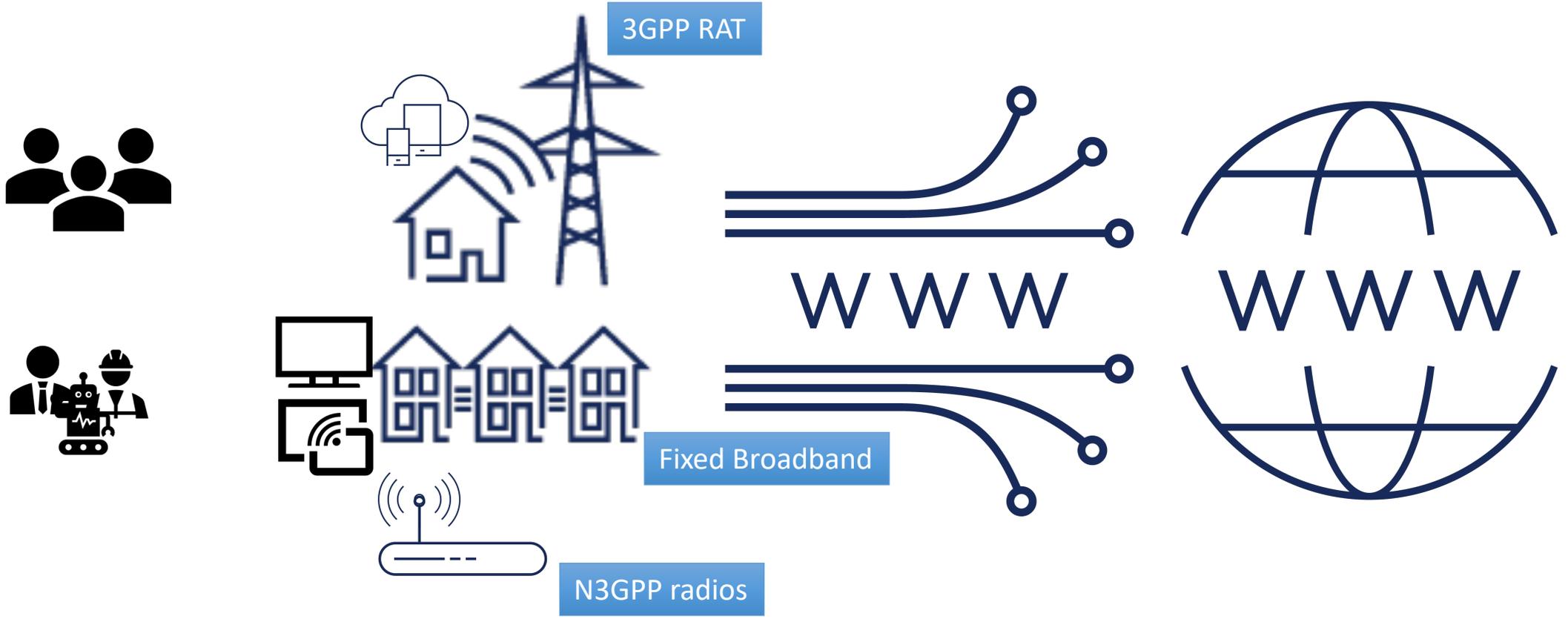




Charter's view on R18 (in SA2)

Charter Communications

Goal: offering better end user experiences with multi-access networks



Snapshot of our wish list for R18 w.r.t SA2 SID proposals



5WWC ph 2(ref:S2-2106795)

UPCAS (ref:S2-2106811)

ATSSS ph3 (ref: S2-2106800)

SFC (ref:S2-2106815)

eNPN ph2 (ref: S2-2106802)

eEDGE 5GC ph2 (ref:S2-2106812)

Support for low latency applications with L4S (ref S2-2105435) and XRM (S2-2106810)

eNA ph3 (ref:S2-2106808)

5GAIML (ref:S2-2106797)

R18 SA priorities from Charter's Perspective (p1/2)



1. better support for wireline access as described in SID S2-2106795, especially on the following
 - 1a) Heterogeneous wireline access MTUs for User plane traffic
 - 2. Whether and how to improve the support of devices connecting behind 5G-RG-> QoS and mobility aspect.
 - 3. Trusted Non-3GPP access network, primary on the (a) intra/inter-TNGF mobility and (c) mobility between 3GPP access network and trusted Non-3GPP access network for N5CW device.
 - 7&8. Support of L2 Bridge and support of RG in L3 gateway mode for providing differentiated connectivity to devices behind the RG.
2. enhanced ATSSS as described in SID S2-2106800 to allow the device to switch between different path via the same access type (e.g, from trusted N3GPP to untrusted). New steering functionality for UDP with IETF protocols supported by the industry like QUIC, with and without multipath extensions.

R18 SA priorities from Charter's Perspective (p2/2)



3. Expanding 5G private network usage as described in S2-2106802: especially on the following
 - 2. non-3GPP access for SNPN
 - 3. general enhancement on onboarding functionality.
 - 5. Support of enabling Localized Services via a local hosting NPN as defined by SA1 in TS 22.261
4. QoS focusing on low latency applications (AR/VR) like as in L4S (S2-2105435) and enhancement for tactile and media services (S2-2106810).
5. Study on UPF enhancement for control and SBA (S2-2106811).
6. Study on System Enabler for Service Function Chaining (S2-2106815).
7. Study of Enhancement of support for Edge Computing in 5G Core network - phase 2 (S2-2106812).
8. Study on Enablers for Network Automation for 5G - phase 3 (S2-2106808).
9. Study on 5G System Support for AI/ML-based Services (S2-2106797).