



CREW

Cognitive Radio Experimentation World



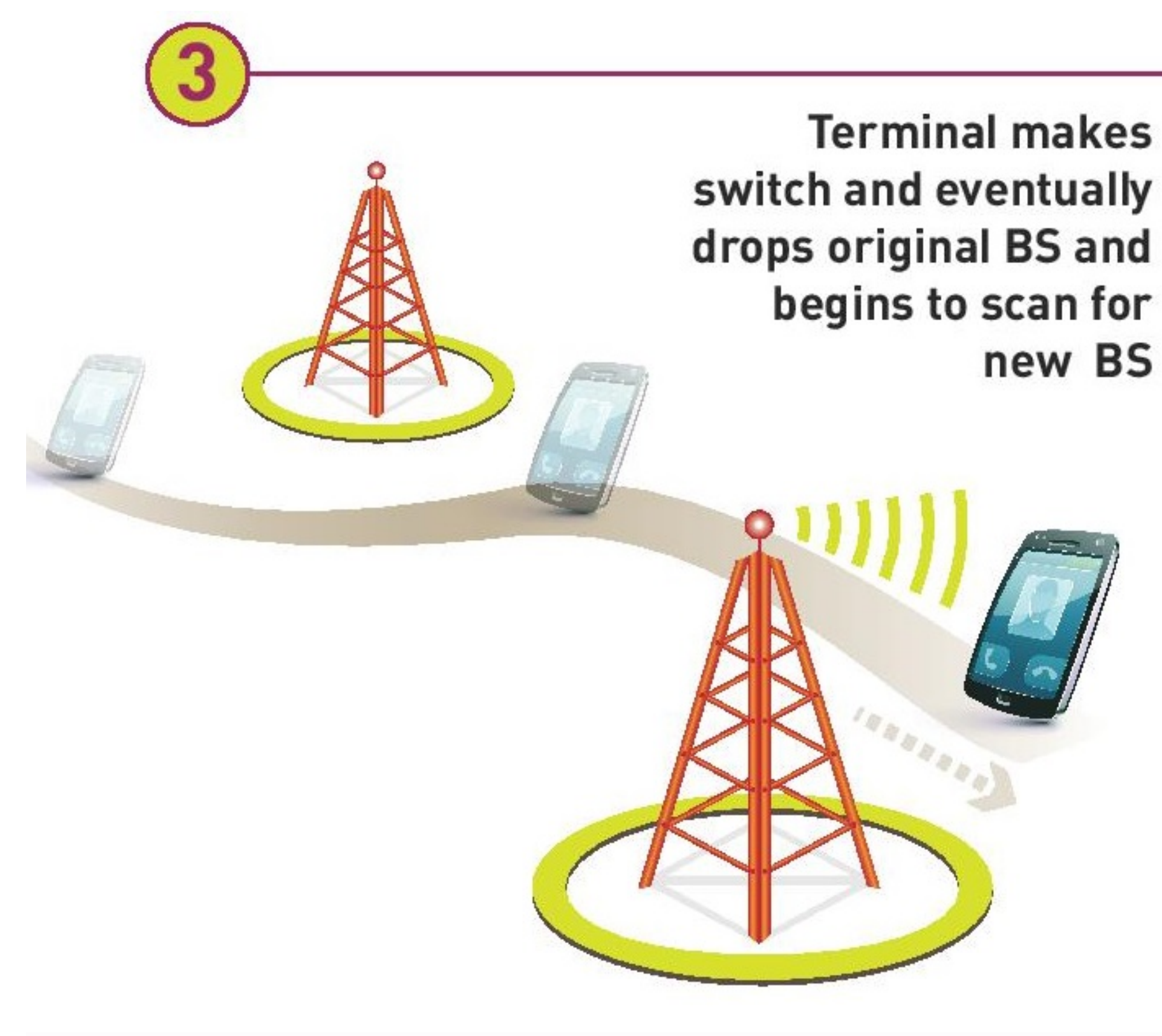
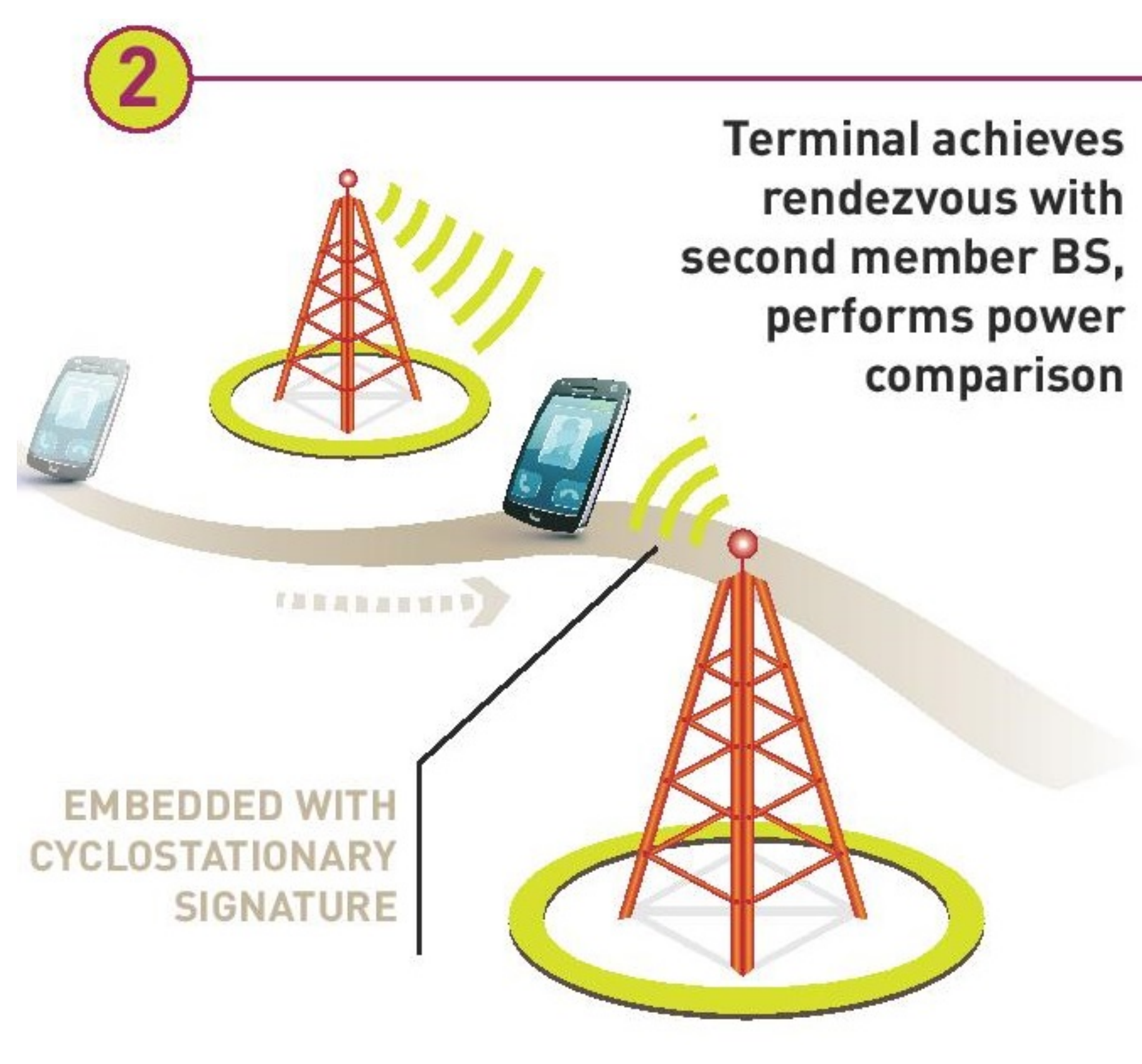
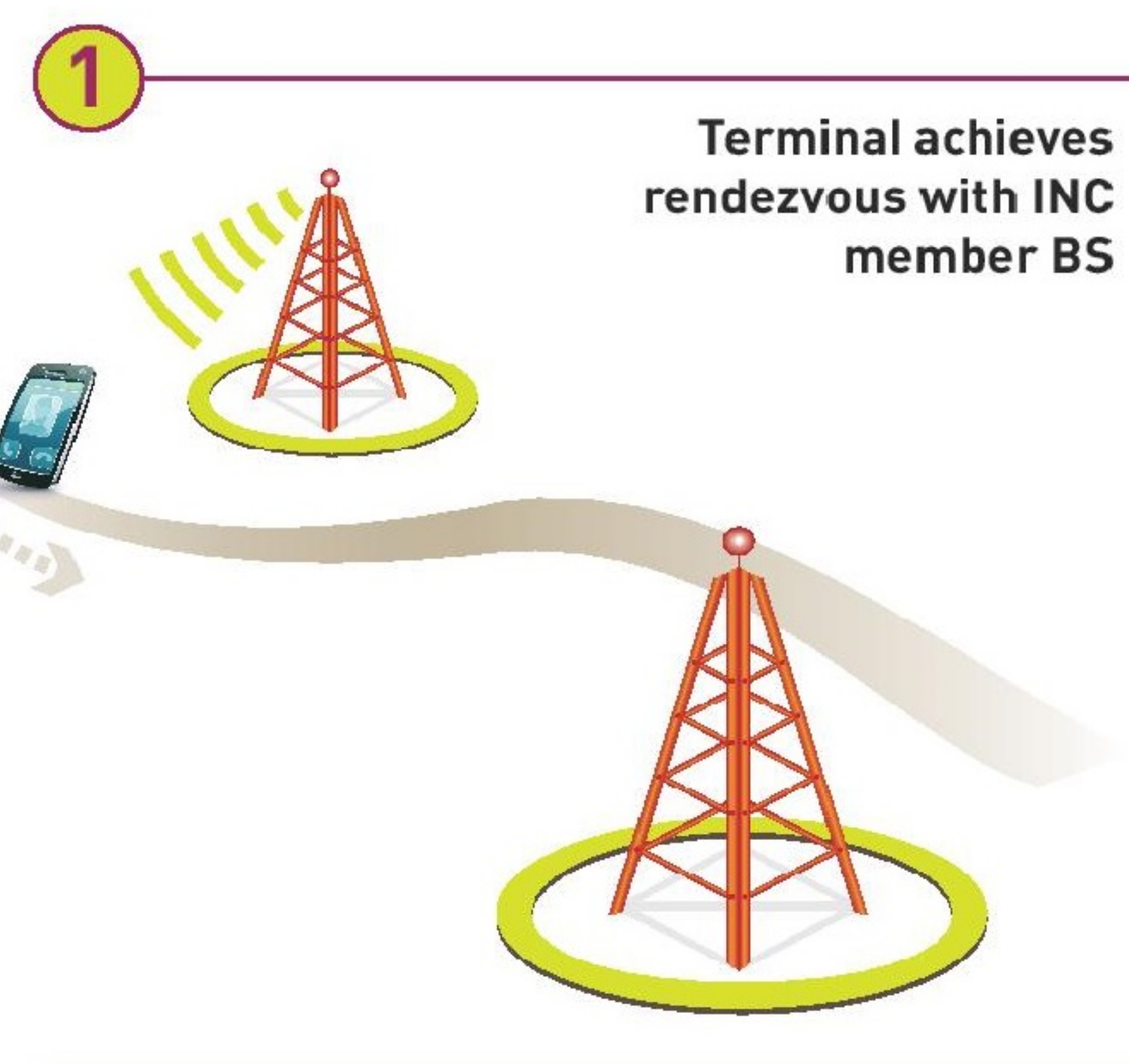
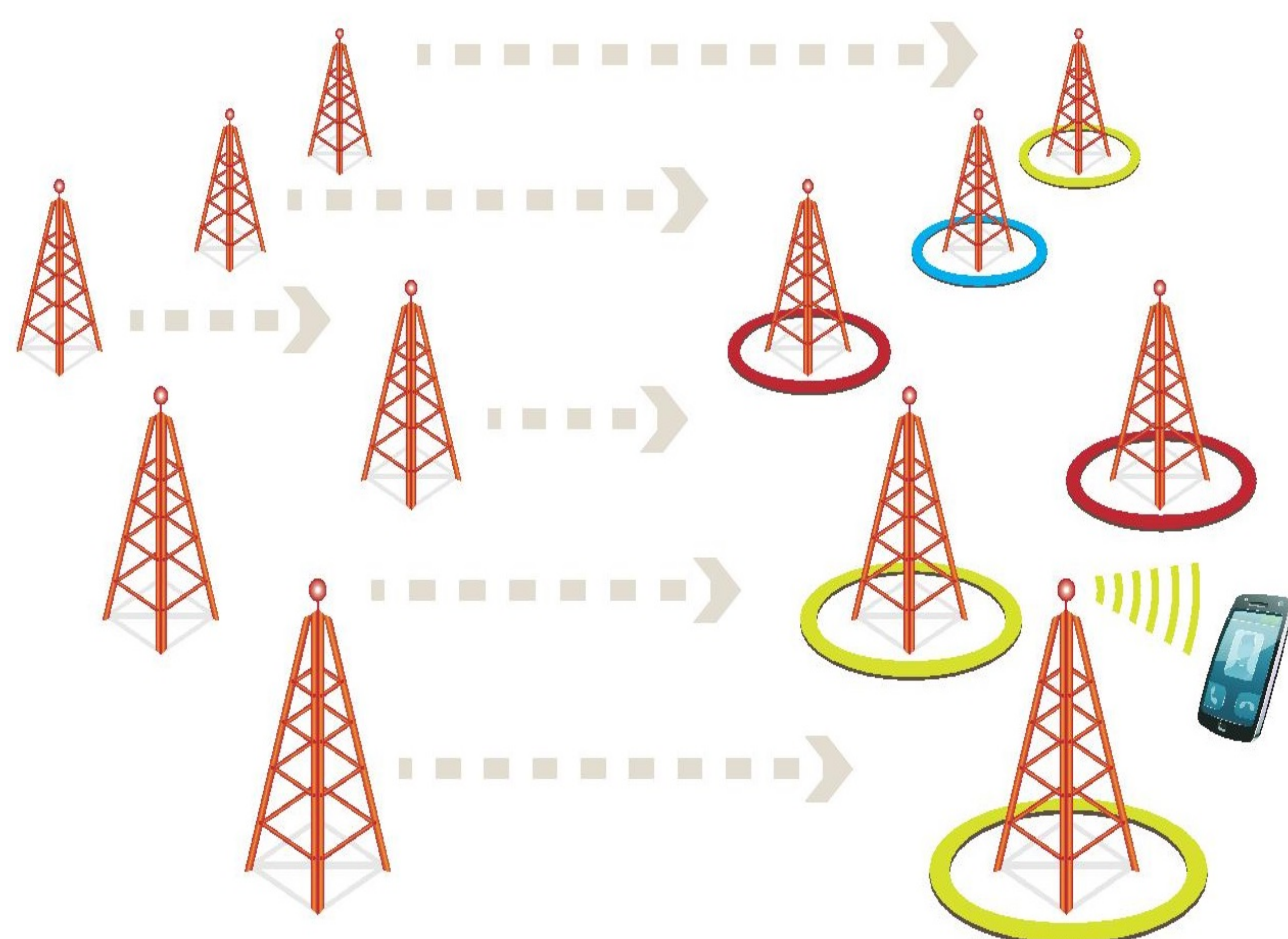
Receiver-driven handover in independent networks

- Showcase of an experiment on the federated platform -



Independent Network Coalition (INC) Networks

- Network made up of many smaller independent networks (potentially operating on different frequencies).
- Smaller networks cooperate to provide continuous service across their respective geographical areas.
- All transmissions on the network include an embedded cyclostationary signature.
- When subnetworks form a coalition they embed in their transmissions a common cyclostationary signature.
- A mobile user associated with a certain INC simply searches for transmissions containing the signature of its INC.
- When this is found it performs a rendezvous and connects to those base stations.



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Future Internet Research and Experimentation – FIRE

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