

Agenda Item:

Source: Allgon

Title: The use of repeaters in UTRA

Document For: Discussion

1 Introduction

In this document the use of repeaters in UTRA is highlighted. It is intended as a starting point for a discussion among the RAN WG4 delegates regarding the support for a repeater specification in UTRA.

2 Discussion

The use of repeaters has proven to be useful for extending the coverage into buildings, train/car tunnels, subways, etc in 2nd generation systems. We therefore believe that such a product also would be useful in UTRA.

For operators without the capability of handover to 2nd generation systems, extending the coverage of UTRA will be of importance especially at the initial roll-out stage. For operators with capability of handover to 2nd generation systems, user requirements (e.g. high data rates) may not be met by those systems and extended UTRA coverage might be needed.

For the installation of repeaters in cellular networks a specification is needed in e.g. Europe due to regulatory requirements.

3 Conclusion

In the event of support from the WG4 delegates regarding the use of repeaters in UTRA, Allgon invites other interested parties to participate in the initiation of the work of a repeater specification. However, realizing the tight time schedule for release '99 we suggest that the introduction of a repeater specification should be considered primarily for release 2000.