

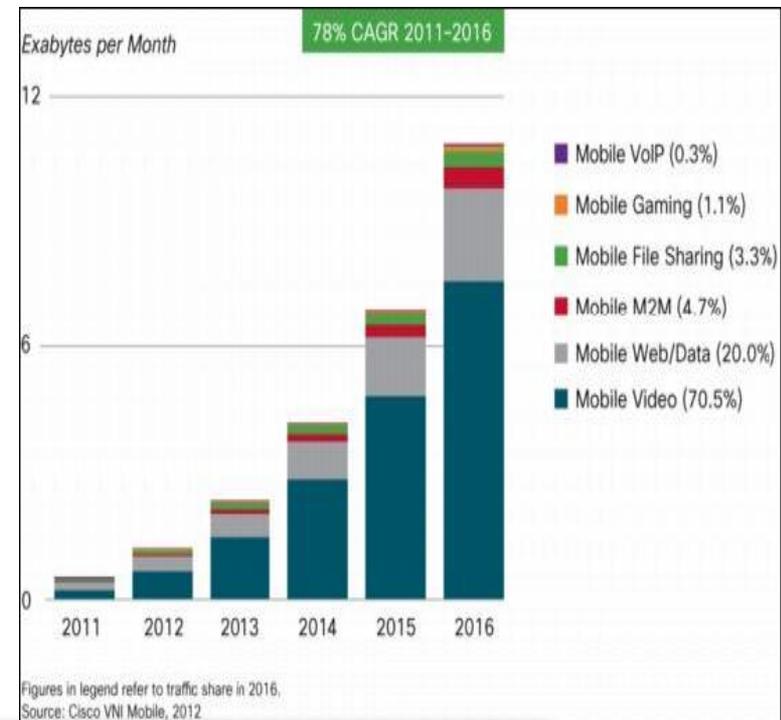
TSG-SA Release 12 Priorities

www.huawei.com

What are the Requirements for Release 12

- **The RAN Workshop on Release 12 and beyond had identified the following Common and converged requirements:**
 - Capacity increase to cope with traffic explosion
 - Energy saving
 - Cost efficiency
 - Support for diverse application and traffic types
 - Higher user experience/data rate
 - Backhaul enhancement
- **The SA and CT should aim on providing the network and system capabilities for the above as well as:**
 - Application Services Enablement for more efficient and wider usage of LTE

Rapid Traffic Growth



Release 12: Service Enabling for Mobile Broad-Band

Potential Release 12 Work Items Categories

Top Priority Work Items could be categorized into the following groups

Categories
Maintenance
Congestion and Overload Management/Control
Machine-Type and other mobile data applications Communications
Traffic offload including interaction with N3GPP and LIMONET
Public Safety / Critical Communications
Security (SA3)
Multimedia (SA4)
Network Management (SA5)

Note: IMS related Work Items are not listed since they are considered less of bottleneck for Release 12 schedule.

Release 12 Priorities: Maintenance

Work Item	Comments
Maintenance	Maintain the stability of 3GPP standards and deployed networks

Release 12 Priorities: Congestion and Overload Management/Control

Work Item	Comments
User Plane Congestion Management (UPCON)	May need some more operator input to prioritise the included items
Core Network Overload solutions	Complete phase 1 in SA2 and Stage-3 in CT
Application specific Congestion control for Data Communication (ACDC)	Aspects that may complement UPCON

Release 12 Priorities: Machine-Type and other mobile data applications Communications

Work Item	Comments
Small Data	As the largest MTCe block for various M2M and smart phone caused issues
Monitoring	Offering 3GPP system determined info to 3rd parties as a service
Group	Group-policing part and perhaps group based charging, depending on operator interest
UE Power Consumptions Optimizations (UEPCOP)	Might be small after moving all signalling optimisations under Small Data

Release 12 Priorities: Traffic offload including interaction with N3GPP and LIMONET

Work Item	Comments
WLAN Network Selection for 3GPP Terminals (WLAN_NS), and FS-WORM	Policies and network selection aspects, as well as improved offloading
Policy and Charging Control for supporting fixed broadband access networks BB1: P4C-F	Fixed device and 3GPP NSWO
Policy and Charging Control for supporting fixed broadband access networks BB6: P4C-TC	Trusted convergent
Policy and Charging Control for supporting fixed broadband access networks BB2: P4C-TI	Trusted network in interworking scenario
S2a Mobility based On GTP and WLAN access to EPC (SAMOG)	WLAN Interworking
LIPA Mobility and SIPTO at the Local Network (LIMONET)	Look into a simplified solution (e.g., SIPTO@LN) for Rel-12

Release 12 Priorities: Public Safety / Critical Communications

Work Item	Comments
Proximity-based Services (ProSe) Public Safety aspects	All aspects needed to make Public Safety work
Group Communication System Enablers for LTE (GCSE_LTE)	All aspects needed to make Public Safety work

Release 12 Priorities: Security (SA3)

Work Item	Comments
Protection profiles	Complete the Feasibility Study
WLAN Security	To address the security aspect related to stage-2 work items
MTC security	Small data, monitor, group, etc.

Release 12 Priorities: Multimedia (SA4)

Work Item	Comments
Network control for DASH	Part of Study on Improved Support for Dynamic Adaptive Streaming over HTTP in 3GPP
EVS codec	

Release 12 Priorities: Network Management (SA5)

Work Item	Comments
Standards for converged management	Including compliance for NGMN Next Generation Converged Operations Requirements (NGCOR)

Thank You

Tony Saboorian
tony.saboorian@huawei.com