TSG-RAN Working Group 2 (Radio layer 2 and Radio layer 3)   *TSGR2#6(99)925*

Sophia Antipolis 16th to 20th August 1999

Agenda Item: 4.3

Source: LGIC

Title: CR to 25.303 on Traffic Volume Monitoring Procedure

Document for: Approval

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1. Overview

This document proposes changes to 25.303 based on the agreement on MAC assisted Dynamic Radio Access Bearer Control presented at the last WG2 meeting.
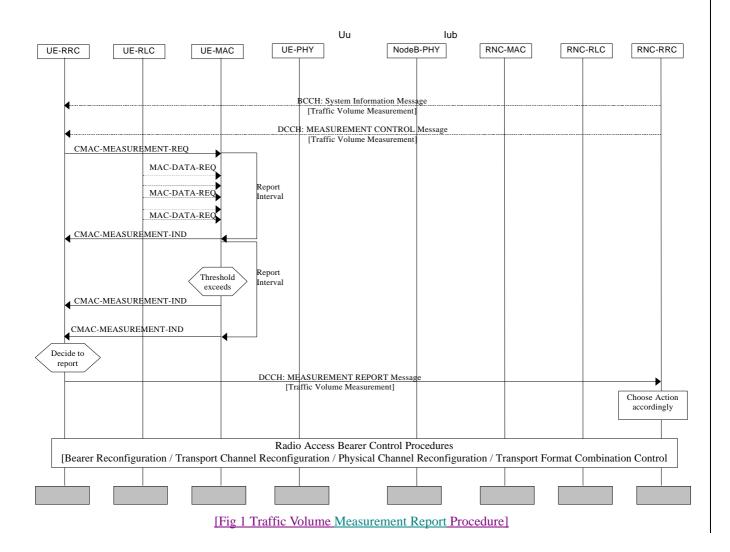

2. Proposed Changes

3G CHANGE REQUEST

25.303 CR **006**   Current Version: 3.0.0

3G specification number ↑   *↑ CR number as allocated by 3G support team*

For submission to TSG   RAN#5   for approval **X**   *(only one box should*
      list TSG meeting no. here ↑   for information ☐   *be marked with an X)*

Proposed change affects: USIM ☐   ME **X**   UTRAN **X**   Core Network ☐
(at least one should be marked with an X)

Source:	LGIC	**Date:**	19/08/99

Subject: RRC Traffic Volume Monitoring Procedure

3G Work item:

Category: F   Correction   ☐
              A   Corresponds to a correction in a 2G specification   ☐
(only one category   B   Addition of feature   **X**
shall be marked   C   Functional modification of feature   ☐
with an X)   D   Editorial modification   ☐

Reason for change: Addition of RRC procedure for traffic volume measurement.

Clauses affected: 8

Other specs affected:
Other 3G core specifications	☐	→ List of CRs:	
Other 2G core specifications	☐	→ List of CRs:	
MS test specifications	☐	→ List of CRs:	
BSS test specifications	☐	→ List of CRs:	
O&M specifications	☐	→ List of CRs:	

Other comments:

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help.doc

8. Traffic Volume Monitoring

Figure 1 illustrates the example of message sequence of traffic volume monitoring procedure. RRC in UE gets the parameters necessary for traffic volume measurement from Measurement Control message or System information message sent by RRC in UTRAN. RRC in UE passes the MAC the parameters for traffic volume measurement with the CMAC-Measurement-REQ. Meanwhile, RLC passes the data to MAC with buffer status. There are two ways MAC indicates the traffic volume measurement report to RRC, periodic and event-triggered. If it is periodic report, the MAC reports the measurement result to RRC periodically. If it is event-triggered, MAC in UE reports the measurement result to RRC when the result is beyond the spefcied threshold value. After that, based on the measurement report from MAC and reporting criteria received from UTRAN, RRC makes a decision whether it should send Measurement Report Message to UTRAN. When RRC in UTRAN receives the Measurement Report Message, it takes a proper action based on the measurement report from UE. It can be bearer reconfiguration, transport channel reconfiguration, physical channel reconfiguration or transport channel combination control procedure. The report mode, periodic and event-triggered, can be used exclusively, or simultaneously as shown in figure 1.

[Fig 1 Traffic Volume Measurement Report Procedure]