



March 18th, 2025

To: Ms. Elisabetta Comin, Mr. Seonggu Shim,
European Telecommunications Standards Institute (ETSI)
Mobile Competence Centre
650, Route des Lucioles
06921 Sophia-Antipolis, France

Subject: Nomination of Mr. Gen Cao as candidate for 3GPP TSG RAN3 Chair

Dear Ms. Elisabetta Comin and Mr. Seonggu Shim,

China Unicom is pleased to nominate Mr. Gen Cao, representing China Unicom, a CCSA member, as a candidate for the Chair of 3GPP TSG RAN WG3 in the upcoming election held in May 2025 during RAN3#128 meeting.

China Unicom is fully committed to support Mr. Gen Cao as the candidate of 3GPP TSG RAN3 Chair. China Unicom will 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.

Mr. Gen Cao is informed about and aware of the antitrust/competition laws and regulations and will comply with such laws and regulations while acting in his capacity as TSG RAN WG3 Chair.

A brief CV of Mr. Gen Cao is attached.

Yours Sincerely,

Hongbing Ma

General Manager of Science and Technology Innovation Department

China Unicom

Gen Cao

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Haidian, Beijing, China.



Mr. Gen Cao has been serving in China Unicom since 2012 and now he is the Chief Expert of China Unicom. He has been attending 3GPP RAN3 meetings since 2013, and has been actively contributing to the RAN network architecture topics of 4G/5G network for the smooth network evolution. He has also participated in QoE measurement and collection topics for UMTS, LTE and NR, as well as other RAN3 topics. He has been serving as 3GPP TSG RAN WG3 Vice Chair since August 2021 and has held the position ever since. He has a proven track-record of being able to efficiently handle 3GPP discussion and lead to fruitful conclusions in a trusted and respectful manner. Besides RAN3, he has also actively participated in RAN plenary regularly since 2019.

Mr. Gen Cao received B.S. degree in Communication Engineering and Ph.D degree in Communication and Information Systems in Beijing University of Posts and Telecommunications (BUPT), in 2007 and 2012 respectively.

WORKING EXPERIENCE

3GPP RAN3 Vice Chair – 2023.08-PRESENT

Comply with 3GPP RAN3 Vice Chair responsibilities. Chaired R19/R18 RAN3 sessions, i.e. NR Mobility enhancements Phase4 (R19), Low-power wake-up signal and receiver for NR (LP-WUS/WUR) (R19), NR sidelink multi-hop relay (R19), Further NR mobility enhancements (R18), NR Sidelink Relay enhancements (R18).

3GPP RAN3 Vice Chair - 2021.08-2023.08

Comply with 3GPP RAN3 Vice Chair responsibilities. Chaired R18/R17 RAN3 sessions, i.e. Further NR mobility enhancements (R18), NR Sidelink Relay enhancements (R18), NR Sidelink Relay (R17), Enhancement of Private Network Support for NG-RAN (R17), Additional enhancements for NB-IoT and LTE-MTC (R17).

RAN3 delegate and Chief Expert, China Unicom – 2012.08- PRESENT

Rapporteur of several RAN3 led SIs/WIs and RAN3 specifications, e.g. WI on eNB(s) Architecture Evolution for E-UTRAN and NG-RAN, W1 interface specs of TS 37.470, TS 37.471, TS 37.472 and TS 37.473.

RAN Coordinator and Chief Expert, China Unicom-2019.06- PRESENT

Actively participate in 6G/5G network architecture and key features discussion from Rel-17 to Rel-20, supporting a list of new features of 5G-A/5G eMBB, URLLC and IoT, formulate commercial network deployment and evolution strategies, e.g. 5G RAN sharing of China Unicom and China Telecom, NR QoE, NR SON/MDT enhancement, 5G Band Combinations for commercial deployment, 5G High power UE, 5G mmWave, 5G NTN, 5G IoT and Redcap/eRedcap.

Project Manager, China Unicom - 2018- PRESENT

Leading China Unicom 5G-A/5G RAN Technical Group to formulate 5G/5G-A Technical Specifications for industry and enterprise standards, responsible for 6G/5G new features prototype test, Lab verification test and field test. Develop and promote 5G/4G intelligent wireless network energy saving for commercial deployment.