Wireless Communications
Exercise 6

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Problem 1

1. What is the main content and aim of mobility management in mobile networks?

2. What are the area boundaries in UTRAN? What are the area boundaries in E-UTRAN?

3. Explain the trade-off between location update cost and paging cost.
Problem 2

1. What is handover in a cellular system? Why is handover used?

2. Describe various handover techniques used in mobile networks.

3. What are the differences between hard and soft handover methods? Why is soft handover abandoned in E-UTRAN?