

3GPP TSG-N meeting #7

Tdoc 3GPP NP-000127

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Source: **3GPP TSG-N2 Chairman & Vice-Chairmen:**
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Title: **Status of work items handled in TSG-N2**

Agenda item: **5.2**

Document for: **Information/approval**

This contribution brings together the work item status sheets for those work items which have been handled in TSG-N2 since CN plenary meeting #6.

Work Area / Item:		CAMEL Phase 3			
Affects:	UE/MS:	CN: X	UTRAN:	Compatibility Issues:	Yes: No: X
Expected Completion Date:		TSG CN #07, March 2000			
Services impacted:		CAMEL Phase 3			
Specifications affected:		TS 23.078; TS 29.078			
Tasks within work which are not complete:		<ul style="list-style-type: none"> ➤ The treatment of connection of an announcement to one party in an established call is based on a service requirement which is not stable in S1. ➤ The modelling of multiple instances of the gsmSSF for subscribed and dialled services needs to be clarified. ➤ The interactions between CAMEL and Call Deflection need to be defined. 			
Consequences if not included in Release 1999:		<p>Services such as prepayment, which require an announcement to be connected to one party of an established call, cannot be properly implemented;</p> <p>Unpredictable interactions between CAMEL-based subscribed services and dialled services;</p> <p>Unpredictable interactions between Call Deflection and CAMEL-based services.</p>			
Accepted by TSG#		for late inclusion in Release 1999:			

Work Area / Item:		Call Forwarding Enhancements			
Affects :	UE/MS:	CN: X	UTRAN:	Compatibility Issues:	Yes: X No:
Expected Completion Date:		TSG CN #07, March 2000			
Services impacted:		Call Forwarding			
Specifications affected:		TS 23.018; TS 23.079; TS 29.002; TS 29.078			
Tasks within work which are not complete:			None		
Consequences if not included in Release 1999:			Long forwarded –to-numbers will not be supported		
Accepted by TSG#	#0 6	for late inclusion in Release 1999:			

Comments:

Issues resolved for the “Call Forwarding Enhancements”. WI is considered completed and can be closed.

Work Area / Item:		Gateway Location Register			
Affects :	UE/MS:	CN: X	UTRAN:	Compatibility Issues:	Yes: No: X
Expected Completion Date:		TSG CN #07, March 2000			
Services impacted:		Inter - & Intra-network signalling optimisation			
Specifications affected:		TS 23.119, TS 29.119, TS 29.120			
Tasks within work which are not complete:			None		
Consequences if not included in Release 1999:			Unnecessary internetwork signalling within the 3G network for Mobility Management		
Accepted by TSG#		#06 for late inclusion in Release 1999:			

Comments:

Issues resolved for the "Gateway Location Register". WI is considered completed and can be closed.

Work Area / Item:		GTP Evolution			
Affects:	UE/MS:	CN: X	UTRAN: X	Compatibility Issues:	Yes: X No:
Expected Completion Date:		TSG CN #07, March 2000			
Services impacted:		PS Domain services, i.e. IP services.			
Specifications affected:		TS 29.060			
Tasks within work which are not complete:			None		
Consequences if not included in Release 1999:			No PS Domain services.		
Accepted by TSG#		#0 6		for late inclusion in Release 1999:	

Comments:

The open issues identified at the TSG CN#06 Plenary are resolved. An issue that might not have been completely addressed is the handover between GSM and UMTS networks (i.e. GPRS Phase 1 & Phase 2 networks). This issue had not been raised in the previous N2 meetings.

Work Area / Item:		Multi Call			
Affects:	UE/MS: X	CN: X	UTRAN:	Compatibility Issues:	Yes: X No:
Expected Completion Date:		TSG CN #07, March 2000			
Services impacted:		Multicall			
Specifications affected:		TS 23.008, TS 23.009, TS. 23.016, TS 23.018, TS 23.135, TS 29.002			
Tasks within work which are not complete:			None		
Consequences if not included in Release 1999:			No capability to handle multi call services		
Accepted by TSG#		#0 6		for late inclusion in Release 1999:	

Comments:

The work item was completed within a very challenging period. A number of issues were co-ordinated at the Multi Call workshop, but further enhancements to the specifications took place after the workshop. Some CRs are expected for alignment or correction purposes.

Work Area / Item:		Out-of-Band Transcoder Control			
Affects:	UE/MS: X	CN: X	UTRAN:	Compatibility Issues:	Yes: X No:
Expected Completion Date:		TSG CN #07, March 2000			
Services impacted:		Out-Of-Band Transcoder Control			
Specifications affected:		TS 23.153, others (not yet identified)			
Tasks within work which are not complete:			None		
Consequences if not included in Release 1999:			Out-of-Band Transcoder control is not supported		
Accepted by TSG#	#0 6	for late inclusion in Release 1999:			

Comments:

The stage 2 document is completed from the N2 perspective. However, the meeting raised a number of stage 2 related issues that are not within the scope of N2. Issues that are identified are:

- Handling of Conference Calls;
- Handling of Multi Party Supplementary Services;
- Handling of Handover UMTS to GSM;
- Handling of Sending a tone or Announcement;

These issues need input from our R3 colleagues. Furthermore, there is no agreement for the protocol used between MSCs (i.e. Iu UP Framing versus I.366). Therefore, substantial effort is needed on the stage 3 level.

Work Area / Item:		Super Charger			
Affects :	UE/MS: X	CN: X	UTRAN:	Compatibility Issues:	Yes: No: X
Expected Completion Date:		TSG CN #07, March 2000			
Services impacted:		Inter - & Intra-network signalling optimisation			
Specifications affected:		TS 23.040, 23.060, 23.116, 29.002			
Tasks within work which are not complete:					
Consequences if not included in Release 1999:			Unnecessary signalling within the 3G network for Mobility Management		
Accepted by TSG#		#0 for late inclusion in Release 1999:			
		6			

Comments:

Issues resolved for the “Super Charger”. WI is considered completed and can be closed.

Work Area / Item:		Security			
Affects :	UE/MS: X	CN: X	UTRAN:	Compatibility Issues:	Yes: X No:
Expected Completion Date:		TSG CN #07, March 2000			
Services impacted:		Authentication and security enhancements			
Specifications affected:		TS 33.102, 23.003, 29.002, 29.060			
Tasks within work which are not complete:			<ul style="list-style-type: none"> ➤ Securing of sensitive MAP & GTP messages by mutual authentication and encryption; ➤ Securing of user identity information over the access interface (specifically the issue of paging the MS after VLR restart). 		
Consequences if not included in Release 1999:			Insufficient security level within 3G systems		
Accepted by TSG#		#0 for late inclusion in Release 1999:			
		6			

Comments:

The Core Network security issue was divided into three parts:

- MAP & GTP security
- Enhanced User Identity Confidentiality
- Authentication Failure Report

MAP & GTP Security

GTP security has been resolved by the usage of IP SEC and is reflected in a CR to TS 29.060. It should be noted that a linked CR to TS 33.102 needs to be approved by TSG SA.

MAP security is not resolved completely, however, the principles have been agreed. MAP security will be based on a common application level procedure to handle the required security functionality. MAP security has strong support from a number of operators to be included in Release 99.

Enhanced User Identity Confidentiality (EUIC)

EUIC has been addressed in a very challenging time schedule. CRs to meet the service requirements from S3 have been agreed; one identified area of weakness is paging the MS for an MT call after VLR restart. Further CRs might be expected.

Authentication Failure Report

The Authentication Failure Report has been addressed at very short notice (i.e. introduced in the February 2000 N2B meeting and carried over to an N2B meeting at the beginning of March). The final set of CRs was approved by email correspondence. Some comments have been received about the status of this set of CRs. Further discussion on this is expected at future N2 meetings.