

**01<sup>st</sup> – 03<sup>rd</sup> June 2005 Quebec, Canada.**

**Source: CT4 Convenor**  
**Title: Status report from CT4 to TSG-CT Plenary Meeting #28**  
**Agenda item: 6.1.4**  
**Document for: INFORMATION**

## **1 Introduction**

CT4 have had one meeting since the last CT plenary meeting. The first meeting as CT4 was CT4#27 and was held in Cancun, Mexico, on 25<sup>th</sup> – 28<sup>th</sup> April 2005, kindly hosted by the North American friends of 3GPP. Due to the high number of contributions we had to have parallel sessions. The previous vice chairs of CN4 kindly volunteered to chair parallel sessions [Toshiyuki Tamura](#) (NEC) has chaired the sessions on CAMEL and [Peter Wild](#) (Vodafone) has chaired the sessions on MAP and Handover. [Kimmo Kymäläinen](#) (MCC) was there as usual, making sure we did things properly. We have handled **406** documents, agreed **168** change requests, **1** specification for approval and **9** output liaison statements. **1** revised work item description with workitem leadership by CT1 is endorsed by CT4. There were **49** participants representing **38** companies, plus Kimmo for the MCC.

The draft meeting report of CT4#27 was distributed to the CT4 [email list](#); it is still under review and is provided in Tdoc [CP-050077](#) for information. The CT4 outgoing liaison statements are provided in Tdoc [CP-050078](#) for information.

## **2 Management summary**

The major number of document to handle was for Release 6, some for Release 5 and only a small number for release 4. We had no contributions for R99 and GSM. We discussed some Release 7 topics as well.

All outstanding issues on Release 6 on GUP, WLAN and Mn-profile were handled during the meeting. A CT#27bis meeting for which time has already been allocated was not believed to be needed and cancelled.

### **2.1 CAMEL**

As a first set of CRs for Release 7 we have agreed CRs for Trunk Originated Services on CAMEL. Corresponding CRs to 23.078, 23.018, 29.078, and 29.002 were agreed as part of CAMEL phase 4 Trunk Originated CAMEL Triggering..

Various minor corrections were agreed for Release 6.

Corrections to 23.078 on Dialed Services, No-Answer handling, EDP-N handling, and gsmSSF Process Checking were agreed as essential correction for Release 5.

The related CRs are in CP-050103, CP-050097 and CP-050083.

#### **Status**

No open issues for Release 6.

### **2.2 Generic User Profile**

At the last plenary CN4 has asked for an exception to cover remaining open issue on GUP in Release 6. The open issues are covered by CRs submitted to this plenary.

We agreed on corrections related to GUP Profile Structure GUP SOAP headers.

We introduced a modification on the description on Security and Authentication procedures for GUP based on Liberty alliance procedures.

GUP HSS-IMS Component definitions are corrected.

Further components are seen as a release 7 issue. Interested companies are asked to bring in a WID for release 7 for further enhancements.

**Status**

No open issues for Release 6.

**2.3 Wireless LAN interworking**

CN4 has asked for exception to introduce new functionality and align stage 3 with stage3. CRs provided to this plenary cover them.

A CR to introduce authorization information update procedure to Wa, Wm reference points is agreed.

A profile for the Diameter interface based on Cx reference point is agreed to be added for the Pr (AAA server to PNA) reference point for Presence via I-WLAN. we identify misalignments between stage 1 and stag2 2 on presence therefore we agreed to send an LS to SA1 and SA2 asking for clarification. In stage 1 and 2 of presence there is no contact address information associated to the WLAN access, so only user attachment status as well as tunnel establishment status will be provided. The question was raised in CT4 on whether this was enough to fulfil the requirements for the Presence Service for the WLAN. There for we have asked SA2 for clarification on this aspect.

We agreed on a couple of corrections on e.g. Addition of missing functionality to Wa Interface RADIUS profile (referring IETF Draft "RADIUS Extensions for IEEE 802"), Addition of missing functionality to Wa Interface Diameter profile, W-APN definition, Mandating RFC 3576 in WLAN-IW, Removal of reference to User Data AVP on the Wm interface, Visited Network Identifier on the Wx interface, Clarifications on Wa and Wd RADIUS profiles.

The related CRs are in CP-050094.

**Status**

No outstanding issues.

**2.4 IMS**

**HSS – CSCF (Cx) & SLF - CSCF (Dx) and HSS - SIP AS (Sh Sh) interfaces**

The concept of Public Service Identities (PSI) was introduced in Release 6. The changes are reflected in CRs to 23.003, 23.008, and 29.328 were agreed. The procedure description on Cx to Public Service Identity needs to have further revised. Further more we agreed on corrective CR to clarify Server Capabilities and Default Public User Identity.

The current specification implies a linkage between MS and IMS subscription which is not correct. This change was seen as essential correction for Release 5.

Further essential corrections on Cx Interface are agreed related to Clarification of the content of SIP-Authentication-Context and on Removal of the default handling in the service profile.

On Sh Interface we agreed corrective CRs on Realm based routing, Subscription to Notification, XML Syntax Correction, Sh user-data correction and Sh UDR correction as an essential for Release 5.

The related CRs are in CP-050081, CP-050082, CP-050084, CP-050086, CP-050087 and CP-050089,.

**Status**

The concept of Public Service Identity needs to be added to 29.228 Cx interface.

**Diameter coordination**

One CR on Gx interface allocation correction was agreed.

The related CR is in CP-050088.

## **2.5 Subscriber Certificates**

A proposal to base Zn interface on HTTP as an additional option to DIAMETER was discussed. The requirements for such an option were missing. We Agreed to send an LS to SA3 asking to coordinate the effort to obtain a consistent set of top level requirement for 3GPP Release-7.

For Release 6 we agreed on a set of CRs on XML extensibility and to Remove BSF from visited network.

The related CRs are in CP-050090.

### **Status**

No outstanding issues for Release 6.

## **2.6 Subscriber and Equipment Trace**

Stage 2 of MBMS TS 23.246 was enhanced to support tracing of MBMS sessions, the related enhancements for MAP and GTP are agreed.

The related CRs can be found in CP-050102.

### **Status**

No outstanding issues.

## **2.7 Mn interface protocol**

As a response of our request for information on requirements by TISPAN NGN we have got the information that they do not have any additional requirements for Mn interface for Release 6. They indicated that they might come up with requirements for Release 7.

A CR to introduce the Mn profile template from ITU into 29.332 was discussed and is agreed via email approval. This CR covers the exception requested by CN4 at the last plenary.

The related CRs are in CP-050093.

### **Status**

Some open issues are in the profile table. They are marked as FFS and need to be solved. This is seen as a minor issue.

## **2.8 Mc Interface**

We continued the discussion on the functionality of topology and if and how it should be enhanced. The different approaches need to be checked on the benefits we might have regarding Handover, Rate control and time alignment. Backward compatibility needs to be taken into account as well. This is seen as a topic for Release 7.

The profile for Mc interface is agreed to be mandatory starting with Release 6. The registration procedure is inline with ITU.

Again we have agreed a set of CRs to reduce the option for Mc Interface which are given in H248 and Q1950. We agreed to add a description that Text encoding of IPBCP for IP transport on Mc interface is not recommended due to misalignments between ITU and IETF specification.

Depending on how essential and valid for a release a correction is we agreed it starting with Release 4, Release 5 or Release 6.

The related CRs are in CP-050080, CP-050085 and CP-050101.

## **2.9 GPRS**

We discussed the proposal to introduce a new RAT type "GAN" (Generic access network). The condition for setting the new RAT type is not clear. Currently we identify the RAT type by the used interface A/Gb for GERAN or Iu for UTRAN and GAN uses A/Gb interface as well. Therefore it was not clear to us how to differentiate between GERAN and GAN. CT4 asked SA2 and GERAN how to identify the new RAT type.

Regarding PS handover we discussed the impacts on 29.060 related to the following scenarios: either Inter-SGSN PS Handover from GERAN A/Gb mode to GERAN A/Gb mode or inter-mode / inter-RAT Inter-SGSN PS Handover from/to GERAN A/Gb mode to/from GERAN lu mode/UTRAN. The related CR was not agreed and the email discussion has taken place on the revision.

**Status**

Support of PS handover on GTP is open.

**2.10 MBMS**

BM-SC is responsible for service level charging according to MBMS stage 2 and charging related information need to be provided by SGSN to GGSN. Therefore we have agreed a CR to transfer IMEI(SV), RAT Type, User Location Information and MS Time Zone from SGSN to GGSN.

According to GERAN decision the parameter session duration is changed from optional to mandatory. We have agreed a CR to align our stage 3.  
The related CRs are in CP-050092.

**Status**

No outstanding issues.

**2.11 SCUDIF**

When RNC has detected suitable conditions for the service change the non-anchor MSC needs to be able to inform the anchor MSC. This could be achieved in two ways:

- including new parameter Empty Signal Info Allowed to MAP prepare handover and RAB Configuration Request to the MAP Process Access Signalling service..
- introducing an appropriate BSSAP message that could be sent in this situation.

Two sets of CRs on Full RANAP support of network initiated SCUDIF were conditionally approved. One of the set assumes that GERAN2 are going to define a new BSSAP message (CP-050099), whereas the other set does not (CP-050098). Depending on GERAN decision the one or the other set of CRs should be approved by CT plenary the other CR needs to be rejected.

**Status**

No outstanding issues.

**2.12 MAP**

A proposed change request for Release 7 on NGN Interworking of CS data Mobile Terminating calls from PSTN was discussed. The CR was seen as technically correct but due to missing stage 2 requirements it was postponed to the next meeting.

SA3 is discussing a gateway concept to secure MAP interfaces and has asked CT4, if MAPsec introduced in Release 4 can be reused and to provide feedback on this concept. We concluded that a detailed analysis needs to be performed (e.g. on impacts on SCCP and MAP addressing) and SA3 is asked to provide further details on the concept. Basically their intention is that gateway concept should replace MAPsec introduced in Release 4. SA3 indicated that for the gateway concept the Zf interface is not needed.

CRs for Release 6 on Addition of Relocation Type parameter to handover procedures and on Equal Access for the International Market were postponed to the next meeting due to unclear requirements.

A CR on Clarification on the use of Access Restriction Data parameter is agreed.

The related CRs are in CP-050100.

**2.13 TrFO/codec control**

The current specification TS 23.205 gives two examples on how to set terminations for multiparty calls. One realized with a separate termination for each call leg and a second one with only one termination. We agreed to remove the example which describes the realization with one termination.

A correction to cover an inconsistency in TS 23.153 with Q.1902.4 regarding the selection of a transcoder from the preferred codec list at the terminating call control node is agreed.

In TS 29.232 a clarification is added to distinguish between the Codec IE for a single codec on the Mc interface and the Single Codec IE as used at the Nc interface.

The related CRs are in CP-050079, CP-050105.

## 2.14 MMS

CT4 has taken over the responsibility of TS 29.140 the MM10 interface specification from T2. A CR to introduce Command and AVP codes is agreed.

The related CR is in CP-050095.

## 3 Questions for advice and decision

None.

## 4 Work organisation

### 4.1 Work Item descriptions

The WID for VGCS enhancements was updated by CT1 and endorsed by CT4.

### 4.2 Review of the work plan

The work plan was updated during the meeting. The updates should be covered in the version of the work plan which is published before CT#28.

### 4.3 Terms of references

Based on the terms of references of CN4 we discussed the terms of references for CT4. Document CP-050104 contains the agreed result of this discussion.

## 5 CT4 meeting calendar

The complete list of meetings is shown in the tables below till the end of 2005.

**CT4 meeting calendar**

Date	Meeting	Place	Host
29 Aug-02 Sept 2005	CT4#28	London, GB	EF3
21 – 23 Sept. 2005	CT plenary #29	Tallin; ESTONIA	EF3
31 Oct - 4 Nov 2005	CT4#29	Berlin, Germany	EF3
30 Nov - 2 Dec 2005	CT plenary #30	TBD, MALTA	EF3

**Proposed CT4 meeting calendar for 2006**

Date	Meeting	Place	Host
13 – 17 Feb. 2006	CT4#30	TBD	TBD
08 – 12 May 2006	CT4#31	TBD	TBD
29 Aug – 02 Sep 2006	CT4#32	TBD	TBD
30 Oct – 03 Nov 2006	CT4#33	TBD	TBD

These are the preferred dates by CT4. All meetings should be colocated CT working group meetings.

## 6 Change Requests

CT4 produced 105 Change Requests which are submitted for ratification. An overview of the CR packages is provided in the following Table. Corrective CRs to Release 5 and earlier were agreed as essential corrections.

### CRs submitted by CT4 for approval at CT #28 (sorted by agenda item)

Tdoc	Agenda	Type	Tdoc Title	WI	Rel
CP-050079	7.7	CR PACK	CRs to Rel-4 on Work Item OoBTC	OoBTC	Rel-4
CP-050105	7.7	CR PACK	CRs to Rel-4 on Work Item OoBTC	OoBTC	Rel-4
CP-050080	7.16	CR PACK	CRs to Rel-4 on on Work Item small Technical Enhancements and Improvements	TEI4	Rel-4
CP-050081	8.1	CR PACK	CRs to Rel-5 on Work Item IP-based multimedia services Cx-/Dx-interface	IMS-CCR	Rel-5
CP-050082	8.1	CR PACK	CRs to Rel-5 on Work Item IP-based multimedia services Sh-interface	IMS-CCR	Rel-5
CP-050083	8.3	CR PACK	CRs to Rel-5 on Work Item Camel4	Camel4	Rel-5
CP-050084	8.12	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on Subscriber data handling for the IMS	TEI5	Rel-5
CP-050085	8.12	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on Mc-interface	TEI5	Rel-5
CP-050086	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services Cx-/Dx-interface	IMS2-CCR	Rel-6
CP-050087	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services Sh-interface	IMS2-CCR	Rel-6
CP-050088	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services on Diameter Coordination	IMS2/TEI6	Rel-6
CP-050089	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services on Subscriber data handling	TEI6	Rel-6
CP-050090	9.3	CR PACK	CRs to Rel-6 on Subscriber Certificates	SEC1-SC	Rel-6
CP-050091	9.6	Cr PACK	CRs to Rel-6 on Generic User Profile	GUP	Rel-6
CP-050092	9.8	CR PACK	CRs to Rel-6 on Work Item Multimedia Broadcast and Multicast Service	MBMS	Rel-6
CP-050093	9.16	CR PACK	CRs to Rel-6 on Mn-interface	IMS2-Mn	Rel-6
CP-050094	9.17	CR PACK	CRs to Rel-6 on WLAN	WLAN	Rel-6
CP-050095	9.21	CR PACK	CRs to Rel-6 on Work Item multimedia Messaging enhancements	MMS6	Rel-6
CP-050096	9.24	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on GPRS	TEI6	Rel-6
CP-050097	9.24	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on Camel	TEI6	Rel-6
CP-050098	9.24	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on SCUDIF (Depends on GERAN	TEI6	Rel-6

			decision; no new message by GERAN)		
CP-050099	9.24	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on SCUDIF (a new message by GERAN; preferred solution by CT4)	TEI6	Rel-6
CP-050100	9.24	CR PACK	CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on MAP	TEI6	Rel-6
CP-050101	9.24	CR PACK	CR to Rel-6 on Work Item small Technical Enhancements and Improvements on Mc-interface	TEI6	Rel-6
CP-050102	9.25	CR PACK	CR to Rel-6 on Trace management	OAM-Trace	Rel-6
CP-050103	10.12	CR PACK	CAMEL Trunk Triggers	CamelR7	Rel-7

## 6.1 Release 4 CRs

Corrective CRs to Release 4 are agreed as **essential corrections**.

### 6.1.1 Corrections on OoBTC (CP-050079)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050835	23.153	090	1	Rel-4	Codec Selection at Terminating Call Control Node for OoBTC	F	4.12.0
C4-050836	23.153	091	1	Rel-5	Codec Selection at Terminating Call Control Node for OoBTC	A	5.10.0
C4-050837	23.153	092	1	Rel-6	Codec Selection at Terminating Call Control Node for OoBTC	A	6.1.0

### 6.1.2 Corrections on TEI4 on OoBTC (CP-050105)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050898	29.232	206	2	Rel-4	Codec Encoding	F	4.11.0
C4-050899	29.232	207	2	Rel-5	Codec Encoding	A	5.10.0
C4-050900	29.232	208	2	Rel-6	Codec Encoding	A	6.1.0

### 6.1.3 Corrections Corrections on TEI4 on Mc-interface (CP-050080)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050812	29.232	210	1	Rel-4	Definition of requirement for support of commands	F	4.11.0
C4-050813	29.232	211	1	Rel-5	Definition of requirement for support of commands	F	5.10.0
C4-050814	29.232	212	1	Rel-6	Definition of requirement for support of commands	F	6.1.0
C4-050904	29.232	214		Rel-4	Text encoding of IPBCP for IP transport on Mc interface	F	4.11.0
C4-050905	29.232	215		Rel-5	Text encoding of IPBCP for IP transport on Mc interface	A	5.10.0
C4-050894	29.232	209	2	Rel-6	Text encoding of IPBCP for IP transport on Mc interface	A	6.1.0

## 6.2 Release 5 CRs

Corrective CRs to Release 5 are agreed as **essential corrections**.

### 6.2.1 Corrections on Cx/Dx-interface Rel-5 (CP-050081)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050849	29.228	189	1	Rel-5	Clarification of the content of SIP-Authetication-Context	F	5.11.0
C4-050848	29.228	188	1	Rel-6	Clarification of the content of SIP-Authetication-Context	A	6.6.1
C4-050731	29.228	190	1	Rel-5	Removal of the default handling in the service profile	F	5.11.0

### 6.2.5 Corrections on Sh-interface Rel-5 (CP-050082)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050549	29.328	126		Rel-5	Sh user-data correction	F	5.9.0
C4-050550	29.328	127		Rel-6	Sh user-data correction	A	6.5.0
C4-050557	29.329	068		Rel-5	Sh UDR correction	F	5.9.0
C4-050558	29.329	069		Rel-6	Sh UDR correction	A	6.4.0
C4-050743	29.328	138		Rel-5	XML correction for iFC	F	5.9.0
C4-050744	29.328	139		Rel-6	XML correction for iFC	A	6.5.0
C4-050804	29.329	073		Rel-5	Correction to allow realm based routing	F	5.9.0
C4-050805	29.329	074		Rel-6	Correction to allow realm based routing	A	6.4.0
C4-050808	29.328	140		Rel-5	Behaviour of HSS when it accepts Sh-Subs-Notif message	F	5.9.0
C4-050807	29.328	134	1	Rel-6	Behaviour of HSS when it accepts Sh-Subs-Notif message	A	6.5.0
C4-050852	29.328	131	1	Rel-5	Removal of the word " user " where it is misleading	F	5.9.0
C4-050854	29.328	132	1	Rel-6	Removal of the word " user " where it is misleading	F	6.5.0

### 6.2.6 Corrections on Work Item small technical Enhancements and Improvements on Subscriber data handling for IMS (CP-050084)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050750	23.008	149		Rel-5	Removal of implied link between MS and IMS subscription	F	5.7.0
C4-050751	23.008	150		Rel-6	Removal of implied link between MS and IMS subscription	A	6.5.0

### 6.2.7 Corrections on Camel4 (CP-050083)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050790	23.078	766	1	Rel-5	Correction to CAMEL_MO_Dialled_Services	F	5.9.0
C4-050791	23.078	767	1	Rel-6	Correction to CAMEL_MO_Dialled_Services	A	6.5.0
C4-050792	23.078	771	1	Rel-5	correction to No_Answer handling in CAMEL_ICA_MSC2	F	5.9.0
C4-050700	23.078	772		Rel-6	correction to No_Answer handling in CAMEL_ICA_MSC2	A	6.5.0
C4-050793	23.078	773	1	Rel-5	correction to CAMEL_ICA_MSC1 and CAMEL_ICA_MSC2 for gsmSSF process checking	F	5.9.0
C4-050702	23.078	774		Rel-6	correction to CAMEL_ICA_MSC1 and	A	6.5.0



Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
					CAMEL_ICA_MSC2 for gsmSSF process checking		
C4-050794	23.078	775	1	Rel-5	correction to EDP-N handling for ICA legs in Process CS_gsmSSF	F	5.9.0
C4-050704	23.078	776		Rel-6	correction to EDP-N handling for ICA legs in Process CS_gsmSSF	A	6.5.0

### 6.2.8 Corrections on Mc-Interface (CP-050085)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050645	29.232	185	-	Rel-5	Correction to Profile registration procedures	F	5.10.0
C4-050818	29.232	213		Rel-6	Correction to Profile registration procedures	A	6.1.0
C4-050659	29.232	199	-	Rel-5	Removal of Option in Prepare Bearer that the MGW can chose the BNC Characteristics	F	5.10.0
C4-050660	29.232	200	-	Rel-6	Removal of Option in Prepare Bearer that the MGW can chose the BNC Characteristics	A	6.1.0
C4-050823	29.232	183	1	Rel-5	BNC Cut-Through Capability Package removed	F	5.10.0
C4-050824	29.232	184	1	Rel-6	BNC Cut-Through Capability Package removed	A	6.1.0
C4-050825	29.232	186	1	Rel-5	Format Of IP Address	F	5.10.0
C4-050826	29.232	187	1	Rel-6	Format Of IP Address	A	6.1.0
C4-050827	29.232	195	1	Rel-5	Clarification of maintenance procedures	F	5.10.0
C4-050828	29.232	196	1	Rel-6	Clarification of maintenance procedures	A	6.1.0
C4-050829	29.232	197	1	Rel-5	Clarification of use of topology and mulitparty	F	5.10.0
C4-050830	29.232	198	1	Rel-6	Clarification of use of topology and mulitparty	A	6.1.0
C4-050844	29.232	201	1	Rel-5	Clarification Of Use Of Wildcarding	F	5.10.0
C4-050845	29.232	202	1	Rel-6	Clarification Of Use Of Wildcarding	A	6.1.0
C4-050886	29.232	189	-	Rel-5	Clarification to Profile Registration Negotiation Procedures	F	5.10.0

### 6.3 Release 6 CRs

#### 6.3.1 Corrections on IP-based multimedia services on Cx/Dx-interface (CP-050086)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050559	29.228	181		Rel-6	TEL-URI reference correction	F	6.6.1
C4-050584	29.228	183		Rel-6	Clarification on Server Capabilities	F	6.6.1
C4-050606	29.228	185		Rel-6	Incorrect Implementation of CR172	F	6.6.1
C4-050742	29.228	192		Rel-6	Syntax correction for XML	F	6.6.1
C4-050676	29.229	087		Rel-6	Correction of reference	F	6.4.0
C4-050800	29.229	089	1	Rel-6	Editorial corrections	F	6.4.0
C4-050887	29.229	088	2	Rel-6	Corrections to message parameters	F	6.4.0

### 6.3.2 Corrections on IMS2 Sh-interface (CP-050087)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050853	29.328	130	1	Rel-6	Sh procedures applicable to Public Service Identity	F	6.5.0
C4-050809	29.328	137	1	Rel-6	Editorial corrections	D	6.5.0
C4-050673	29.329	070		Rel-6	Correction of references	F	6.4.0
C4-050803	29.329	071	1	Rel-6	Corrections to message parameters	F	6.4.0
C4-050806	29.329	072	1	Rel-6	Editorial corrections	D	6.4.0

### 6.3.3 Corrections on IP-based multimedia services on Subscriber data handling (CP-050089)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050877	23.003	100	4	Rel-6	Correction to wildcards in PSI	F	6.5.0
C4-050777	23.008	147	1	Rel-6	Default Public User Identity per Implicit Registration Set	F	6.5.0
C4-050902	23.008	144	4	Rel-6	Public Service Identity within the data stored in HSS	F	6.5.0

### 6.3.4 Corrections on Diameter coordination (CP-050088)

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

### 6.3.5 Corrections on GUP security (CP-050091)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050769	29.240	003	1	Rel-6	GUP HSS-IMS Component Definition	F	6.0.0
C4-050693	29.240	004		Rel-6	GUP Profile Structure	F	6.0.0
C4-050694	29.240	005		Rel-6	Security and Authentication	F	6.0.0
C4-050771	29.240	006		Rel-6	GUP SOAP Headres	F	6.0.0

### 6.3.6 Corrections on Subscriber Certificates (CP-050090)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050583	29.109	015		Rel-6	XML extensibility	F	6.2.0
C4-050728	29.109	016	1	Rel-6	Remove BSF from visited network	F	6.2.0

### 6.3.7 Corrections on Multimedia Broadcast and Multicast Service (CP-050092)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050863	29.060	532	1	Rel-6	Correction to charging information for MBMS	F	6.8.0
C4-050862	29.060	556		Rel-6	MBMS Session Duration	F	6.8.0

### 6.3.8 Corrections on Mn-interface (CP-050093)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050907	29.332	001	4	Rel-6	Introduction of formal profile template	F	6.1.0
C4-050663	29.332	005	-	Rel-6	Inclusion of Insert Digit Procedure at IMS termination	F	6.1.0

### 6.3.9 Corrections on WLAN (CP-050094)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050759	29.234	049	1	Rel-6	Addition of missing functionality to Wa Interface RADIUS profile	F	6.2.0
C4-050760	29.234	050	1	Rel-6	Addition of missing functionality to Wa Interface Diameter profile	F	6.2.0
C4-050866	29.234	051	2	Rel-6	Mandating RFC 3576 in WLAN-IW	F	6.2.0
C4-050876	29.230	051	1	Rel-6	Limit on the number of sessions in WLAN 3GPP IP Access	F	6.3.0
C4-050578	29.234	052		Rel-6	Removal of reference to User Data AVP on the Wm interface	F	6.2.0
C4-050579	29.234	053		Rel-6	Clean up of 29.234	F	6.2.0
C4-050761	29.234	054	1	Rel-6	Visited Network Identifier on the Wx interface	F	6.2.0
C4-050581	29.234	055		Rel-6	Reference to W-APN definition in 23.003	F	6.2.0
C4-050762	29.234	056	1	Rel-6	Clarifications on Wa and Wd RADIUS profiles	F	6.2.0
C4-050752	23.003	99	2	Rel-6	W-APN definition	F	6.6.0
C4-050871	29.234	058	2	Rel-6	WAG address resolution on Wg interface	F	6.2.0
C4-050766	29.234	060	2	Rel-6	Missing functionality on Wa, Wm interfaces	F	6.2.0
C4-050864	29.234	061	2	Rel-6	Pr Interface for Presence via I-WLAN	B	6.2.0
C4-050874	29.234	062	2	Rel-6	Limit on the number of sessions in WLAN 3GPP IP Access	F	6.2.0
C4-050873	23.008	145	2	Rel-6	Corrections on Serving WAG	F	6.5.0
C4-050765	23.008	146	1	Rel-6	Corrections on WLAN UE Remote IP Address	F	6.5.0
C4-050875	23.008	151	1	Rel-6	Limit on the number of sessions in WLAN 3GPP IP Access	F	6.5.0

### 6.3.10 Corrections on MMS (CP-050095)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050747	29.140	001		Rel-6	Allocation of Diameter Command Codes and AVP Codes	F	6.0.0

### 6.3.11 Corrections on GPRS (CP-050096)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050638	23.008	148		Rel-6	The type of some MSISDN related parameters is wrong for GPRS data	F	6.5.0
C4-050860	29.060	555	1	Rel-6	Reference Update	F	6.8.0

### 6.3.12 Corrections on Camel Rel-6 (CP-050097)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050901	23.078	780	2	Rel-6	No Reply timer clarification	F	6.5.0
C4-050787	23.078	763	1	Rel-6	DP T_No_Answer	F	6.5.0
C4-050620	23.078	769		Rel-6	Correction to Outstanding Request Counter setting at IDP	F	6.5.0
C4-050614	23.078	765		Rel-6	Correction to Conditional triggering for SCUDIF calls	F	6.5.0
C4-050788	23.278	048	1	Rel-6	Removal of references to HLR for CAMEL control of IMS	F	6.0.0

### 6.3.13 Corrections on SCUDIF

Two set of CRs are conditionally agreed by CT4.

- **CP-050098**; Solution one is based on the fact that GERAN decides to do not introduce a new message to transfer data between network entities.
- **CP-050099**; The second Solution is based on the GERAN decision to introduce a new message only for the purpose to send data between network entities.

#### 6.3.13.1 Corrections on SCUDIF(CP-050098)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050855	29.010	111	1	Rel-6	Full RANAP support of network initiated SCUDIF	F	6.5.0
C4-050623	29.002	751	1	Rel-6	Full RANAP support of network initiated SCUDIF	F	6.9.0

#### 6.3.13.2 Corrections on SCUDIF(CP-050099)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050855	29.010	111	1	Rel-6	Full RANAP support of network initiated SCUDIF	F	6.5.0
C4-050832	29.002	770		Rel-6	Full RANAP support of network initiated SCUDIF	F	6.9.0

### 6.3.14 Corrections on MAP (CP-050100)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050895	29.002	766	2	Rel-6	Clarification on the use of Access Restriction Data parameter	F	6.9.0

### 6.3.15 Corrections on Mc-interface (CP-050101)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050833	23.205	065		Rel-6	Multi-Party Conference Call Implementation	F	6.1.0
C4-050893	29.232	188	2	Rel-6	Profile Registration Mandatory/Negotiation clarification	F	6.1.0

### 6.3.16 Corrections on Subscriber and Equipment Trace (CP-050102)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050889	29.060	554	2	Rel-6	IE description to allow Signalling Activated Trace of the BM-SC	F	6.8.0
C4-050737	29.002	769	1	Rel-6	Correction to Trace parameters to allow trace at the BM-SC	F	6.9.0

## 6.4 Release 7 CRs

### 6.4.1 CAMEL Release 7, Camel Trunk Triggers (CP-050103)

Doc-2nd-Level	Spec	CR #	Rev	Rel	Tdoc Title	CAT	C_Version
C4-050785	23.018	145	1	Rel-7	Trunk Originated CAMEL triggering - SDLs	B	6.4.0
C4-050786	23.078	770	1	Rel-7	Trunk Originated CAMEL triggering - SDLs	B	6.5.0
C4-050782	23.078	764	1	Rel-7	CAMEL procedures for trunk originated services	B	6.5.0
C4-050784	29.002	765	1	Rel-7	Addition of CollectInformation procedure to OfferedCAMEL4Functionalities	B	6.9.0
C4-050783	29.078	392	1	Rel-7	Additions to CAP for trunk originated services	B	6.4.0

## 7 Draft Technical specifications and reports

None

## 8 Acknowledgments

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