

TSG N Work Items Status List

Source: TSGN Chairman
Presented for information

Work Item	Release	Status	Open issues	Contentious Issues
Access to ISPs and Intranets – Wireless / remote access to LANs	R99	Completed		None
Call Forwarding Enhancements	R99	March -2000	<ul style="list-style-type: none"> ➤ Proposed changes to TS 29.002 to support Long Forwarded-To-Numbers need further analysis. In particular, is an application context version upgrade needed for those operations which transport the long forwarded-to number? ➤ Cross-phase compatibility handling in TS 23.018 & TS 23.079 needs to be specified. ➤ Minor amendments needed to TS 23.018 & TS 23.079 to reflect the fact that the Forwarded-To-Number is not necessarily an E.164 number. ➤ Enhancement of SS procedure involving the MS need further study. ➤ The possibility of long deflected-to numbers for Call Deflection is for further study in SA1. ➤ The use of the Translation Information Flag 	None

			<p>(TIF) for long forwarded-to numbers needs to be clarified.</p> <p>The CAP protocol needs enhancement to allow the transport of long FTNs.</p>	
CAMEL Phase 3	R99	March -2000	<ul style="list-style-type: none"> ➤ Interactions between CAMEL-based CUG services & switch-based CUG services need resolution. ➤ Dialed service trigger criteria need to be refined. ➤ The handling of destination addresses for dialed services needs resolution. ➤ The precedence of a Release instruction between dialed service logic and subscribed service logic needs resolution. ➤ The interworking between default call handling for dialed service logic and subscribed service logic needs resolution. ➤ The modelling of multiple instances of the gsmSSF for subscribed and dialed services needs to be clarified. ➤ A decision is needed on whether CAP should specify a leg ID in the ContinueWithArgument operation, to give forward compatibility for the introduction of Call Party Handling. <p>A decision is needed on whether to transport O-CSI trigger criteria in the Resume Call Handling operation, to allow for the use of criteria on the Route Select Failure DP in the GMSC on ORLCF</p>	None
Circuit Switched Bearers in UMTS	R99	March -2000 (except BS 30 NT)	<ul style="list-style-type: none"> ➤ lower user rates for NT services ➤ handover between GSM and UMTS 	<ul style="list-style-type: none"> ➤ the need for lower user rates ➤ the solution used for handover (3 proposed solutions)
EDGE (N1 status on WI	R99	Completed	N1 part completed	None

initiated from outside TSGN)				
Follow Me	R99	Completed	None	None
Frame Tunneling Mode (FTM)	R99	Completed	None	None
Gateway Location Register	R99	March -2000	<ul style="list-style-type: none"> ➤ Introduction of SDL diagrams for Location Management within the Stage 2 document ➤ The impact of CCBS within a GLR environment <p>The interaction between the GLR and Super Charger</p>	None
GSM – UMTS Interworking and MM in UMTS	R99	March -2000	<p>GSM – UMTS HO is one of the key issues in UMTS and lacking this feature means the following:</p> <ul style="list-style-type: none"> ➤ There would be no packet services (including PS SMS) in UMTS R99. ➤ It would not be practical to add this feature later on as there would be many compatibility issues to tackle. ➤ Having no GSM – UMTS HO would damage the service continuity in GSM footprint. Also the common CN part of the specification will cover both systems and both GSM and UMTS specifications would remain incomplete and inconsistent if the HO case is not covered. 	See NP-99411
GTP Evolution	R99	March -2000	<ul style="list-style-type: none"> ➤ An open issue is the level of separation between GTP-U and GTP-C. Is there a need for an enhanced protocol version-negotiation procedure? ➤ MM Context: New values for cipher algorithms. 33.102 (Security Architecture), defines 4 bits for the cipher algorithm, GTP currently has 3 bits. Other changes may be needed. ➤ PDP Context: RAB ID needed. New QoS 	An open issue is the level of separation between GTP-U and GTP-C. Is there a need for an enhanced protocol version-negotiation procedure? A drafting meeting is scheduled to reach agreement on the level of protocol version negotiation procedures (dd. 16 December 1999 – needs to be confirmed).

			parameters needed. ➤ New GTP-C message needed for hard handover – ' <i>Forward SRNS context</i> '.	
Modem and ISDN Interworking for GPRS		This service is no more required		The sense of such service was under discussion. S1 has decided that such service is no more needed

MS Classmark	R99	December-1999		None
Multiple Subscriber Profile Phase 2	R99	March-2000	For the purpose of the MSP Phase 2 further enhancements of the CCBS SS notification procedures are required. This will have impact on 3G TS 23.078 (CAMEL), 23.097 (CCBS) and 3G TS 23.097 (MSP).	None
Out-of-Band Transcoder Control	R99	March-2000	<ul style="list-style-type: none"> ➤ Completion of stage 2. ➤ Dependency on the BICC is noted, however BICC is determined (stable for approval) at the ITU-T SG11 meeting, 22 November – 10 December 1999. <p>It is agreed that the downlink selected codec is required. What is yet not agreed is whether this can be achieved using CC messages due to certain handover scenarios. What is not clear is if the principle that codec negotiation is part of call control is agreed by all. It is possible that this is agreed but the solution not clarified.</p> <ul style="list-style-type: none"> ➤ S2 and S4 concerns pleased? 	<ul style="list-style-type: none"> ➤ At which level should the supported codecs be indicated? CC or RR? ➤ Should the new speech codecs be added to existing BC IE or do we want to introduce a new IE. ➤ The criteria for the MS to send GSM and UMTS specific codec information?
QoS (N1 status on WI initiated from outside TSGN)	R99	March-2000	<ul style="list-style-type: none"> ➤ Almost complete with minor details to be CR'd by N1: ➤ the length of TFT IE ➤ QoS default values should be defined for unused code points rather than reserved which blocks future evolution. ➤ QoS mapping between R98 and R99 is not completed in S2 and N1 have had no chance to review the result 	None

R99 Service Clean up	R99	March-2000	<ul style="list-style-type: none"> ➤ Upgrade of 23.054 (Shared IWF) ➤ Upgrade related to BS 30 NT 	None
Real-time Fax (based on non-transparent Fax as in GSM 03.46) in UMTS/IMT2000	R99	March-2000	<ul style="list-style-type: none"> ➤ Details and diagrams (SDL, MSC) to be included in TS 23.146 ➤ Remove existing inconsistencies in TS 23.146 	None
Multimedia Step 1 and Step 2	R99	March-2000	TR in 23.972	
Super Charger	R99	March-2000	<ul style="list-style-type: none"> ➤ Release of TMSIs after purging ➤ The application of the Super Charger principle for GPRS Mobility Management 	
Support of PIAFS in UMTS	R99	Completed		
USSD Enhancements	R99	Completed		
Security	R99	March-2000	See NP-99548 ????????	
Multicall	R99?	March-2000	basic principles / nature of Multicall "Stage 1.5 "	
OSA	R99?	March-2000		
Camel Phase 4	R00			
Turbo Charger	R00			
Layer 3 Segmentation	R00			
Multimedia Step 3	R00			

Access to ISPs and Intranets – Wireless / remote access to LANs

Release 1999 Submission form

Work Area / Item:		Access to ISPs and Intranets – Wireless / remote access to LANs			
Affects:	UE/MS: X	CN: X	UTRAN:	Compatibility Issues: Yes:	No: X
Expected Completion Date:		Completed			
Services impacted:		Packet oriented bearer service			
Specifications affected:		TS 27.060, 29.061			
Tasks within work which are not complete:					
Consequences if not included in Release 1999:					
Accepted by TSG# 6 for late inclusion in Release 1999:					

Abstract of document:

The WI requires the provision of DHCP to the MS/UE.

Contentious Issues:

None.

Call Forwarding Enhancements

Release 1999 Submission form

Work Area / Item:		Call Forwarding Enhancements			
Affects:	UE/MS: X	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 23.078; TS 23.079; TS 23.082; TS 24.080; TS 29.002; TS 29.078			
Tasks within work which are not complete:		<ul style="list-style-type: none"> ➤ Proposed changes to TS 29.002 to support Long Forwarded-To-Numbers need further analysis. In particular, is an application context version upgrade needed for those operations which transport the long forwarded-to number? ➤ Cross-phase compatibility handling in TS 23.018 & TS 23.079 needs to be specified. ➤ Minor amendments needed to TS 23.018 & TS 23.079 to reflect the fact that the Forwarded-To-Number is not necessarily an E.164 number. ➤ Enhancement of SS procedure involving the MS need further study. ➤ The possibility of long deflected-to numbers for Call Deflection is for further study in SA1. ➤ The use of the Translation Information Flag (TIF) for long forwarded-to numbers needs to be clarified. ➤ The CAP protocol needs enhancement to allow the transport of long FTNs. 			
Consequences if not included in Release 1999:		<p>Long forwarded-to-numbers will not be supported, so forwarding to destinations in private networks (the service driver for this work item) may be impossible;</p> <p>Users will not be able to specify long deflected-to numbers, leading to service inconsistency between CF and CD;</p> <p>CAMEL-based services involving long forwarded-to numbers will not operate.</p>			
Accepted by TSG#		6		for late inclusion in Release 1999:	

Abstract of document:

[This work item introduces the mechanisms required to support long forwarded-to numbers.](#)

Contentious Issues:

[None](#)

CAMEL Phase 3

Release 1999 Submission form

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 23.079; TS 29.002; TS 29.078			
Tasks within work which are not complete:		<ul style="list-style-type: none"> ➤ Interactions between CAMEL-based CUG services & switch-based CUG services need resolution. ➤ Dialed service trigger criteria need to be refined. ➤ The handling of destination addresses for dialed services needs resolution. ➤ The precedence of a Release instruction between dialed service logic and subscribed service logic needs resolution. ➤ The interworking between default call handling for dialed service logic and subscribed service logic needs resolution. ➤ The modelling of multiple instances of the gsmSSF for subscribed and dialed services needs to be clarified. ➤ A decision is needed on whether CAP should specify a leg ID in the ContinueWithArgument operation, to give forward compatibility for the introduction of Call Party Handling. ➤ A decision is needed on whether to transport O-CSI trigger criteria in the Resume Call Handling operation, to allow for the use of criteria on the Route Select Failure DP in the GMSC on ORLCF. 			
Consequences if not included in Release 1999:		<p>Unpredictable interactions between CAMEL and CUG;</p> <p>Unnecessary signalling between gsmSSF & gsmSCF for dialed services;</p> <p>Unpredictable interactions between CAMEL-based subscribed services and dialed services;</p> <p>Unnecessary protocol version upgrade to allow support of CPH;</p> <p>Unnecessary signalling between GMSC and gsmSCF for some ORLCF call cases.</p>			
Accepted by TSG#		6	for late inclusion in Release 1999:		

Abstract of document:

[This work item introduces the Phase 3 enhancements for the CAMEL network feature.](#)

Contentious Issues:

None

Circuit Switched Bearers in UMTS

Release 1999 Submission form

Work Area / Item:		Circuit Switched Bearers in UMTS			
Affects:	UE/MS: X	CN: X	UTRAN:	Compatibility Issues:	Yes: X No:
Expected Completion Date:		03/00 (except BS 30 NT)			
Services impacted:		Circuit switched Bearer Services in UMTS and GSM			
Specifications affected:		TR: 23.910, TS: 24.022, 27.001, 27.002, 27.003, 29.007			
Tasks within work which are not complete:			a) lower user rates for NT services		
			b) handover between GSM and UMTS		
Consequences if not included in Release 1999:			a) MT calls with lower user rates might be cleared		
			b) handover between GSM and UMTS is not possible		
Accepted by TSG# 6 for late inclusion in Release 1999:					

Abstract of document:

The remaining GSM Bearer Services (after service clean-up) have to be provided in UMTS. These are the asynchronous (BS 20) and synchronous (BS 30) Bearer Services. An interworking between GSM and UMTS is required.

Contentious Issues:

- the need for lower user rates
- the solution used for handover (3 proposed solutions)

EDGE (N1 status on WI initiated from outside TSGN)

Release 1999 Submission form

Work area/Item:		EDGE (N1 status on WI initiated from outside TSGN)										
Affects :	UE/MS:	<input checked="" type="checkbox"/>	CN:	<input checked="" type="checkbox"/>	UTRAN:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Compatibility issues:	Yes:	<input type="checkbox"/>	No:	<input type="checkbox"/>
Expected completion date:		TSGN #6										
Services impacted:		High data rates										
Specifications affected:												
Tasks within work which are not complete:					N1 part completed							
Consequences if not included in R99:												
Accepted by TSG#		6	for late inclusion in Release 1999:									

Abstract of document:

[EDGE](#)

Contentious Issues:

[None.](#)

Follow Me

Release 1999 Submission form

Work Area / Item:		Follow Me			
Affects:	UE/MS:	CN: X	UTRAN:	Compatibility Issues:	Yes: No:
Expected Completion Date:		CN #6			
Services impacted:		Call Forwarding			
Specifications affected:		29.002, 03.94			
Tasks within work which are not complete:			None		
Consequences if not included in Release 1999:			Follow Me will not be available		
Accepted by TSG#		for late inclusion in Release 1999:			

Abstract of document:

This TS describes the technical realisation of the Follow-Me feature within the digital cellular telecommunications system. The Follow Me feature enables a mobile subscriber A to manipulate the Call Forwarding Unconditional or Follow Me data of a remote party B in such a way that subsequent calls directed to remote party B will be forwarded to subscriber A.

Contentious Issues:

None

Frame Tunneling Mode (FTM)

Release 1999 Submission form

Work Area / Item:		Frame Tunneling Mode (FTM) (former: Asynch – synch HDLC conversion)			
Affects:	UE/MS: X	CN: X	UTRAN:	Compatibility Issues: Yes:	No: X
Expected Completion Date:		completed			
Services impacted:		Asynchronous Bearer Services (BS 20)			
Specifications affected:		TS 27.001, 29.007, 22.002, 27.007			
Tasks within work which are not complete:					
Consequences if not included in Release 1999:					
Accepted by TSG# 6 for late inclusion in Release 1999:					

Abstract of document:

This WI requires a conversion between asynchronous and synchronous HDLC in the MSC/IWF. By means of this the asynchronous non-transparent Bearer Services can be used in the PLMN to access ISPs providing an access in ISDN via synchronous PPP.

Contentious Issues:

None

Gateway Location Register

Release 1999 Submission form

Work Area / Item:		Gateway Location Register			
Affects:	UE/MS:	CN: X	UTRAN:	Compatibility Issues: Yes: X No:	
Expected Completion Date:		TSG CN #07, March 2000			
Services impacted:		Internetwork signalling optimisation			
Specifications affected:		TS 23.119, 29.119, 29.120			
Tasks within work which are not complete:			<ul style="list-style-type: none"> ➤ Introduction of SDL diagrams for Location Management within the Stage 2 document ➤ The impact of CCBS within a GLR environment ➤ The interaction between the GLR and Super Charger 		
Consequences if not included in Release 1999:			Unnecessary internetwork signalling within the 3G network for Mobility Management		
Accepted by TSG# 6 for late inclusion in Release 1999:					

GSM – UMTS Interworking and MM in UMTS

Release 1999 Submission form

Work area/Item:	GSM – UMTS Interworking and MM in UMTS					
Affects:	UE/MS: X	CN: X	UTRAN: X	Compatibility Issues:	Yes: X	No:
Expected completion date:	3 / 00					
Services impacted:	Service continuity in GSM / UMTS area					
Specifications affected:	23.003, 23.009, 23.022, 23.108, 24.007, 24.008, 24.011, 27.001, 29.018					
Tasks within work which are not complete:	See task list in 30.804 (N1-99F37)					
Consequences if not included in R99:	<p>GSM – UMTS HO is one of the key issues in UMTS and lacking this feature means the following:</p> <p style="padding-left: 40px;">There would be no packet services (including PS SMS) in UMTS R99.</p> <p style="padding-left: 40px;">It would not be practical to add this feature later on as there would be many compatibility issues to tackle.</p> <p style="padding-left: 40px;">Having no GSM – UMTS HO would damage the service continuity in GSM footprint. Also the common CN part of the specification will cover both systems and both GSM and UMTS specifications would remain incomplete and inconsistent if the HO case is not covered.</p>					
Accepted by TSG#	6	for late inclusion in Release 1999:				

Abstract of document:

[Handovers between GSM and UMTS and the packet MM changes for UMTS](#)

Contentious Issues:



NP-99411.zip

GTP Evolution

Release 1999 Submission form

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:			<ul style="list-style-type: none"> ➤ An open issue is the level of separation between GTP-U and GTP-C. Is there a need for an enhanced protocol version-negotiation procedure? ➤ MM Context: New values for cipher algorithms. 33.102 (Security Architecture), defines 4 bits for the cipher algorithm, GTP currently has 3 bits. Other changes may be needed. ➤ PDP Context: RAB ID needed. New QoS parameters needed. ➤ New GTP-C message needed for hard handover – '<i>Forward SRNS context</i>'. 		
Consequences if not included in Release 1999:			No PS Domain services.		
Accepted by TSG# 6 for late inclusion in Release 1999:					

Contentious Issues:

An open issue is the level of separation between GTP-U and GTP-C. Is there a need for an enhanced protocol version-negotiation procedure? A drafting meeting is scheduled to reach agreement on the level of protocol version negotiation procedures (dd. 16 December 1999 – needs to be confirmed).

Modem and ISDN Interworking for GPRS

Release 1999 Submission form

Work Area / Item:		Modem and ISDN Interworking for GPRS				
Affects:	UE/MS: X	CN: X	UTRAN:	Compatibility Issues:	Yes:	No: X
Expected Completion Date:						
Services impacted:		This service is no more required.				
Specifications affected:						
Tasks within work which are not complete:						
Consequences if not included in Release 1999:						
Accepted by TSG#		for late inclusion in Release 1999:				

Abstract of document:

[This feature should provide an interworking between the GPRS and the ISDN/PSTN.](#)

Contentious Issues:

[The sense of such service was under discussion. S1 has decided that such service is no more needed.](#)

MS Classmark

Release 1999 Submission form

Work area/Item:	MS Classmark					
Affects:	UE/MS: X	CN: X	UTRAN:X	Compatibility Issues:	Yes:X	No:
Expected completion date:	12 / 99					
Services impacted:	GSM and UTRAN radio access, Ciphering, Multiband support etc.					
Specifications affected:	24.008, (04.18)					
Tasks within work which are not complete:						
Consequences if not included in R99:	It would be a major difficulty to introduce any changes to MS CM structure after R99 as this would immediately create a compatibility issue between the first UMTS phase 1 release and later releases.					
Accepted by TSG#	6	for late inclusion in Release 1999:				

Abstract of document:

[Partitioning the MS Classmark to AS and NAS parts](#)

Contentious Issues:

None.

Multiple Subscriber Profile Phase 2

Release 1999 Submission form

Work Area / Item:		Multiple Subscriber Profile Phase 2			
Affects:	UE/MS:	CN: X	UTRAN:	Compatibility Issues:	Yes: No:
Expected Completion Date:		CN #7			
Services impacted:		CAMEL Phase 3, Call Forwarding, Call Hold, Call Waiting, MPTY, ECT; CD, CLIR, CCBS			
Specifications affected:		23.018, 23.072, 23.078, 23.083, 23.084, 23.091, 23.093, 23.097			
Tasks within work which are not complete:			For the purpose of the MSP Phase 2 further enhancements of the CCBS SS notification procedures are required. This will have impact on 3G TS 23.078 (CAMEL), 23.097 (CCBS) and 3G TS 23.097 (MSP).		
Consequences if not included in Release 1999:			The MSP requirements according to TS 22.097 can not be fulfilled, i.e. Provision of SS on a per profile basis.		
Accepted by TSG#		6	for late inclusion in Release 1999:		

Abstract of document:

This work item defines the realisation of the second phase of the Multiple Subscriber Profile Supplementary Service. It is based on CAMEL Phase 3. CAMEL Phase 3 allows control of supplementary services by utilisation of the Service Interaction Indicator II. By that it is possible to apply supplementary services on a per profile basis.

Contentious Issues:

None

Out-of-Band Transcoder Control

Release 1999 Submission form

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.xyz, 24.008, (25.413)			
Tasks within work which are not complete:			<ul style="list-style-type: none"> ➤ Completion of stage 2. ➤ Dependency on the BICC is noted, however BICC is determined (stable for approval) at the ITU-T SG11 meeting, 22 November – 10 December 1999. ➤ It is agreed that the downlink selected codec is required. What is yet not agreed is whether this can be achieved using CC messages due to certain handover scenarios. What is not clear is if the principle that codec negotiation is part of call control is agreed by all. It is possible that this is agreed but the solution not clarified. 		
Consequences if not included in Release 1999:			<p><u>TSGN2</u>: Stage 2 Out of Band Transcoder Control has been concluded, and will be presented to N#6 as a R99 WI.</p> <p><u>TSGN1</u>: At call establishment for UMTS, the MSC is in control of transcoders as opposed to the BSS in GSM. The selected codec type must be informed to the UE (downlink). In GSM this task is performed by the BTS, but in UMTS the MSC must do this. There are then two protocols that could be used for this – Direct Transfer (Call Control message) or Radio Resource message.</p> <p>Second part is the handling of supported codecs for each radio access that can be used (handover). Currently only GSM types are defined. It should be possible to explicitly separate which types are applicable for each system.</p>		
Accepted by TSG# 6 for late inclusion in Release 1999:					

Abstract of document:

[End-to-end negotiation of the codec](#)

Contentious Issues:

- At which level should the supported codecs be indicated? CC or RR?
- Should the new speech codecs be added to existing BC IE or do we want to introduce a new IE.
- The criteria for the MS to send GSM and UMTS specific codec information?

QoS (N1 status on WI initiated from outside TSGN)

Release 1999 Submission form

Work area/Item:		QoS (N1 status on WI initiated from outside TSGN)			
Affects:	UE/MS: X	CN: X	UTRAN: (X)	Compatibility Issues: Yes: X No:	
Expected completion date:		TSGN #7			
Services impacted:		PS			
Specifications affected:		24.008			
Tasks within work which are not complete:			Almost complete with minor details to be CR'd by N1: <ul style="list-style-type: none"> • the length of TFT IE • QoS default values should be defined for unused code points rather than reserved which blocks future evolution. • QoS mapping between R98 and R99 is not completed in S2 and N1 have had no chance to review the result 		
Consequences if not included in R99:			No PS		
Accepted by TSG#	6	for late inclusion in Release 1999:			

Abstract of document:

[QoS](#)

Contentious Issues:

[None.](#)

R99 Service Clean up

Release 1999 Submission form

Work Area / Item:		R99 Service Clean up			
Affects:	UE/MS: X	CN: X	UTRAN:	Compatibility Issues: Yes:	No: X
Expected Completion Date:		03/00			
Services impacted:		Circuit switched Bearer Services			
Specifications affected:		03.10, 27.001, 27.002, 27.003, 29.007, 29.006, 23.054			
Tasks within work which are not complete:			a) Upgrade of 23.054 (Shared IWF) b) Upgrade related to BS 30 NT		
Consequences if not included in Release 1999:			a) SIWF not applicable for UMTS b) Services are specified that needs no more to be supported (BS 30 NT)		
Accepted by TSG#		6	for late inclusion in Release 1999:		

Abstract of document:

[Some circuit switched Bearer Services without any relevance for the practice are deleted.](#)

Contentious Issues:

None.

Real-time Fax (based on non-transparent Fax as in GSM 03.46) in UMTS/IMT2000

Release 1999 Submission form

Work Area / Item:		Real-time Fax (based on non-transparent Fax as in GSM 03.46) in UMTS/IMT2000			
Affects:	UE/MS: X	CN: X	UTRAN:	Compatibility Issues: Yes:	No: X
Expected Completion Date:		03/00			
Services impacted:		Circuit Switched Fax (TS 61/62)			
Specifications affected:		TS 23.146, 27.001, 27.003			
Tasks within work which are not complete:			Details and diagrams (SDL, MSC) to be included in TS 23.146 Remove existing inconsistencies in TS 23.146		
Consequences if not included in Release 1999:			There will be no circuit switched fax in UMTS. The provision of fax according to 22.945 is not impacted.		
Accepted by TSG# 6 for late inclusion in Release 1999:					

Abstract of document:

[The non-transparent fax solution of GSM has to be adapted to UMTS.](#)

Contentious Issues:

None.

Real-time Multimedia Step 1 and Step 2

Release 1999 Submission form

Work Area / Item:		Real-time Multimedia Step 1 and Step 2			
Affects:	UE/MS: X	CN: X	UTRAN:	Compatibility Issues: Yes:	No: X
Expected Completion Date:		03/00 (for fall back)			
Services impacted:		Multimedia H.324/M			
Specifications affected:		TS 27.001, 29.007, 24.007, 23.108, 24.008, 27.001			
Tasks within work which are not complete:			a) fall backs (R99) TR in 23.972 0.0.2		
Consequences if not included in Release 1999:			only the basic set-ups will work Multimedia is widely seen as one of the key features of the 3G. Lack of this feature in the first UMTS phase 1 specification would mean that it would not be possible to implement multimedia in a multivendor environment.		
Accepted by TSG#		6	for late inclusion in Release 1999:		

Abstract of document:

[This WI provides the circuit switched multimedia service.](#)

Contentious Issues:

None.

Security

Security (N1 status on WI initiated from outside TSGN)

Release 1999 Submission form

Work area/Item:		Security (N1 status on WI initiated from outside TSGN)			
Affects:	UE/MS: X	CN: X	UTRAN: (X)	Compatibility Issues:	Yes: No:
Expected completion date:		TSGN #7			
Services impacted:		Anything that has got with authentication and ciphering to do.			
Specifications affected:		24.008,...			
Tasks within work which are not complete:			<p>Several open issues, open item list in Tdoc N1-99E70 (30.810). It is possible to partition this WI and N1 proposal is to include what we have got now plus what will be completed due to other R99 WIs and include that to R99. The rest of the security issues should then be left to R00.</p> <p>NOTE: N1 has covered security issues mainly under other work items as in N1 security is often related with MM procedures which are subject to significant changes for R99 due to other work items.</p>		
Consequences if not included in R99:			Different kinds of security breaches depending on what issues are left out.		
Accepted by TSG#	6	for late inclusion in Release 1999:			

Abstract of document:

[Several security issues as defined by S3](#)

Contentious Issues:

[See 30.810](#)



NP-99548_TR(thisist
hedoc).rtf

Super Charger

Release 1999 Submission form

Work Area / Item:		Super Charger			
Affects:	UE/MS: X	CN: X	UTRAN:	Compatibility Issues: Yes: X No:	
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:			<ul style="list-style-type: none"> ➤ Release of TMSIs after purging ➤ The application of the Super Charger principle for GPRS Mobility Management 		
Consequences if not included in Release 1999:			Unnecessary signalling within the 3G network for Mobility Management		
Accepted by TSG#		6	for late inclusion in Release 1999:		

Support of PIAFS in UMTS

Release 1999 Submission form

Work Area / Item:		Support of PIAFS in UMTS			
Affects:	UE/MS: X	CN: X	UTRAN:	Compatibility Issues: Yes:	No: X
Expected Completion Date:		completed			
Services impacted:		Asynchronous Bearer Services (BS 20)			
Specifications affected:		TS 27.001, 29.007, 22.002, 27.007			
Tasks within work which are not complete:					
Consequences if not included in Release 1999:					
Accepted by TSG# 6			for late inclusion in Release 1999:		

Abstract of document:

[This WI enables the use of PIAFS \(PHS Internet Access Standard\) in UMTS.](#)

Contentious Issues:

[None.](#)

USSD Enhancements

Release 1999 Submission form

Work Area / Item:	USSD Enhancements				
Affects:	UE/MS: X	CN:	UTRAN:	Compatibility Issues:	Yes: No:
Expected Completion Date:	CN #6				
Services impacted:	USSD				
Specifications affected:	23.090				
Tasks within work which are not complete:	None				
Consequences if not included in Release 1999:	Application Mode of USSD will not be available.				
Accepted by TSG#	6	for late inclusion in Release 1999:			

Abstract of document:

This Work Item introduces the functions needed for support of the Application Mode of USSD. Procedures on the MS are enhanced.

Contentious Issues:

None