

19- 22 November 2002**Oxford, UK**

TSG-SA4#24 meeting
November 11-15, 2002, Redmond, WA, USA***Tdoc S4 (02)0733***

Title: LS on "Work Item Description PSS Rel-6"

Response to: LS S5-024469 on "Draft Work Item Description PSS Rel-6 from SA4"

Release: Release 6

Work Item: PSS

Source: SA4

To: SA5

Cc: SA1, SA2, SA3 and T2

Contact Person:

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Attachments: S4-020732, "Work Item Description PSS Rel-6"

1. Overall Description:

SA4 wants to thank SA5 for the LS S5 (02)4469, that provides SA4 with comments on the Draft Work Item Description PSS Rel-6. SA4 appreciates SA5's comments on Charging to the WID. The comments have been incorporated in the updated WID included in this LS. The WID will be presented for approval to the next TSG meeting SA#18.

SA4 is looking forward to a fruitful cooperation with SA5 on the charging aspects of PSS.

2. Actions:

For information, no action expected.

3. Date of Next TSG-SA5 Meetings:

Meeting	Date	Location	Host
SA4#25	20 th – 24 nd January 2003	San Francisco, CA, USA	AT&T
SA4#25"	24 th – 28 th February 2003	TBD	TBD
SA4#26	5 th – 9 th May 2003	TBD	TBD

Work Item Description PSS Rel-6

Title

PSS Rel-6

1 3GPP Work Area

	Radio Access
	Core Network
✓	Services

- 2 Linked work items**
IMS Phase2 (Internet Protocol Multimedia Sub-system)
MMS (Multimedia Messaging Service)
End to End QoS (Concept and Architecture) for PS Domain
Charging Management
MBMS
GUP

3 Justification

Following on from the PSS-E specifications developed under Rel-5, there is now a need to address more advanced aspects under Rel-6.

4 Objective

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

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

PSS Rel-6 solution will be based on and therefore should provide full backwards compatibility with the Rel5 Extended Streaming solution.

This work item will cover:

- Support for service adaptation
 - Enabling adaptation based on capability exchange, including user preferences.
 - Support adaptation to varying network conditions.
 - Adaptation to network capabilities and characteristics (GERAN, UTRAN and WLAN).
- Consideration of introduction of new codecs and formats.
- Harmonized streaming support for MMS.

- Consideration of introduction of a server file format and a file format for progressive download.
- Real time monitoring of application level QoS.

The following bullets are related to the linked work items (under the responsibility of other working groups or other standardisation bodies):

- DRM specific impacts on PSS, if any.
- IMS specific impacts on PSS, if any.
- MBMS specific impacts on PSS, if any.
- Charging specific impacts on PSS, if any.

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, e.g. time based, volume based, service usage based.

8 Security Aspects

Transport and content 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		✓			
No					
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	
26.233		Transparent end-to-end packet switched streaming service; General description (PSS)		SA#20	Rel-6	
26.234		Transparent end-to-end packet switched streaming service; Protocol and codecs (PSS)		SA#20	Rel-6	
22.233		Stage 1, streaming			SA1 is responsible for this document	
		Stage2, streaming (non-transparent aspects)			SA2 is responsible for this potential document	

11 Work item rapporteur

Olle Franceschi

12 Work item leadership

TSG SA WG 4

13 Supporting Companies

AT&T Wireless, Ericsson, Nokia, NTT DoCoMo, Philips, Emblaze Systems, Orange, Serome Technology, Packet Video, Vimatix, Hutchison 3G, Siemens, Microsoft, Coding Technologies, Fraunhofer

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)