	Enumerated	
521	RR-Bandwidth	Unsigned32	
522	RS-Bandwidth	Unsigned32	
523	SIP-Forking-Indication	Enumerated	
Note: The AVP codes from 524 to 599 are reserved for TS 29.209			
600	Visited-Network-Identifier	OctetString	29.229 [2]
601	Public-Identity	UTF8String	
602	Server-Name	UTF8String	
603	Server-Capabilities	Grouped	
604	Mandatory-Capability	Unsigned32	
605	Optional-Capability	Unsigned32	
606	User-Data	OctetString	
607	SIP-Number-Auth-Items	Unsigned32	
608	SIP-Authentication-Scheme	UTF8String	
609	SIP-Authenticate	OctetString	
610	SIP-Authorization	OctetString	

611	SIP-Authentication-Context	OctetString	
612	SIP-Auth-Data-Item	Grouped	29.229 [2], 29.234 [6]

613	SIP-Item-Number	Unsigned32	29.229 [2]
614	Server-Assignment-Type	Enumerated	
615	Deregistration-Reason	Grouped	
616	Reason-Code	Enumerated	
617	Reason-Info	UTF8String	
618	Charging-Information	Grouped	
619	Primary-Event-Charging-Function-Name	DiameterURI	
620	Secondary-Event-Charging-Function-Name	DiameterURI	
621	Primary-Charging-Collection-Function-Name	DiameterURI	
622	Secondary-Charging-Collection-Function-Name	DiameterURI	
623	User-Authorization-Type	Enumerated	
624	User-Data-Already-Available	Enumerated	
625	Confidentiality-Key	OctetString	
626	Integrity-Key	OctetString	
627	User-Data-Request-Type	Enumerated	
628	Supported-Features	Grouped	
629	Feature-List-ID	Unsigned32	
630	Feature-List	Unsigned32	
631	Supported-Applications	Grouped	
Note: The AVP codes from 632 to 699 are reserved for TS 29.229.			
700	User-Identity	Grouped	29.329 [4]
701	MSISDN	OctetString	
702	User-Data	OctetString	
703	Data-Reference	Enumerated	
704	Service-Indication	OctetString	
705	Subs-Req-Type	Enumerated	
706	Requested-Domain	Enumerated	
707	Current-Location	Enumerated	
708	Identity-Set	Enumerated	
Note: The AVP codes from 709 to799 are reserved for TS 29.329.			
			32.299 [5]
Note: The AVP codes from 800 to 899 are reserved for TS 32.299			
900	TMGI	OctectString	29.061 [13]
901	Required-MBMS-Bearer-Capabilities	UTF8String	
902	MBMS-StartStop-Indication	Enumerated	
903	MBMS-Service-Area	OctectString	
904	MBMS-Session-Duration	Unsigned32	
905	Alternative-APN	UTF8String	
906	MBMS-Service-Type	Enumerated	
Note: The AVP codes from 907 to 999 are reserved for TS 29.061			
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~~	~~RAT-Type~~	~~Enumerated~~	
1011~~2~~	Reporting-Level	Enumerated	
1012~~3~~	TFT-Filter	IPFilterRule	
1013~~4~~	TFT-Packet-Filter-Information	Enumerated	
1014~~5~~	ToS-Traffic-Class	OctetString	
Note: The AVP codes from 1015~~6~~ to 1099 are reserved for TS 29.210			
1100	Served-User-Identity	Groupe	
1101	VASP-ID	UTF8Str	
1102	VAS-ID	UTF8Str	
1103	Trigger-Event	Enumer	
1104	Sender-Address	UTF8Str	
1105	Initial-Recipient-Address	Groupe	
1106	Result-Recipient-Address	Groupe	
1107	Sequence-Number	Unsigne	

1108	Recipient-Address	UTF8Str	29.140 [16]
1109	Routeing-Address	UTF8Str	
1110	Originating-Interface	Enumer	
1111	Delivery-Report	Enumer	
1112	Read-Reply	Enumer	
1113	Sender-Visibility	Enumer	
1114	Service-Key	UTF8Str	
1115	Billing-Information	UTF8Str	
1116	Status	Group	
1117	Status-Code	UTF8Str	
1118	Status-Text	UTF8Str	
Note: The AVP codes from 1119 to 1199 are reserved for TS 29.140			