

Title: LS on service announcement and UE joining procedure
Source: SA3
To: SA1, SA2, SA4
Cc: -

Contact Person:

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Attachments: None.

SA3 is currently working on the MBMS key management architecture. SA3 has discussed that different traffic data protection mechanisms may be adopted for different MBMS services, and believes that it may be necessary to broadcast this traffic protection mechanisms information to all UEs in the service announcement, with the consideration that some users may abandon to join one specific service because of some specific data protection mechanism adopted.

And SA3 also believes that the initial MBMS encryption key (KEY) should not be distributed to UEs too early for security reasons in case KEY is stored in the ME. It is also believed beneficial to combine this initial KEY distribution procedure with the UE joining procedure for the consideration of reducing signalling load. Thus, one possible solution considered by SA3 is that the network shall indicate the "Joining Availability Time" in the service announcement for one service. This "Joining Availability Time" denotes the starting time after which MBMS users can join an MBMS service. The initial KEY shall be distributed from the network to the UE among the UE joining procedure. A UE-joining request before "Joining Availability Time" may not be accepted by network.

Action on TSG SA WG2

SA2 is kindly asked to consider whether it is feasible to include the traffic protection mechanism indication in the Service Announcement and inform SA3 about SA2's decision.

SA2 is also kindly asked to evaluate whether the proposed "Joining Availability Time" is feasible or not from SA2's viewpoint and inform SA3 about SA2's decision.

Action on TSG SA WG4

SA4 is kindly asked to consider whether it is feasible to include the traffic protection mechanism indication in the Service Announcement and inform SA3 about SA4's decision.

SA4 is also kindly asked to evaluate whether the proposed "Joining Availability Time" is feasible or not from SA4's viewpoint and inform SA3 about SA4's decision.

Action on TSG SA WG1

SA1 is kindly asked to advice on their expectations on the range of values for this Joining Availability Time to meet customer expectations for the service.

Date of Next SA3 Meetings:

SA3#32	09-13 February 2004	Europe (TBD)
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