

3GPP TSG-GERAN WG2 Meeting #14  
Munich, Germany  
8 – 10 April 2003

TDoc GP#14(03)0914

**Title:** Reply to LS on double ciphering for MBMS multicast data.  
**Response to:** LS on double ciphering for MBMS multicast data (GP-030478/S3-030156)  
**Release:** Release 6  
**Work Item:** Multimedia Broadcast and Multicast Service (MBMS)

**Source:** TSG GERAN  
**To:** SA3  
**Cc:** CN1, RAN2

**Contact Person:**  
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**Attachments:** None.

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### 1. Overall Description:

GERAN2 would like to thank SA3 for their Liaison Statement LS (S3-030156/GP-030478) on double ciphering for MBMS multicast data and for the opportunity to comment on this issue. GERAN2 has understood that ciphering will be applied between the BM-SC and UE/MS and that existing ciphering mechanisms (i.e. at the LLC layer, for *A/Gb mode*, and within the RAN, for *Iu mode*) need not be activated.

In response to request from SA3: "SA3 asks GERAN2 to comment on the feasibility of turning off selectively the Gb-mode ciphering in case the multicast data is handled." GERAN2 can provide the following information:

- 1) In GERAN *A/Gb mode* ciphering is completed at the LLC layer, with each LLC PDU indicating if ciphering is used.
- 2) In GERAN *Iu mode* it is possible to switch on or off ciphering on a Radio Bearer basis.

Although this issue with ciphering has not been researched fully, GERAN2 does not believe that turning off the ciphering for a specific bearer to be a concern.

### 2. Actions:

none.

### 3. Date of Next TSG-GERAN WG2 Meetings:

|                              |   |                |
|------------------------------|---|----------------|
| TSG-GERAN WG2 Meeting #14bis | 19 <sup>th</sup> – 23 <sup>rd</sup> May 2003  | San Diego, USA |
| TSG-GERAN WG2 Meeting #15    | 24 <sup>th</sup> – 26 <sup>th</sup> June 2003 | TBD            |