Technical Specification Group Services and System Aspects
Meeting #27, 14 - 17 March 2005,
Tokyo, Japan

TSGS#27(05)0153

Source: **TSG CN**

Title: **CN Exception Form Package**

Document for: **APPROVAL / ENDORSEMENT**

Tdoc	Tdoc Title
NP-050042	Form for exception on GUP for Rel-6 (Access control and GUP XML schema)
NP-050046	Form for exception on Mn-interface for Rel-6
NP-050087	Rel-6 Exception Request Form for Circuit Switched Video and Voice Service Improvemer
NP-050089	Rel-6 Exception Request Form for Extensions to SIP capabilities (interworking to SIP with
NP-050104	Extension Request for SCUDIF
NP-050124	Exception Request Form for late inclusion of Robust header Compression (RoHC) suppo in Rel-6
NP-050138	Exception Handover for Conversational Services in A/Gb mode via the PS Domain in Rel
NP-050143	Form for exception on WLAN for Rel-6 (Presence Information to the PNA via Pr, Pp and W WLAN Data to PNA) AND Authorization information update procedure in Wa,Wm referen
NP-050144	Release 6 Exception Notice for WLAN ACCESS to IMS.

3GPP TSG CN Plenary Meeting #27 NP-050042
9th – 11th March 2005 Tokyo, JAPAN.

Source: TSG CN WG4

Title: Form for exception on GUP Rel-6

Agenda item: 9.6

Document for: INFORMATION and APPROVAL

Release 6 Submission form

Feature / Item:		**Generic User Profile GUP Stage 3**				
Affects:	**UE/MS: No**	**CN: Yes**	**UTRAN: No**	**GERAN: No**	**Compatibility Issues:** **Yes:**	**No: None new feature**
Expected Completion Date:		**June – Sept 2005**				
Services impacted:		**Subscription Management**				
Specifications affected:		**29.240**				
Tasks within work which are not complete:		**Access control** Choices of condition languages **GUP XML schema** 1. Schema design framework. 2. Schema alignment with Liberty Alliance (common attributes). 3. Concrete schema for subset of GUP profile schema (final version of HSS component)				
Consequences if not included in Release 6:		**Basic GUP handling will not be present for Release 6. This is the 3GPP instantiation of the Liberty Alliance Project**				
Accepted by TSG# 27 for late inclusion in Release 6:						

Abstract of document:

The 3GPP Generic User Profile is the collection of data which is stored and managed by different entities such as the UE, the Home Environment, the Visited Network and Value Added Service Provider, which affects the way in which an individual user experiences services.

The 3GPP Generic User Profile is composed of a number of User Profile Components. An individual service may make use of a number of User Profile Components (subset) from the Generic User Profile.

The fact of having several domains within the 3GPP mobile system (i.e. Circuit-Switched, Packet-Switched, IP Multimedia Subsystem and the Service/Application domains) introduces a wide distribution of data associated with the user. Already, several 3GPP WGs specify some parts of the Generic User Profile in their own descriptive methods.

The involvement of different 3GPP WGs and external bodies (e.g. OMA, Liberty Alliance, etc) in the specification of the details of the Generic User Profile and similar specifications from external bodies introduces the possibility of overlapping of the Generic User Profile specification that can cause incompatibility and inconsistencies between different components of the Generic User Profile. Therefore, a strong co-ordination is required to avoid these situations and to unify the description methods.

Contentious Issues:

Formalised approach to GUP XML Schema derivation using a defined UML approach with a standardised translation mechanism.

3GPP TSG CN Plenary Meeting #27 NP-050046
9th – 11th March 2005 Tokyo, JAPAN.

Source: TSG CN WG4

Title: Form for exception on Mn-interface

Agenda item: 9.16

Document for: INFORMATION and APPROVAL

Release 6 Submission form

Feature / Item:		IMS-CCR-Mn					
Affects:	**UE/MS:** **NO**	**CN:** **YES**	**UTRAN:** **NO**	**GERAN:** **NO**	**Compatibility Issues:**	**Yes:**	**No:** **New function**
Expected Completion Date:		June2005					
Services impacted:		IMS CS Interworking					
Specifications affected:		29.332					
Tasks within work which are not complete:		Profiling of the protocol to ensure interoperability in an open inter-vendor environment. Requirements from TISPAN not considered.					
Consequences if not included in Release 6:		Potential misoperation due to variations in implementation. Potential backward compatibility issues with Rel7 if TISPAN requirements not considered until then.					
Accepted by TSG# for late inclusion in Release 6:							

Abstract of document:

TS 29.332 describes the stage 3 protocol for the reference point Mn, which is the MGW control interface for the IMS to CS interworking point. The specification is based on core H.248 protocol but then defines additional procedures that are new and specific for the Mn interface. It also defined which packages and procedures are re-used from other MGW control protocols to support the CS network.

Contentious Issues:

1. Introduction of the standard profile template as defined in H.248.1 v2 (to define the minimum set of protocol variants to ensure interoperability) is agreed in principle to be incorporated into TS 29.332 (clause 12) but the content for the profiling has not been agreed. Email discussions are proposed prior to next CN4 meeting to agree this based on input contribution N4-050239.

2. Work in ETSI TISPAN for NGN Trunking Gateway control protocol has discussed the suitability of the Mn protocol for this application. On initial inspection this profile is analogous to the TGW requirements. In order to avoid potential backward compatibility issues between Rel7 and Rel6, CN4 proposed to take into account any requirements from TISPAN into this protocol specification if available within the requested time extension.

3GPP TSG CN Meeting #27 **NP-050087**

9th - 11th March 2005. Tokyo, Japan.

Source:	**TSG CN WG1**
Title:	**Exception Request Form for late includions of Circuit Switched Video and Voice Service Improvements in Rel-6**
Agenda item:	**9.22**
Document for:	**APPROVAL**

Release 6 Submission form

Feature / Item:		**Circuit Switched Video and Voice Service Improvements**				
Affects:	**UE/MS:X**	**CN:X**	**UTRAN:**	**GERAN:**	**Compatibility Issues:** **Yes:**	**No:X**
Expected Completion Date:		**June 2005**				
Services impacted:		**Switching between a voice and video call**				
Specifications affected:		**TS 24.008, TS 23.009**				
Tasks within work which are not complete:		**Add an indication to the core network that a call is a redial attempt for switching between voice and video.** **Add service-based handover as a possible reason for directed retry handover.**				
Consequences if not included in Release 6:		**Redial solution for voice video switching not complete.**				
Accepted by TSG# for late inclusion in Release 6:						

3GPP TSG CN Meeting #27 **NP-050089**

9th - 11th March 2005. Tokyo, Japan.

Release 6 Submission form

Feature / Item:		**IMS2**				
Affects:	**UE/MS:** **No**	**CN:** **Yes**	**UTRAN:** **No**	**GERAN:** **No**	**Compatibility Issues:** **Yes:**	**No:**
Expected Completion Date:		**June 2005**				
Services impacted:						
Specifications affected:		**24.229**				
Tasks within work which are not complete:			**Specification of interworking with other SIP networks using ALG**			
Consequences if not included in Release 6:			**Interworking with Ipv4 SIP networks may not occur**			
Accepted by TSG# for late inclusion in Release 6:						

Abstract of document:

24.229 is the main 3GPP document defining the use of SIP in the IM CN subsystem.

Contentious Issues:

The IMS-ALG was introduced fairly late into the release 6 version of 24.229, and a number of discussions are still ongoing about how the IMS-ALG is discovered and routed to and from. CN1 therefore expects CRs to be submitted until the next meeting closing those issues.

3GPP TSG CN Meeting #27 **NP-050104**
9th - 11th March 2005. Tokyo, Japan.

Source: CN3

Title: Extension Request for SCUDIF

Agenda item: 9.21

Document for: APPROVAL

Release 6 Submission form

Feature / Item:		**Service change and UDI fallback (TEI6)**				
Affects:	**UE/MS:X**	**CN:X**	**UTRAN: X**	**GERAN:**	**Compatibility Issues:**	**Yes:** **No:**
Expected Completion Date:		**June 2005**				
Services impacted:		**SCUDIF**				
Specifications affected:		**TS 23.172, TS 25.413, and possibly others**				
Tasks within work which are not complete:				**Network initiated upgrade from speech to multimedia**		
Consequences if not included in Release 6:				**The service change from speech to multimedia will not be able to be performed although it is a stage 1 requirement.**		
Accepted by TSG#	**27**	**for late inclusion in Release 6:**				

Abstract of document:
The aim of this document is to ask SA to grant CN3 with an exemption for the Service change and UDI fallback for Rel-6.

Contentious Issues:
In Rel-6 the concept of network initiated SCUDIF was introduced for Service change and UDI fallback.

As stated in TS 22.201 there is a requirement to perform this capability in two different cases: downgrade from multimedia to speech when the conditions to sustain a multimedia call are no longer supported, and upgrade from speech to multimedia when the conditions to sustain the latter are again in place.

During CN3 #35 a full solution for the downgrade case was approved and a discussion was started on the stage 2 requirements needed to perform the upgrade. A solution for the upgrade case was also proposed but not yet agreed.

In order to be fully compliant with the stage 1 requirement CN3 asks SA to grant an exemption for the Service change and UDI fallback for Rel-6. This will allow CN3 to complete the work by June 2005 plenary.

3GPP TSG CN Meeting #27 **NP-050124**

9th - 11th March 2005. Tokyo, Japan.

Source:	**Ericsson**
Title:	**Exception Request Form for late inclusion of Robust header Compression (RoHC) support for MBMS in Rel-6**
Agenda item:	**9.22**
Document for:	**APPROVAL**

Release 6 Submission form

Feature / Item:		**Support of Robust Header Compression (RoHC) in MBMS**				
Affects:	**UE/MS: X**	**CN: X**	**UTRAN:**	**GERAN: X**	**Compatibility Issues:**	**Yes: X** **No:**
Expected Completion Date:		**June 2005**				
Services impacted:		**MBMS in A/Gb mode**				
Specifications affected:		**TS 44.065**				
Tasks within work which are not complete:		**Include support for ROHC in A/Gb mode**				
Consequences if not included in Release 6:		**RAN2 has agreed to include RoHC header compression functionality into PDCP for MBMS in Release 6. In particular for GERAN, the use of header compression increases the throughput, since the IP packet overhead is decreased. Introduction of header compression in SNDCP is not possible in a backward compatible way. . If header compression is not supported in from the beginning, i.e. in Rel-6 you directly split the UE population into two groups, the one supporting ROHC and the ones that don't. That also means that you have to transmit a service in two different ways, which leads to less transmission gain for MBMS. Also, there will be problems at IRAT-changes.**				
Accepted by TSG# 27 for late inclusion in Release 6:						

3GPP TSG CN Meeting #27 **NP-050138**

9th - 11th March 2005. Tokyo, Japan.

Source:	**TSG CN WG1**
Title:	**Exception Request Form for late includions of Handover for Conversational Services in A/Gb mode via the PS Domain in Rel-6**
Agenda item:	**9.22**
Document for:	**APPROVAL**

Release 6 Submission form

Feature / Item:		**Support of Conversational Services in A/Gb Mode via the PS Domain**				
Affects:	**UE/MS: X**	**CN: X**	**UTRAN:**	**GERAN: X**	**Compatibility Issues:**	**Yes:** **No: X**
Expected Completion Date:		**June 2005**				
Services impacted:		**Conversational Services in A/Gb mode via the PS Domain**				
Specifications affected:		**TS 24.007, TS 24.008, TS 44.064, TS 44.065**				
Tasks within work which are not complete:		**XID negotiation for ciphering parameters and compression entities;** **Handling of NSAPI-SAPI-PFI re-mapping;** **Indication of support of PS Handover in MS RAC and MS network capability;**				
Consequences if not included in Release 6:		**Handover for Conversational Services in A/Gb mode via the PS Domain not supported**				
Accepted by TSG# 27 for late inclusion in Release 6:						

Contentious Issues:

Can XID negotiation be used for exchanging ciphering parameters and compression entities?

Expected completion date:

All work must be 100% complete by April 30, 2005; otherwise the work item will be moved to Rel-7.

3GPP TSG CN Plenary Meeting #27 NP-050143
9th – 11th March 2005 Tokyo, JAPAN.

Source: TSG CN WG4

Title: Form for exception on WLAN

Agenda item: 9.17

Document for: INFORMATION and APPROVAL

Release 6 Submission form

Feature / Item:		**Wireless LAN Interworking WLAN Stage 3**				
Affects:	**UE/MS: No**	**CN: Yes**	**UTRAN: No**	**GERAN: No**	**Compatibility Issues:**	**Yes: No: None new feature**
Expected Completion Date:		**June 2005**				
Services impacted:		**WLAN Access**				
Specifications affected:		**29.234, 29.161**				
Tasks within work which are not complete:		**WLAN Presence Information to the PNA via Pr, Pp and Wx (Px' HSS WLAN Data to PNA)** **Authorization information update procedure in Wa,Wm reference points**				
Consequences if not included in Release 6:		**Presence Information that is related to WLAN access will not be provided.** **Authorization information update procedure that is related to Wa, Wm reference points will not be provided.**				
Accepted by TSG# 27 for late inclusion in Release 6:						

Abstract of document:

The WLAN stage 3 document specifies system description for interworking between 3GPP systems and WLAN Local Area Networks (WLANs). The intent of 3GPP–WLAN Interworking is to extend 3GPP services and functionality to the WLAN access environment. The 3GPP–WLAN Interworking System provides bearer services allowing a 3GPP subscriber to use a WLAN to access 3GPP PS based services.

This specification defines a 3GPP system architecture and procedures to do the following:

- Provide Access, Authentication and Authorisation (AAA) services to the 3GPP-WLAN Interworking System based on subscription.
- Provide access to the locally connected IP network (e.g. the Internet) if allowed by subscription.
- Provide WLAN UEs with IP bearer capability to the operator's network and PS Services, if allowed by subscription.

Contentious Issues:

SA2 have only recently introduced the Pr (AAA server to PNA) and Pp (PDG to PNA) presence interfaces in their Presence Stage 2. As a consequence, to date, the Pr and Pp (and possibly other interfaces) have not been addressed in CN at all. CN4 and CN3 should therefore either include or exclude this work in Rel 6 and inform SA2 so they can align their architecture accordingly. Current understanding is that Pp is supposed to be based on the Wi reference point i.e. TS 29.161, see the Presence Stage 2 TS23.141.

If this work is not completed in April, Pr and Pp interface will be moved to Rel-7 specifications, and CN4 and CN3 will inform SA2 via LS.

Authorization information update procedure in Wa,Wm reference points are not currently being addressed in CN. CN4 should either include or exclude this work in Rel 6. SA2 has introduced this function in Stage 2 TS 23.234.

3GPP TSG CN Meeting #27 **NP-050144**
9th - 11th March 2005. Tokyo, Japan.

Source: Lucent Technologies, Cingular
Title: Release 6 Exception Notice for WLAN
Agenda item: 9.17
Document for: INFORMATION / APPROVAL

Release 6 Submission form

Feature / Item:		**WLAN**				
Affects:	**UE/MS: No**	**CN: Yes**	**UTRAN: No**	**GERAN: No**	**Compatibility Issues:**	**Yes: No: Forwards Compatibility to Rel-7 work**
Expected Completion Date:		**April 2005**				
Services impacted:		IMS can be accessed using wireless LAN in Release 6, whereas, without procedures for P-CSCF discovery, this is clearly impossible.				
Specifications affected:		**TS 24.229**				
Tasks within work which are not complete:		For WLAN access to IMS, it is necessary to define in 24.229 the following: –Tunnel requirements specific for access to IMS - –P-CSCF discovery for WLAN, clarification that only DHCP is necessary for this. –The use of P-Access-Network-Info header for the case of WLAN; either to provide the encoding in case of WLAN or omitting the header when it is not applicable. –Coding for the access-network-charging-info parameter within the P-Charging-Vector header				
Consequences if not included in Release 6:		Some aspects of IMS over WLAN access are not defined, as per the stage 2 architecture.				
Accepted by TSG# CN 27	**for late inclusion in Release 6:**					

Abstract of document:

TS 24.229 is the TS for IMS stage 3 SIP messaging protocol.

Contentious Issues:

The reason for raising this is that there is a liaison statement between SA2 and SA1 (S2-050506) giving a summary of what can be accessed in 3GPP using Wireless LAN in Release 6, and what work still needs to be done. Based on this

LS together with specifications: 22.234, 22.228, 23.234 and 23.228, itis clearthat IMS can be accessed using wireless LAN in Release 6.
Access to IMS is clearly an important service that one should be able to use I-WLAN to perform. The generation of an equivalent to Annex B should not take more than one meeting, especially if there is some pre-discussion of the contents, e.g. by conference call.

It is clear that WLAN access specific IMS requirements need to be identified in 3GPP TS 24.229, just like the GPRS access related ones are already defined in the currently existing Annex B. However, it is not completely clear which of the requirements are really WLAN specific, and which ones are generic and shareable with Broadband IP Access.

Furthermore, the CT1 working group should decide whether WLAN specific P-Access-Network-Info encoding needs to be defined, or the whole header is omitted when there are no cellular network parameters to encode in it.