



ETSI



**Welcome
to the World
of Standards**

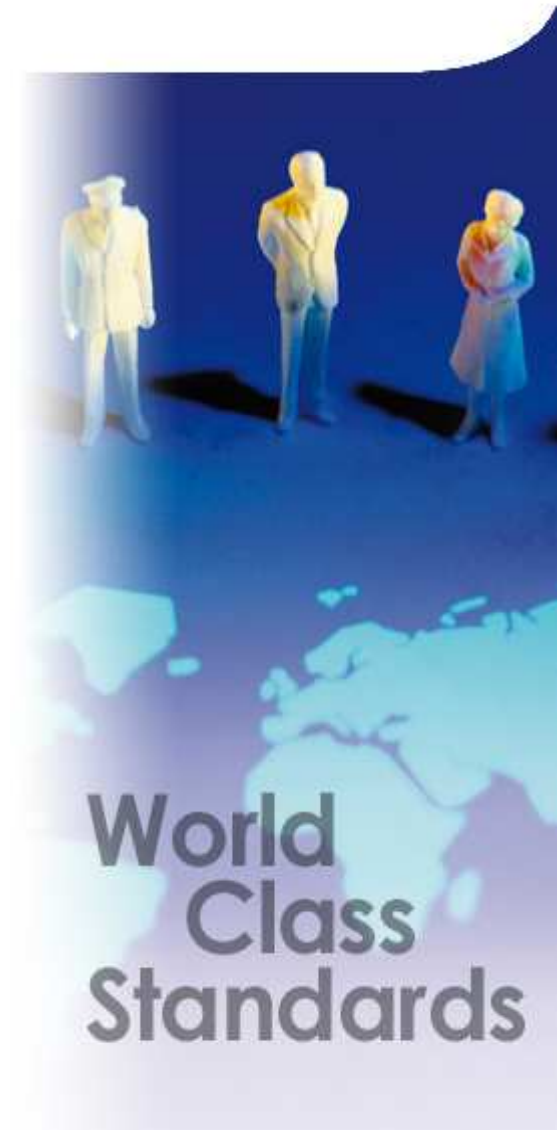


About ETSI

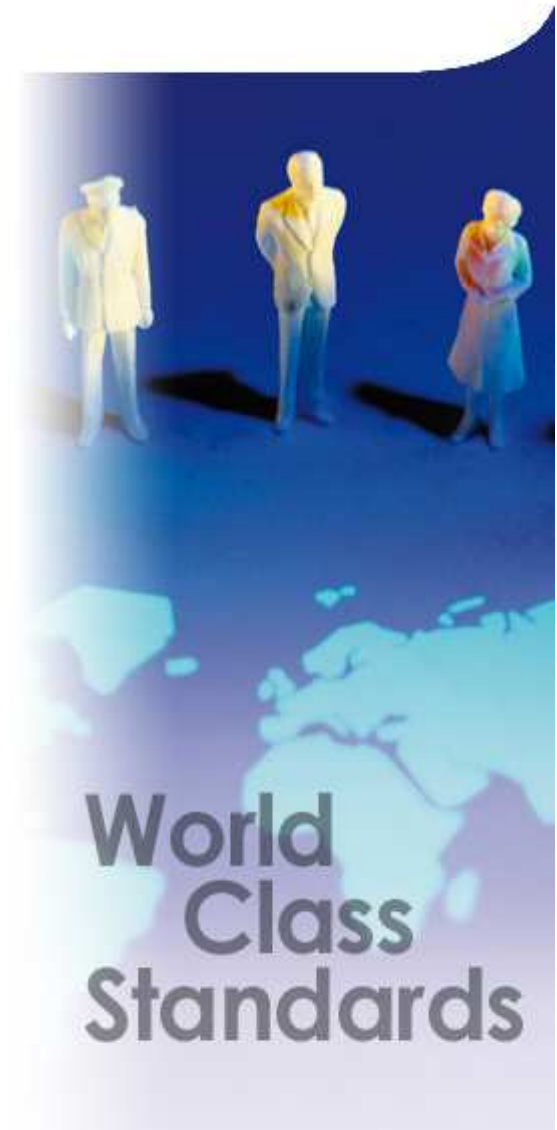
European roots, global outreach



- ETSI is a world-leading standards developing organization for Information and Communication Technologies (ICT)
- Founded initially to serve European needs, ETSI has become highly-respected as a producer of technical standards for worldwide use



- **Technical specifications and standards** with global application
- Support to industry and European **regulation**
- Specification & testing **methodologies**
- **Interoperability** testing

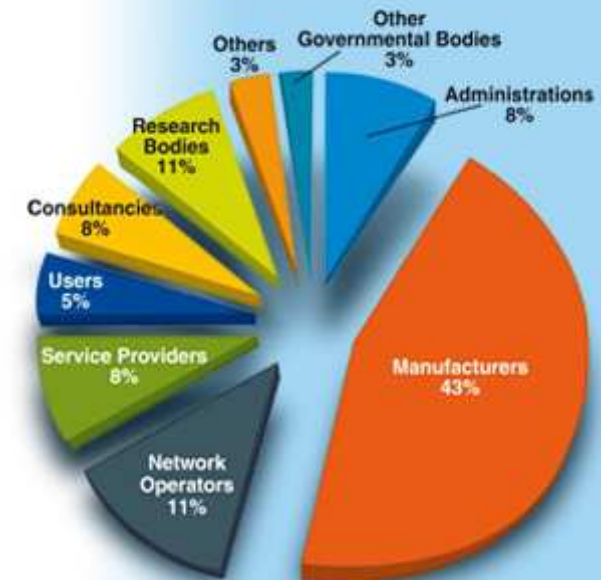


Membership



- Over **700 companies**, big and small, from more than **60 countries** on **5 continents**
- Manufacturers, network operators, service and content providers, national administrations, ministries, universities, research bodies, consultancies, user organizations

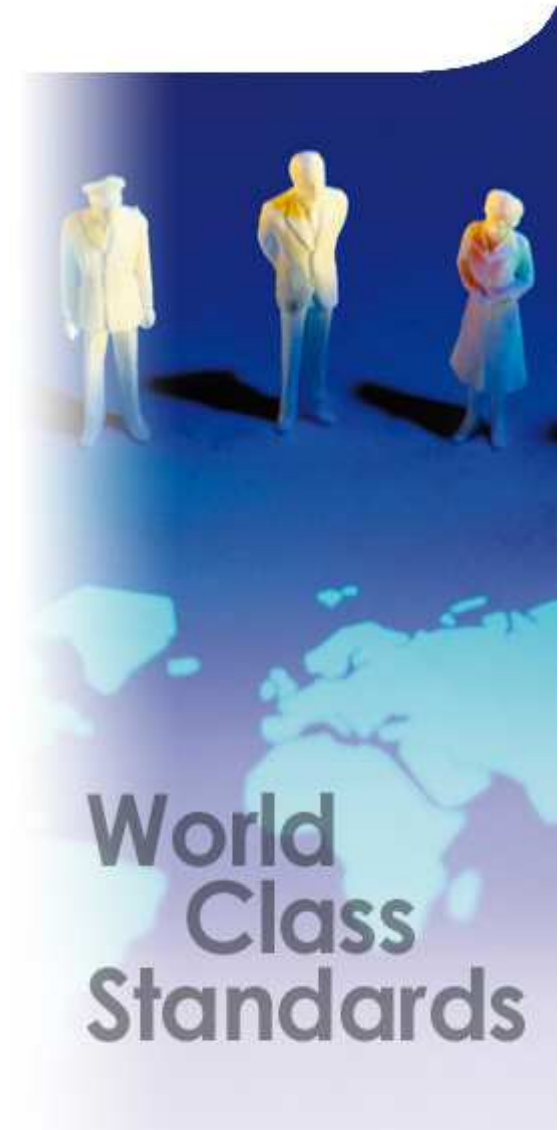
A powerful and dynamic mix of **skills, resources and ambitions**



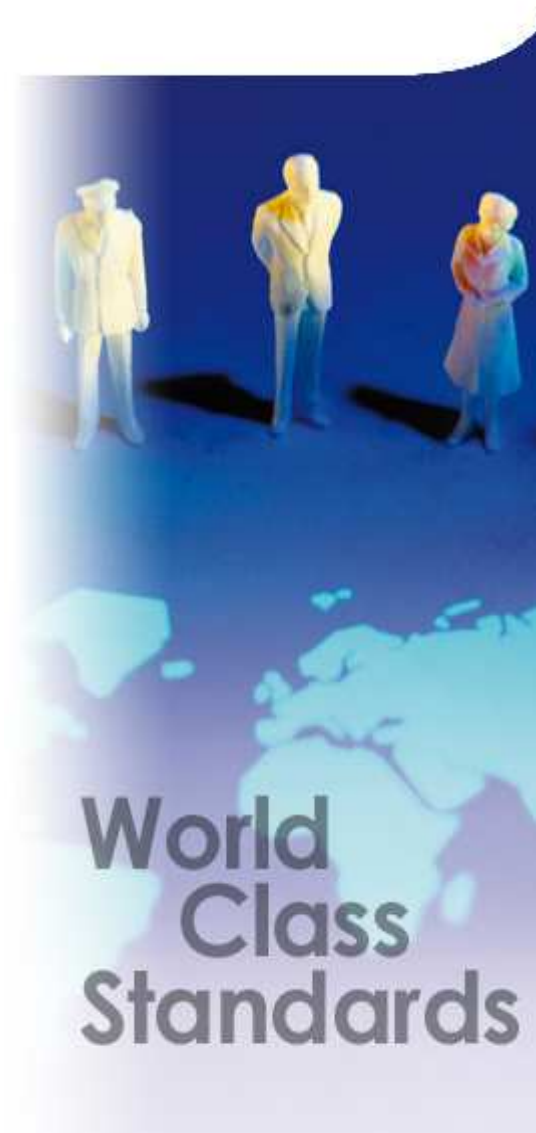
Independence



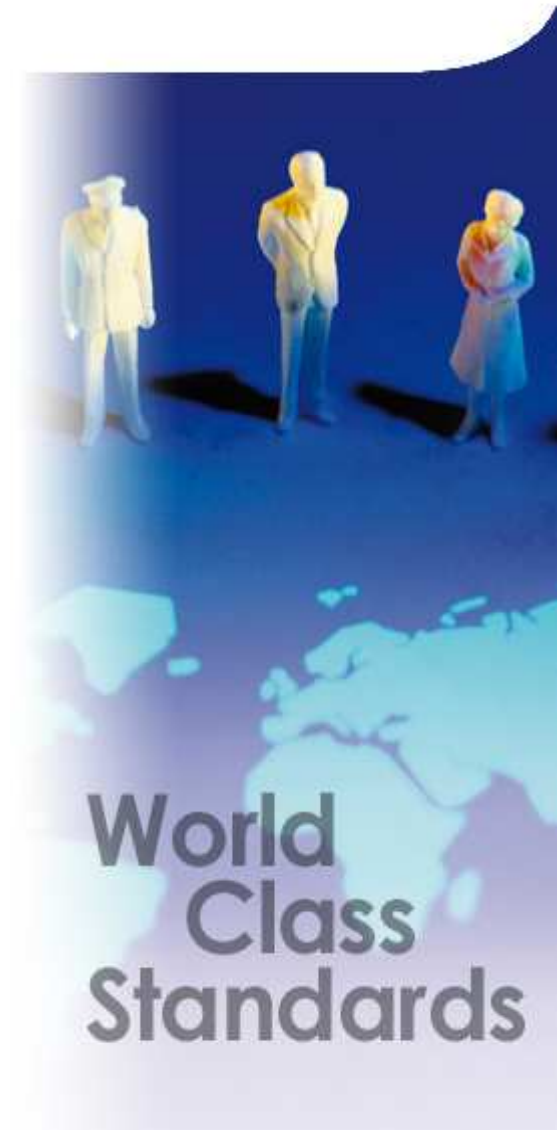
- **Independent** of all other organizations and structures
- Respected for **neutrality** and trustworthiness
- Esteemed for our world-leading **Intellectual Property Rights (IPR) Policy**



- Strategic collaboration with numerous global and regional standards-making organizations and industry groupings
- Formally recognized as a European Standards Organization, with a global perspective
- Contributing technical standards to support regulation
- Defining radio frequency requirements for the technologies we standardize

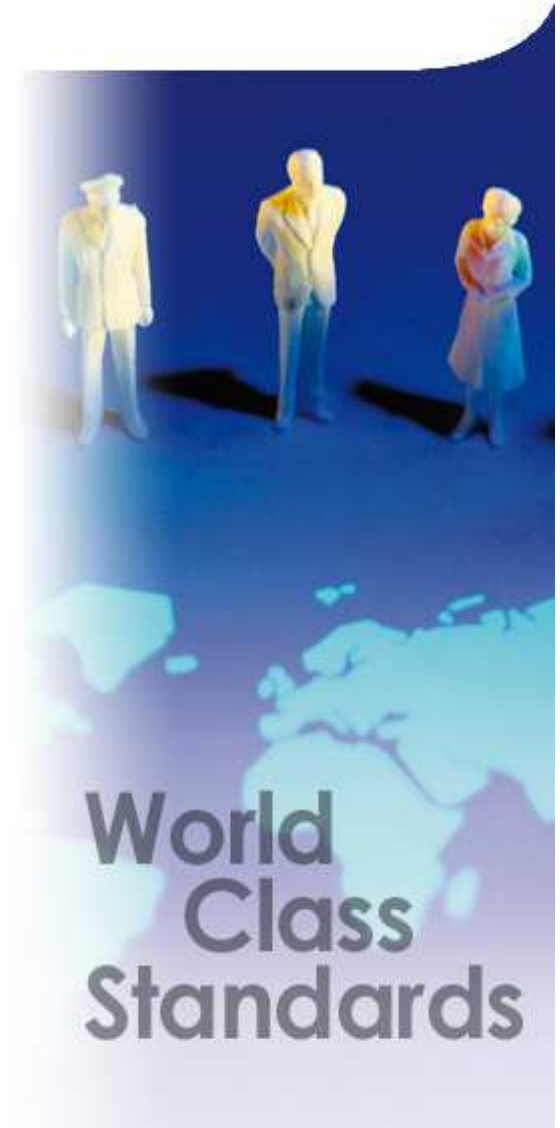


- Efficient and speedy standards-making
- Free download of all our standards
- Electronic working to boost efficiency and reduce cost and environmental impact
- Quality certified to ISO 9001:2008



- The importance of standards to industry and governments continues to grow
- Technological developments and convergence of technologies and businesses impose new demands on standards-making processes

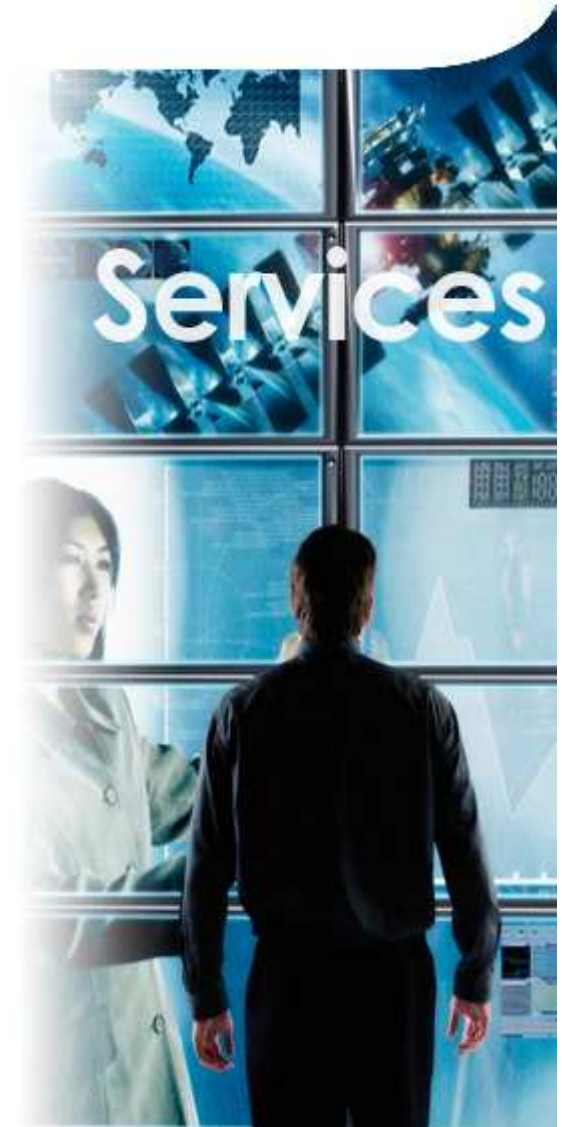
**ETSI is here to serve YOU
in these challenging times**





ETSI Services

- ETSI's core business is standards-making; our publications are used worldwide
- We have introduced additional services designed to give makers and users of standards the very best return on their investment



Different users, different needs

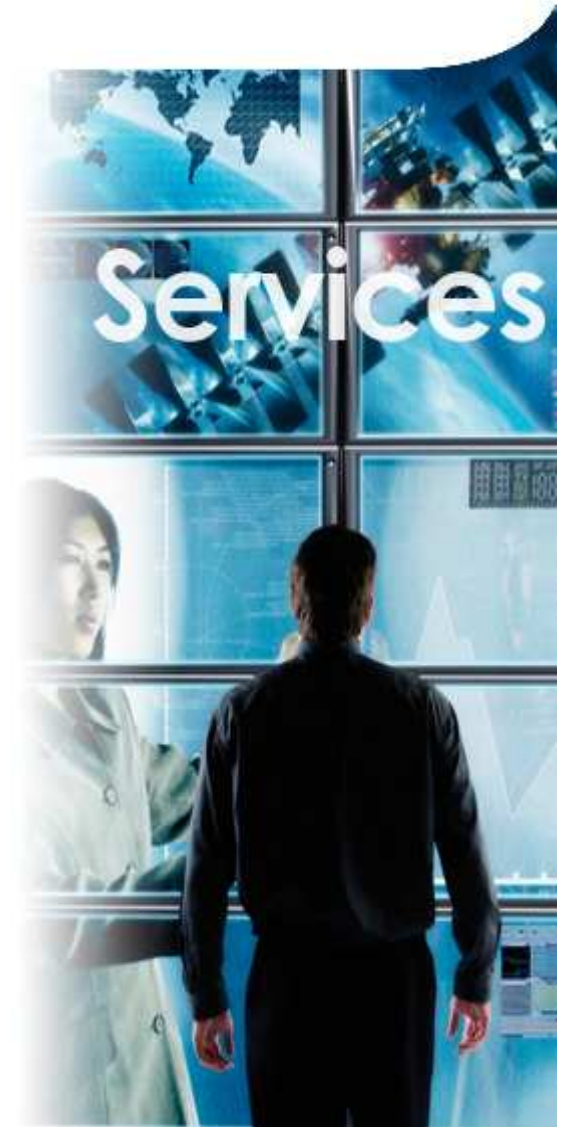


- Standards and reports designed to serve a wide spectrum of needs
- **Standards available to anyone free of charge**
- Methodologies, tools and services for the entire lifecycle of technical innovation

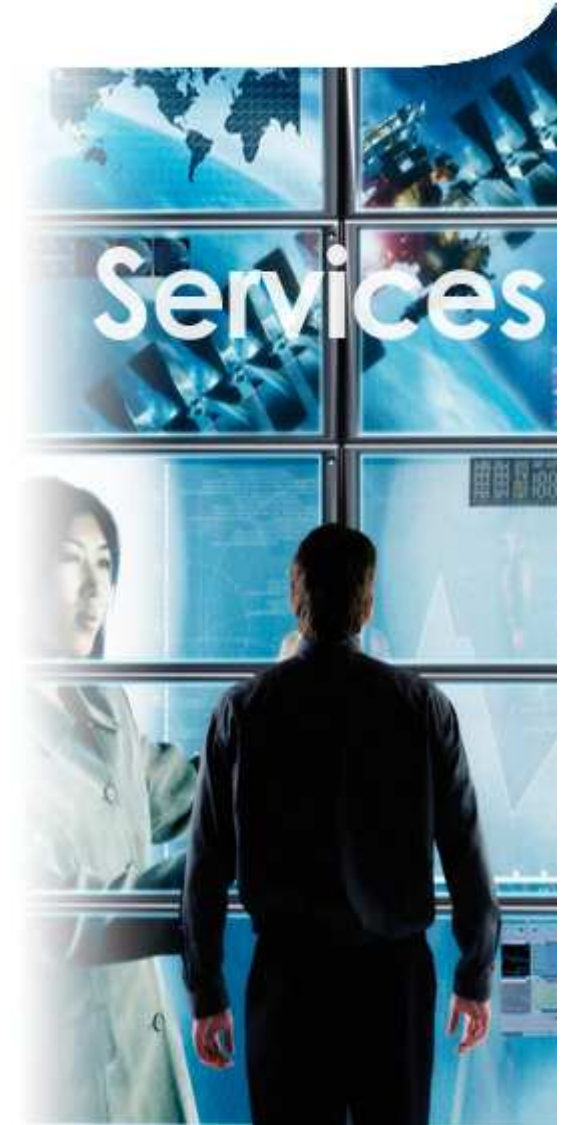


Centre for Testing & Interoperability

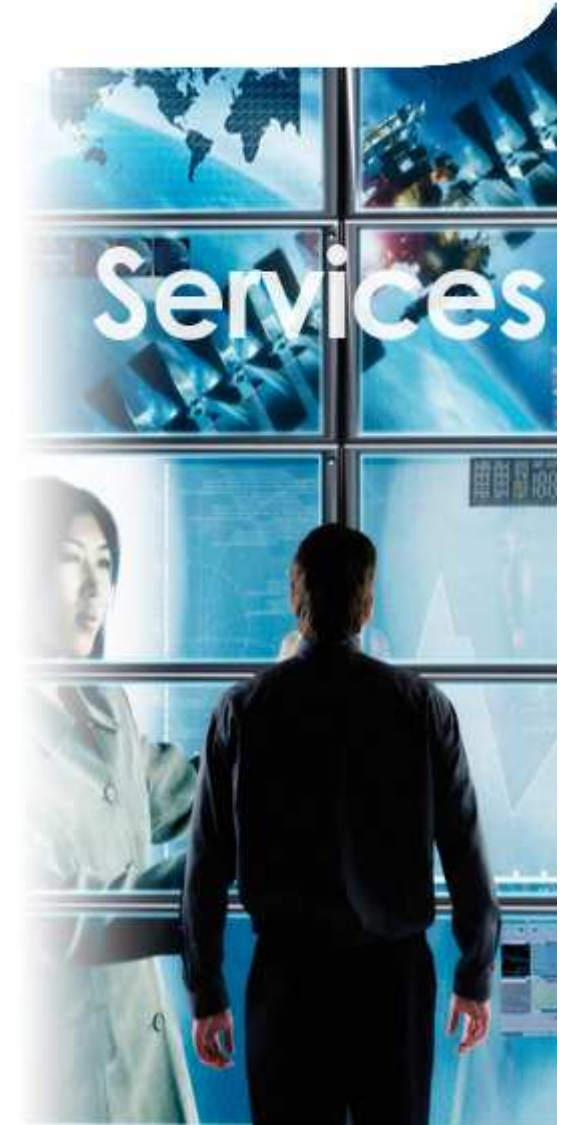
- Specification, validation and testing
- Development of test specifications
- Use of best practices, languages and techniques
- Organization of Interoperability events



- Production and custodianship of algorithms, codes and specialized software for telecommunication & broadcast systems



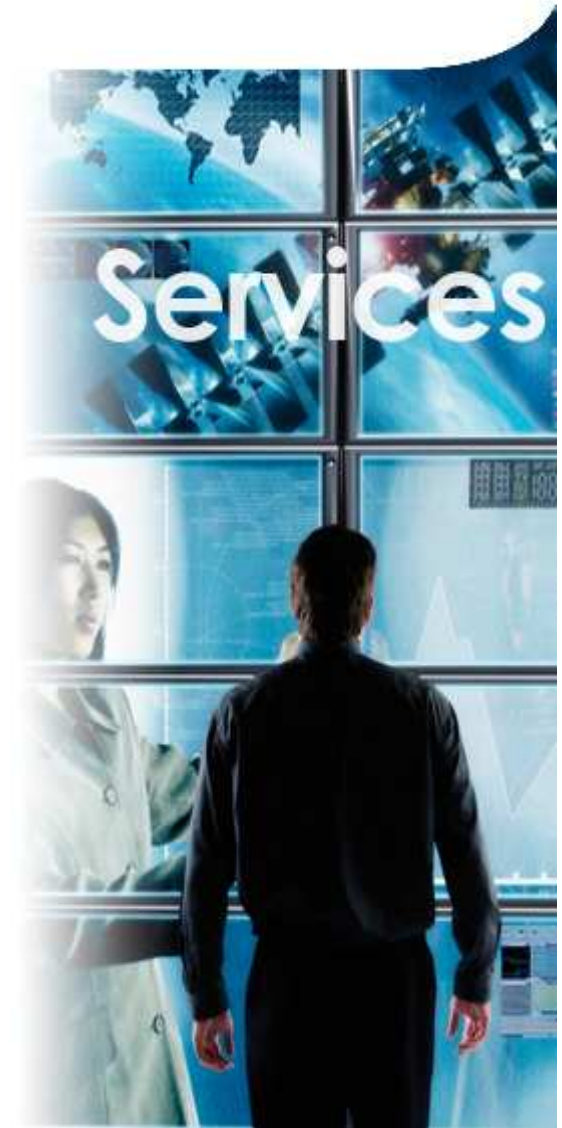
- Management and transparency of Intellectual Property Rights (IPR) information in accordance with our IPR policy



Documentation Service



- ETSI library of **over 23 000 standards and reports** distributed quarterly on DVD with on-line updates
- **Subscription included in ETSI membership** and available for separate purchase



Full services & expertise



Whether you wish to:

- **Assemble** decision makers in India ...
- **Test** products in China for interoperability ...
- **Organize** a workshop in ETSI's premises...

... ETSI has the services and expertise to make it happen





ETSI Membership

WHY join ETSI?



- Right to participate in all ETSI activities
- Preferential access to leading-edge ICT knowledge
- Opportunities to meet and influence your customers & competitors
- Direct insight into critical issues, including regulatory & spectrum matters, and the ability to influence them
- A fair & effective IPR policy to protect your intellectual property
- Access to ETSI's partners around the world



WHO joins ETSI?



Companies & organizations from all over the world:

- The **big players** in ICT
- **SMEs & microenterprises**, who find they can exist very happily within ETSI in the presence of the big names
- **Universities & research bodies** increasingly find themselves at home in ETSI



ETSI Membership



By joining ETSI you will become a partner in the development of world class ICT standards

Join ETSI now
and grow your market

www.etsi.org/membership



WHAT does it cost?



- The annual fee is determined by size, nature and financial performance of the member organization
- All of our members have equal rights of direct participation in our standards-making activities and other services

Our working methods are designed to minimize cost and maximize efficiency



Affordable for all



Reduced annual membership fees for:

- Microenterprises
- Small & Medium Enterprises (SMEs)
- Universities
- Public research bodies
- User associations

Starting at €2,000, it's a great deal for universities, research bodies, associations and small businesses



IF you don't join ETSI?



Be certain that others will!

... and they will have set the agenda
for evolving technologies,
leaving you to follow behind

**Stop guessing what the rules will be...
Start shaping them yourself!**



Can you afford not to join ETSI?



After all, more than 700 organisations of all shapes and sizes have done the sums and decided it's worth it

As an ETSI member you will find yourself in very good company!



Find yourself in good company



3xA Security AB
7 LAYERS AG
A.S.P.
A.S.T.R.I.D. S.A.
Aastra Deutschland GmbH
Accenture Services Pvt. Ltd.
ACCURIS Ltd
ACME PACKET
Actalis SpA
Actility SA
ADAE
adare GmbH
Adobe Systems
ADTRAN Europe Limited
AER
Aeroflex
AFUTT
Agency for Electronic Comm.
AGILENT TECHNOLOGIES LTD
Agoria ICT
AHG University
Airbiquity Incorporated
Airvana, Inc.
Airwave Solutions Limited
Airwide Solutions Inc.
AIT
AKG Acoustics GmbH
Albanian Mobile Communications
Alcatel-Lucent
Alcatel-Lucent Bell NV
Alcatel-Lucent Deutschland AG
Alcatel-Lucent Nederland B.V.
Alcatel-Lucent Telecom Ltd
Allot Communications Ltd.
ALVARION S.R.L.
AMB Consulting SARL
Amdocs Software Systems Ltd
Analysys Mason Limited
ANCOM
ANDREW AG
Andrew Corporation
Andrew Wireless Systems GmbH
ANEC
Anite Telecoms Ltd.
ANITEC
ANRITSU LTD
ANT Software Ltd.
Apple Inc
APWPT
AQSACOM S.A.
Araxxe SAS
Arche Finanz GmbH
AREA Spa
ARGELA
ARRIS
ASCOM (Suisse) SA
ASELSAN
ASRO
ASUSTeK Computer Inc.
asut
AT&T GNS Belgium SPRL
AT4 wireless S.A.
ATIS SYSTEMS GmbH
ATMEL FR SARL
Attorney-General's Department
Autoliv Electronics AB
Autotalks

AVANTA Global SPRL
Aviat Networks
AVM Berlin
Azimuth Systems Incorporated
BABT
BAE SYSTEMS
BAPCO Ltd
BBC
BELGACOM
BELGIAN FEDERAL POLICE
Bell Mobility
beyerdynamic GmbH & Co. KG
BFV
BH Telecom
BIOTRONIK SE & Co. KG
BIPT
BIS
Blekinge Tekniska Högskola
Bluetest AB
Bluetooth SIG inc.
BMW
BOEING INTERNATIONAL CORP.
BOLT Consult
Bolt & Yurdal Consulting
Boston Scientific Corp.
BOUYGUES Telecom
Bridgewater Systems
BridgeWave Communications Inc.
BroadBit Slovakia
BROADCOM CORPORATION
BT Group Plc
BTT
Bureau Veritas ADT
Cable Europe
CableLabs
Cadzow Communications
CAMBRIDGE CONSULTANTS LTD
Castle Consulting Ltd
CATCert
CATR
CCS
CCSR
CEA
Celltick Technologies Inc.
CEN
CENELEC
CEPT
CERAGON NETWORKS LTD
CESG
CETECOM GmbH
CEWIT
CGC Inc.
Checkpoint Systems GmbH
Chi Mei Communication
China Telecommunications
CHTTL
Cinderella ApS
Cinterion Wireless Modules
Cisco Systems Belgium
Cisco Systems France
CJSC Peter-Service
CLEARTONE Telecoms Ltd
Climate Associates Limited
CMC
CML Microcircuits
CNES
CNIT
CNRFID

Cochelar Technology Centre
Coiler Corporation
Collis Great Britain Limited
Compron GmbH
Com-Research GmbH
Comtrend Corporation
Comverse Network Systems
Cohda Wireless Pty Ltd
conexx
Conformiq Software Ltd.
Continental Automotive GmbH
Continuous Computing Corp.
Converlogic SAS
Copenhagen Fire Brigade
Coronis SAS
Cosmo Bulgaria Mobile Ltd
Cosmote Romanian Mobile Com.
COSMOTE S.A.
CPqD
CRC
CREATE-NET
Cryptolog International
CSEM
CSI (UK) Ltd
CSR
CTE International
CTTC
Daimler AG
Danish Standards
DARS TELECOM S.L.
Datang Mobile Communications Equip.
DBSD Services Ltd.
Delphi Delco GmbH
DENSO AUTOMOTIVE
Department of Communications, Ireland
Department of Communications, Latvia
Deutsche Bahn AG
Deutsche Telekom AG
Deutscher Amateur Radio Club
DFS Deutsche Flugsicherung
Digital TV Group
DigiTask GmbH
DLR
DOCOMO Communications Lab.
Dolby Laboratories Inc.
DSNA-DTI
CEWIT
DSRT
DURATEL S.P.A.
Dynastat Inc
EADS ASTRIUM SAS
EADS Defence Systems
E-Blink S.A.
EBU
ECBF
Echostar Europe
Ecma International
ECO
Efonk AG
EFTA Secretariat
EIRCOM
EIT+

Elektrobit Corporation
EMMA
Emerson network Power Energy S.
Endress + Hauser GmbH & Co. KG
Enraf BV
Entreprise des P. et T.
EOTC
EPCOS AG
ESA
ESF GmbH
ESNA
Estonian Techn. Surveillance
Etherstack Ltd
ETI Connect A/S
ETISALAT
ETRI
ETS-Lindgren Europe
EUROCONTROL
European Commission
European GPR Association
European Patent Organisation
Eurotel S.P.A.
eWitness S.A.
Facultad de Informatica
CSR
Fastweb S.p.A.
FBConsulting S.A.R.L.
FED. MINISTRY FOR TRANSPORT
FEEL
FEIG ELECTRONIC GmbH
FICORA
FOKUS
France Telecom
Fraport AG
Fraunhofer Gesellschaft
Fraunhofer-ESK
Fraunhofer SIT
FREEBOX S.A.S.
Freescale Semiconductor SA
Friedrich-Alex-Universität
FSCOM
FUJITSU Laboratories of Europe
FYLDE MICROSYSTEMS LTD
Gemalto N.V.
GE Transportation Systems SpA
Geysler S & P Ltd
GIESECKE & DEVRIENT GmbH
Gigaset Communications GmbH
GLOBALSTAR Inc.
GNCC
GosNIAS
GR-Consulting GmbH
Great Circle Design
Greenliant Systems Ltd
GRNET
Group 2000
GS1
HAGER GROUP
Halmstad University
Hanyang University
Hay Systems Ltd
HCL Technologies Limited
Head acoustics GmbH
Hewlett-Packard
Hillebrand & Partners
HISPASAT SA
Hitachi Europe Ltd.
Hoermann Funkwerk Kölleda GmbH
HOME OFFICE United Kingdom

Horizon Hobby UK, Ltd.
HTC Corporation
HTW Dresden
HTW Saarland
Huawei Technologies (UK)
HUAWAI TECHNOLOGIES Co. Ltd.
Huawei Technologies Sweden AB
Huber + Suhner AG
HUGHES Network Systems Ltd
Hydeco
Hydrometer Electronic GmbH
Hytera Communications Corp. Ltd
IAESI
IBBT vzw
iBiquity Digital Corporation
IBM EUROPE
Ibys Technologies, S.A.
Icera
ICOM (C.E.P.) FRANCE
ICP-ANACOM
ICTA
id Quantique
IICS
IITB
Ikanos Communications Europe
Illuminismo Limited
ILNAS
IMEC
INCARD SA
INFINEON TECHNOLOGIES I
nfoCert s.p.a.
Inmarsat
Inno TSD
INNOVARY SpA
Innovation Research
INRIA
INRIM
INSIDE Contactless SA
Insiteo
Institut EURECOM
Institut für Informatik , Germany
Institut Telecom , France
Institute for Infocomm Researc h
Institute for Information, Taiwan
Institute for Standardization, Bosnia & H.
Intel Corporation (UK) Ltd
INTERDIGITAL COMMUNICATIONS
Intermec Technologies GmbH
International Amateur Radio
ip.access Ltd.
IPS / RESI GROUP
IPWireless Inc.
Iridium Italia s.r.l.
IRT
ISAD e.V
Iskratel Ltd.
ISMB
ISO/IEC JTC 1 Secretariat
ISPRAS
Ista International GmbH
ITALTEL SpA
IT'IS Foundation
ITRC
ITRI
ITS
ITT RAEN
Izenpe S.A.
JCP-Consult SAS

Jet Stream BV
Jinny Software Ltd
JIPDEC
JOTRON a.s.
JSCConsulting
jTest
Juniper Networks
Kapsch CarrierCom France S.A.S
Kapsch TrafficCom AB
KATHREIN-Werke KG
KENWOOD Electronics Europe BV
KEYMILE International GmbH
Keynote SIGOS GmbH
KoKom
KPK
KPN N.V.
KREDITILSYNET
KROHNE Messtechnik GmbH
KT Corporation
Lantiq Beteiligungsgesellschaft
LCA
LEA
Lecit Consulting s.r.l.
LFV Aviation Consulting AB
LG Electronics Mobilecomm
LightSquared
LITHUANIAN STANDARDS BOARD
IMEC
INCARD SA
INFINEON TECHNOLOGIES I
nfoCert s.p.a.
Inmarsat
Inno TSD
INNOVARY SpA
Innovation Research
INRIA
INRIM
INSIDE Contactless SA
Insiteo
Institut EURECOM
Institut für Informatik , Germany
Institut Telecom , France
Institute for Infocomm Researc h
Institute for Information, Taiwan
Institute for Standardization, Bosnia & H.
Intel Corporation (UK) Ltd
INTERDIGITAL COMMUNICATIONS
Intermec Technologies GmbH
International Amateur Radio
ip.access Ltd.
IPS / RESI GROUP
IPWireless Inc.
Iridium Italia s.r.l.
IRT
ISAD e.V
Iskratel Ltd.
ISMB
ISO/IEC JTC 1 Secretariat
ISPRAS
Ista International GmbH
ITALTEL SpA
IT'IS Foundation
ITRC
ITRI
ITS
ITT RAEN
Izenpe S.A.
JCP-Consult SAS

Find yourself in good company



MOBILTEL AD
 MOBILTEL d.d.
 MOTOROLA A/S
 MOTOROLA GmbH
 MOTOROLA Ltd
 Motorola Mobility France S.A.S
 Motorola Mobility Germany GmbH
 Motorola Mobility UK Ltd
 Movation AS
 MSB
 MStar Semiconductor, Inc.
 MTN
 Munich Airport
 MURATA Europe Management
 Myrcomm
 N.A.C.P.P.P.S.
 National Technical Assistance, UK
 NATS
 NC3A
 NMHH
 ND SatCom GmbH
 NDS Limited
 Near Field Solutions Limited
 NEC Corporation
 NEC EUROPE LTD
 NEC Technologies (UK) LTD
 NEC Telecom MODUS Ltd.
 NEDAP
 Neolink Comm. Technology Co Ltd
 Nera Networks AS
 NET INSIGHT AB
 Netscout Systems Inc.
 NeuStar Inc.
 Nexios TN nv/sa
 NICT
 NIIR
 Ninsight
 NITA
 Nokia Corporation
 Nokia Siemens Networks
 Nokia Siemens Networks Oy
 Nokia UK Ltd
 Nomor Research GmbH
 NORMAPME
 Norwegian National Rail Admin
 Norwegian P & T Authority
 NPJA
 NTRA
 NTT corporation
 NXP Semiconductors
 OBB-IKT GmbH
 OBERTHUR TECHNOLOGIES
 OFCOM (CH)
 OFCOM (U.K.)
 OIC
 Omnitron AB
 OnAir N.V.
 one2many B.V.
 Openet Telecom
 Optimi
 Option N.V.
 Oracle Corporation
 ORANGE SA
 OSS Nokalva, Inc.
 OTE SA
 OU Elvior
 P3 Communications GmbH

PA Consulting Services Ltd
 Panasonic (PMCDE)
 Panasonic R&D Center Germany
 Pandion Limited
 PARK AIR SYSTEMS LIMITED
 Philips International B.V.
 Phonak Communications AG
 PicoChip Limited
 PIDS
 Pine Digital Security
 Pirelli Tyre SpA
 PIWorks
 PLEXTEK Limited
 PNO
 Polaris Networks Inc.
 Polska Telefonía Cyfrowa
 PORTUGAL TELECOM
 SGPS SA
 Post- and Telecom Admin., Iceland
 Powerwave Technologies
 PQM Consultants
 Prime Minister's Office (PMO), Israel
 Public Safety Canada
 Qatar Telecom (QTEL)
 Qatar University QSTP-B
 Q-Free ASA
 QINETIQ
 QOSMOS
 QUALCOMM EUROPE S.A.R.L.
 QUALCOMM UK Ltd
 Qualigon GmbH
 QUANTE AG
 QUNDIS GmbH
 RADIO FREQUENCY SYSTEMS GmbH
 RadiSys
 RATEL
 RealNetworks
 Redknee Inc.
 Renault SAS
 Renesas Technology Europe
 Research in Motion UK Limited
 Réseau Ferré de France
 RFI Global Services Ltd
 RFI SpA
 Rheinmetall Defence Elec. GmbH
 Rincon Research Corporation
 RITT
 ROBERT BOSCH GmbH
 ROHDE & SCHWARZ
 ROHILL Technologies B.V.
 Rosemount Tank
 Radar
 RTX TELECOM A/S
 Rundfunk & Telekom
 Ruoss AG
 SABS
 SAFT SA
 Sagemcom SAS
 Sagem Orga GmbH
 Sagem Wireless
 SAMSUNG Electronics
 SANDISK CORPORATION
 Sandvine Incorporated
 Sasken Communication Tech. Ltd.
 Satel Oy
 SATIMO Industries
 Schautec

Schneider Electric Industries
 Screen Service Broadcasting, Italy
 SecureNOK
 SECURITE COMMUNICATIONS
 Selex Communications S.p.A
 Semtech Neuchatel SA
 Sennheiser Electronic GmbH
 SENSORMATIC
 Sepura LTD
 Sequans Communications
 SERASYS LIMITED
 Servei de telecom. d'Andorra
 SES ASTRA S.A.
 setcom wireless products GmbH
 SGDSN
 SGS United Kingdom
 SHARP Electronics (Europe)GmbH
 SHURE Europe GmbH
 SIAE Microelettronica SpA
 Siemens AG
 Siemens Enterprise Comms.
 Silicon Laboratories
 Silver Spring Networks
 Sintesis, Foundation
 SIST
 SISVEL SPA
 SiTel Semiconductor BV
 SK Telecomj
 Sky Interactive
 SKYLOGIC SPA
 Slovak Telekom, a.s.
 SNCF
 SOMFY INTERNATIONAL
 SONOFON A/S
 Sonus Networks Limited
 Sony Europe Limited
 SORIN CRM
 SAS
 SP Technical Research
 SpectrumConsult
 Spectronic Systems A/S
 Spidcom Technologies SA
 Spirent Communications
 Sporton International Inc
 Sprava zeleznicni dopravni
 SPRINT
 SS8 Networks
 SSI Pacific Pty Limited
 SNSNS
 ST Incard S.r.l.
 St. Jude Medical AB
 ST-Ericsson SA
 STMicroelectronics
 Stoke Inc.
 Strategy & Technology Ltd

Suntech S.A.
 SWISSCOM
 Swissqual AG
 SYMMETRICOM GmbH
 TAIT Mobile Radio LTD
 Tampere University
 TATARA SYSTEMS INC.
 TDF
 Techem Energy Services GmbH
 TEKTRONIX GmbH & Co KG
 Telcordia Technologies
 Telekom Austria AG
 TELECOM ITALIA S.p.A.
 Telecom Technologies Ltd
 Telecom. Research Centre (FTW), Austria
 TeleCommunication Systems, US
 Telecommunications Regulatory, Jordan
 Telefon AB LM Ericsson
 Telefónica Europe plc
 Telefónica O2 Czech Republic
 TELEFONICA S.A.
 TELENOR ASA
 Telerad
 TeleTrusT Deutschland e. V.
 Television Research Institute
 TeliaSonera AB
 Telit Communications S.p.A.
 TELKOM SA LIMITED
 TELLABS OY
 TELSIS SYSTEMS LTD
 Telstra Corporation
 TELTRONIC S.A. Unipersonal
 TERACOM AB
 Terma A/s
 TerreStar Networks Inc.
 Testing Technologies
 Texas Instruments, France
 THALES
 Thomson
 THRANE & THRANE A/S
 T-HT
 THURAYA SATELLITE TELECOM. CIE
 Time Domain Corporation
 T-Mobile Austria GmbH
 T-Mobile Deutschland
 TNO
 Tokyo Institute of Technology
 Top Optimized Technologies S.L
 TOSHIBA RESEARCH EUROPE LTD
 TPS
 trovicor GmbH
 TruePosition Inc.
 Tubitak Uekae
 TURK TELEKOM
 TURKCELL
 Ubidyne GmbH
 Ubisense Ltd
 UCRF
 UDcast
 UK Broadband Ltd
 UK CAA

UKE
 UMH de Elche
 UNESA
 Uninfo
 Union Inter. Chemins de Fer
 TDC TELE DANMARK A/S
 TDF
 Techem Energy Services GmbH
 TEKTRONIX GmbH & Co KG
 Telcordia Technologies
 TELECOM ITALIA S.p.A.
 Telecom Modus Ltd.
 Telecom Technologies Ltd
 Telecom. Research Centre (FTW), Austria
 TeleCommunication Systems, US
 Telecommunications Regulatory, Jordan
 Telefon AB LM Ericsson
 Telefónica Europe plc
 Telefónica O2 Czech Republic
 TELEFONICA S.A.
 Telekom Austria TA AG
 TELENOR ASA
 Telerad
 TeleTrusT Deutschland e. V.
 Television Research Institute
 TeliaSonera AB
 Telit Communications S.p.A.
 TELKOM SA LIMITED
 TELLABS OY
 TELSIS SYSTEMS LTD
 Telstra Corporation
 TELTRONIC S.A. Unipersonal
 TERACOM AB
 TerreStar Networks Inc.
 TES Electronic Solutions SA
 Testing Technologies
 Texas Instruments, France
 THALES
 Thomson
 THRANE & THRANE A/S
 T-HT
 THURAYA SATELLITE TELECOM. CIE
 Tieto Sweden AB
 Tilgin IPRG AB e. V.
 Time Domain Corporation
 T-Mobile Austria GmbH
 T-Mobile Deutschland
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 Top Optimized Technologies S.L
 TOSHIBA RESEARCH EUROPE LTD
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 TURK TELEKOM
 TURKCELL
 Ubidyne GmbH
 Ubisense Ltd
 UCRF
 UDcast
 UK Broadband Ltd
 UK CAA
 UKE
 UMH de Elche
 UNESA
 UNICON.UZ

Uninfo
 Union Inter. Chemins de Fer
 Unique Broadband Systems Ltd
 Universidad Autonoma de Madrid
 Universidad de Cantabria
 Universität Duisburg-Essen
 University of Athens
 University of Bradford
 University of Waterloo
 University of Zilina
 UPC Broadband Holding Services
 UPRC
 URTRI
 US Cellular Corporation
 UTE
 UTIMACO SAFEWARE AG
 VAISALA OYJ
 Valeo Radar Systems Inc.
 VEGA Grieshaber KG
 VELUX A/S
 Verizon Wireless
 Vertex Standard
 VIPnet d.o.o.
 Vodafone D2 GmbH
 Vodafone España SA
 VodafoneGroup Plc
 Vodafone Ireland Plc
 Vodafone Libertel
 Vodafone LTD
 Vodafone Omnitel N.V
 Vodafone Panafon
 Vodafone Romania S.A.
 Vodafone Teknoloji Hizmetleri
 VoiceAge Corporation
 Volkswagen AG
 Vonniman Consulting
 vts Police Netherlands
 VTT w2bi Inc.
 W.M. Services
 WATCHDATA System Co Ltd
 Waterford Institute (WIT)
 WATTECO
 Watelet Telecoms
 WAVECOM
 WhP International SAS
 WiChorus Inc.
 Wi-Fi Alliance
 WIND TELECOMUNICAZIONI
 SPA Wireless Partners S.L.
 WSS B.V.
 Yaana Technologies LLC
 Zap Corp Ltd
 Zarlink Semiconductor Ltd
 ZES BVBA
 ZNIIS
 Zollkriminalamt (ZKA)
 ZTE Corporation
 ZVEI

Find yourself in good company



Whether your company is large or small, and wherever it's based, there's a place waiting for **you...**

... in ETSI!

