PCF
AMF
N11
N2
N16'
A-SMF
I-SMF
N4
Data Network
A-UPF
N9
UPF
UPF UL-CL
N4
N9
N9
Local A-UPF
Local Data Network
gNB
gNB
gNB
Idle-mode buffering & page initiation
SM NAS termination
RAN SM management
Charging Proxy
LI proxy

PCF
AMF
N4 Proxy
N9 and N3 TEID allocation
N11
N2
A-SMF
N4'
I-SMF
N4 Proxy
N4
Data Network
A-UPF
N9
UPF
UPF UL-CL
N4
N9
N9
Local A-UPF
Local Data Network
gNB
gNB
gNB