



Nomination of candidate for 3GPP TSG RAN WG3 Vice Chairman

Dear Susanna and Yong IK,

On behalf of China Unicom, I am pleased to nominate Dr. Gen Cao as a candidate for the position of Vice Chairman of 3GPP TSG RAN WG3. Dr. Gen Cao is representing China Unicom, a member of CCSA.

Dr. Cao joined China Unicom as a wireless standard engineer in 2012 after receiving his Ph.D from BUPT. He has been attending 3GPP RAN3 meetings since 2013 as China Unicom chief delegate of RAN3. He is actively contributing to the RAN network architecture of 4G/5G network, and he has participated in 3GPP standardization efforts to design the unified network architecture of 5G gNB and eLTE to support CU/DU split and CP/UP split for the smoothly network migration and evolution. He is also participated in several RAN3 leading WI/SIs, i.e. NR QoE SI and NR QoE WI, HSPA and LTE joint operations SI, etc. For your information, a brief CV of Dr. Cao's experience is attached.

China Unicom is fully committed to support Dr. Gen Cao as the candidate of 3GPP TSG RAN3 Vice Chairman and provide all the necessary support and resources to ensure that he can successfully carry out his responsibilities and work in a fair, efficient and productive manner for the benefits of the whole industry. We also promise that Dr. Gen Cao will be trained to comply with all applicable antitrust/competition laws and regulations while acting in his capacity as RAN WG3 Vice Chairman.

Best regards,

A handwritten signature in black ink that reads "Ma Hongbing".

Hongbing Ma

General Manager of Science and Technology Innovation Department

China Unicom



北京 2022 年冬奥会官方合作伙伴
Official Partner of the Olympic Winter Games Beijing 2022

Gen Cao, Ph.D

RAN3 delegate, Project Manager

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EXPERIENCE

RAN3 delegate - 2013-present, China Unicom

Leading the SI and WI on NR QoE in R17.

Rapporteur of WI on eNB(s) Architecture Evolution for E-UTRAN and NG-RAN (R16), Architecture evolution for E-UTRAN SI (R15), HSPA and LTE Joint Operation SI (R14).

Rapporteur of W1 interface specifications of TS 37.470, TS 37.471, TS 37.472 and TS 37.473.

RAN Coordinator - Jul. 2019-present, China Unicom

Leading China Unicom standard research team for 5G evolution and strategies, research on new features in R17/R18 to support 5G eMBB, URLLC, IoT and new 5G service.

Project Manager and researcher – Aug. 2012-present, China Unicom

Leading 5G Technical research group to formulate 4G and 5G wireless network evolution strategies for China Unicom. Formulating 5G Technical Specifications for CCSA and China Unicom.

Broad knowledge on 4G/5G wireless system, i.e. RAN features, RAN hardware architectures.

EDUCATION

Beijing University of Posts and Telecommunications (BUPT), China

Ph.D on Communication and Information System(2009-2012).