ITU-APT Foundation of India - 5G TECH SESSIONS 5G (Next-Generation) Core

September 27, 2018



Samsung R&D, Bengaluru

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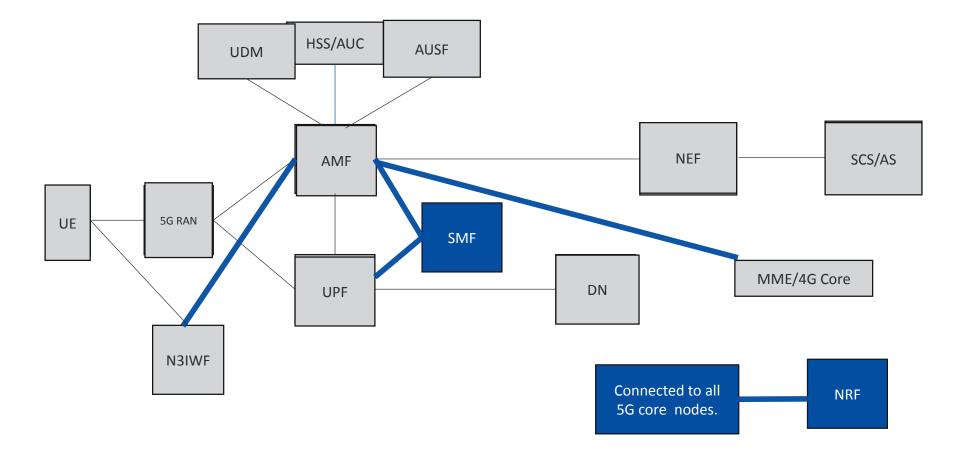


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5G Core evolution

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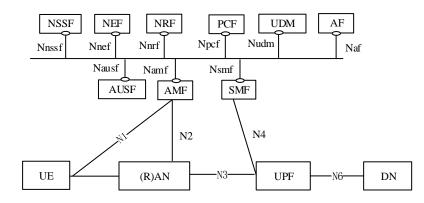
Network Slicing and Service Based Architecture

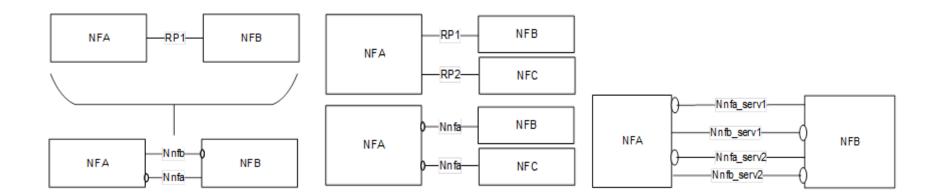


Service Based Architecture(SBA)

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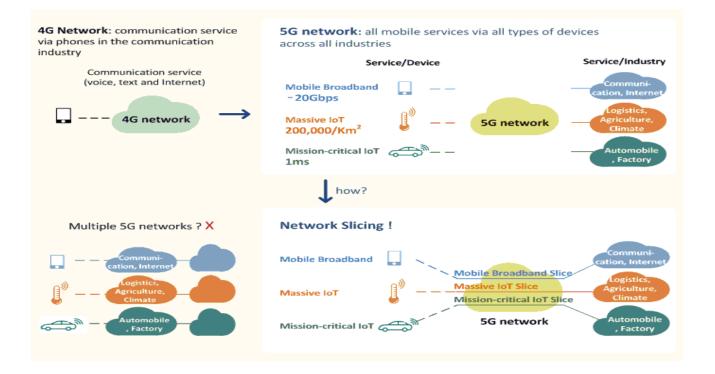






Network Slicing

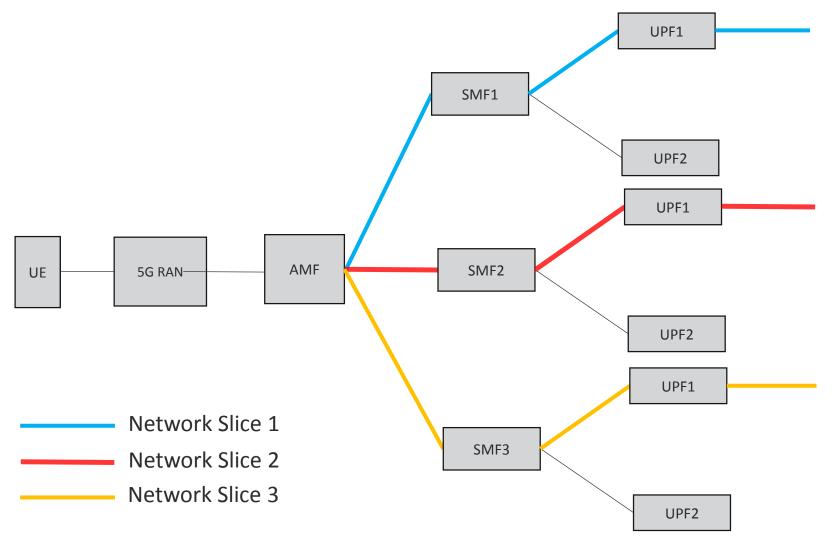
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Network Slicing allows a network operator to provide **dedicated virtual networks** with functionality specific to the service or customer over a **common network infrastructure**

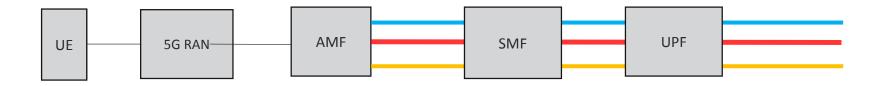


Network Slicing(Physical slices)





Network Slicing(Virtual slices)

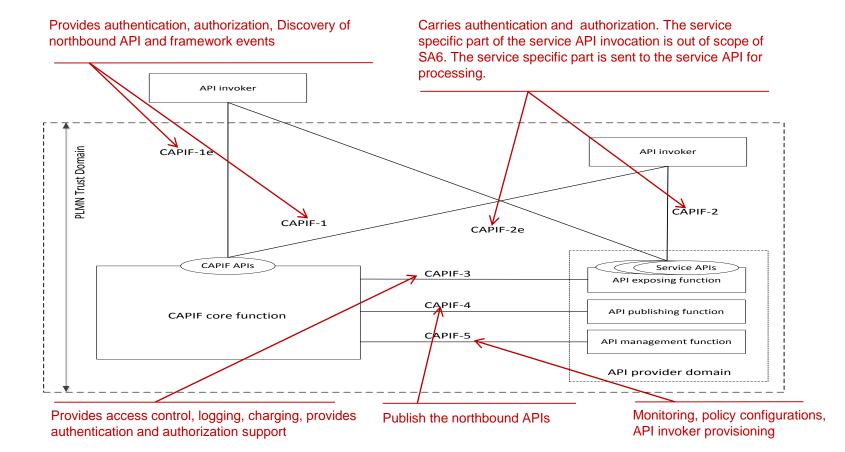




- Network Slice 2
- Network Slice 3











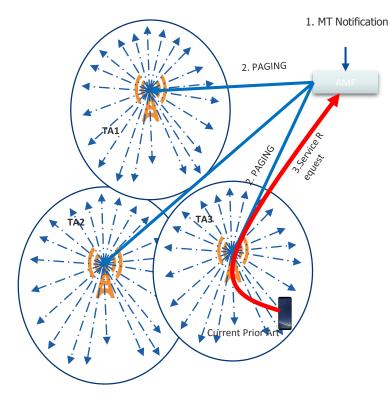
Non-3GPP access more integrated approach in 5G



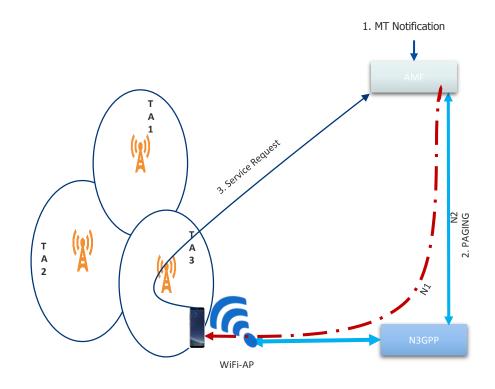
5G Paging architecture using N3GPPA

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Legacy handling(Paging resource wastage)

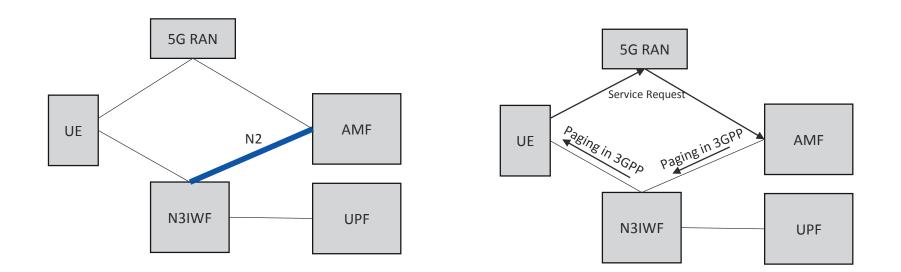


5G paging architecture using N3GPPA





Non 3GPP Access (More integrated approach in 5G)





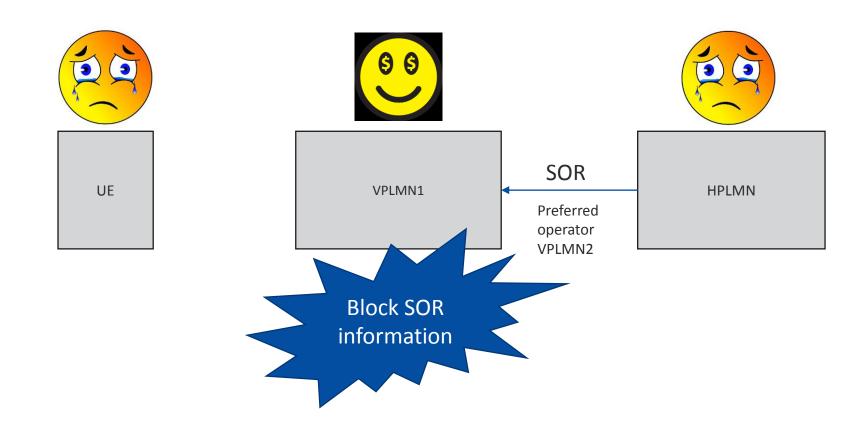




Steering of Roaming



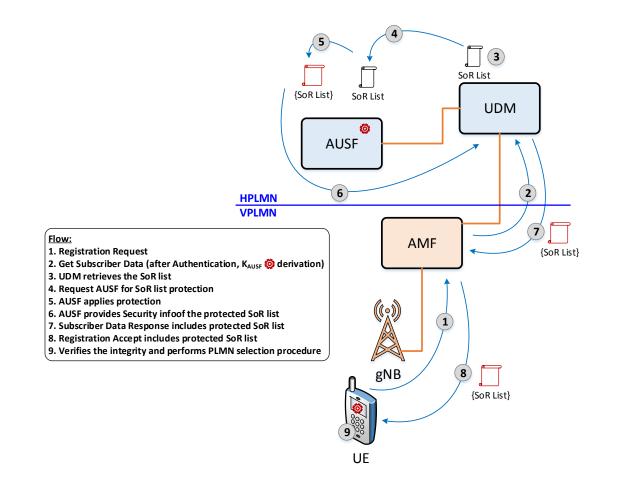
Steering of Roaming(4G)





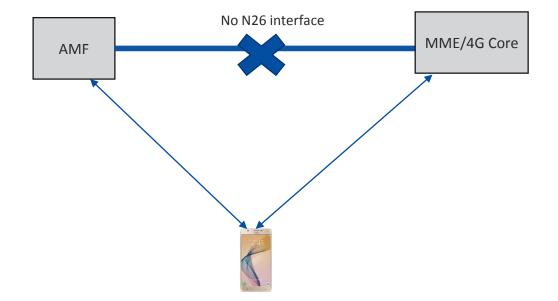
Steering of Roaming(5G)

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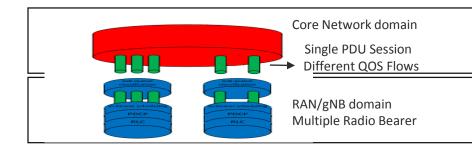
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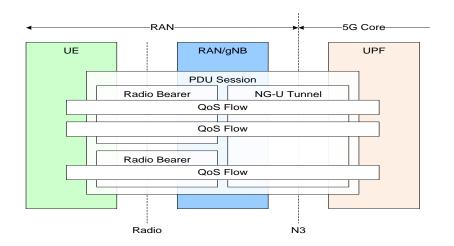






Quality of Service in 5G.

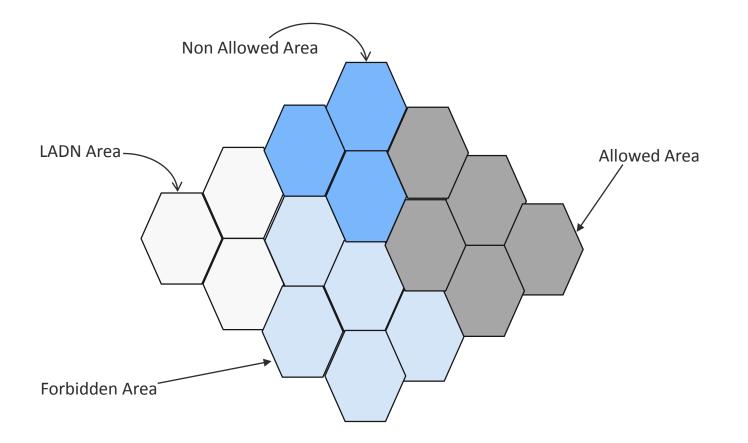








Types of Tracking Areas in 5G.







धन्यवाद!



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