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Dear 3GPP CT1 Colleagues,

Alcatel-Lucent, would like to nominate Mr. Keith Drage as a candidate for election of the Vice-Chairman of 3GPP TSG CT WG1. Mr. Drage attends 3GPP TSG CT WG1 through our Alcatel-Lucent NS UK membership of ETSI.

We believe that Keith will be able to positively contribute to the group's activities by demonstrating his technical abilities and leadership qualities. His experience in both wireline and wireless standards and his ongoing involvement in IETF is also an additional asset for CT1. Keith's past experience in CT1, ETSI and ITU-T is detailed in the short CV attached to this letter.

Alcatel-Lucent will provide all necessary support for Keith, if elected, to allow him to undertake this role, as part of Alcatel-Lucent's ongoing commitment to 3GPP.

Best Regards,

Francis E. O'Brien, Jr., Ph.D.

Senior Director

Wireless Standards and Intellectual Property

## CV for Keith Drage

Since July 2000 Keith has been an active participant in 3GPP Working Group CT1 (previously CN1). During this time he has been the Rapporteur for a significant number of IMS related work items starting with IMS-CCR, and editor of a number of IMS-related specifications. Additionally he has been involved in ensuring IMS convergence in ETSI TISPAN activities, and significantly involved in the transfer of that work to 3GPP as common IMS.

Keith has been attending IETF since November 2000 to ensure progress of activities 3GPP requirements for IMS. In IETF he co-chaired the SIP working group from 2007 to its closure in 2009, and the AVT working group from 2009 to its closure in 2011. He currently co-chairs the AVTEXT working group.

1985 to 2000: Previous to this, from 1985 to 2000, Keith was active in specification of DSS1 (access protocol for ISDN) and later DSS2 (access protocol for Broadband ISDN) in Quadripartite, CEPT, ETSI and ITU-T SG11. He was also Editor for a number of specifications. As it turned out, this work led to him becoming a contributor to the future 24.008 due to its reuse of DSS1 for parts of its specification.

From 1995 to 1999, Keith was Chairman of ETSI SPS5 (latterly SPAN5) responsible for ISDN access protocols. Prior to that (1989 – 1994) he was first a member and latterly leader of Project Team (STF) supporting ISDN project management in ETSI. The functions were equivalent to some of those now supported in MCC.

Keith has an M.Sc. Degree in Computer Engineering from University of Manchester and a B.Sc. (Hons.) Degree in Electronic Engineering from University of Hull.