Agenda Item:

Source: **Ericsson**

Title: **Admission and Congestion Control Functions**

Document for:

1.   INTRODUCTION

The purpose of this contribution is to introduce two more functions to section 11.2.1 in [1] which address the Functions Related to Overall System Access Control. We propose two new sections, addressing the admission and congestion control functions. Section 2 contains the proposed new text and section 3 specifies our proposed changes.

2.   FUNCTIONS RELATED TO OVERALL SYSTEM ACCESS CONTROL

[Text from section 11.2.1]

2.1   Admission Control

The purpose of the admission control is to admit or deny new users, new radio access bearers or new radio links (for example due to handover). The admission control should try to avoid overload situations and base its decisions on interference and resource measurements. The admission control is employed at for example initial UE access, RAB assignment/reconfiguration and at handover. These cases may give different answers depending on priority and situation.
This function is located in the RNC.

2.2   Congestion Control

The task of congestion control is to monitor, detect and handle situations when the system is reaching a near overload or an overload situation with the already connected users. This means that some part of the network has run out, or will soon run out of resources. The congestion control should then bring the system back to a stable state as seamless as possible.

This function is located in the RNC.

2.3   System Information Broadcasting

[Text from section 11.2.1.1]

3.   PROPOSAL

Proposal: In order to get a more complete description of Functions Related to Overall System Access Control used in UTRAN, we propose that section 2 in this paper is added to 11.2.1 in [1] with the structure indicated in section 2.

4.   REFERENCES

[1]   ZZ.01, UTRAN Architecture Description, ver. 0.1.0.