

Agenda Item: 9.1
Source: NTT DoCoMo
Title: **Proposal on removal of BGN/BGAK/BGREJ**
Document for: Decision

1. Introduction

This paper reviewed the necessity of BGN/BGAK/BGREJ because the necessity of them has not been clarified yet. As a result this paper proposes to remove BGN/BGAK/BGREJ.

2. Discussion

Regarding BGN/BGAK/BGREJ for explicit establishment of RLC connection, the following two uses have been considered.

- 1) Indication of the credit value for flow control to peer-entity
- 2) Acknowledgement for "RRC CONNECTION SETUP"

- 1) There are two means to transfer the credit value. One is BGN/BGAK/BGREJ and the other is RRC message. As the former transfer only credit value and the rest part is filled with PAD, considering the efficient use of bandwidth over air interface, the latter is preferable.
- 2) According to the note in chapter 8.1.2 of [1], "The necessity of an explicit RRC Connection Setup Complete message from the UE to the UTRAN on layer 3 is FFS. One assumption is that there is an explicit layer 2 peer-to-peer signaling to establish the signaling link, making explicit RRC Connection Setup Complete unnecessary", so if explicit establishment of RLC connection is not performed, "RRC CONNECTION SETUP" will be acknowledged by RRC message.

3. Conclusion

From the above discussion, it can not be seen any necessity of BGN/BGAK/BGREJ and it does not cause any problem even if explicit establishment is not performed by them. Therefore it is proposed to remove BGN/BGAK/BGREJ from RLC PDUs.

4. References

- [1] TS 25.331 V1.0.0 RRC protocol specification