

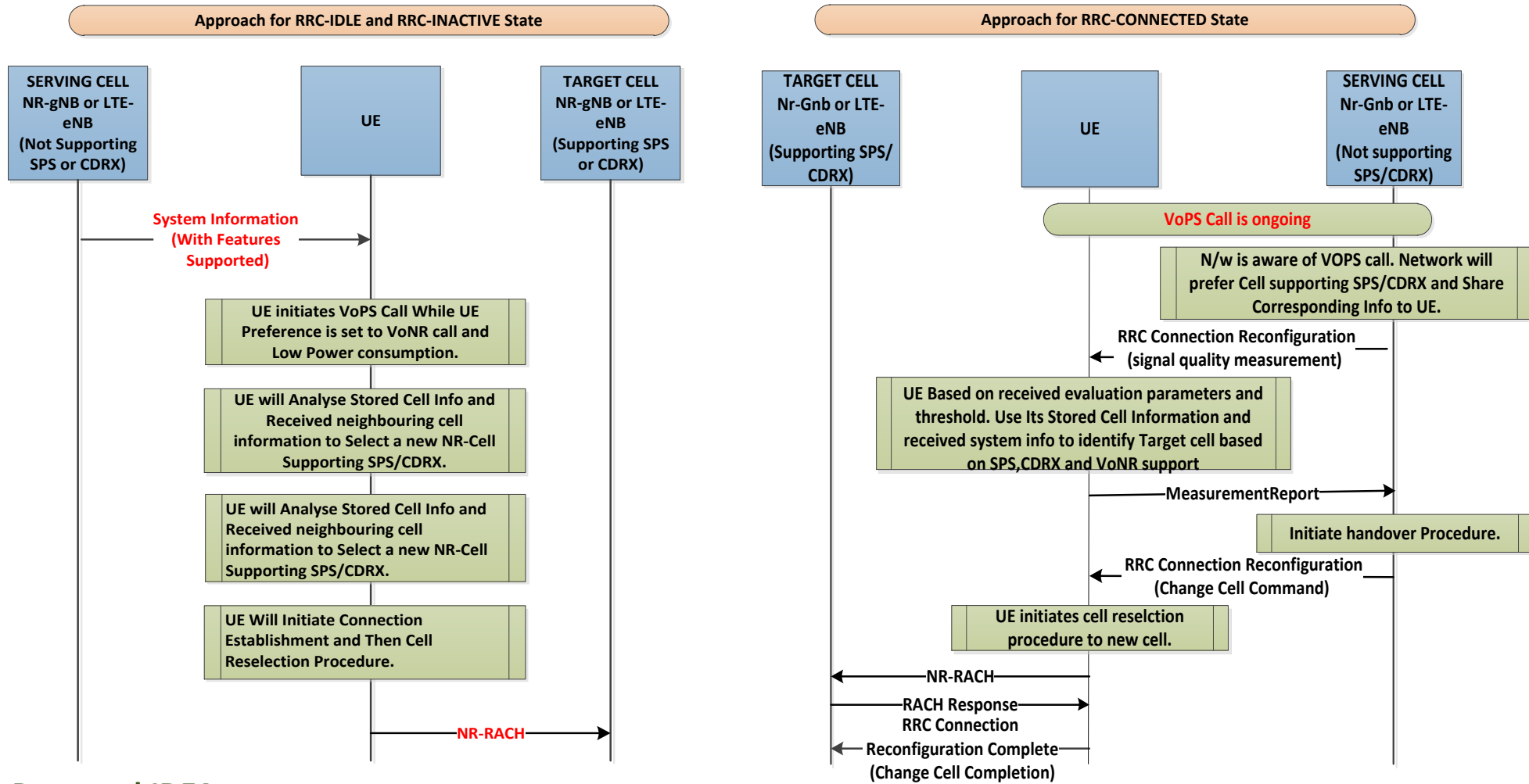
# Power Conservation For VoNR Devices

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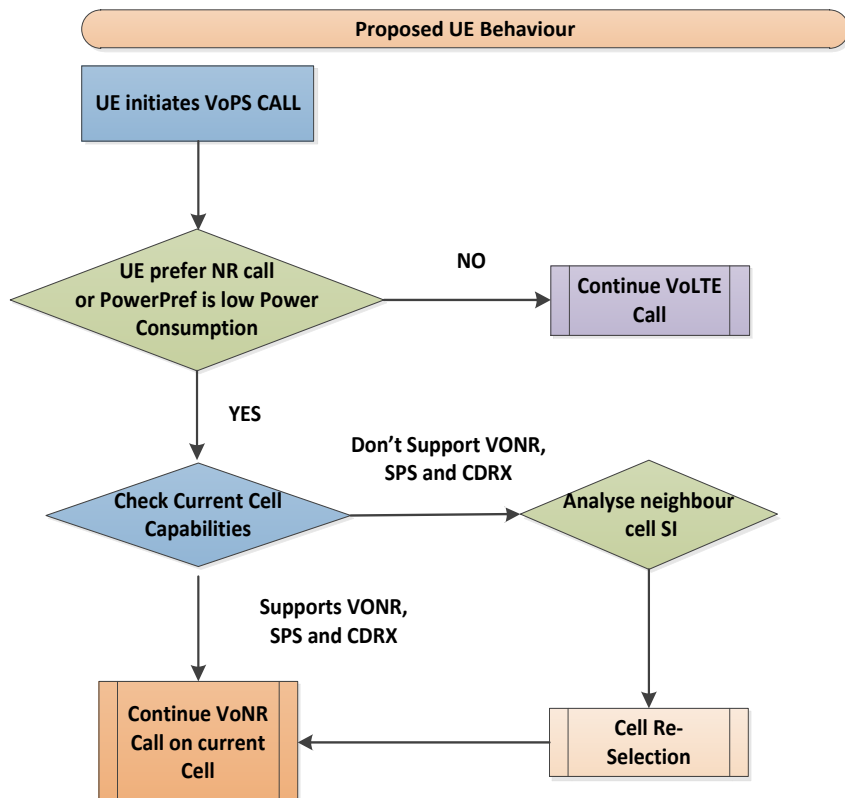
## Motivation

- Reduced Power Consumption when using VoNR Services.
- UE gets VoNR services more Often.



## Proposed IDEA

- UE shall store previously camped Cells System information regarding SPS, CDRX, and VoNR.
- UE shall analyse the received system information for current Cell and prior camping history
- UE shall initiate Cell Re-Selection if neighboring cell supports services and it's signal power is also above a threshold.
- In Connected Mode, when Network trigger Measurement command towards UE, As network is aware of VoNR call, it shall prefer a cell with SPS and CDRX and give corresponding details to UE, UE shall utilize a similar approach to select the target cell based on supported features.



## Analytical Results

- SPS has good performance from Power saving perspective both in cell edge and cell center for an LTE Network for VoLTE Service. We can assume similar gain in NR, with VoNR service, thus we believe that a system selection based on CDRX and SPS will have immense advantages from a power-saving perspective, as compared to Dynamic Scheduling (DS).

