TSG-RAN Meeting #17   *RP-020562*
Biarritz, France
3rd-6th September 2002

Title:	**Status Report of WI "Introduction of the Multimedia Broadcast Multicast Service (MBMS) in RAN"**
Document for:	**Approval**
Source:	**Nokia (WI Raporteur)**
Agenda Item	**8.5.1**

Status Report for WI to TSG

Work Item Name: "Introduction of the Multimedia Broadcast Multicast Service (MBMS) in RAN"

SOURCE: Nokia (Dimitris Koulakiotis)   **TSG:** RAN WG2

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Ref. to WI sheet: <for RAN this should be: RAN_Work_Items.doc>

Progress Report since the last TSG (for all involved WGs):

MBMS discussions took place in both RAN2/3#30 and RAN2/3#31.

A half day MBMS session took place during RAN2#30 where the contributions discussed, mainly addressed the MBMS RAN requirements and functions. The outcome of the discussions was captured in the first draft of the TR 25.cde "Multimedia Broadcast Multicast Service (MBMS); UTRAN/GERAN Requirements". In addition, a number of MBMS UTRAN architectural contributions were presented. The issue of idle/connected mode reception was debated and as a result SA1 & SA2 were liased and asked to provide clarifications .
A few UTRAN MBMS architectural papers were presented during RAN3#31.

Nearly a whole day session, which also included a joint meeting with RAN3, was allocated to MBMS discussions during RAN2#31. The main purpose of the joined meeting was to clarify the UTRAN architectural MBMS proposals. Some agreements were reached and architectural discussions are expected to provide more conclusions in RAN2#32 (following of which, SA2 will be leased accordingly). The reply LS (R2-022376) from SA1 on idle/connected mode reception was also presented.

During RAN2#31 the first version of the TR 25.cde "Multimedia Broadcast Multicast Service (MBMS); UTRAN/GERAN Requirements" was approved and the first version of the skeleton of TS 25.cde "Introduction of Multimedia Broadcast Multicast Service (MBMS) in RAN" was endorsed.

List of Completed elements (for complex work items):
?? TSG SA1: Stage-1 (TS-22.146) has been completed.
?? TSG SA2: Stage-2 (TR 23.846) has identified a number of MBMS architectural options and has been submitted for approval to SA#17.

List of open issues:
?? Completion on RAN MBMS functions and descriptions.
?? UTRAN MBMS architecture principles.
?? MBMS Notifications solution(s).
?? Consideration of Soft handover in MBMS.
?? MBMS Ciphering issues.

Estimates of the level of completion (when possible):
Rel-6.

WI completion date review resulting from the discussion at the working group:
Alignment with the equivalent TSG SA WG2 WI on MBMS architecture i.e. Rel-6

References to WG's internal documentation and/or TRs:
During RAN2#31:
The first version of the TR 25.cde " Multimedia Broadcast Multicast Service (MBMS); UTRAN/GERAN Requirements " was approved and the skeleton of TS 25.cde " Introduction of Multimedia Broadcast Multicast Service (MBMS) in RAN" was endorsed.