5G NR: Radio PRC AND NAS etworks Access Networks

NAS (UE—AMF) and RRC (UE-gNodeB)

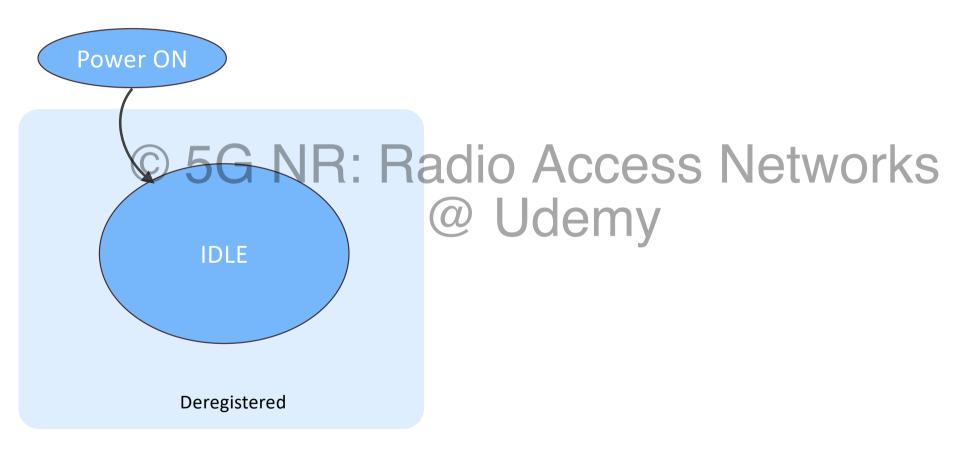
Functions of NAS (Non-Access Stratum)

- authentications Radic
- security,
- idle-mode procedures
- assigning IP address

Functions of RRC (Radio Resource Control)

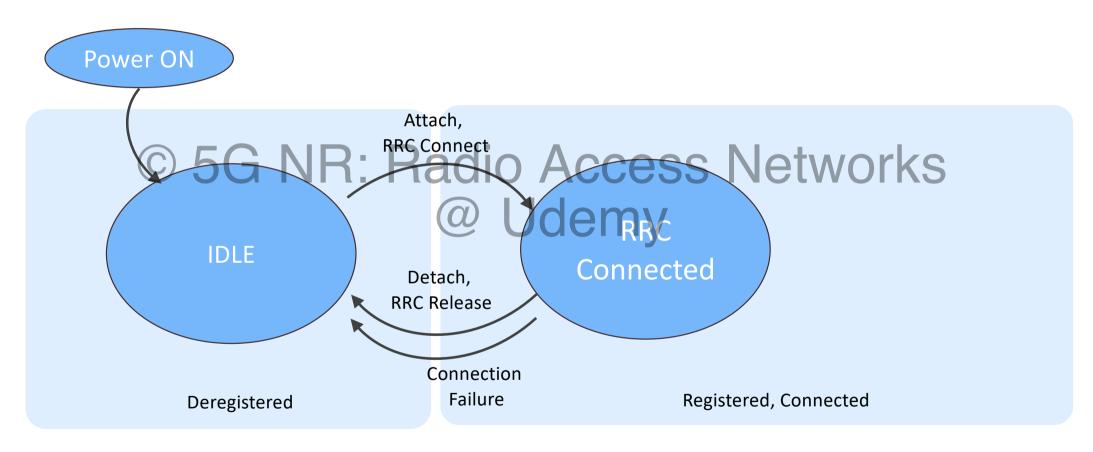
- System information broadcast
- Paging
- G Connection management
- Mobility functions
- Measurement configuration and reporting
- Handling of device capabilities

RRC and NAS



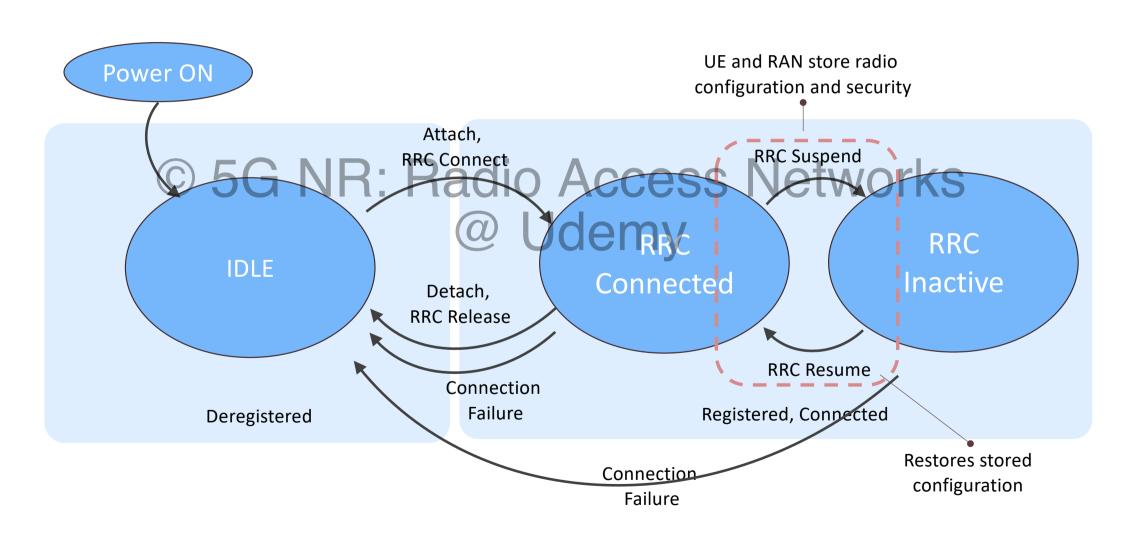
No RRC Context

RRC and NAS



Connection Failure

RRC and NAS



© 5G NPMOBILITY FUNCTIONS Networks

Idle and Inactive Mode Mobility

RAN - RAN Areas -

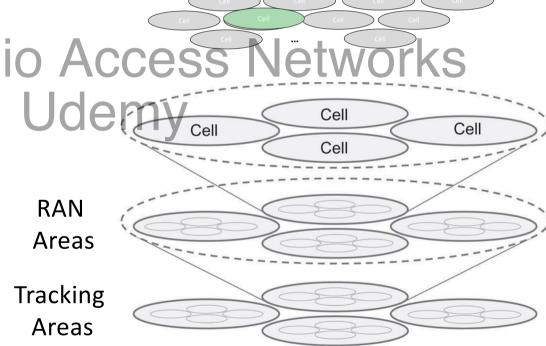
RAI

RRC RAN Notification Area Update

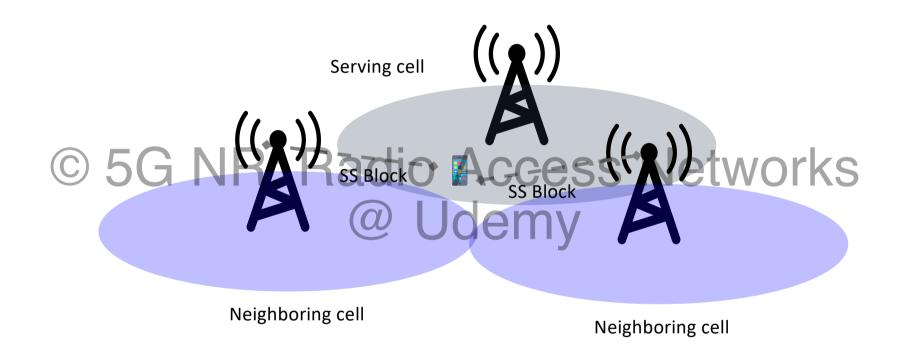
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Core - Tracking Areas -TAI – UE Registration Area **NAS Registrations Update**

UE controls the mobility



Connected Mode Mobility



Network controls the mobility

Summary

RRC States

- Idle
- © 5G NRcometted Access Networks
 - Inactive Udemy

Mobility

- Idle and Inactive Mode
- Connected Mode

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