

Voting list for TSG CT WG 4 meeting #85bis

List created on: 12 Jun 2018

This report shows the 3GPP Individual Member organizations on the Voting List for **TSG CT WG 4**

Inclusion on the list is obtained by attending meetings of TSG CT WG 4

For details on voting, see [Article 35](#) of the 3GPP Working Procedures.

If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team, via email to 3gppcontact@3gpp.org

Individual Member - 4	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in- person	by- proxy
450connect GmbH	ETSI	n	n	n	n	n	n	No	No
Individual Member - 7	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in- person	by- proxy
7LAYERS GmbH	ETSI	n	n	n	n	n	n	No	No
Individual Member - A	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in- person	by- proxy
A.S.T.R.I.D. S.A.	ETSI	n	n	n	n	n	n	No	No
ABS (<i>Academy of Broadcasting Science</i>)	CCSA	n	n	n	n	n	n	No	No
AccelerComm Ltd	ETSI	n	n	n	n	n	n	No	No
ACCURIS Ltd	ETSI	n	n	n	n	n	n	No	No
Acer Incorporated	ETSI	n	n	n	n	n	n	No	No
Acorn Technologies	ATIS	n	n	n	n	n	n	No	No
adare GmbH	ETSI	n	n	n	n	n	n	No	No
ADVA Optical Networking SE	ETSI	n	n	n	n	n	n	No	No
Aeroflex/VIAVI (<i>Aeroflex Ltd a VIAVI Solutions Company</i>)	ETSI	n	n	n	n	n	n	No	No
Affirmed Networks Inc.	ETSI	n	n	n	n	n	n	No	No
Airbus DS SLC	ETSI	n	n	n	n	n	n	No	No
AIR-LYNX	ETSI	n	n	n	n	n	n	No	No
Airwave Solutions Limited	ETSI	n	n	n	n	n	n	No	No
Alibaba (China) Group., Ltd.	CCSA	n	n	n	n	n	n	No	No
Allot Communications Ltd.	ETSI	n	n	n	n	n	n	No	No
Altan Redes (<i>Altan Redes S.A.P.I. de C.V.</i>)	ETSI	n	n	n	n	n	n	No	No
AltioStar (<i>AltioStar Networks UK Limited</i>)	ETSI	n	n	n	n	n	n	No	No
Amdocs Software Systems Ltd (<i>Amdocs Software Systems Limited</i>)	ETSI	n	n	n	n	n	n	No	No

Analog Devices International	ETSI	n	n	n	n	n	n	No	No
Andrew Wireless Systems GmbH	ETSI	n	n	n	n	n	n	No	No
Anemone Technology	ETSI	n	n	n	n	n	n	No	No
Anritsu Corporation	ARIB	n	n	n	n	n	n	No	No
ANRITSU LTD	ETSI	n	n	n	n	n	n	No	No
Apple (UK) Limited	ETSI	n	n	n	n	n	n	No	No
Apple Computer Trading Co. Ltd (<i>Apple Computer Trading (Shanghai) Co., Ltd.</i>)	CCSA	n	y	n	n	n	n	No	No
Apple Europe Limited	ETSI	n	n	n	y	n	y	Yes	Yes
Apple France	ETSI	n	y	y	n	n	n	No	No
Apple GmbH	ETSI	n	y	n	n	n	n	No	No
Apple Italia S.R.L.	ETSI	n	n	n	n	n	n	No	No
Apple Portugal	ETSI	n	n	n	n	n	n	No	No
Apple Switzerland AG	ETSI	n	n	n	n	n	n	No	No
AQSACOM S.A.S.	ETSI	n	n	n	n	n	n	No	No
Arcep (<i>Autorité de régulation des communications électroniques et des postes</i>)	ETSI	n	n	n	n	n	n	No	No
AREA Spa	ETSI	n	n	n	n	n	n	No	No
ArgoNET GmbH	ETSI	n	n	n	n	n	n	No	No
ASELSAN (<i>ASELSAN Inc.</i>)	ETSI	n	n	n	n	n	n	No	No
Asia Pacific Telecom co. Ltd	ETSI	n	n	n	n	n	n	No	No
ASTRI (<i>Hong Kong Applied Science & Technology Research Institute</i>)	ETSI	n	n	n	y	y	n	Yes	Yes
ASUSTEK COMPUTER (SHANGHAI) (<i>ASUSTEK COMPUTER (SHANGHAI) CO. LTD.</i>)	CCSA	n	n	n	n	n	n	No	No
AT&T	ATIS	n	n	n	n	y	n	Yes	No
AT&T GNS Belgium SPRL (<i>AT&T Global Network Services Belgium SPRL</i>)	ETSI	y	n	y	y	n	y	Yes	Yes
ATR (<i>Advanced Telecommunications Research Institute International</i>)	ARIB	n	n	n	n	n	n	No	No
Attorney-General's Department (<i>Attorney-General's Department, Australian Government</i>)	ETSI	n	n	n	n	n	n	No	No
Avanti Communications Ltd	ETSI	n	n	n	n	n	n	No	No
Azimuth (<i>Azimuth Systems</i>)	ETSI	n	n	n	n	n	n	No	No
Individual Member - B	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in- person	by- proxy
BAE Systems AI Ltd (<i>BAE Systems Applied Intelligence Limited</i>)	ETSI	n	n	n	n	n	n	No	No
BankID Norge AS	ETSI	n	n	n	n	n	n	No	No
BBC (<i>BRITISH BROADCASTING CORPORATION</i>)	ETSI	n	n	n	n	n	n	No	No
B-Com	ETSI	n	n	n	n	n	n	No	No
BDBOS (<i>Federal Agency for Public Safety Digital Radio</i>)	ETSI	n	n	n	n	n	n	No	No
Beijing Lenovo Software Ltd.	CCSA	n	n	n	n	n	n	No	No

Beijing OPPO Com. corp., ltd (<i>Beijing OPPO Communications corp., ltd</i>)	CCSA	n	n	n	n	n	n	No	No
BEIJING SAMSUNG TELECOM R&D (<i>BEIJING SAMSUNG TELECOM R&D CENTER</i>)	CCSA	n	n	n	n	n	n	No	No
Beijing Xiaomi Mobile Software (<i>Beijing Xiaomi Mobile Software Co., Ltd.</i>)	CCSA	n	n	n	n	n	n	No	No
Bell Mobility	ETSI	n	n	n	n	n	n	No	No
BfV (<i>Bundesamt für Verfassungsschutz</i>)	ETSI	n	n	n	n	n	n	No	No
Bharti Airtel Limited	TSDSI	n	n	n	n	n	n	No	No
Bittium Wireless Ltd.	ETSI	n	n	n	n	n	n	No	No
BKA (<i>Bundeskriminalamt</i>)	ETSI	n	n	n	n	n	n	No	No
BlackBerry UK Limited	ETSI	y	y	y	y	y	y	Yes	Yes
Bluetest AB	ETSI	n	n	n	n	n	n	No	No
BMW (<i>Federal Ministry of Economic Affairs and Energy</i>)	ETSI	n	n	n	n	n	n	No	No
BOCRA (<i>Bostwana Communications Regulatory Authority</i>)	ETSI	n	n	n	n	n	n	No	No
Bolloré Telecom S.A.S	ETSI	n	n	n	n	n	n	No	No
BOUYGUES Telecom	ETSI	n	n	n	n	n	n	No	No
Broadcast Networks Europe	ETSI	n	n	n	n	n	n	No	No
BROADCOM CORPORATION	ETSI	n	y	y	y	n	n	Yes	Yes
BT plc (<i>British Telecommunications plc</i>)	ETSI	n	y	y	n	n	y	Yes	Yes
Bull SAS	ETSI	n	n	n	n	n	n	No	No
BUPT (<i>Beijing University of Posts and Telecommunications</i>)	CCSA	n	n	n	n	n	n	No	No
Bureau Veritas	ETSI	n	n	n	n	n	n	No	No
Individual Member - C	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy
C Spire Wireless	ATIS	n	n	n	n	n	n	No	No
CableLabs	ETSI	n	n	n	n	n	n	No	No
Cadence Design Systems Inc.	ETSI	n	n	n	n	n	n	No	No
Cambium Networks Limited	ETSI	n	n	n	n	n	n	No	No
Carnegie Technologies	ATIS	n	n	n	n	n	n	No	No
Casa Systems Inc.	ETSI	n	n	n	n	n	n	No	No
Catapult (<i>Satellite Applications Catapult Ltd</i>)	ETSI	n	n	n	n	n	n	No	No
CATR	CCSA	n	n	n	n	n	n	No	No
CATT (<i>China Academy of Telecommunication Technology - (Datang Telecom Technology and Industry Group)</i>)	CCSA	n	n	n	y	n	y	Yes	Yes
<i>CATT (China Academy of Telecommunications Technology (CATT))</i>	ETSI	n	n	n	n	n	n	No	No
Cavium (<i>Cavium Inc.</i>)	ATIS	n	n	n	n	n	n	No	No
C-DOT	TSDSI	n	n	n	n	n	n	No	No
Cellnex (<i>Cellnex Telecom</i>)	ETSI	n	n	n	n	n	n	No	No
Ceragon Networks AS	ETSI	n	n	n	n	n	n	No	No

CETECOM GmbH (<i>CETECOM GmbH - Certification and Testing in Communications</i>)	ETSI	n	n	n	n	n	n	No	No
CEWiT (<i>Centre of Excellence in Wireless Technology (CEWiT)</i>)	TSDSI	n	n	n	n	n	n	No	No
CGC Inc. (<i>Communications Global Certifications Inc.</i>)	ETSI	n	n	n	n	n	n	No	No
Charter Communications, Inc	ATIS	n	n	n	y	n	y	Yes	Yes
Chengdu OPPO Mobile Com. corp. (<i>Chengdu OPPO Mobile Communications corp., Ltd</i>)	CCSA	n	n	n	n	n	n	No	No
CHENGDU TD TECH LTD.	CCSA	n	n	n	n	n	n	No	No
China Mobile (Hangzhou) Inf. (<i>China Mobile (Hangzhou) Information Technology Co., Ltd.</i>)	CCSA	n	y	y	y	y	n	Yes	Yes
China Mobile (Suzhou) Software (<i>China Mobile (Suzhou) Software Technology Co., Ltd.</i>)	CCSA	n	y	y	n	y	n	Yes	Yes
China Mobile Com. Corporation (<i>China Mobile Communications Corporation (CMCC)</i>)	CCSA	y	y	y	y	n	n	Yes	Yes
China Mobile E-Commerce Co.	CCSA	y	y	y	y	n	n	Yes	Yes
China Mobile Group Device Co. (<i>China Mobile Group Device Co., Ltd</i>)	CCSA	n	y	y	y	y	n	Yes	Yes
China Mobile International Ltd (<i>China Mobile International Limited</i>)	CCSA	n	y	y	y	n	y	Yes	Yes
China Mobile M2M Company Ltd.	CCSA	y	y	y	n	n	y	Yes	Yes
China Southern Power Grid Co. (<i>China Southern Power Grid Co., Ltd.</i>)	CCSA	n	n	n	n	n	n	No	No
China Telecom Corporation Ltd.	CCSA	n	n	n	n	n	n	No	No
China Telecommunications (<i>China Telecommunications Corporation</i>)	ETSI	n	n	n	n	n	n	No	No
China Telecommunication Corp. (<i>China Telecommunication Corporation</i>)	CCSA	n	n	n	n	n	n	No	No
China Unicom	CCSA	n	n	n	n	n	n	No	No
Chongqing University	CCSA	n	n	n	n	n	n	No	No
CHTTL (<i>Chunghwa Telecommunication Laboratories, Chunghwa Telecommunication Co.</i>)	ETSI	n	n	n	n	n	n	No	No
CIS (<i>Center for Internet Security</i>)	ETSI	n	n	n	n	n	n	No	No
Cisco Systems	ATIS	n	n	n	n	n	y	Yes	No
Cisco Systems Belgium	ETSI	n	n	n	n	n	n	No	No
Cisco Systems France	ETSI	n	n	n	n	n	n	No	No
CITC (<i>CHINA INFORMATION TECHNOLOGY DESIGNING&CONSULTING INSTITUTE CO.,LTD.</i>)	CCSA	n	n	n	n	n	n	No	No
CMDI (<i>China Mobile Group Design Institute Co., Ltd</i>)	CCSA	n	y	y	y	n	y	Yes	Yes
CNES (<i>CNES - Centre National d'Etudes Spatiales</i>)	ETSI	n	n	n	n	n	n	No	No
Cohere Technologies	ATIS	n	n	n	n	n	n	No	No
Coherent Logix	ATIS	n	n	n	n	n	n	No	No
Comcast	ATIS	n	n	n	n	n	n	No	No
CommSolid GmbH	ETSI	n	n	n	n	n	n	No	No
Comprion GmbH	ETSI	n	n	n	n	n	n	No	No

Comtech Telecommunications Cor (<i>Comtech Telecommunications Corp</i>)	ATIS	n	y	n	n	n	n	No	No
Continental Automotive GmbH	ETSI	n	n	n	n	n	n	No	No
Conversant Wireless (<i>Conversant Wireless Licensing SARL</i>)	ETSI	n	n	n	n	n	n	No	No
Convida Wireless LLC	ETSI	n	y	n	n	n	n	No	No
CTTC (<i>Centre tecnologic de Telecomunicacions de Catalunya</i>)	ETSI	n	n	n	n	n	n	No	No
Individual Member - D	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy
Dai Nippon Printing Co., Ltd	ARIB	n	n	n	n	n	n	No	No
Datang Linktester Technology (<i>Datang Linktester Technology Co., Ltd.</i>)	CCSA	n	n	n	n	n	n	No	No
Datang Mobile Com. Equipment (<i>Datang Mobile Communications Equipment Co., Ltd</i>)	CCSA	n	n	n	n	n	n	No	No
DATANG TELECOM INTERNATIONAL (<i>DATANG TELECOM INTERNATIONAL TECHNOLOGY CO., LTD</i>)	CCSA	n	n	n	n	n	n	No	No
DCMS (<i>Department for Digital, Culture, Media and Sport</i>)	ETSI	n	n	y	n	n	n	No	No
DEKRA (<i>DEKRA testing and Certification, S.A.U.</i>)	ETSI	n	n	n	n	n	n	No	No
DENSO CORPORATION	ARIB	n	n	n	n	n	n	No	No
Department of Telecom (<i>Department of Telecommunications</i>)	TSDSI	n	n	n	n	n	n	No	No
Deutsche Telekom AG	ETSI	y	y	y	y	y	y	Yes	Yes
DFH Satellite Co., LTD	CCSA	n	n	n	n	n	n	No	No
Dish Network	ATIS	n	n	n	n	n	n	No	No
DOCOMO Communications Lab. (<i>DOCOMO Communications Laboratories Europe GmbH</i>)	ETSI	n	y	y	y	y	y	Yes	Yes
Dolby Laboratories Inc.	ETSI	n	n	n	n	n	n	No	No
Dongguan OPPO Precision Elec. (<i>Dongguan OPPO Precision Electronic Corp., Ltd.</i>)	CCSA	n	n	n	n	n	n	No	No
DSPG Edinburgh Ltd	ETSI	n	n	n	n	n	n	No	No
DTS Licensing Limited	ETSI	n	n	n	n	n	n	No	No
Individual Member - E	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy
East China Institute of Tel. (<i>East China Institute of Telecommunications</i>)	CCSA	n	n	n	n	n	n	No	No
EBU (<i>EBU - European Broadcasting Union</i>)	ETSI	n	n	n	n	n	n	No	No
ECO (<i>European Communications Office</i>)	ETSI	n	n	n	n	n	n	No	No
EMITE (<i>EMITE Ingenieria S.L.</i>)	ETSI	n	n	n	n	n	n	No	No
Empirix Inc. (<i>Empirix Inc. c/o Angelo Baccarani</i>)	ETSI	n	n	n	n	n	n	No	No
ENENSYS (<i>ENENSYS Technologies SA</i>)	ETSI	n	n	n	n	n	n	No	No

Entreprise des P. et T. (<i>Entreprise des Postes et Telecommunications</i>)	ETSI	n	n	n	n	n	n	No	No
Ericsson France S.A.S	ETSI	n	y	y	y	y	y	Yes	Yes
Ericsson GmbH, Eurolab (<i>Ericsson GmbH, Eurolab - Unternehmensbereich Forschung und Entwicklung</i>)	ETSI	n	y	n	y	n	y	Yes	Yes
Ericsson Inc. (<i>Ericsson Incorporated</i>)	ATIS	y	n	y	y	y	y	Yes	Yes
Ericsson India Private Limited	TSDSI	y	n	y	y	y	n	Yes	Yes
Ericsson Japan K.K.	ARIB	n	y	n	y	n	y	Yes	Yes
Ericsson Limited	ETSI	y	n	y	y	y	n	Yes	Yes
Ericsson LM (<i>Ericsson Telefonaktiebolaget LM</i>)	ETSI	y	y	y	y	n	y	Yes	Yes
Ericsson-LG Co., LTD	TTA	y	n	y	y	y	n	Yes	Yes
ESA (<i>ESA - European Space Agency</i>)	ETSI	n	n	n	n	n	n	No	No
ETELM (<i>Electronique Telematique ETELM</i>)	ETSI	n	n	n	n	n	n	No	No
ETISALAT (<i>EMIRATES TELECOMMUNICATIONS CORPORATION</i>)	ETSI	n	n	n	n	n	n	No	No
ETRI	TTA	n	n	n	n	n	n	No	No
ETS-Lindgren Europe	ETSI	n	n	n	n	n	n	No	No
EURECOM	ETSI	n	n	n	n	n	n	No	No
European Commission (<i>EC - European Commission</i>)	ETSI	n	n	n	n	n	n	No	No
European Patent Organisation	ETSI	n	n	n	n	n	n	No	No
Eutelsat S.A.	ETSI	n	n	n	n	n	n	No	No
EVE Compliancy Solutions	ETSI	n	n	n	n	n	n	No	No
Expway (<i>Expway SA</i>)	ETSI	n	n	n	n	n	n	No	No
Individual Member - F	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in- person	by- proxy
Fabasoft AG	ETSI	n	n	n	n	n	n	No	No
Facebook	ETSI	n	n	n	n	n	n	No	No
Fairspectrum Oy	ETSI	n	n	n	n	n	n	No	No
Fastweb S.p.A.	ETSI	n	n	n	n	n	n	No	No
FAU (<i>Friedrich-Alexander Universität Erlangen-Nürnberg</i>)	ETSI	n	n	n	n	n	n	No	No
FCC (<i>Federal Communications Commission</i>)	ATIS	n	n	n	n	n	n	No	No
FED. MINISTRY FOR TRANSPORT (<i>The Austrian Federal Ministry for Transport, Innovation and Technology</i>)	ETSI	n	n	n	n	n	n	No	No
Fiberhome Technologies Group	CCSA	n	n	n	n	n	n	No	No
FICORA (<i>Finnish Communications Regulatory Authority</i>)	ETSI	n	n	n	n	n	n	No	No
FirstNet	ATIS	n	n	n	n	n	n	No	No
France Brevets	ETSI	n	n	n	n	n	n	No	No
Fraunhofer FOKUS (<i>Fraunhofer Institute for Open Communication Systems FOKUS</i>)	ETSI	n	n	n	n	n	n	No	No
Fraunhofer HHI (<i>Fraunhofer Institute for</i>									

<i>Telecommunications, Heinrich Hertz Institute)</i>	ETSI	n	n	n	n	n	n	n	No	No
<i>Fraunhofer IIS (Fraunhofer Institut für Integrierte Schaltungen IIS)</i>	ETSI	n	n	n	n	n	n	n	No	No
Fudan University	CCSA	n	n	n	n	n	n	n	No	No
<i>FUJITSU Connected Technologies (FUJITSU Connected Technologies Limited)</i>	ARIB	n	n	n	n	n	n	n	No	No
<i>FUJITSU Laboratories of Europe (FUJITSU Laboratories of Europe Limited)</i>	ETSI	n	n	n	n	n	n	n	No	No
Fujitsu Limited	ARIB	y	n	n	n	n	n	n	No	No
Fujitsu Limited	ETSI	n	y	y	n	n	y		Yes	Yes
Fujitsu Limited	TTC	n	y	n	y	n	y		Yes	Yes
FUTURE CITIES CATAPULT	ETSI	n	n	n	n	n	n	n	No	No
Individual Member - G	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
<i>G+D MS (Giesecke+Devrient Mobile Security GmbH)</i>	ETSI	n	n	n	n	n	n	n	No	No
Gemalto N.V.	ETSI	n	n	n	n	n	n	n	No	No
<i>GENBAND Ireland Ltd (GENBAND Ireland Limited)</i>	ETSI	n	n	n	n	n	n	n	No	No
Gigaset Communications GmbH	ETSI	n	n	n	n	n	n	n	No	No
<i>Gilat (Gilat Satellite Networks Ltd)</i>	ETSI	n	n	n	n	n	n	n	No	No
GLOBALSTAR Inc.	ETSI	n	n	n	n	n	n	n	No	No
<i>GOHIGH DATA NETWORKS TECH. (GOHIGH DATA NETWORKS TECHNOLOGY CO., LTD)</i>	CCSA	n	n	n	n	n	n	n	No	No
Google Inc.	ATIS	n	n	n	n	n	n	n	No	No
<i>GTRC (Georgia Tech Research Corporation)</i>	ETSI	n	n	n	n	n	n	n	No	No
<i>Guangdong OPPO Mobile Telecom. (Guangdong OPPO Mobile Telecommunications Corp., Ltd)</i>	CCSA	n	n	n	n	n	n	n	No	No
Individual Member - H	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
<i>HA/AG (Harting AG & Co KG)</i>	ETSI	n	n	n	n	n	n	n	No	No
<i>HangZhou H3C Technologies Co. (HangZhou H3C Technologies Co. Ltd.)</i>	CCSA	n	n	n	n	n	n	n	No	No
Hansung University	TTA	n	n	n	n	n	n	n	No	No
Harris Corporation	ATIS	n	n	n	n	n	n	n	No	No
HCL Technologies limited	ETSI	n	n	n	n	n	n	n	No	No
HEAD acoustics GmbH	ETSI	n	n	n	n	n	n	n	No	No
HEPTA 7291	ETSI	n	n	n	n	n	n	n	No	No
HERON	ETSI	n	n	n	n	n	n	n	No	No
Hewlett-Packard Enterprise	ETSI	y	y	y	y	n	y		Yes	Yes
Hisense Co., Ltd.	CCSA	n	n	n	n	n	n	n	No	No
HiSilicon Technologies Co. Ltd (HiSilicon	CCSA	y	n	y	y	y	y		Yes	Yes

<i>Technologies Co.Ltd)</i>									
Hitachi Europe Ltd.	ETSI	n	n	n	n	n	n	No	No
HOME OFFICE	ETSI	n	n	n	n	n	n	No	No
HTC Corporation	CCSA	n	n	n	n	n	n	No	No
Huawei Device Co., Ltd	CCSA	n	y	y	y	y	n	Yes	Yes
HUAWEI TECH. GmbH (<i>HUAWEI TECHNOLOGIES Duesseldorf GmbH</i>)	ETSI	y	y	y	y	y	n	Yes	Yes
Huawei Tech.(UK) Co., Ltd (<i>Huawei Technologies (UK) Co., Ltd.</i>)	ETSI	y	y	y	y	y	n	Yes	Yes
Huawei Technologies Co. Ltd.	ETSI	n	y	y	y	y	y	Yes	Yes
HuaWei Technologies Co., Ltd	CCSA	n	y	y	y	y	n	Yes	Yes
Huawei Technologies France	ETSI	n	n	y	y	y	y	Yes	Yes
HUAWEI Technologies Japan K.K.	ARIB	y	n	n	y	n	y	Yes	Yes
Huawei Technologies R&D UK (<i>Huawei Technologies Research & Development (UK) Limited</i>)	ETSI	n	n	n	n	n	y	Yes	No
Huawei Technologies Sweden AB	ETSI	n	y	y	y	y	y	Yes	Yes
Huawei Telecommunication India (<i>Huawei Telecommunication (India) Co. Pvt. Ltd.</i>)	TSDSI	y	y	y	y	y	n	Yes	Yes
HUGHES Network Systems Ltd	ETSI	n	n	n	n	n	n	No	No
Husqvarna AB (<i>Husqvarna AB (publ)</i>)	ETSI	n	n	n	n	n	n	No	No
Hytera Communications Corp. (<i>Hytera Communications Corporation Limited</i>)	CCSA	n	n	n	n	n	y	Yes	No
Hyundai Motors	TTA	n	n	n	n	n	n	No	No
Individual Member - I	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy
IAESI (<i>IAESI - Israel Association of Electronics & Software Industries</i>)	ETSI	n	n	n	n	n	n	No	No
IBM Europe	ETSI	n	n	n	n	n	n	No	No
ICS (<i>Institute for Communication Systems - University of Surrey</i>)	ETSI	n	n	n	n	n	n	No	No
Idaho National Laboratory	ETSI	n	n	n	n	n	n	No	No
IDEMIA	ETSI	n	n	n	y	n	n	Yes	No
II (<i>Institute for Information Industry</i>)	ETSI	n	n	n	n	n	n	No	No
IIT Bombay (<i>Indian Institute of Technology Bombay</i>)	TSDSI	n	n	n	n	n	n	No	No
Indian Institute of Tech (D) (<i>Indian Institute of Technology Delhi</i>)	TSDSI	n	n	n	n	n	n	No	No
Indian Institute of Tech (H) (<i>Indian Institute of Technology Hyderabad</i>)	TSDSI	n	n	n	n	n	n	No	No
Indian Institute of Tech (M) (<i>Indian Institute of Technology Madras</i>)	TSDSI	n	n	n	n	n	n	No	No
Infineon Technologies	ETSI	n	n	n	n	n	n	No	No
Inmarsat	ETSI	n	n	n	n	n	n	No	No
Institut Mines-Telecom	ETSI	n	n	n	n	n	n	No	No

Institute VEDECOM	ETSI	n	n	n	n	n	n	n	No	No
Intel	ATIS	n	y	y	n	y	n	Yes	Yes	Yes
Intel China Ltd.	CCSA	y	y	y	n	y	y	Yes	Yes	Yes
Intel Corporation (UK) Ltd	ETSI	y	y	y	y	n	n	Yes	Yes	Yes
Intel Deutschland GmbH	ETSI	n	y	n	y	n	n	Yes	Yes	Yes
Intel Finland Oy	ETSI	n	y	y	y	n	n	Yes	Yes	Yes
Intel K.K.	ARIB	n	y	y	y	n	y	Yes	Yes	Yes
Intel Korea, Ltd.	TTA	n	y	y	n	y	n	Yes	Yes	Yes
Intel Mobile Communications	TSDSI	n	y	y	y	n	n	Yes	Yes	Yes
Intel Mobile Denmark (<i>Intel Mobile Communications Denmark ApS</i>)	ETSI	y	y	y	y	n	y	Yes	Yes	Yes
Intel Mobile France (<i>Intel Mobile Communications France SAS</i>)	ETSI	n	y	y	y	n	n	Yes	Yes	Yes
Interdigital Asia LLC	TTA	n	n	n	n	n	n	No	No	No
InterDigital Communications (<i>InterDigital Communications Corporation</i>)	ATIS	n	n	n	n	n	n	No	No	No
InterDigital, Inc.	ETSI	n	n	n	n	n	n	No	No	No
Intertek	ETSI	n	n	n	n	n	n	No	No	No
IPCom GmbH & Co.KG	ETSI	n	n	n	n	n	n	No	No	No
Irdeto BV	ETSI	n	n	n	n	n	n	No	No	No
IRT (<i>Institut für Rundfunktechnik (IRT)</i>)	ETSI	n	n	n	n	n	n	No	No	No
Iskratel d.o.o. Ltd (<i>Iskratel d.o.o. Ltd., Telecommunications Systems</i>)	ETSI	n	n	n	n	n	n	No	No	No
ITALTEL SpA	ETSI	n	n	n	n	n	n	No	No	No
ITL (<i>Innovative Technology Lab Co., Ltd</i>)	TTA	n	n	n	n	n	n	No	No	No
ITOCHU Techno-Solutions Corp (<i>ITOCHU Techno-Solutions Corporation</i>)	TTC	n	n	n	n	n	n	No	No	No
ITRI (<i>Industrial Technology Research Institute</i>)	ETSI	n	n	n	n	n	n	No	No	No
ITRON SAS	ETSI	n	n	n	n	n	n	No	No	No
Individual Member - J	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
Japan Radio Co., Ltd	ARIB	n	n	n	n	n	n	No	No	No
John Deere GmbH & Co. KG	ETSI	n	n	n	n	n	n	No	No	No
Johns Hopkins University APL (<i>Johns Hopkins University Applied Physics Laboratory</i>)	ATIS	n	n	n	n	n	n	No	No	No
Juniper Networks	ETSI	n	n	n	n	n	n	No	No	No
Individual Member - K	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
Kapsch CarrierCom France S.A.S	ETSI	n	n	n	n	n	n	No	No	No
Kapsch TrafficCom AG	ETSI	n	n	n	n	n	n	No	No	No
KATHREIN-Werke KG	ETSI	n	n	n	n	n	n	No	No	No
KDDI Corporation	ARIB	n	n	n	n	n	y	Yes	No	No

KDDI Corporation	TTC	n	n	n	n	n	n	n	No	No
Keysight Technologies UK Ltd	ETSI	n	n	n	n	n	n	n	No	No
Korea Testing Laboratory	TTA	n	n	n	n	n	n	n	No	No
Korean Register of Shipping	TTA	n	n	n	n	n	n	n	No	No
KPN N.V. (<i>Koninklijke KPN N.V.</i>)	ETSI	n	n	n	n	n	n	n	No	No
KRRI (<i>Korea Railroad Research Institute</i>)	TTA	n	n	n	n	n	n	n	No	No
KT Corp. (<i>KT Corporation</i>)	TTA	n	n	n	n	n	n	n	No	No
Kyocera Corporation	ARIB	n	n	n	n	n	n	n	No	No
Individual Member - L	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
LEGRAND FRANCE (<i>LEGRAND FRANCE ISERE</i>)	ETSI	n	n	n	n	n	n	n	No	No
Lenovo (Beijing) Ltd	CCSA	n	n	n	y	n	n	n	Yes	No
Lenovo Mobile Com. Technology (<i>Lenovo Mobile Communication Technology Ltd.</i>)	CCSA	n	n	n	n	n	n	n	No	No
Leonardo SpA	ETSI	n	n	n	n	n	n	n	No	No
LG Electronics Deutschland (<i>LG Electronics Deutschland GmbH</i>)	ETSI	n	n	n	n	n	n	n	No	No
LG Electronics Finland (<i>LG Electronics Finland Lab Oy</i>)	ETSI	n	n	n	n	n	n	n	No	No
LG Electronics France	ETSI	n	n	n	n	n	n	n	No	No
LG Electronics Inc.	TTA	n	n	n	n	n	n	n	No	No
LG Electronics Mobile Research (<i>LG Electronics Mobile Research U.S.A.</i>)	ATIS	n	n	n	n	n	n	n	No	No
LG Electronics Polska (<i>LG Electronics Polska Sp. z.o.o.</i>)	ETSI	n	n	n	n	n	n	n	No	No
LG Electronics UK (<i>LG Electronics UK Ltd</i>)	ETSI	n	n	n	n	n	n	n	No	No
LG Uplus	TTA	n	n	n	n	n	n	n	No	No
Ligado Networks	ETSI	n	n	n	n	n	n	n	No	No
Lockheed Martin	ATIS	n	n	n	n	n	n	n	No	No
Individual Member - M	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
Marben Products	ETSI	n	n	n	n	n	n	n	No	No
Mavenir (<i>Mavenir Systems, Inc</i>)	ETSI	n	n	n	n	n	n	n	No	No
MCIT (<i>Ministry of Communication and Information Technology</i>)	ETSI	n	n	n	n	n	n	n	No	No
MediaTek (Chengdu) Inc.	CCSA	n	n	n	n	n	n	n	No	No
MediaTek (Hefei) Inc.	CCSA	n	n	n	n	n	n	n	No	No
MediaTek (Shenzhen) Inc.	CCSA	n	n	n	n	n	n	n	No	No
MediaTek (Wuhan) Inc.	CCSA	n	n	n	n	n	n	n	No	No
MediaTek Beijing Inc.	CCSA	n	n	n	n	n	n	n	No	No
MediaTek Inc. (<i>MediaTek Incorporated</i>)	ETSI	n	n	n	n	n	n	n	No	No
Meizu Technology	CCSA	n	n	n	n	n	n	n	No	No

Mesaqin.com s.r.o (Ltd.)	ETSI	n	n	n	n	n	n	n	No	No
Microsemi (<i>Microsemi Semiconductor ULC</i>)	ETSI	n	n	n	n	n	n	n	No	No
Microsoft Europe SARL	ETSI	n	n	n	n	n	n	n	No	No
MINETAD (<i>MINISTRY OF ENERGY, TOURISM AND DIGITAL AGENDA.</i>)	ETSI	n	n	n	n	n	n	n	No	No
MINISTERE DE L'INTERIEUR	ETSI	n	n	n	n	n	n	n	No	No
Ministère Economie et Finances (<i>Ministère de l'Economie et des Finances</i>)	ETSI	n	n	n	n	n	n	n	No	No
Ministry of Economic Affairs	ETSI	n	n	n	n	n	n	n	No	No
Ministry of Transport and Cons (<i>Ministry of Transport and Construction of the Slovak Republic</i>)	ETSI	n	n	n	n	n	n	n	No	No
MITRE Corporation	ETSI	n	n	n	n	n	n	n	No	No
Mitsubishi Electric Co.	ARIB	n	n	n	n	n	n	n	No	No
Mitsubishi Electric Corp (<i>Mitsubishi Electric Corporation</i>)	TTC	n	n	n	n	n	n	n	No	No
Mitsubishi Electric RCE (<i>Mitsubishi Electric R&D Centre Europe</i>)	ETSI	n	n	n	n	n	n	n	No	No
Motorola Mobility España SA	ETSI	n	n	n	y	n	n	n	Yes	No
Motorola Mobility France S.A.S	ETSI	n	n	n	n	y	n	n	Yes	No
Motorola Mobility Germany GmbH	ETSI	n	n	n	y	n	n	n	Yes	No
Motorola Mobility UK Ltd.	ETSI	n	n	y	n	n	n	n	No	No
Motorola Solutions Danmark A/S	ETSI	y	y	y	n	n	y	n	Yes	Yes
Motorola Solutions Germany (<i>Motorola Solutions Germany GmbH</i>)	ETSI	y	y	y	y	n	n	n	Yes	Yes
Motorola Solutions UK Ltd.	ETSI	n	y	y	n	n	n	n	No	No
MTCC (<i>Mobile Technology Convergence Center</i>)	TTA	n	n	n	n	n	n	n	No	No
MTI (<i>Microelectronics Technology Inc.</i>)	ETSI	n	n	n	n	n	n	n	No	No
MTN Dubai LLC (<i>Mobile Telephone Networks Dubai LLC</i>)	ETSI	n	n	n	n	n	n	n	No	No
Multi-Tech Systems, Inc	ETSI	n	n	n	n	n	n	n	No	No
Murata Manufacturing Co Ltd. (<i>Manufacturing Co Ltd.</i>)	ARIB	n	n	n	n	n	n	n	No	No
MVG Industries	ETSI	n	n	n	n	n	n	n	No	No
Individual Member - N	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
Nanjing Ericsson Panda Com Ltd (<i>NANJING ERICSSON PANDA COMMUNICATIONS LTD</i>)	CCSA	n	y	n	y	n	y	n	Yes	Yes
Nanjing Ticom Tech Co.,Ltd	CCSA	n	n	n	n	n	n	n	No	No
National Instruments Corp. (<i>National Instruments Corporation</i>)	ETSI	n	n	n	n	n	n	n	No	No
National Taiwan University	ETSI	n	n	n	n	n	n	n	No	No
National Technical Assistance (<i>National Technical Assistance Centre</i>)	ETSI	n	n	n	n	n	n	n	No	No
nbn co Limited (<i>nbn co Limited (ABN 86 136 533</i>)	ETSI	n	n	n	n	n	n	n	No	No

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NCSC (National Cyber Security Centre)	ETSI	n	y	n	n	n	n	No	No
NDRE (National Defence Radio Establishment)	ETSI	n	n	n	n	n	n	No	No
NEC Corporation	ARIB	n	n	n	n	y	n	Yes	No
NEC Corporation	ETSI	y	n	y	y	n	n	Yes	Yes
NEC Corporation	TTC	n	n	n	y	n	y	Yes	Yes
NEC Europe Ltd	ETSI	n	n	n	y	n	n	Yes	No
NEC Telecom MODUS Ltd.	ETSI	n	n	n	n	n	n	No	No
Netas (Netas Telecommunication A.S.)	ETSI	n	n	n	n	n	n	No	No
NetComm Wireless Limited	ETSI	n	n	n	n	n	n	No	No
Netscout Systems Inc.	ETSI	n	n	n	n	n	n	No	No
NextNav	ATIS	n	y	n	n	n	n	No	No
NHK (NHK (Japan Broadcasting Corporation))	ARIB	n	n	n	n	n	n	No	No
NICT (National Institute of Information and Communications Technology)	ARIB	n	n	n	n	n	n	No	No
NIST (National Institute of Standards and Technology)	ATIS	n	n	n	n	n	n	No	No
Nkom (Norwegian Communications Authority)	ETSI	n	n	n	n	n	n	No	No
Nokia	ATIS	y	n	y	y	n	y	Yes	Yes
Nokia Belgium (Alcatel-Lucent Bell NV)	ETSI	n	y	n	y	n	y	Yes	Yes
Nokia Corporation	ETSI	n	y	n	y	y	n	Yes	Yes
Nokia France (Alcatel-Lucent International)	ETSI	y	n	y	n	y	n	Yes	Yes
Nokia Germany (Nokia Solutions and Networks GmbH & Co. KG)	ETSI	y	y	y	y	y	y	Yes	Yes
Nokia Japan	ARIB	n	y	y	y	n	y	Yes	Yes
Nokia Korea	TTA	y	n	y	n	n	y	Yes	Yes
Nokia Shanghai Bell (Nokia Shanghai Bell Co., Ltd)	CCSA	y	y	y	y	y	n	Yes	Yes
Nokia Solutions & Networks (I) (Nokia Solutions and Networks India Pvt. Ltd.)	TSDSI	y	n	y	y	y	y	Yes	Yes
Nokia UK (Alcatel-Lucent Telecom Limited)	ETSI	n	y	n	n	y	y	Yes	Yes
Nomor Research GmbH	ETSI	n	n	n	n	n	n	No	No
Nordic Semiconductor ASA	ETSI	n	n	n	n	n	n	No	No
NOVAMINT	ETSI	n	n	n	n	n	n	No	No
NSI-MI Technologies	ATIS	n	n	n	n	n	n	No	No
NTC Corporation (Nippon information Technology Consulting)	TTC	n	n	n	n	n	n	No	No
NTIA (National Telecommunications and Information Administration)	ATIS	n	n	n	n	n	n	No	No
NTT (Nippon Telegraph and Telephone Corporation (NTT))	TTC	n	n	n	n	y	y	Yes	Yes
NTT corporation (Nippon Telegraph and Telephone Corporation)	ETSI	y	n	n	y	n	y	Yes	Yes
NTT DOCOMO INC.	ARIB	y	y	y	y	n	y	Yes	Yes
NTT DOCOMO INC.	TTC	n	y	n	n	y	y	Yes	Yes
Nubia Technology Co.,Ltd	CCSA	n	y	y	y	n	y	Yes	Yes
NXP Semiconductors Netherlands (NXP									

<i>Semiconductors Netherlands B.V.)</i>	ETSI	n	n	n	n	n	n	No	No
Individual Member - O	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy
Ofcom (CH)	ETSI	n	n	n	n	n	n	No	No
<i>Ofcom (U.K.) (Ofcom - Office of Communications (U.K.))</i>	ETSI	n	n	n	n	n	n	No	No
Office of Emergency Com. (Office of Emergency Communications (OEC))	ATIS	y	n	n	n	n	y	Yes	No
Ogero Telecom	ETSI	n	n	n	n	n	n	No	No
Oki Electric Industry Co. Ltd. (OKi Electric Industry Co., Ltd)	TTC	n	n	n	n	y	y	Yes	Yes
<i>OMESH Technologies Co. Ltd. (OMESH Technologies (China) Co. Ltd.)</i>	ATIS	n	n	n	n	n	n	No	No
one2many B.V.	ETSI	n	y	y	y	y	n	Yes	Yes
OnStar Europe	ETSI	n	n	n	n	n	n	No	No
OOREDOO	ETSI	n	n	n	n	n	n	No	No
Openet Telecom	ETSI	n	n	n	n	n	n	No	No
Oracle Corporation	ETSI	n	y	y	y	n	y	Yes	Yes
Orange	ETSI	y	y	y	y	n	y	Yes	Yes
Orange Romania	ETSI	y	y	y	y	y	y	Yes	Yes
Orange Spain (France Telecom España S.A.U.)	ETSI	y	y	y	y	y	y	Yes	Yes
Orange UK (Orange Brand Services Ltd)	ETSI	y	y	y	y	y	y	Yes	Yes
<i>OTD (Operational Technology Division (OTD))</i>	ETSI	n	n	n	n	n	n	No	No
Individual Member - P	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy
P3 communications GmbH	ETSI	n	n	n	n	n	n	No	No
Panasonic Corporation	ARIB	n	n	n	n	n	n	No	No
<i>PANASONIC R&D Center Germany (PANASONIC R&D Center Germany GmbH)</i>	ETSI	n	n	n	n	n	n	No	No
<i>PCTEST Engineering Lab (PCTEST Engineering Laboratory, Inc.)</i>	ATIS	n	n	n	n	n	n	No	No
Peking University	CCSA	n	n	n	n	n	n	No	No
<i>PETER-SERVICE, JSC (Joint Stock Company PETER-SERVICE)</i>	ETSI	n	n	n	n	n	n	No	No
Philips International B.V.	ETSI	n	n	n	n	n	n	No	No
PIDS	ETSI	n	n	n	n	n	n	No	No
Pivotal Commware	ATIS	n	n	n	n	n	n	No	No
<i>PIWorks (PIWorks TR Bilisim Hizmetleri Ticaret ve Sanayi A.S.)</i>	ETSI	n	n	n	n	n	n	No	No
<i>Polaran (Polaran Yazilim Bilisim Danismanlik Ithalat Ihracat Sanayi Ticaret Limited Sikketi)</i>	ETSI	n	n	n	n	n	n	No	No
Polaris Wireless	ATIS	n	n	n	n	n	n	No	No

Potevio Company Limited	CCSA	n	n	n	n	n	n	n	No	No
Prisma Telecom Testing srl	ETSI	n	n	n	n	n	n	n	No	No
Procera Networks AB	ETSI	n	n	n	n	n	n	n	No	No
Proximus Plc	ETSI	n	y	n	y	n	n	n	Yes	Yes
PT Portugal SGPS SA	ETSI	n	n	n	n	n	n	n	No	No
PTS (Swedish Post and Telecom Authority)	ETSI	n	n	y	n	n	n	n	No	No
Public Safety Canada	ETSI	n	n	n	n	n	n	n	No	No
Individual Member - Q	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
Qihoo 360 (Qihoo 360 Technology Co., Ltd.)	CCSA	n	n	n	n	n	n	n	No	No
Qorvo	ETSI	n	n	n	n	n	n	n	No	No
Qualcomm Austria RFFE GmbH	ETSI	n	y	y	n	y	n	n	Yes	Yes
Qualcomm CDMA Technologies (Qualcomm CDMA Technologies GmbH)	ETSI	y	n	n	y	y	n	n	Yes	Yes
Qualcomm Europe Inc. (Spain)	ETSI	n	n	y	y	n	y	n	Yes	Yes
Qualcomm Europe Inc.(France)	ETSI	y	y	y	n	y	n	n	Yes	Yes
Qualcomm Europe Inc.(Italy) (Qualcomm Europe Inc. (Italy))	ETSI	y	n	y	y	n	y	n	Yes	Yes
Qualcomm Finland RFFE Oy	ETSI	n	y	y	y	n	y	n	Yes	Yes
Qualcomm Incorporated	ATIS	n	y	y	y	n	y	n	Yes	Yes
Qualcomm India Pvt Ltd	TSDSI	n	n	y	y	n	y	n	Yes	Yes
Qualcomm Japan Inc	ARIB	n	n	y	y	y	n	n	Yes	Yes
Qualcomm Korea	TTA	y	y	y	y	n	y	n	Yes	Yes
Qualcomm Tech. Netherlands B.V (Qualcomm Technologies Netherlands B.V.)	ETSI	y	n	y	y	n	y	n	Yes	Yes
Qualcomm UK Ltd	ETSI	n	n	y	y	y	n	n	Yes	Yes
Qualcomm Wireless GmbH	ETSI	n	y	y	y	n	n	n	Yes	Yes
Quixoticity	ETSI	n	n	n	n	n	n	n	No	No
Individual Member - R	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
RadiSys (RadiSys Inc.)	ETSI	n	n	n	n	n	n	n	No	No
RATEL (Republic Telecommunication Agency)	ETSI	n	n	n	n	n	n	n	No	No
RED Technologies SAS	ETSI	n	n	n	n	n	n	n	No	No
Redline Communications Inc.	ATIS	n	n	n	n	n	n	n	No	No
Reliance Jio	TSDSI	n	n	n	n	n	n	n	No	No
ROBERT BOSCH GmbH	ETSI	n	n	n	n	n	n	n	No	No
Rogers Communications Canada (Rogers Communications Canada Inc.)	ETSI	n	n	n	n	n	n	n	No	No
ROHDE & SCHWARZ (ROHDE & SCHWARZ GmbH & Co.KG)	ETSI	n	n	n	n	n	n	n	No	No
Ruckus (Ruckus Wireless Inc.)	ETSI	n	n	n	n	n	n	n	No	No

Individual Member - S	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in- person	by- proxy
Saankhya Labs (<i>Saankhya Labs Private Limited</i>)	TSDSI	n	n	n	n	n	n	No	No
Sagemcom Broadband SAS	ETSI	n	n	n	n	n	n	No	No
Saguna Networks Ltd	ETSI	n	n	n	n	n	n	No	No
SAICT	CCSA	n	n	n	n	n	n	No	No
Samsung Electronics Benelux BV	ETSI	n	n	n	n	n	n	No	No
Samsung Electronics Co., Ltd (<i>Samsung Electronics Ind. Co., Ltd.</i>)	TTA	n	n	n	n	n	n	No	No
SAMSUNG Electronics Co., Ltd.	ARIB	n	n	n	n	n	n	No	No
Samsung Electronics Czech	ETSI	n	n	n	n	n	n	No	No
Samsung Electronics France SA	ETSI	n	n	n	n	n	n	No	No
Samsung Electronics GmbH	ETSI	n	n	n	n	n	n	No	No
Samsung Electronics Iberia SA	ETSI	n	n	n	n	n	n	No	No
Samsung Electronics Nordic AB	ETSI	n	n	n	n	n	n	No	No
Samsung Electronics Polska	ETSI	n	n	n	n	n	n	No	No
Samsung Electronics Romania (<i>Samsung Electronics Romania SRL</i>)	ETSI	n	n	n	n	n	n	No	No
Samsung R&D Institute India (<i>Samsung R&D Institute India - Bangalore Pvt. Ltd</i>)	TSDSI	n	n	n	n	n	n	No	No
Samsung R&D Institute UK	ETSI	n	n	n	n	n	n	No	No
Samsung Research America	ATIS	n	n	n	n	n	n	No	No
Sandvine Incorporated	ETSI	y	n	n	n	n	n	No	No
Sanechips (<i>Sanechips Technology Co. , Ltd.</i>)	CCSA	y	y	y	n	y	n	Yes	Yes
Semtech Neuchatel SA	ETSI	n	n	n	n	n	n	No	No
Sennheiser Electronic GmbH (<i>Sennheiser Electronic GmbH & Co. KG</i>)	ETSI	n	n	n	n	n	n	No	No
Sapura PLC	ETSI	n	n	n	n	n	n	No	No
Sequans Communications	ETSI	n	n	n	n	n	n	No	No
SES S.A.	ETSI	n	n	n	n	n	n	No	No
SGDSN (<i>Secrétariat Général de la Défense et de la Sécurité Nationale (SGDSN)</i>)	ETSI	n	n	n	n	n	n	No	No
SGS Wireless	ETSI	n	n	n	n	n	n	No	No
Shanghai Chen Si Electronics (<i>Shanghai Chen Si Electronics Technology Co., Ltd</i>)	CCSA	n	n	n	n	n	n	No	No
Shanghai Jiao Tong University	CCSA	n	n	n	n	n	n	No	No
Shanghai Tejet Com Technology (<i>Shanghai Tejet Communications Technology Co., Ltd.</i>)	CCSA	n	n	n	n	n	n	No	No
SHARP Corporation	ARIB	y	y	y	y	y	y	Yes	Yes
Shenzhen Coolpad Technologies (<i>Shenzhen Coolpad Technologies Co., Ltd</i>)	CCSA	n	n	n	n	n	n	No	No
Shenzhen YZF Network Technolog (<i>Shenzhen Yun Zhong Fei Network Technology Co.</i>)	CCSA	n	n	n	n	n	n	No	No
SIA (<i>Shenyang Institute of Automation, Chinese Academy of Sciences</i>)	CCSA	n	n	n	n	n	n	No	No

Siemens AG	ETSI	n	n	n	n	n	n	No	No
Sierra Wireless, S.A.	ETSI	n	n	n	n	n	n	No	No
SIGFOX	ETSI	n	n	n	n	n	n	No	No
SIGOS GmbH	ETSI	n	n	n	n	n	n	No	No
Sisvel SPA	ETSI	n	n	n	n	n	n	No	No
SK Telecom	TTA	n	n	n	n	n	n	No	No
SkyTL Inc.	ETSI	n	n	n	n	n	n	No	No
Skyworks Solutions Inc.	ETSI	n	n	n	n	n	n	No	No
SoftBank Corp.	ARIB	y	y	y	y	n	y	Yes	Yes
Softel Systems Pty Ltd	ETSI	n	n	n	n	n	n	No	No
Softil Ltd	ETSI	n	y	n	n	n	n	No	No
Sony Corporation	ARIB	n	n	n	n	n	n	No	No
Sony Europe Limited	ETSI	n	n	n	n	n	n	No	No
Sony Mobile Communications (<i>Sony Mobile Communications, Inc.</i>)	ARIB	n	n	n	n	n	n	No	No
SouthernLINC Wireless	ATIS	n	n	n	n	n	n	No	No
Southwest Jiaotong university	CCSA	n	n	n	n	n	n	No	No
SP Technical Research (<i>SP Technical Research Institute</i>)	ETSI	n	n	n	n	n	n	No	No
SpiderCloud Wireless	ETSI	n	n	n	n	n	n	No	No
Spirent Communications	ETSI	n	n	n	n	n	n	No	No
Sporton International Inc (<i>Sporton International Inc.</i>)	ETSI	n	n	n	n	n	n	No	No
Spreadtrum Communications (<i>Spreadtrum Communications (Shanghai) Co., Ltd.</i>)	CCSA	n	n	n	n	n	n	No	No
Sprint Corporation	ATIS	n	n	n	n	n	n	No	No
SPRINT Corporation	ETSI	n	y	y	y	y	y	Yes	Yes
SRG Research and Consulting (<i>SRG Research and Consulting Services</i>)	ETSI	n	n	n	n	n	n	No	No
SRTC (<i>The State Radio_monitoring_center Testing Center</i>)	CCSA	n	n	n	n	n	n	No	No
Starpoint (<i>Beijing Starpoint Technology Company Limited</i>)	CCSA	n	n	n	n	n	n	No	No
STMicroelectronics (<i>STMicroelectronics International NV</i>)	ETSI	n	n	n	n	n	n	No	No
Sumitomo Elec. Industries, Ltd (<i>Sumitomo Electric Industries, Ltd.</i>)	ARIB	n	n	n	n	n	n	No	No
Suomen virveverkko Oy	ETSI	n	n	n	n	n	n	No	No
SWISSCOM (<i>SWISSCOM SA</i>)	ETSI	n	n	n	n	n	n	No	No
SyncTechno Inc.	ETSI	n	n	n	n	n	n	No	No
Individual Member - T	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy
Tait Europe Limited	ETSI	n	n	n	n	n	n	No	No
TCL Communication Ltd.	CCSA	n	n	n	n	n	n	No	No
		n	n	n	n	n	n		

TCT Mobile Limited	ETSI							No	No
TD Tech Ltd	CCSA	n	n	n	n	n	n	No	No
TDF (<i>TDF SAS</i>)	ETSI	n	n	n	n	n	n	No	No
Tech Mahindra Limited	TSDSI	n	n	n	n	n	n	No	No
Technicolor (<i>Technicolor SA</i>)	ETSI	n	n	n	n	n	n	No	No
Tejas Networks Ltd.	TSDSI	n	n	n	n	n	n	No	No
Telecom Italia S.p.A.	ETSI	n	y	n	y	n	y	Yes	Yes
Telefonica Germany GmbH (<i>Telefónica Germany GmbH & Co OHG</i>)	ETSI	n	n	n	n	n	n	No	No
TELEFONICA S.A.	ETSI	n	n	n	y	n	n	Yes	No
Telekom Deutschland GmbH	ETSI	y	y	y	y	y	y	Yes	Yes
Telekom R&D Sdn Bhd (<i>Telekom Research & Development Sdn Bhd</i>)	CCSA	n	n	n	n	n	n	No	No
TELENOR ASA	ETSI	n	n	n	n	n	n	No	No
Teleste Corporation (<i>Teleste Corporation Plc</i>)	ETSI	n	n	n	n	n	n	No	No
Telia Company AB	ETSI	n	n	n	n	n	n	No	No
Telit Communications S.p.A.	ETSI	n	n	n	n	n	n	No	No
TELKOM SA SOC Ltd	ETSI	n	n	n	n	n	n	No	No
Telstra Corporation Limited	ETSI	n	n	n	n	n	n	No	No
TELUS	ATIS	n	n	n	n	n	n	No	No
TEOCO	ATIS	n	n	n	n	n	n	No	No
Teradyne	ATIS	n	n	n	n	n	n	No	No
Texas Instruments (<i>Texas Instruments France</i>)	ETSI	n	n	n	n	n	n	No	No
THALES	ETSI	n	n	y	n	n	n	No	No
The Police of the Netherlands (<i>The National Police of the Netherlands, Division MDC</i>)	ETSI	n	n	n	n	n	n	No	No
Tianjin Samsung Telecom (<i>Tianjin Samsung Telecom Technology Co., Ltd</i>)	CCSA	n	n	n	n	n	n	No	No
T-Mobile Austria GmbH	ETSI	y	y	y	n	n	n	No	No
T-Mobile Polska S.A. (<i>T-Mobile Polska Spolka Akcyjna</i>)	ETSI	y	y	y	y	y	y	Yes	Yes
T-Mobile USA Inc.	ATIS	n	y	y	y	y	y	Yes	Yes
TNO	ETSI	n	n	y	n	n	n	No	No
Tongji University	CCSA	n	n	n	n	n	n	No	No
Toshiba	ETSI	n	n	n	n	n	n	No	No
TOYOTA Info Technology Center (<i>TOYOTA Info Technology Center USA, Inc.</i>)	ETSI	n	n	n	n	n	n	No	No
Trafikverket	ETSI	n	n	n	n	n	n	No	No
trovicor (<i>trovicor FZ LLC</i>)	ETSI	n	n	n	n	n	n	No	No
Tsfun Algorithm Ltd.	ETSI	n	n	n	n	n	n	No	No
TURK TELEKOMUNIKASYON A.S. (<i>AVEA - TURK TELEKOMUNIKASYON A.S.</i>)	ETSI	n	n	n	n	n	n	No	No
TURKCELL (<i>Turkcell Iletisim Hizmetleri A.S.</i>)	ETSI	n	n	n	n	n	n	No	No
TUV SUD BABT (<i>TUV SUD BRITISH APPROVALS BOARD FOR TELECOMMUNICATIONS</i>)	ETSI	n	n	n	n	n	n	No	No
		Prior meeting participation						Has right to	

Individual Member - U	Partner							vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in- person	by- proxy
U.S. Department of Transport. (<i>U.S. Department of Transportation</i>)	ATIS	n	n	n	n	n	n	No	No
Ubiwhere Lda (UW) (<i>Ubiwhere Lda</i>)	ETSI	n	n	n	n	n	n	No	No
u-blox AG	ETSI	n	n	n	n	n	n	No	No
UESTC (<i>University of Electronic Science and Technology of China</i>)	CCSA	n	n	n	n	n	n	No	No
UK Broadband Ltd	ETSI	n	n	n	n	n	n	No	No
UL VS Ltd	ETSI	n	n	n	n	n	n	No	No
Union Inter. Chemins de Fer (<i>Union Internationale des Chemins de Fer</i>)	ETSI	n	n	n	n	n	n	No	No
Union Telephone Company	ATIS	n	n	n	n	n	n	No	No
UPV/EHU (<i>Universidad del País Vasco/Euskal Herriko Unibertsitatea</i>)	ETSI	n	n	n	n	n	n	No	No
US Cellular Corporation	ETSI	n	n	n	n	n	n	No	No
UTokyo (<i>The University of Tokyo</i>)	ETSI	n	n	n	n	n	n	No	No
Individual Member - V	Partner	Prior meeting participation						Has right to vote ...	
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in- person	by- proxy
VALID SOLUCIONES TECNOLÓGICAS (<i>VALID SOLUCIONES TECNOLÓGICAS S.A.U</i>)	ETSI	n	n	n	n	n	n	No	No
Vasona Networks Inc	ETSI	n	n	n	n	n	n	No	No
Vencore Labs	ATIS	y	y	y	y	y	y	Yes	Yes
Veolia Environnement S.A.	ETSI	n	n	n	n	n	n	No	No
Verizon UK Ltd	ETSI	n	y	y	y	y	y	Yes	Yes
ViaviSolutions Deutsch. GmbH (<i>Viavi Solutions Deutschland GmbH</i>)	ETSI	n	n	n	n	n	n	No	No
Virtuosys Limited	ETSI	n	n	n	n	n	n	No	No
vivo Communication Technology (<i>vivo Communication Technology Co., Ltd.</i>)	CCSA	n	n	n	n	n	n	No	No
vivo Mobile Com. (Chongqing) (<i>vivo Mobile Communication (Chongqing) Co., Ltd</i>)	CCSA	n	n	n	n	n	n	No	No
vivo Mobile Communication Co., (<i>vivo Mobile Communication Co., Ltd</i>)	CCSA	n	n	n	n	n	n	No	No
Vodafone España SA	ETSI	n	y	y	y	n	y	Yes	Yes
Vodafone GmbH	ETSI	n	y	n	n	y	y	Yes	Yes
Vodafone Group Plc	ETSI	n	y	y	y	n	y	Yes	Yes
Vodafone Ireland Plc	ETSI	n	y	y	y	n	n	Yes	Yes
Vodafone Italia SpA	ETSI	n	y	n	y	n	n	Yes	Yes
Vodafone Romania S.A.	ETSI	n	y	n	y	n	n	Yes	Yes
Vodafone Telekomünikasyon A.S.	ETSI	n	n	n	n	n	n	No	No
VoiceAge Corporation	ETSI	n	n	n	n	n	n	No	No
Volkswagen AG	ETSI	n	n	n	n	n	n	No	No
		n	n	n	n	n	n		

Volvo Car Corporation	ETSI								No	No
VT iDirect Solutions Ltd	ETSI	n	n	n	n	n	n	n	No	No
VTT (<i>VTT Technical Research Centre of Finland</i>)	ETSI	n	n	n	n	n	n	n	No	No
Individual Member - W	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
WE Certification Oy	ETSI	n	n	n	n	n	n	n	No	No
WILUS Inc.	TTA	n	n	n	n	n	n	n	No	No
Individual Member - X	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
Xiaomi Communications	CCSA	n	n	n	n	n	n	n	No	No
Xiaomi Technology	CCSA	n	n	n	n	n	n	n	No	No
Xidian University	CCSA	n	n	n	n	n	n	n	No	No
Xilinx Ireland	ETSI	n	n	n	n	n	n	n	No	No
Individual Member - Y	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
Yaana Limited	ETSI	n	n	n	n	n	n	n	No	No
Individual Member - Z	Partner	Prior meeting participation						Has right to vote ...		
		80 Kochi	81 Reno, Nevada	82 Gothenburg	83 Montreal	84 Kunming	85 Osaka	in-person	by-proxy	
Zhejiang University	CCSA	n	n	n	n	n	n	n	No	No
Zollkriminalamt (ZKA)	ETSI	n	n	n	n	n	n	n	No	No
ZTE Corporation	CCSA	n	y	y	y	n	y		Yes	Yes
ZTE Corporation	ETSI	y	y	n	y	y	y		Yes	Yes
ZTE Trunking Technology Corp. (<i>ZTE Trunking Technology Corporation</i>)	CCSA	y	y	n	y	y	y		Yes	Yes
ZTE Wistron Telecom AB	ETSI	y	y	y	y	y	n		Yes	Yes

Total of Individual Members with right to vote: 124