

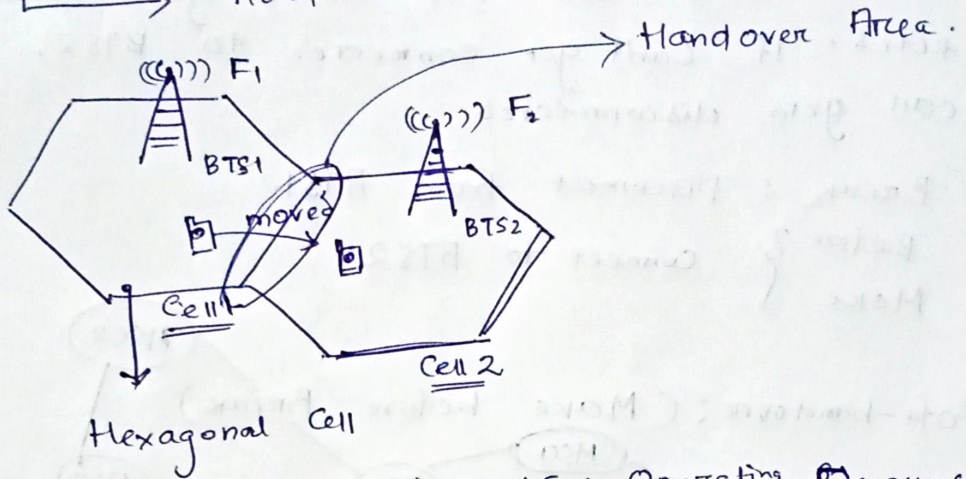
GSM Handover or Hand off

UK

US

Soft-Handover

Hard-Handover.



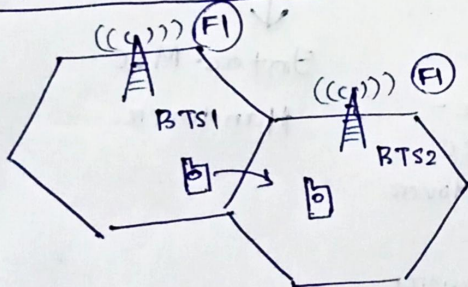
BTS: Tower near house. F_1 & F_2 : Operating frequency of BTS1 & BTS2

User moves from Cell 1 to Cell 2.

Note: Handover doesn't occur for changing cell but changing BTS

* If frequency also changes along with cell, called

HARD HANDOVER



* Here, Cell & BTS changes. But frequency is constant.
i.e. Soft Handover

Hard Handover: Also called Break Before Make, why?
↓
2G & 4G.

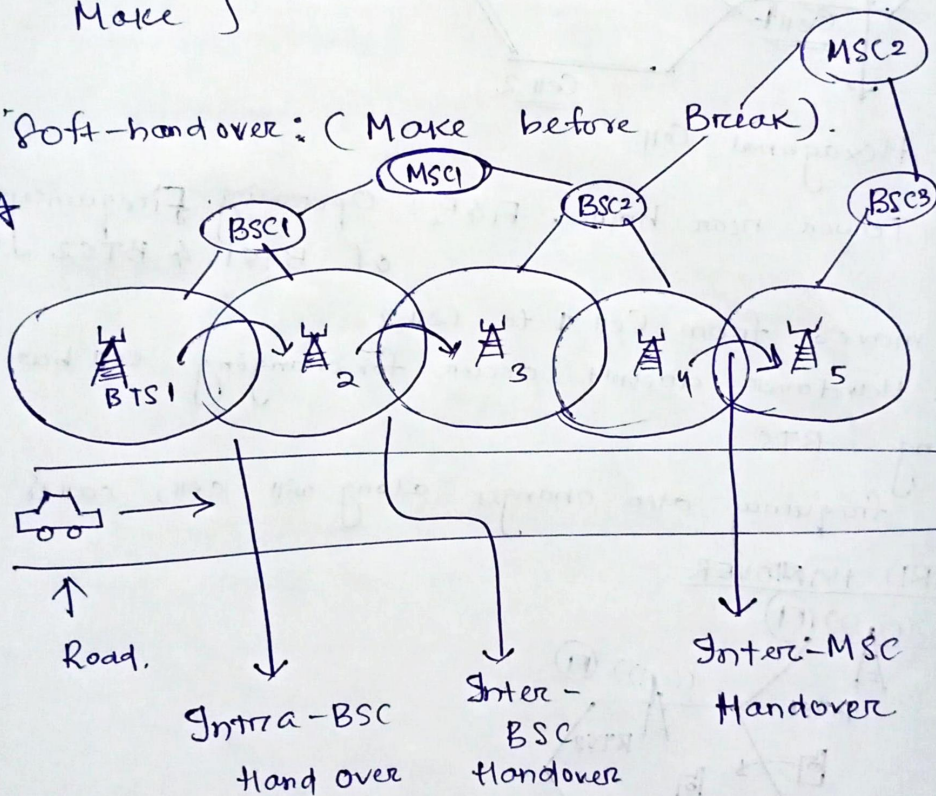
P.T.O

★ When an user moves from cell 1 to cell 2, In the handover area, the ~~network~~ phone gets disconnected from BTS 1 & connects to BTS 2. During this phase a beep ~~is~~ sound comes. But call don't get disconnected. If can't get connected to BTS 2, call gets disconnected.

Break : Disconnect from BTS 1.
 Before } Connect to BTS 2.
 Make }

Soft-handover: (Make before Break).

★



BSC : Someone ^{who} manages towers.

MSC : Who manages BSC