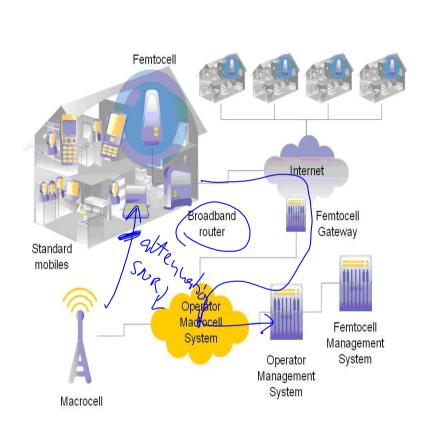


(in ws) Mobile Virtual	Network Operator
Mobile hetwork	MNO MVNO i MVNO
- access hotwork	X hois
- trunsport betwork	(x)
- anthuh cahion of billing	
b" Why	



Range ~ pady loss = 2 Capacity ~ SNR, BW, MIMO Channel bundling

Channel bundling

Channel bundling

Channel bundling

Channel bundling

Alaborate

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- more cells 100-100 h

- high By

at low fig.

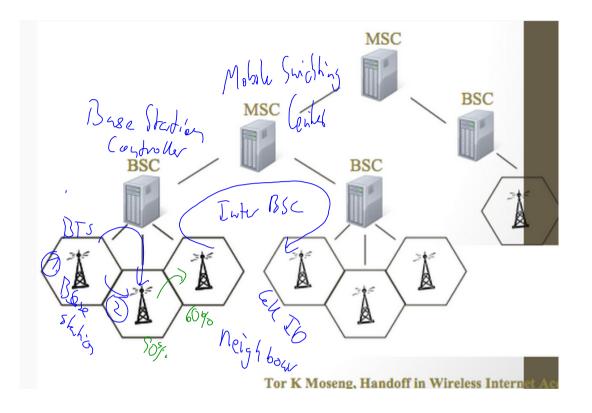
Remaining Lectures 28 Nov (12 Dec Franz") Indiv. fredbreh

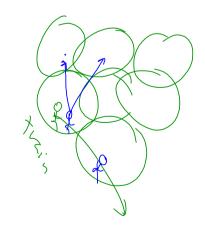
Final Prosetation -) (en m' 0 - folis on input humbrs - Simulation results - Evaluation - Sinsihinty - short comings - Conchistons

Mobility Principles V>100 hm/h & 20 Mb, 4/s Continuous mobility enables continuous availability of services while the user moves

Discrete mobility enables the availability of services within certain areas and for certain access points, e.g home and office, but not while moving from one area to another.

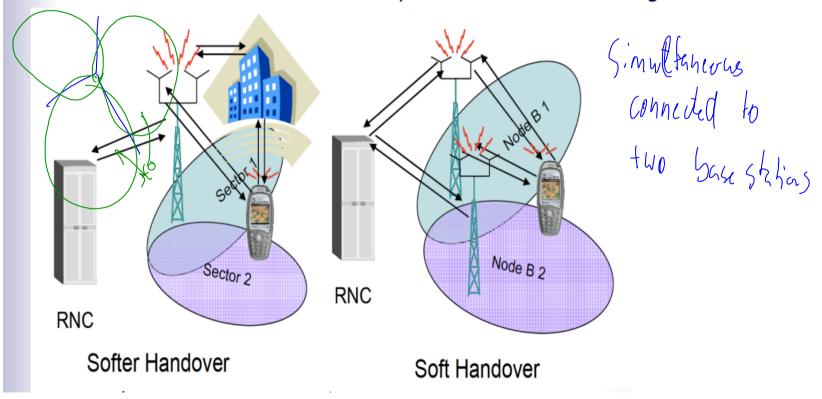
Portability is an example of discrete terminal mobility, where it is only allowed to move a terminal from one plug to another.





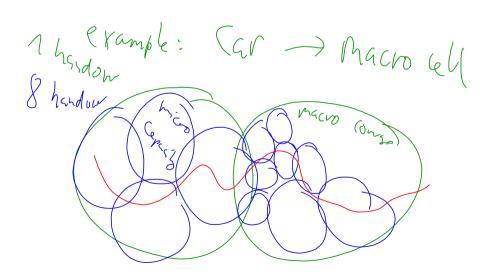
Softer Handover

- Softer handover is a special case of soft handover where the radio links that are added and removed belong to the same Node B.
- In softer Handover, the NodeB can receive the signal in macro diversity with maximum ratio combining.
- In soft handover macro diversity with selection combining is selected.



Handoff And Performance

- Handoffs are expensive to execute, so unnecessary handoffs should be avoided.
- If the handoff criteria are not chosen appropriately, then in the overlapping region between the two BS coverage area boundaries, the call might be handed back and forth several times between them.
- If the criteria are too conservative, then the call may be lost before the handoff can take place.
- The handoff decision-making criteria become even more critical with the evolution to smaller cell sizes, which is happening to increase the capacity of systems and to reduce power requirements of MSs.
- Unreliable and inefficient handoff procedures will reduce the quality and reliability of the system.



Unsolved Issues in Mobility

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- policies during ruess