Work Item Description

Title**:** **3G-324M Improvements**

1 3GPP Work Area

	Radio Access
	Core Network
X	Services

2 Linked work items

None.

3 Justification

The 3GPP circuit-switched mobile video telephony standard 3G-324M is now being deployed in several countries and is one of the major services distinguishing 3G networks from 2G. The interest for the 3G324M service is high and will probably continue to be so in the near future. No major changes have been made to the 3G-324M specifications since 1999, although there now exist better alternatives for media encoding than originally specified and the service requirements have also become clearer.

4 Objective

To specify and agree on a number of minor backwards-compatible changes to the 3G-324M specifications that will improve the standard and are possible to incorporate in Release 6. The supporting companies are aware of the limited time until Rel-6 will be frozen and the intention is to keep the Rel-6 timeframe and not delay the release. This is also reflected in the detailed and focused bullet list below. The changes include, but are not limited to

- For improved media quality, introduce the codecs selected as part of 3GPP Packet Switch Conversational specifications as optional 3G-324M codecs, i.e.H.264 | AVC as optional video decoder, profile/level to be decided, and AMR-WB as optional speech codec.
- For improved compatibility, clarify in TR 26.911 that NSRP is not a windowed protocol (alternatively, explicitly allow it to be).
- For reduced application setup time, recommend in TR 26.911 that H.245 messages be concatenated into as few NSRP packets as possible.
- For improved compatibility, clarify in TR 26.911 that a UE must cope with a remote party having only “transmit” capabilities.
- For improved compatibility, clarify in TR 26.911 that a UE must cope with a remote party having only video or only audio capabilities.
- For improved compatibility, specify in TR 26.911 how codec and configuration conflicts during OpenLogicalChannel signalling shall be resolved through introduction of Master-Slave rules.

5 Service Aspects

The WI is mainly focusing on two aspects of 3G-324M: improved interoperability and enhanced user experience. The interoperability will be improved by clarifications added in TR 26.911, the user experienced will be enhanced by the addition of new codecs (speech and video), clarification of DTMF signaling and reduced set-up time.

6 MMI-Aspects

None

7 Charging Aspects

Outside the scope of SA4; however, existing 3G-324M charging models will still be valid.

8 Security Aspects

Outside the scope of SA4; however, the existing security features for 3G-324M will still be valid.

9 Impacts

Affects:	UICC apps	ME	AN	CN	Others
Yes		X			
No	X		X	X	X
Don't know					

10 Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
26.111		New optional codecs	SA#24 or SA#25	Depending on SA#23 decision on Rel-6
26.911		Clarifications	SA#24 or SA#25	Depending on SA#23 decision on Rel-6

11 Work item rapporteur

Bo Burman, Ericsson.

12 Work item leadership

SA WG4.

13 Supporting Companies

3, Ericsson, NEC, Nokia, NTT DoCoMo, Toshiba, Vodafone

14 Classification of the WI (if known)

x	Feature (go to 14a)
	Building Block (go to 14b)
	Work Task (go to 14c)

14a The WI is a Feature: List of building blocks under this feature

(list of Work Items identified as building blocks)

14b The WI is a Building Block: parent Feature

(one Work Item identified as a feature)

14c The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)