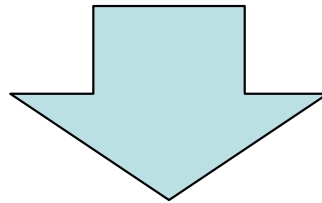


Focus areas for 3GPP Rel-12 (with focus on SA1/SA2)

SOFTBANK MOBILE Corp.

Background

- Higher spec UEs.
- Richer multi-media contents.
- Limited (non-infinite) radio resources.



- Radio technologies are improving, but the growth of capacity demand is faster.

Focus Areas

- To satisfy growing demands within limited resources, operators shall employ;
 - Sophisticated control of traffic and its congestion.
 - Maximization of traffic offloading effect.
- Focus areas for Rel-12 shall be;
 1. Traffic Congestion Control
 2. Traffic Offloading

1. Traffic Congestion Control

- Justification
 - The treatment of user data traffic, especially under congesting situation, shall fairly be differentiated based on types of services, applications, and users.
 - The user experience shall be maintained as much as possible, while supporting as many users as possible.
- Relevant ongoing SA1/SA2 work
 - User Plane Congestion Management (UPCON)

2. Traffic Offloading

- Justification
 - Traffic offloading shall be performed at the point closer to UEs for its effectiveness. For H(e)NB system, it is expected to be done at the local network.
 - The selection of multiple access technologies and WLAN networks shall be controllable based on operator policies to maximize the offloading effect by, for example, balancing the load among networks.
- Relevant ongoing SA1/SA2 work
 - LIPA Mobility and SIPTO at the Local Network (LIMONET)
 - Operator Policies for IP Interface Selection (OPIIS)
 - WLAN Network Selection for 3GPP Terminals (WLAN_NS)

Conclusion

- SOFTBANK MOBILE proposes following focus (i.e. “key strategic”) areas and ongoing work to be prioritized for Rel-12.

Focus area	Ongoing SA1/SA2 work
Traffic Congestion Control	UPCON
Traffic Offloading	LIMONET, OPIIS, WLAN_NS

Thank you.