

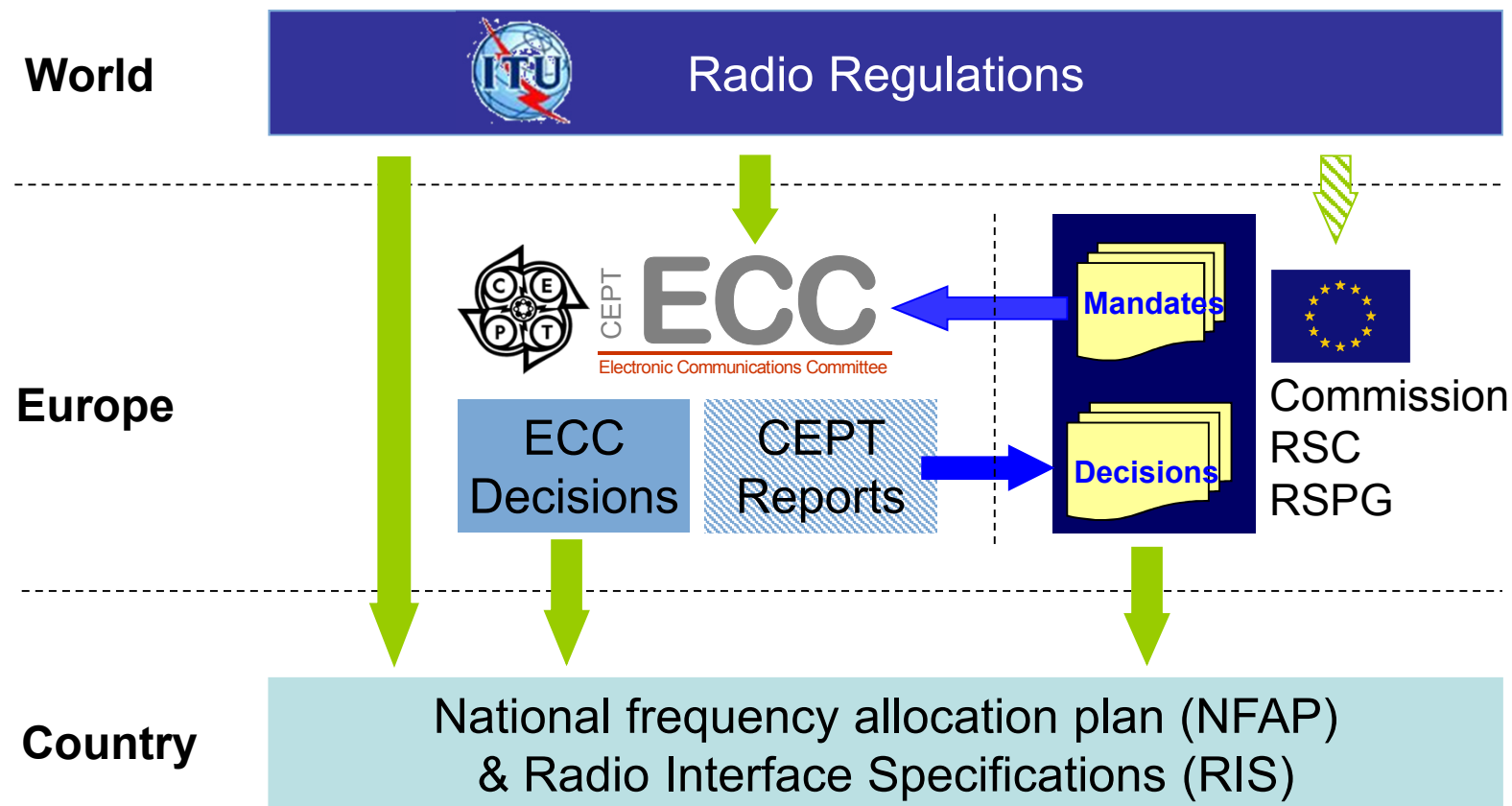


ITU-D Regional Seminar on Spectrum
Management and Broadcasting for
Europe and CIS

Radiocommunication Regulation in Europe ETSI's Pivotal Function

30 May 2017

Shouldn't Spectrum Be Managed in The Following Way?



Pivotal Function of ETSI's Deliverables

- Regulation (EU) No 1025/2012 on European standardisation
- **HARMONISED STANDARD (HS)** or European standard (EN)
 - Standards adopted by European standardization organisations (**ESO**) following a mandate by the European Commission
- There are three ESO:
 - European Committee for Standardisation (CEN)
 - European Committee for Electrotechnical Standardisation (CENELEC)
 - **European Telecommunications Standards Institute (ETSI)**
- For an up to date list of HS for radio equipment:
 - https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/rtte_en

Liberalisation and Deregulation

Increased Responsibility of Economic Operators

Radio

equipment

... that can be **placed
on the market**

**“RE” Directive
2014/53/EU**

- Conformity to **HARMON. STANDARDS** facultative

... that can be **used**

**„Authorisation“
Directive
2002/20/EC
Decision
676/2002/EC**

- Conformity to **Radio Interface Spec.** mandatory
- Reference to **HARMONISED STANDARD** in RIS is voluntary and for information

Radio Equipment Directive (RED)

Directive 2014/53/EU of 16 April 2014

Material, Essential Requirements

- EMC
- Electric safety
- Efficient use of spectrum
 - Not infringe requirements on the use of radio spectrum applicable in at least one Member State
- Additional requirements (Article 3 (3) RED)

Technical solutions
in standards

Formal, Administrative Requirements

- Application of conformity assessment procedure
- Markings (CE, sometimes NB)
- Inscriptions (name manufacturer, type, serial number, etc.)
- User information (declaration of conformity)
- Technical documentation

Pivotal Function of ETSI's Deliverables

Product Conformity Assessment Procedures

Option 1

Self-declaration

under the internal
Production Control
Procedure

Option 2

EU-Type Examination

through submission
of the technical
documentation to a
Notified Body

Option 3

Full Quality Assurance (FQA)

Approval of the
manufacturer's
process by a
Notified Body

- **HARMONISED STANDARDS** are voluntary, but, if applied, they provide a presumption of conformity and **self-declaration** is permitted
- Where no Harmonised Standard exists (or is not applied), the involvement of a **Notified Body** for Type Examination or Full Quality Assurance assessment procedure is required
But: Uncertainty on what benchmarks to base assessments

Liberalisation and Deregulation

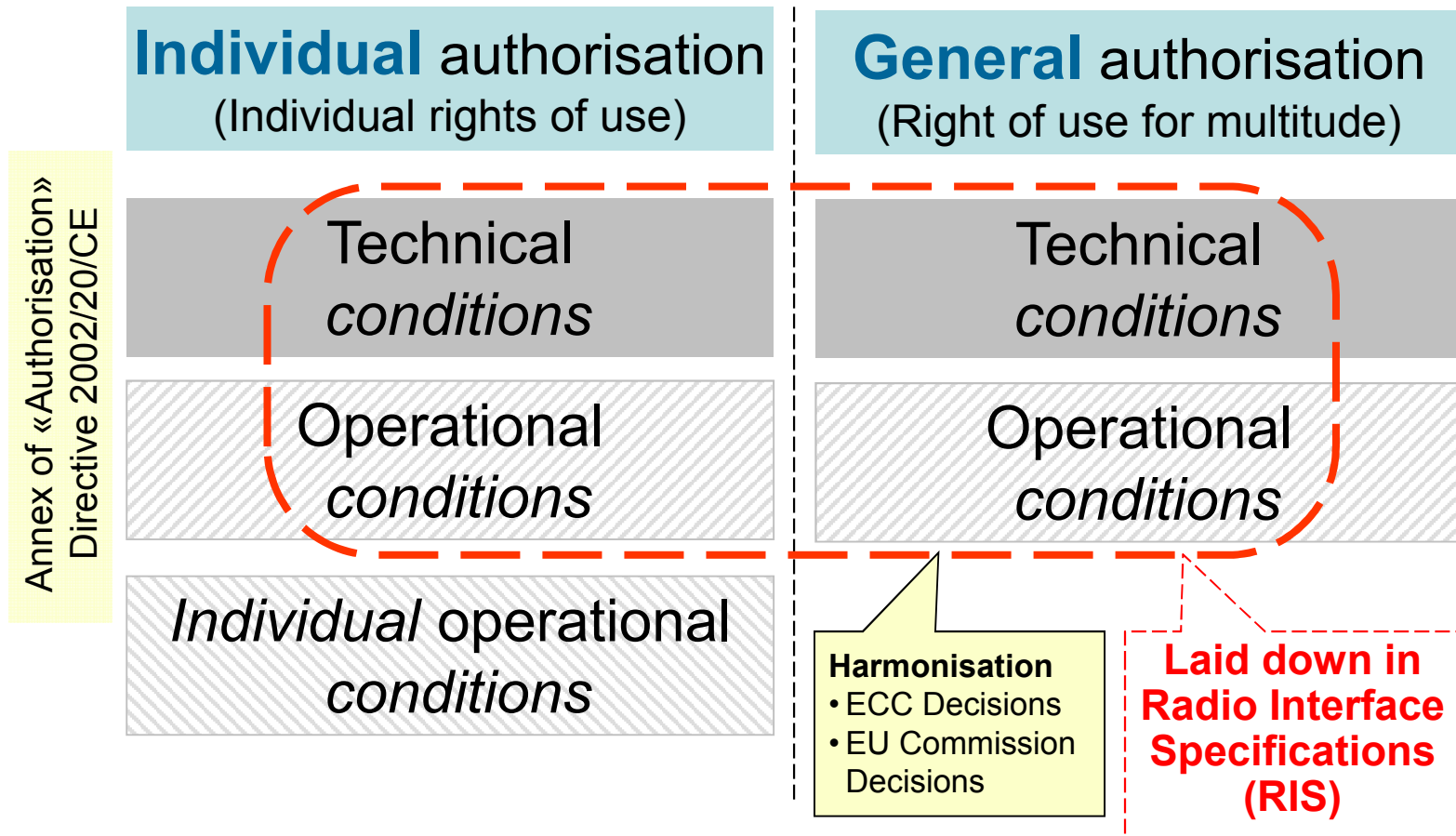
Increased Responsibility of Economic Operators

- Example: Radio interface specification (RIS) for Mobile/fixed communications networks (MFCN)

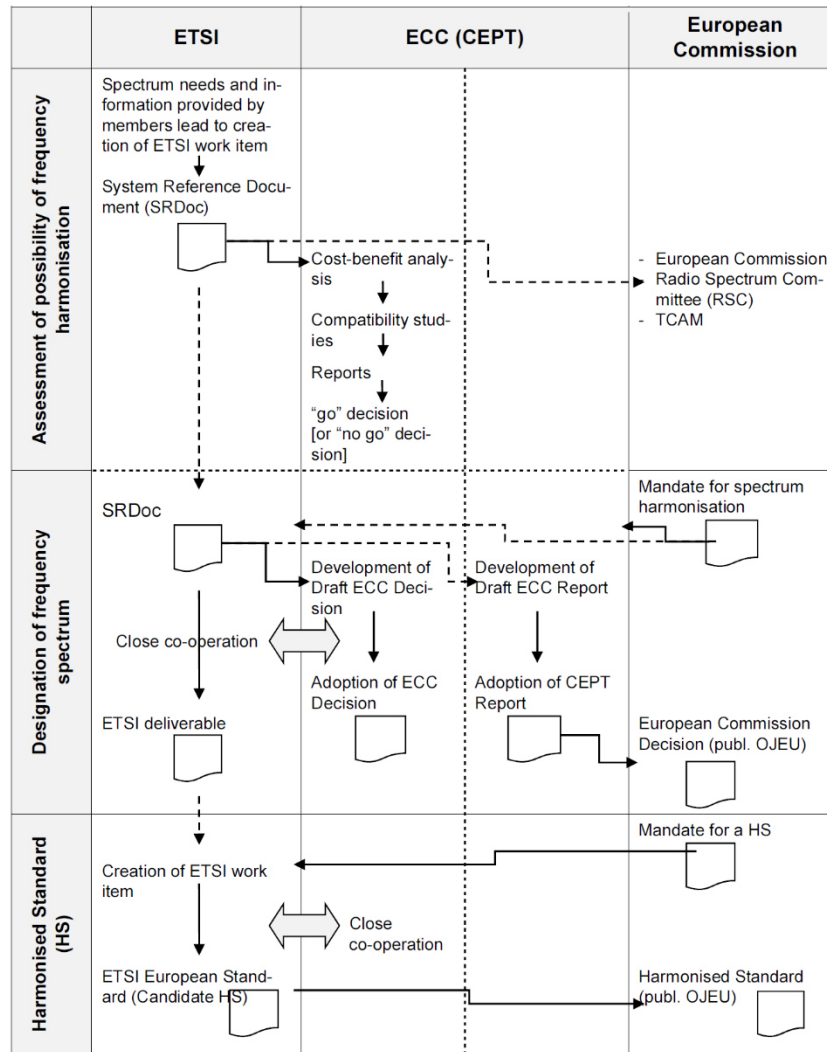
Nr	Parameter ²⁾	Description	Comments
1	Radiocommunication service	Land mobile	-
2	Application	MFCN	LTE User Equipment (Uplink) for IMT and other communications networks in the mobile and fixed services.
3	Frequency band	832 - 862 MHz	Receive band: 791 - 821 MHz
4	Channelling	5 MHz	-
5	Modulation / Occupied bandwidth	-	-
6	Direction / Separation	41 MHz	Duplexmode: FDD
7	Transmit power / Power density	-	-
8	Channel access and occupation rules	-	-
9	Authorisation regime	Switzerland: License exempt. Liechtenstein: General authorisation.	-
10	Additional essential requirements	-	-
11	Frequency planning assumptions	EN 301 908-1, Block edge masks (BEM)s: CEPT Report 30	ECC/DEC/(09)03, Annex 3
12	Planned changes	-	-
13	Reference	EN 301 908-13 / EN 301 489-24 / EN 60950, EN 50360 / ECC/DEC/(09)03 / CEPT Report 30 / CEPT Report 031 / CEPT Report 019.	Effective use of spectrum / EMC / Electrical safety / ECC Decisions / ECC Recommendations / Other Reference.
14	Notification number	2012/9510/CH G/TBT/N/CHE/161	-
15	Remarks	-	-

Spectrum Access

Authorisation Regimes for Radio Spectrum Use



Elaboration of a **HARMONISED STANDARD**



Pivotal Function of ETSI's Deliverables

- For radiocommunication technologies, access to spectrum and to the market without ETSI having adopted some kind of deliverable (Harmonised Standard or SRDoc) hardly probable
- Nevertheless there are still zones of vagueness in the relationship between standardisation process and the process of development of spectrum regulation
- Thus spectrum management authorities should participate in standardisation activities of radio equipment in ETSI in order to ensure the consistence of the system

Thank you for your attention

