Work Item Description

Title: Transparent End-to-End Packet switched mobile streaming application

1 3GPP Work Area

	Radio Access
	Core Network
X	Services

2 Linked work items

None

3 Justification

Streaming of audio and video is already a big application area on the Internet today, and there is a number of non-compatible proprietary solutions, leading to that a number of streaming clients may need to be installed and updated.

For mobile streaming applications, there are some new issues:

- For terminals which have limited possibility of software plug-ins, the coupling between the browser and the streaming client need to be addressed, as well as a default set of the streaming protocols and codecs.
- Connection time may be very costly, so that bad quality streaming is less tolerable than on the Internet today. The use of the existing 3G bearers and the quality achievable should be assessed.

A standardized mobile streaming solution will enable a multitude of streaming applications to be deployed in 3G systems. With a standardized solution, content providers can reach many more customers without needing many different servers. The users can also access much more content.

4 Objective

Standardization of the components of a mobile streaming service, including streaming protocols, media transport protocols, multimedia codecs.

Harmonization with existing and emerging 3GPP multimedia applications will be considered whenever possible.

5 Service Aspects

The WI will define the necessary components for a mobile streaming service.

6 MMI-Aspects

None

7 Charging Aspects

The mobile streaming application will allow various charging models.

8 Security Aspects

Transport security aspects will be covered. Possibility for Harmonization of security mechanisms between different multimedia applications will be considered.

9 Impacts

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

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
26.xxx	Mobile streaming application: General description	S4	S2, T2		3GPP TSG SA#10	
26.yyy	Mobile streaming application: Protocols and codecs	S4	S2, T2		3GPP TSG SA#10	

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11 Work item rapporteur

Ericsson

12 Work item leadership

TSG SA WG 4

13 Supporting Companies

Ericsson, Motorola, Nokia, NTT DoCoMo, Siemens, Texas Instrument, Toshiba, Bouygues Telecom

14 Classification of the WI (if known)

	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 Feature: **Provisioning of IP-based multimedia services**; parent Building Block: **Call control and roaming to support IP-based multimedia services in UMTS**.

(one Work Item identified as a building block)