Welcome
to the World
of Standards

ETSI

World Class Standards

PERSPECTIVES FOR STANDARDISATION

Presented by Michael Sharpe

European Commission Workshop on Receiver Performance of Mobile Telephones

10 April 2014

- **Unique meeting place for industry and government agencies**
  - "One table" approach, finding solutions by consensus
  - Reactive to needs of ICT industry
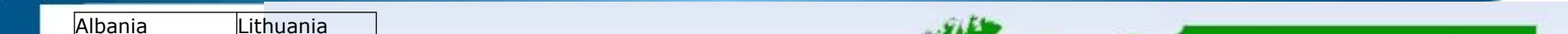- **Integral part of the regulatory system**
  - Recognised European Standarisation Organisation
  - Integrated into CEPT & EU policy process:
  - Formal links with UN agencies
  - Independent and industry-driven
- **Working with partners around the globe**
  - ETSI standards applied world wide
  - 777* Members, 63 countries, 5 continents, with direct participation
- **We have over 30 000 publications* – available free of charge**

ETSI in Europe

Albania	Lithuania
Andorra	Luxembourg
Austria	The Former Yugoslav Republic of Macedonia (FYROM)
Azerbaijan	Malta
Belarus	Moldova
Belgium	Monaco
Bosnia and Herzegovina	Montenegro
Bulgaria	Netherlands
Croatia	Norway
Cyprus	Poland
Czech Republic	Portugal
Denmark	Romania
Estonia	Russian Federation
Finland	San Marino
France	Serbia
Georgia	Slovak Republic
Germany	Slovenia
Greece	Spain
Hungary	Sweden
Iceland	Switzerland
Ireland	Turkey
Italy	Ukraine
Latvia	United Kingdom
Liechtenstein	Vatican City

ETSI partners

International SDOs/Organisations

ITU **IEC** **ISO**

e.g. UPU, ICAO, IEEE, UNECE…

Interregional Co-operation

GSC *Global Standards Collaboration*

FORA & CONSORTIA

- BBF
- CAB Forum
- CONTINUA Alliance
- DECT Forum
- DLMS
- DMR Association
- DVB
- ESMIG
- Global Platform
- HGI
- IMS Forum
- IMTC
- IPV6 Forum
- MSF
- NFC Forum
- NGMN
- OGF
- OIPF
- OMA
- TTCA
- UMTS Forum
- Etc…

Regional Partners

APT **isacc cccnt**

ETSI

European Partners

cen **CEPT** **CENELEC**

Global Standards Collaboration (GTSC, GRSC)

Interregional collaboration on selected standardization subjects between

ETSI

CCSA (China)

ARIB (Japan)

TTC Telecommunication Technology Committee (Japan)

isacc cccnt (Canada)

TIA (USA)

atis (USA)

ITU (International)

TTA (Korea)

European regulations on radio equipment and spectrum

EC
European Commission

Policy positions
Legal certainty
Political support

ECC Electronic Communications Committee

Harmonizing National Frequency Allocations
Harmonizing NRA activities
Coordinating International Negotiations

THE REGULATORY ENVIRONMENT
How does it work?

Harmonized Standards and other standards & specifications to support EU legislation & market development

ETSI European Telecommunications Standards Institute

What does a manufacturer need to do? (R&TTE -> Radio Equipment Directive)
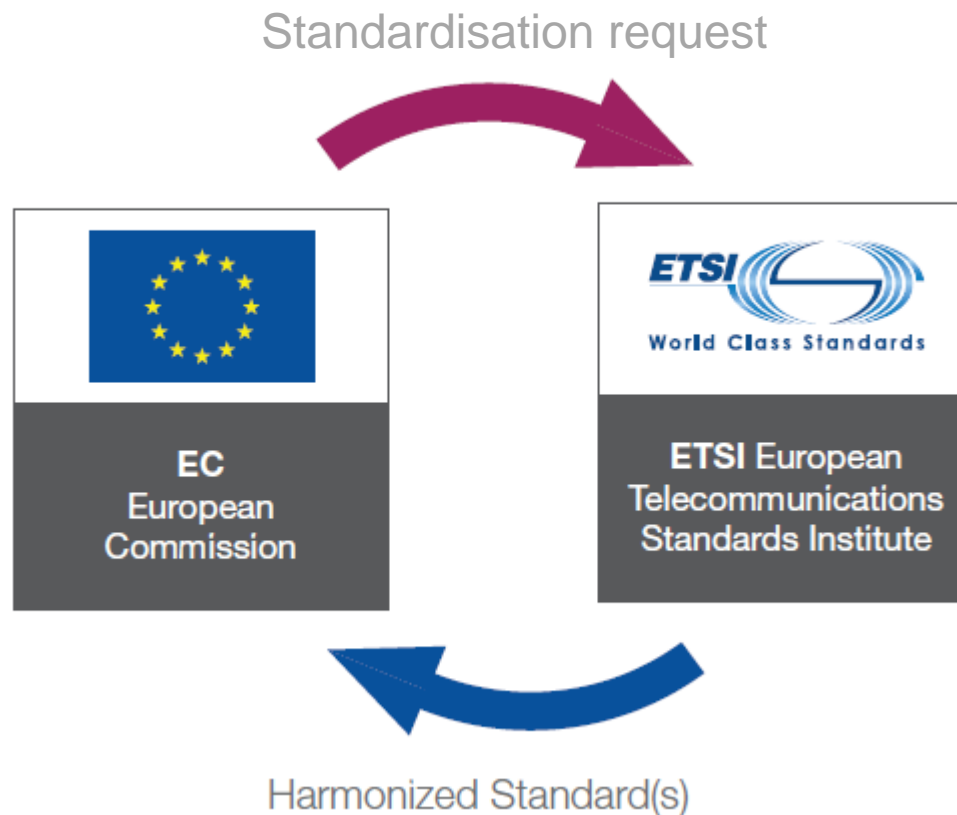
- Meet "essential requirements"
  - Health & safety
  - Electromagnetic compatibility
  - Effective and efficient use of the radio spectrum in order to avoid harmful interference
  - Possibly others, if invoked by the Commission
- Meet National requirements on radio spectrum use
  - Ensure that the equipment can be used in at least one Member State
  - Inform the user of any National restrictions
- Administrative requirements
  - Declaration of Conformity
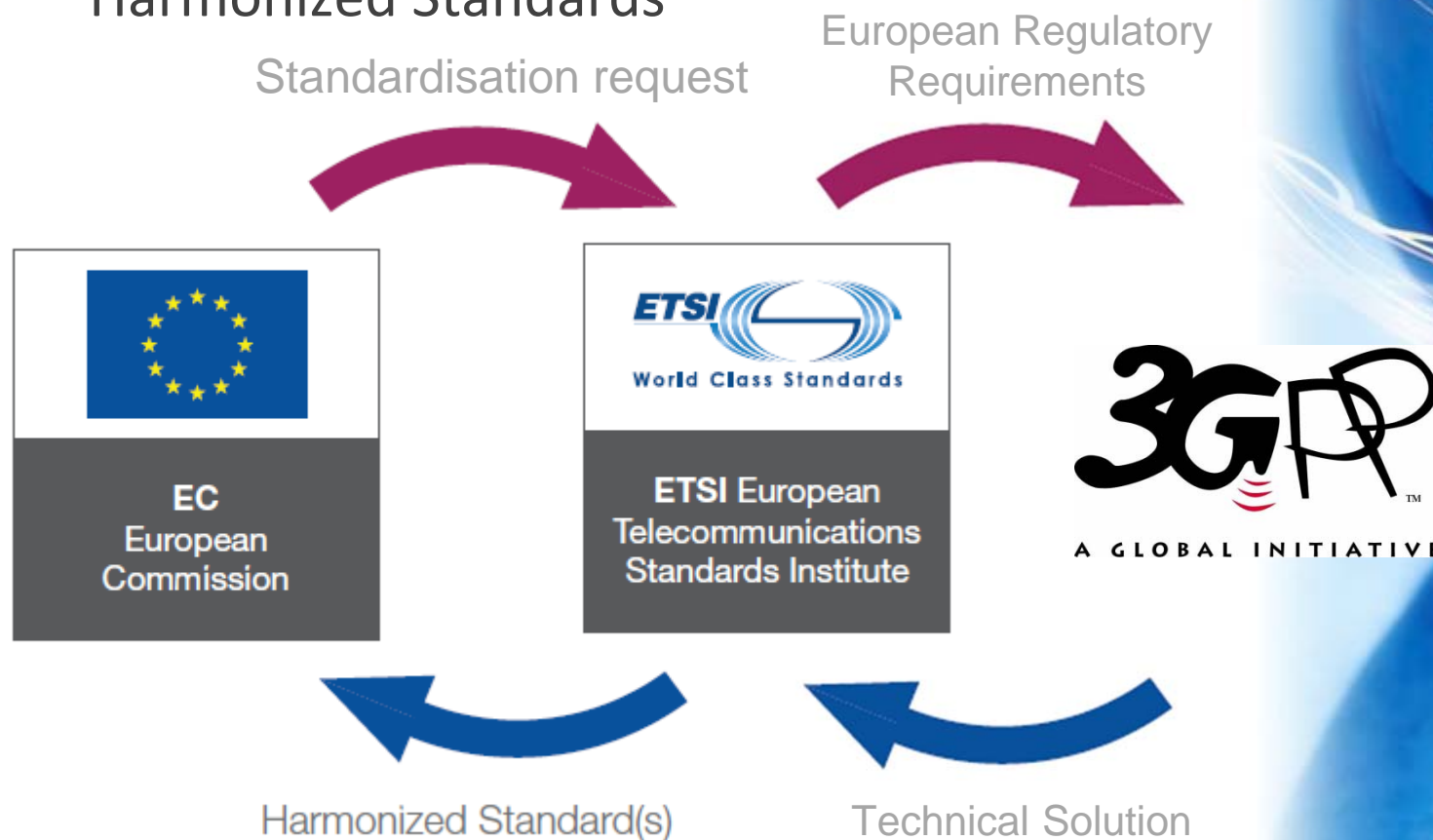 - CE mark...

How can ETSI help?

A manufacturer can show that he meets essential requirements by applying ETSI Harmonized Standards

Standardisation request

Harmonized Standard(s)

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Standardisation request

European Regulatory Requirements

Harmonized Standard(s)

Technical Solution

Harmonised Standards

" Radio equipment which is in conformity with harmonised standards or parts thereof the references of which have been published in the *Official Journal of the European Union* shall be presumed to be in conformity with the essential requirements **set out in Article 3** covered by those standards or parts thereof"
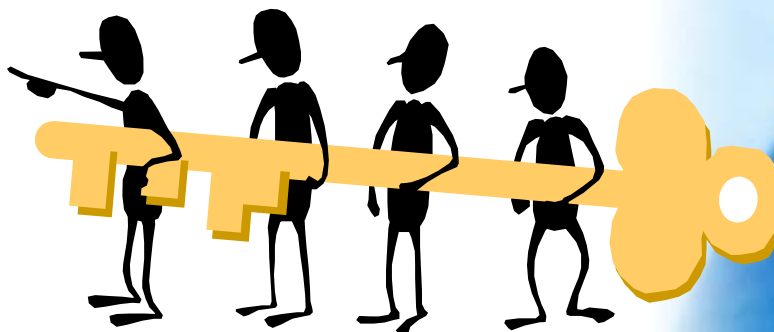
[RED: Article 16]

Harmonised Standards

- European Standards (EN)
- Produced upon formal request from the European Commission (Regulation 1025/2012)
- Implement essential requirements
- Adopted by National Standards Organisations
- Cited in the Official Journal of the European Union
- Member states required to presume conformity

But...??!!

- Compliant equipment can be sold in all EU/EFTA, but...

- Individual Member States can restrict it being put into service!
  - For reasons relating to the effective and efficient use of the radio spectrum
  - For avoidance of harmful interference
  - For avoidance of electromagnetic disturbance
  - For matters relating to public health

- The manufacturer is required to provide information of such restrictions on the packaging

A mandatory receiver performance requirement for mobile telephones?

ETSI

- If such a need were identified, the following options are available:
  - Formal "standardization request" (mandate) under Regulation 1025/2012 to develop/update Harmonised Standards
    - To be approved by the Committee on Standards
  - Informal letter (cf "Digital Dividend")
- Any such work would be carried out within an ETSI Technical Committee
- MSG is responsible for:
  - European Regulatory requirements on Cellular systems to be developed by 3GPP
  - Harmonised Standards … for GSM, IMT systems and technologies evolving therefrom

Who should take part?

- Mobile Network Operators
- Mobile Equipment Manufacturers
- National Administrations
- User Representative organisations
- The European Commission

> **All of the above are directly represented in ETSI**

> **A standard is only as good as those who participate in its development**

> **The best way to influence standards, is to make them**

Direct membership of organisations

ETSI is its members!

Over 700 companies, big and small, from more than 60 countries on 5 continents! 27% SMEs!

- Manufacturers
- Network operators
- National Administrations
- Ministries
- Service/content providers
- Research bodies
- Universities
- User groups
- Consultancies

The members are in the driving seat !

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Thank you!