



Ms. Susanna Kooistra  
Mr. Patrick Merias  
3GPP Mobile Competence Center  
c/o ETSI  
650 Route des Lucioles  
06921 Sophia Antipolis Cedex  
France

GFTL: 2021-0002

*Re: Nomination of candidate for 3GPP TSG RAN WG1 Chairman*

Dear Susanna and Patrick:

Ericsson is delighted to announce the nomination of Dr. Havish Koorapaty as candidate for Chairman in 3GPP TSG RAN WG1. Havish is representing Ericsson LM, a member of ETSI.

Havish holds B.S. (1991), M.S. (1993) and Ph.D. (1996) degrees in Computer Engineering from North Carolina State University in the USA. He has been with Ericsson since 1996 and has worked on a broad range of topics in wireless communications including error control coding, location determination and tracking, satellite communications, mobile phone systems engineering, 4G broadband wireless system design, wireless backhaul solutions, energy efficiency, spectrum sharing and small cells.

Havish has extensive standardization experience, having contributed to several standards bodies including the IEEE, TIA, ETSI BRAN and 3GPP. He has been participating in 3GPP since 2011. He has served as a RAN1 vice-chairman since November 2017 chairing a wide range of topics both in LTE and NR. He served as the Rapporteur for the Licensed Assisted Access (LAA/eLAA) study and work items as part of which he regularly chaired offline and online sessions in RAN1. He also represented 3GPP in external communications with other standards bodies such as IEEE, WFA and ETSI BRAN. Havish received the 3GPP excellence award in 2015 for his contributions to Rel-13 LAA.

As a candidate for TSG RAN WG1 Chairman, Havish has been informed about and is aware of the applicable antitrust/competition laws and regulations and he shall comply with such laws while acting in his capacity as Chairman. Ericsson is fully committed to supporting Havish in his tasks as Chairman of 3GPP TSG RAN WG1.

Stockholm, April 8, 2021

Best regards,

A handwritten signature in blue ink, appearing to read "Erik Ekudden".

**Erik Ekudden**  
CTO and Head of Strategy & Technology  
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# Havish Koorapaty

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## EDUCATION

**North Carolina State University**, Raleigh, NC, USA

B.S (1991), M.S (1993), and Ph.D. (1996) in Computer Engineering

## WORK EXPERIENCE

**Ericsson Research, Ericsson Inc.**, RTP, NC and Santa Clara, CA, USA

(April 1996 – Present)

- Twenty-five years of experience in wireless communications
- Research, system design and standardization for a broad range of topics including satellite communications, error control coding, location determination and tracking, mobile phone systems engineering, 4G and 5G wireless system design, wireless millimeter wave backhaul, energy efficiency, spectrum sharing and small cells.

## STANDARDS EXPERIENCE

- Contributed to wireless communications standards in
  - 3GPP RAN WG1 and RAN TSG for LTE and 5G NR (2011 – 2017)
  - ETSI BRAN for harmonized standards for 5 GHz unlicensed spectrum (2015 – 2016)
  - IEEE 802.16 for WiMAX (2004 - 2007)
  - TIA for location determination and tracking and enhanced coverage for mobile phones (1998 - 2001)
- Vice-chairman in 3GPP RAN1 (2017 – present). Chaired a diverse set of topics including
  - LTE: Maintenance for Rel 8-16, shortened TTI, HRLLC, 5G terrestrial broadcast, Technical Enhancements, 1024 QAM, FeLAA, NB-IOT/eMTC over non-terrestrial networks
  - NR: Channel coding, NR-LTE coexistence, NR in unlicensed spectrum, Positioning, Non-terrestrial networks, Mobility enhancements, NR in 52.6-71 GHz, Multi-RAT dual connectivity/carrier aggregation, Multicast/Broadcast, XR
- Rapporteur for Licensed Assisted Access (LAA/eLAA) study and work items (2014 - 2016). Led the standardization effort in 3GPP to enable operation of LTE in unlicensed spectrum.
- Key contributor to cross-industry collaboration to enable coexistence of multiple technologies in unlicensed spectrum, including contributions to the development of a harmonized standard in ETSI BRAN used to meet regulatory requirements
- Representative for 3GPP in external communications with standards and regulatory bodies such as IEEE, WFA, ETSI BRAN, ITU and FCC
- 3GPP Excellence Award in 2015 for contributions to Rel-13 LAA