TSG-SA WG 1 (Services) Streaming SWG #1   **S1-021700**
Rome, Italy, July 11 2002   **Agenda Item:**

Title:	LS reply on "Answer to "LS on PSS Release 6 work programme""
Source:	SA1
To:	SA4
Cc:	SA2, SA3, SA5, T2
Response to:	LS S1-021411 (S4-020346)

Contact Person:
    Name: Linda Werneman
    Tel. Number: +46 46 231646
    E-mail Address: linda.werneman@emp.ericsson.se

Attachments:

1. Overall Description:

SA1 thanks SA4 for the LS on "Answer to "LS on PSS Release 6 work programme" and would like to do the following comments which are included below in bold,

SA1 would also like to thank the SA4 delegates who attended the joint meeting.

- Adaptation
    o Pre-transport adaptation,
      will have connections to the GUP work (SA2).
    o Transport adaptation,
      is partly covered in TR 26.937. Any architectural impacts should be handled together with SA2.
    o Access network influence
      also described in TR 26.937.

SA1 comment,
Transport adaptation that effects other specifications outside of PSS should be communicated to other appropriate 3GPP groups since there might be implications on other features apart from Streaming.

SA1 has ongoing GUP work. While work on stage 1 of GUP (22.240) is still not yet in a final phase we would like to draw SA4's attention to some GUP aspects, which we believe might be interesting as preliminary information to SA4:
- ch 4.1.1 Intended Usage of the Generic User Profile
– ch. 4.4 contents of GUP

From the end users point of view the PSS service should work transparently within different access networks including UTRAN, GERAN and WLAN.

- New codecs and formats. Update and extensions to existing codecs and formats.
SA1 comment,
As new services such as MBMS and IMS messaging will also require codecs, media formats and file formats, any codecs, media formats or file format defined for PSS should also be considered for applicability to these new services.

- MMS interworking
  S4 has responsibility for media formats and codecs. Main responsibility for the service is in T2.

SA1 comment,SA1 has the stage 1 MMS responsibility and therefore kindly asks SA4 to copy SA1 on the LSs sent between SA4 and T2 regarding MMS.

- File format
  for MMS interworking and other use cases such as progressive download and server use, to be studied.

SA1 comments,
SA1 want to highlight the importance of a server file format.

- DRM
  depending on the status of DRM in R6 we might need to update PSS. S4 has responsibility for codec aspects for DRM.

SA1 comment,
The DRM stage 1 specification, 22.xxx, for Rel 6 has been approved by SA and is put under change control.

- MBMS
  depending on the status of MBMS in R6 we might need to update PSS. The requirements should come from SA1.

SA1 comment,
SA1 sees a strong linkage between streaming and MBMS and will consider this further.

- Reuse of IMS infrastructure for PSS

SA1 comment,
SA1 has not yet considered if there is any needed impact on SA1 specifications.

- PSS QoS Metrics
  End-to-End QoS measurements and reporting for PSS.

SA1 comment,
SA1 consider this as an important issue. QoS Metrics methods will also be used in other services. SA1 is planning to get back to SA4 with use cases in regards of this issue.

- Implications of IPv6

SA1 comment,
SA1 believes that SA2 has the expertise in this area.

SA1 will work further on the Rel 6 PSS requirements and will as a first step consider the impact of PSS on all of SA1 SWGs. The SA1 SWGs as of now are,

IMS
Push
Priority Services
Network Sharing
Messaging
WLAN
DRM
MBMS,
GUP
LCS (Location Services)
SES (Speech Enabled Services)
OSA (Open Service Architecture)
Streaming
Presence

2. Actions:

SA1 kindly requests SA4 to send the Rel6 PSS WID when available.

3. Date of Next SA1 Meetings:

Title	Date	Location	Country
SA1#17	12 – 16 Aug 02	Durango, CO	North America
SA1 SWGs	14 - 18 Oct 02	Beijing	China
SA1#18	11-15 Nov 02	Busan	South Korea