ERC RECOMMENDATION 70-03 (Tromsø 1997 and subsequent amendments)

RELATING TO THE USE OF SHORT RANGE DEVICES (SRD)

Recommendation adopted by the Frequency Management, Regulatory Affairs and Spectrum Engineering Working Groups

Version of 30 May 2008.

Please see the Document History at the end of this document for the revision status of individual annexes and appendices.

PLEASE NOTE IMPLEMENTATION STATUS

page 25

FOREWORD

This Recommendation sets out the general position on common spectrum allocations for Short Range Devices (SRDs) for countries within the CEPT. It is also intended that it can be used as a reference document by the CEPT member countries when preparing their national regulations in order to keep in line with the provisions of the R&TTE Directive.

In using this Recommendation it should be remembered that it represents the most widely accepted position within the CEPT but it should not be assumed that all allocations are available in all countries. An indication of where allocations are not available or where deviations from the CEPT position occur is to be found in Appendix 3.

It should also be remembered that the pattern of radio use is not static. It is continuously evolving to reflect the many changes that are taking place in the radio environment; particularly in the field of technology. Spectrum allocations must reflect these changes and the position set out in this Recommendation is therefore subject to continuous review.

Moreover, many administrations have designated additional frequencies or frequency bands for SRD applications on a national basis that do not conform to the CEPT position set out in this Recommendation.

For these reasons, those wishing to develop or market SRDs based on this Recommendation are advised to contact the relevant national administration to verify that the position set out herein still applies. Any inconsistencies between the national position stated in the implementation table in Appendix 1 of this Recommendation and those national positions stated elsewhere should be brought to the attention of the ERO (Yurdal@ero.dk) in order that these differences may be resolved.

When selecting parameters for new SRDs, which may have inherent safety of human life implications, manufacturers and users should pay particular attention to the potential for interference from other systems operating in the same or adjacent bands. Manufacturers should advice users on the risks of potential interference and its consequences.

INDEX TABLE

Foreword		2
Introduction		4
Annex 1	Non-specific Short Range Devices	6
Annex 2	Tracking, Tracing and Data Acquisition	8
Annex 3	Wideband Data Transmission systems	9
Annex 4	Railway applications	10
Annex 5	Road Transport and Traffic Telematics (RTTT)	12
Annex 6	Radiodetermination applications	13
Annex 7	Alarms	14
Annex 8	Model Control	15
Annex 9	Inductive applications	16
Annex 10	Radio microphones and Assistive Listening Devices	20
Annex 11	Radio frequency identification applications	21
Annex 12	Wireless applications in Healthcare	23
Annex 13	Wireless Audio Applications	24
Appendix 1	Implementation status	25
ECC/ERC	Decisions	30
ECC/ERC	Reports	31
ETSI Stand	lards including harmonised standards	33
Generic sta	ındards	33
	andards	
List of rele	vant EC Decisions	34
	National restrictions.	
List of abb	reviations as used in this document	61
Duty cycle	categories	61
Document	History	62

INTRODUCTION

CEPT has adopted this Recommendation to deal with Short Range Devices and the European Telecommunications Standards Institute (ETSI) has now developed harmonised standards for the majority of these devices. Other standards or technical specifications will be applicable within the framework of the R&TTE Directive for placing on the market.

The term "Short Range Device" (SRD) is intended to cover the radio transmitters which provide either unidirectional or bi-directional communication and which have low capability of causing interference to other radio equipment. SRDs use either integral, dedicated or external antennas and all modes of modulation can be permitted subject to relevant standards. SRDs are not considered a "Radio Service" under the ITU Radio Regulations (Article 1).

This Recommendation describes the spectrum management requirements for SRDs relating to allocated frequency bands, maximum power levels, channel spacing and duty cycle.

For CEPT countries that have implemented the R&TTE Directive, Article 12 (CE-marking) and Article 7.2 on putting into service of radio equipment apply. Article 12 states that "any other marking may be affixed to the equipment provided that the visibility and legibility of the CE-marking is not hereby reduced" and Article. 7.2 states that "member states may restrict the putting into service of radio equipment only for reasons related to the effective and appropriate use of the radio spectrum, avoidance of harmful interference or matters relating to public health."

"The CEPT has considered the use of SRD devices on board aircraft and it has concluded that, from the CEPT regulatory perspective, such use is allowed under the same conditions provided in the relevant Annex of Recommendation 70-03. For aviation safety aspects, the CEPT is not the right body to address this matter which remains the responsibility of aircraft manufacturers or aircraft owners who should consult with the relevant national or regional aviation bodies before the installation and use of such devices on board aircraft."

For Short Range Devices individual licenses are normally not required. Where licenses are required this is stated in the relevant Annex.

The following annexes define the regulatory parameters as well as additional information about harmonised standards, frequency issues and important technical parameters. Other technical parameters are indicated in the relevant standard.

Appendix 2 covers the relevant ERC Decisions and ETSI standards.

For countries having implemented the R&TTE Directive further details can be found on the relevant EC (http://europa.eu.int/comm/enterprise/rtte/index_en.htm) and the ERO web sites (www.ero.dk).

Applications for certain short range devices within this recommendation are subject to EC Decisions including Decision 2006/771/EC and EU/EEA-EFTA Member States are obliged to implement the EC Decision in all these cases. (EEA-EFTA refers to those Member States of EFTA who participate in the EEA Agreement). These applications are identified by a footnote under "Additional Information" in the relevant Annex which also mentions any derogations that have been agreed. A list of relevant EC Decisions can be found in Appendix 2.

Member States of EU/EEA-EFTA may allow, at national level, equipment to operate under more permissive conditions than specified in the EC Decision if permitted by that EC Decision. However, in this case such equipment could not operate throughout the European Community without restrictions and would therefore be considered as 'Class 2' equipment under the classification in the 1999/5/EC (R&TTE) Directive.

"The European Conference of Postal and Telecommunications Administrations,

considering

- a) that SRDs in general operate in shared bands and are not permitted to cause harmful interference to radio services;
- b) that in general SRDs cannot claim protection from radio services;
- that due to the increasing interest in the use of SRDs for a growing number of applications it is necessary to harmonise frequencies and regulations for these devices;
- d) that there is a need to distinguish between different applications;
- e) that additional applications and associated annexes will be added as necessary;
- f) that for CEPT countries that have implemented the R&TTE Directive article 12 (CE marking) and article 7.2 on putting into service of radio equipment apply,
- g) that equipment marketed before the adoption of this Recommendation marked with the abbreviation CEPT LPD Y according to the abrogated CEPT Recommendation T/R 01-04 should be allowed continuation of free circulation and use
- h) that maintenance of Appendices 2 and 3 and also the related cross-references in the Annexes may be undertaken by the ERO based on information from Administrations,
- that information about placing SRD equipment on the market and its use can be obtained by contacting individual administrations, especially with regard to equipment operating in frequencies or frequency bands that may be designated for SRDs by administrations in addition to those covered in this Recommendation;
- j) that SRD equipment normally use either integral or dedicated antennas. In exceptional cases external antennas could be used which will be mentioned in the appropriate annex to this Recommendation;
- k) that for those countries implementing the provisions of this Recommendation, national restrictions in respect of the annexes can be found in Appendix 3;

recommends

- that CEPT administrations implement the parameters in accordance with the indications mentioned in the annexes;
- 2) that technical parameter limits should not be exceeded by any function of the equipment;
- 3) that CEPT administrations should allow visitors from other countries to carry and use their equipment temporarily without any further formalities unless there are national restrictions as shown in Appendix 3."

Note:

Please check the Office web site (www.ero.dk) for the up to date position on the implementation of this and other ECC/ERC recommendations.

Annex 1 Non-specific Short Range Devices

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended primarily for Telemetry, Telecommand, Alarms and Data in general and other similar applications. Video applications should only be used above 2.4 GHz.

Regulatory parameters related to Annex 1

	Frequency Band	Power / Magnetic Field	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
a	6765-6795 kHz	42 dBμA/m at 10m	No Restriction	No spacing		
b	13.553-13.567 MHz	42 dBμA/m at 10m	No Restriction	No spacing		
с	26.957-27.283 MHz	42 dBμA/m at 10m 10 mW e.r.p	No Restriction	No spacing	ERC/DEC/(01)02	
d	40.660-40.700 MHz	10 mW e.r.p.	No Restriction	No spacing	ERC/DEC/(01)03	
e	138.20-138.45 MHz	10 mW e.r.p.	< 1.0 %	No spacing		
f	433.050-434.790 MHz (note 4)	10 mW e.r.p.	< 10 %	No spacing	ECC/DEC/(04)02	
f1	433.050-434.790 MHz (note 4bis)	1 mW e.r.p. -13 dBm/10 kHz	up to 100%	No spacing	ECC/DEC/(04)02	Power density limited to -13 dBm/10 kHz for wideband modulation with a bandwidth greater than 250 kHz
f2	434.040-434.790 MHz (note 4bis)	10 mW e.r.p.	up to 100%	Up to 25 kHz	ECC/DEC/(04)02	
<u>g</u>	863-870 MHz (note 3, 4 and 6)	≤ 25 mW e.r.p.	≤ 0.1% or LBT (note 1 and 5)	≤ 100 kHz for 47 or more channels (note 2)		FHSS modulation
		≤ 25 mW e.r.p. (note 6) Power density: - 4.5 dBm/100 kHz (note 8)	≤ 0.1% or LBT (note 1, 5 and 6)	No spacing		DSSS and other wideband modulation other than FHSS
		≤ 25 mW e.r.p.	≤ 0.1% or LBT (note 1 and 5)	≤ 100 kHz, for 1 or more channels (note 2 and 7)		Narrow /wide-band modulation
g1	868.000-868.600 MHz (note 4)	≤ 25 mW e.r.p.	≤ 1% or LBT (note 1)	No spacing, for 1 or more channels (note 2)	ERC/DEC/(01)04	Narrow / wide-band modulation No channel spacing, however the whole stated frequency band may be used
g2	868.700-869.200 MHz (note 4)	≤ 25 mW e.r.p.	≤ 0.1% or LBT (note 1)	No spacing, for 1 or more channels (note 2)	ERC/DEC/(01)04	Narrow / wide-band modulation No channel spacing, however the whole stated frequency band may be used
g3	869.400-869.650 MHz (note 4)	≤ 500 mW e.r.p.	≤ 10% or LBT. (note 1)	25 kHz (for 1 or more channels)	ERC/DEC/(01)04	Narrow / wide-band modulation The whole stated frequency band may be used as 1 channel for high speed data transmission
g4	869.700-870.000 MHz (note 4bis)	≤ 5 mW e.r.p.	up to 100%	No spacing (for 1 or more channels)	ERC/DEC/(01)04	Narrow / wide-band modulation No channel spacing, however the whole stated frequency band may be used
h	2400.0-2483.5 MHz	10 mW e.i.r.p.	No Restriction	No spacing		
i	5725-5875 MHz	25 mW e.i.r.p.	No Restriction	No spacing	ERC/DEC/(01)06	
j	24.00-24.25 GHz	100 mW e.i.r.p.	No Restriction	No spacing		
k	61.0-61.5 GHz	100 mW e.i.r.p.	No Restriction	No spacing		
1	122-123 GHz	100 mW e.i.r.p.	No Restriction	No spacing		
m	244-246 GHz	100 mW e.i.r.p.	No Restriction	No spacing		

- Note 1: For frequency agile devices the duty cycle limit applies to the total transmission unless LBT is used. For LBT devices without frequency agility, the duty cycle limit applies.
- Note 2: The preferred channel spacing is 100 kHz allowing for a subdivision into 50 kHz or 25 kHz.
- Note 3: Sub-bands for alarms are excluded (see ERC/REC 70-03 Annex 7).
- Note 4: The duty cycle, LBT or equivalent technique shall not be user dependent and shall therefore be guaranteed by appropriate technical means.
- Note 4bis: Audio applications should be excluded. Voice applications allowed with spectrum access technique such as LBT or equivalent technique, the transmitter shall include a power output sensor controlling the transmitter to a maximum transmit period of 1 minute.
- Note 5: Duty cycle may be increased to 1% if the band is limited to 865-868 MHz.
- Note 6: For other wide-band modulation than FHSS and DSSS with a bandwidth of 200 kHz to 3 MHz, duty cycle can be increased to 1% if the band is limited to 865-868 MHz and power to ≤10 mW e.r.p.
- Note 7: For other narrow-band modulation with a bandwidth of 50 kHz to 200 kHz, the band is limited to 865.5-867.5 MHz.
- Note 8: The power density can be increased to +6.2 dBm/100 kHz and +0.8 dBm/100 kHz, if the band of operation is limited to 865-868 MHz and 865-870 MHz respectively.

Additional Information

Harmonised Standards

EN 300 220 subbands c) to g4) EN 300 330 subbands a) to c)

EN 300 440 subbands h) i) and j)

Technical parameters also referred to in the harmonised standard

Listen before talk (LBT) with a preferred option of adaptive frequency agility (AFA) feature may be used instead of duty cycle. LBT is defined in EN 300 220.

Frequency issues

The bands in Annex 1 a - b - c - d f - f1 - f2 - h - i - j - k - l and m are also designated for industrial, scientific and medical (ISM) applications as defined in ITU Radio Regulations.

Subband g

Certain channels may be occupied by RFID operating at higher powers (See Annex 11 for further details). To minimise the risk of interference from RFID, SRDs should use LBT with AFA or observe suitable separation distances. (In the high power RFID channels typically these may vary from 918 m (indoor) to 3.6 km (rural outdoor). In the remaining 2.2 MHz, where tags at -20 dBm e.r.p. occupy the spectrum, this may vary from 24 m (indoor) to 58 m (rural outdoor)).

The adjacent frequency band above 870 MHz has been designated for use by the high powered TETRA and other digital land mobile PMR/PAMR systems. Manufacturers should take this into account in the design of equipment and choice of power levels.

Annex 2 Tracking, Tracing and Data Acquisition

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended for a number of specific devices including –

- Detecting avalanche victims,
- Meter Reading
- Asset Tracking and Tracing

Regulatory parameters related to Annex 2

	Frequency Band	Power /	Duty cycle	Channel spacing	ECC/ERC	Notes
		Magnetic field			Decision	
a	457 kHz	7 dBμA/m at 10 m	< 100%	Continuous wave (CW) – no modulation.	ECC/DEC/(04)01	Detection of avalanche victims
b	169.4-169.475 MHz	500 mW e.r.p.	< 10%	Max 50 kHz	ECC/DEC/(05)02	Meter Reading
c	169.4-169.475 MHz	500 mW e.r.p.	< 1%	Max 50 kHz	ECC/DEC/(05)02	Asset Tracking and Tracing

Additional Information

Harmonised Standards

EN 300 718 Subband a) EN 300 220 Subband b) & c)

Frequency issues

No information

Technical parameters also referred to in the harmonised standard

No information

Annex 3 Wideband Data Transmission systems

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended for Wideband Data Transmission Systems and Wireless Access Systems including Radio Local Area Networks (WAS/RLANs) (formerly known as Radio Local Area Networks (RLANs)) within the band 2400-2483.5 MHz and for Wireless Access Systems including Radio Local Area Networks (WAS/RLANs) within the bands 5150-5250 MHz, 5250-5350 MHz, 5470-5725 MHz and 17.1-17.3 GHz.

Regulatory parameters related to Annex 3

Frequ	ency Band	Power	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
a	2400.0-2483.5 MHz	100 mW e.i.r.p.	No Restriction	No spacing	ERC/DEC/(01)07	For wide band modulations other than FHSS (e.g. DSSS, OFDM,), the maximum e.i.r.p. density is limited to 10 mW/1 MHz
b	5150 -5250 MHz	200 mW Max mean	No Restriction		ECC/DEC/(04)08	Restricted to indoor use. The maximum mean e.i.r.p. density shall be limited to 0.25 mW/25 kHz in any 25 kHz band.
c	5250 – 5350 MHz	200 mW Max mean	No Restriction		ECC/DEC/(04)08	Restricted to indoor use. The maximum mean e.i.r.p. density shall be limited to 10 mW/MHz in any 1 MHz band.
d	5470 – 5725 MHz	1 W Max mean	No Restriction		ECC/DEC/(04)08	Indoor as well as outdoor use allowed. The maximum mean e.i.r.p. density shall be restricted to 50 mW/MHz in any 1 MHz band.
e	17.1 - 17.3 GHz	100 mW e.i.r.p.	No Restriction	No spacing		

Additional Information

Harmonised Standards

EN 300 328 subband a) EN 301 893 subbands b), c) and d) subband e): t.b.d.

Frequency issues

Wireless Access Systems including Radio Local Area Networks (WAS/RLANs) within the bands 5250-5350 MHz and 5470-5725 MHz shall only be allowed to operate when the mandatory features required in the ECC Decision (04)08 are implemented.

Technical parameters also referred to in the harmonised standard

The power level for band b, c and d refers to Maximum mean e.i.r.p. The mean e.i.r.p. refers to the highest power level of the transmitter power control range during the transmission burst if transmitter power control is implemented.

Annex 4 Railway applications

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended for applications specifically intended for use on railways.

The subbands below are intended for the following applications:

- band a) Automatic vehicle identification systems for railways including Automatic Vehicle Identification for Railways (AVI)
- band b) Balise tele-powering and down-link (train to ground) systems including Eurobalise and activation of the Loop / Euroloop
- band c) Balise up-link (ground to train) systems including Eurobalise
- band d1) and d2) Loop up-link (ground to train) systems including Euroloop

Regulatory parameters related to Annex 4

Frequency Band		Power / Magnetic field	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
a	2446-2454 MHz	500 mW e.i.r.p.	No Restriction			Transmitting only in presence of trains. 5 channels, each 1.5 MHz wide within the band 2446-2454 MHz
b	27.095 MHz	42 dB μ A/m at 10 m		No spacing		Tele-powering and Down-link signal for Balise / Eurobalise. May also be optionally used for the activation of the Loop / Euroloop.
c	4234 kHz	9 dBμA/m at 10m	<1%	No spacing		Transmitting only on receipt of a Balise / Eurobalise tele-powering signal from a train.
d1	4516 kHz	$7~dB\mu A/m$ at $10~m$	No Restriction	No spacing		Not intended for new applications, existing applications to be phased out by 2010.
d2	11.1-16.0 MHz	-7 dBμA/m at 10m	No Restriction	No spacing		Maximum field strength specified in a bandwidth of 10 kHz, spatially averaged over any 200m length of the loop. Transmitting only in presence of trains. Spread Spectrum Signal, Code Length: 472 Chips

Additional Information

Harmonised Standards

EN 300 761 subband a)

EN 300 330 subbands b), c), d1)

Frequency issues

No information

Technical parameters also referred to in the harmonised standard

The maximum allowed H-field for the Eurobalise Tele-powering and Down-link is defined in Figure 1 on the next page. The maximum allowed H-field for the Eurobalise Up-link is defined in Figure 2 and for the Euroloop Up-link is defined in Table 1 on the following pages.

Spectrum mask relating to Eurobalise Tele-powering and Down-link

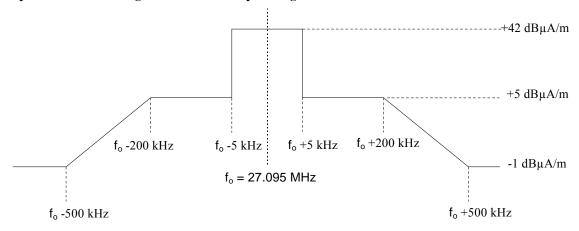
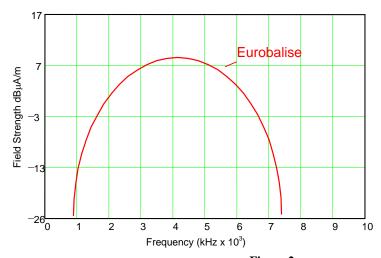


Figure 1
Magnetic field limits at 10 metre measurement distance for the Balise / Eurobalise Tele-powering and Down-link signals

Spectrum mask relating Eurobalise Up-link



Figure~2 Magnetic field limits at 10 metre measurement distance in 10 kHz measurement bandwidth for the Balise / Eurobalise Up-link transmission

Spectrum Mask relating to Euroloop Up-link

Frequency	Relative attenuation for the magnetic field strength
≤1 MHz	37 dB
7.3 MHz	23 dB
11.1 MHz	0 dB
16.0 MHz	0 dB
23.0 MHz	23 dB
≥ 30 MHz	35 dB

Table 1
Figures defining the transmission mask of Loop / Euroloop Up-link signal

Annex 5 Road Transport and Traffic Telematics (RTTT)

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended for Road Transport and Traffic Telematics (RTTT).

Regulatory parameters related to Annex 5

Frequency Band	Power	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
a 5795-5805 MHz	2 W e.i.r.p. 8 W e.i.r.p.	No Restriction		ECC/DEC/(02)01	
b 5805-5815 MHz	2 W e.i.r.p. 8 W e.i.r.p.	No Restriction		ECC/DEC/(02)01	Individual license required
c 63-64 GHz			No spacing	ECC/DEC/(02)01	Vehicle to vehicle and road to vehicle systems. Power level to be determined
d 76-77 GHz	55 dBm peak	No Restriction	No spacing	ECC/DEC/(02)01	Power level 55 dBm peak power e.i.r.p 50 dBm average power - 23.5 dBm average power for puls radar only.
					Vehicle and infrastructure radar systems

Additional Information

Harmonised Standards

EN 300 674 subbands a) and b)
EN 301 091 subband d)
ES 200 674 subbands a) and b)

Frequency issues

The frequency band a) is intended for road to vehicle systems, particularly (but not exclusively) road toll systems.

The frequency band a) and b) are recommended for 5 MHz channel spacing systems with the frequencies: 5797.5 MHz, 5802.5 MHz, 5807.5 MHz and

5812.5 MHz. For 10 MHz channel spacing systems 5800 MHz and 5810 MHz.

5805 - 5815 MHz on a national basis for multi-lane road junctions, particularly, but not exclusively road toll systems.

The use of 8 W e.i.r.p. allows for 1 Mbit/s in accordance with ETSI standard ES 200 674-1.

2W e.i.r.p. allows for 500 kbit/s downlink and 250 kbit/s uplink in accordance with EN 300 674-1 and for low data rates (31 kbit/s) in accordance with

EN 300 674-2.

Technical parameters also referred to in the harmonised standard

No information

Annex 6 Radiodetermination applications

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended for SRD radiodetermination applications including SRD radar systems, Equipment for Detecting Movement and Alert. Radiodetermination is defined as the determination of the position, velocity and/or other characteristics of an object, or the obtaining of information relating to these parameters, by means of the propagation properties of radio waves.

Regulatory parameters related to Annex 6

F	requency Band	Power	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
a	2400.0-2483.5 MHz	25 mW e.i.r.p.	No Restriction	No spacing	ERC/DEC/(01)08	
b	9200-9500 MHz	25 mW e.i.r.p.	No Restriction	No spacing		
c	9500-9975 MHz	25 mW e.i.r.p.	No Restriction	No spacing		
d	10.5-10.6 GHz	500 mW e.i.r.p.	No Restriction	No spacing		
e	13.4-14.0 GHz	25 mW e.i.r.p.	No Restriction	No spacing		
f	24.05-24.25 GHz	100 mW e.i.r.p.	No Restriction	No spacing		
g	4.5-7.0 GHz	-41.3 dBm/MHz e.i.r	p. No Restriction	No spacing		Tank Level Probing Radar (TLPR)
h	8.5-10.6 GHz	-41.3 dBm/MHz e.i.r	p. No Restriction	No Spacing		Tank Level Probing Radar (TLPR)
i	24.05-27.00 GHz	-41.3 dBm/MHz e.i.r	p. No Restriction	No Spacing		Tank Level Probing Radar (TLPR)
j	57-64 GHz	-41.3 dBm/MHz e.i.r	p. No Restriction	No Spacing		Tank Level Probing Radar (TLPR)
k	75-85 GHz	-41.3 dBm/MHz e.i.r	p. No Restriction	No Spacing		Tank Level Probing Radar (TLPR)
l	17.1-17.3 GHz	+26 dBm e.i.r.p.	DAA	No Spacing		Ground Based Synthetic Aperture Radar (GBSAR) (note 1)

Note 1: Specific requirements for the radar antenna pattern and for the implementation of Detect And Avoid (DAA) technique apply as described in EN 300 440 for Ground Based Synthetic Aperture Radar (GBSAR) systems

Additional Information

Harmonised Standards

EN 300 440 sub-bands a), b), c), d), e), f), l)

EN 302 372 (for TLPR) sub-bands g), h), i), j), k)

Frequency issues

Bands a), b), c), d), e) and f)

Some countries may allow equipment with transmitter powers between 25 mW and 500 mW in which case an individual licence or a general licence may be required.

Technical parameters also referred to in the harmonised standard

Bands g), h), i), j) and k) are to be used by TLPR equipment only.

The power limit is the radiated emission outside an enclosed tank structure.

The maximum emission inside an enclosed tank structure is given in EN 302 372.

Band h)

For the frequency range 10.6 GHz to 10.7 GHz, the radiated unwanted radiated emissions outside the tank enclosure shall be less than -60 dBm/MHz e.i.r.p.

Annex 7 Alarms

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended exclusively for alarm systems including social alarms and alarms for security and safety.

The subbands below are intended for the following applications:

- Alarms in general band a), b),c) and e)
- Social Alarms band d), f) and g)

Regulatory parameters related to Annex 7

Frequency Band	Power	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
a 868.6-868.7 MHz	10 mW e.i	r.p. < 1.0 %	25 kHz	ERC/DEC/(01)09	The whole frequency band may also be used as 1 channel for high speed data transmissions
b 869.250-869.300 MHz	10 mW e.i	r.p. < 0.1 %	25 kHz	ERC/DEC/(01)09	
c 869.650-869.700 MHz	25 mW e.i	r.p. < 10 %	25 kHz	ERC/DEC/(01)09	
d 869.200-869.250 MHz	10 mW e.i	r.p. < 0.1 %	25 kHz		Social Alarms
e 869.300-869.400 MHz	10 mW e.i	r.p. < 1.0 %	25 kHz		
f 169.4750-169.4875 MHz	10 mW e.i	r.p. < 0.1 %	12.5 kHz	ECC/DEC/(05)02	Social Alarms (exclusive use)
g 169.5875-169.6000 MHz	10 mW e.i	r.p. < 0.1 %	12.5 kHz	ECC/DEC/(05)02	Social Alarms (exclusive use)

Additional Information

Harmonised Standards

EN 300 220

Frequency issues

No information

Technical parameters also referred to in the harmonised standard

No information

Annex 8 Model Control

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended for the application of model control equipment, which is solely for the purpose of controlling the movement of the model, in the air, on land or over or under the water surface. Although the bands are not harmonised, the parameters given in the table are common in a majority of CEPT countries. It should be noted that the bands are not exclusive for this type of application.

Regulatory parameters related to Annex 8

F	requency Band	Power	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
a	26.995, 27.045, 27.095, 27.145, 27.195 MHz	100 mW e.r.p.	No Restriction	10 kHz	ERC/DEC/(01)10	
b	34.995-35.225 MHz	100 mW e.r.p.	No Restriction	10 kHz	ERC/DEC/(01)11	Only for flying models
c	40.665, 40.675, 40.685, 40.695 MHz	100 mW e.r.p.	No Restriction	10 kHz	ERC/DEC/(01)12	

Additional Information

Harmonised Standards

EN 300 220

Frequency issues

No information

Technical parameters also referred to in the harmonised standard

No information

Annex 9 Inductive applications

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended for inductive applications include for example car immobilisers, animal identification, alarm systems, cable detection, waste management, personal identification, wireless voice links, access control, proximity sensors, antitheft systems including RF anti-theft induction systems, data transfer to handheld devices, automatic article identification, wireless control systems and automatic road tolling. It should be noted that other types of anti-theft systems can be operated in accordance with other relevant annexes.

Regulatory parameters related to Annex 9

Frequency Band	Magnetic field	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
aa 9 -59.750 kHz	72 dBμA/m at 10m	No Restriction	No spacing	ERC/DEC/(01)13	In case of external antennas only loop coil antennas may be employed. Field strength level descending 3 dB/oct at 30 kHz
ab 59.750-60.250 kHz	$42~dB\mu A/m$ at $10m$	No Restriction	No spacing	ERC/DEC/(01)13	In case of external antennas only loop coil antennas may be employed
ac 60.250-70.000 kHz	69 dBμA/m at 10m	No Restriction	No spacing	ERC/DEC/(01)13	In case of external antennas only loop coil antennas may be employed. Field strength level descending 3 dB/oct at 30 kHz
b 70-119 kHz	$42~dB\mu A/m$ at $10m$	No Restriction	No spacing	ERC/DEC/(01)13	In case of external antennas only loop coil antennas may be employed
c 119-135 kHz	66 dBμA/m at 10m	No Restriction	No spacing	ERC/DEC/(01)13	In case of external antennas only loop coil antennas may be employed. Field strength level descending 3 dB/oct at 30 kHz
c1 135-140 kHz	$42~dB\mu A/m$ at $10m$	No Restriction	No spacing		In case of external antennas only loop coil antennas may be employed
c2 140-148.5 kHz	$37.7~dB\mu A/m$ at $10m$	No Restriction	No spacing		In case of external antennas only loop coil antennas may be employed
d 6765-6795 kHz	42 dBμA/m at 10m	No Restriction	No spacing		
e 7400-8800 kHz	9 dBμA/m at 10m	No Restriction	No spacing	ERC/DEC/(01)15	
f 13.553-13.567 MHz	42 dBμA/m at 10m	No Restriction	No spacing		
f1 13.553-13.567 MHz	$60 \text{ dB}\mu\text{A/m}$ at 10m	No Restriction	No spacing		For RFID and EAS only
g 26.957-27.283 MHz	$42\;dB\mu A/m$ at $10m$	No Restriction	No spacing	ERC/DEC/(01)16	
h 10.200-11.000 MHz	9 dB μ A/m at 10m	No Restriction	No spacing		
k 3155-3400 kHz	$13.5 \text{ dB}\mu\text{A/m}$ at 10m	No Restriction	No spacing		In case of external antennas only loop coil antennas may be employed
11 148.5 kHz - 5 MHz	-15 dB μ A/m at 10 m	No Restriction	No spacing		In case of external antennas only loop coil antennas may be employed.
					The maximum field strength is specified in a bandwidth of 10 kHz. The maximum allowed total field strength is -5 dBµA/m at 10 m for systems operating at bandwidths larger than 10 kHz whilst keeping the density limit (-15 dBµA/m in a bandwidth of 10 kHz).
12 5 - 30 MHz	-20 dB μ A/m at 10 m	No Restriction	No spacing		In case of external antennas only loop coil antennas may be employed.
					The maximum field strength is specified in a bandwidth of 10 kHz. The maximum allowed total field strength is -5 dBμA/m at 10 m for systems operating at bandwidths larger than 10 kHz whilst keeping the density limit (-20 dBμA/m in a bandwidth of 10 kHz).
13 400 - 600 kHz	-8 dBμA/m at 10 m	No Restriction	No spacing		For RFID only
			-		In case of external antennas only loop coil antennas may be employed.

The maximum field strength is specified in a bandwidth of 10 kHz.

The maximum allowed total field strength is -5dBµA/m at 10 m for systems operating at bandwidths larger than 10 kHz measured at the center frequency whilst keeping the density limit (-8dBµA/m in a bandwidth of 10 kHz).

These systems should operate with a minimum operating bandwidth of 30 kHz.

Additional Information

Harmonised Standards

EN 300 330 EN 302 291

Frequency issues

Users should be aware that emissions from inductive applications could cause interference to nearby receivers of other radio services.

In case of loop antennas used within bands aa) and ac) integral or dedicated within an area between 0.05 m2 and 0.16 m2, the field strength is reduced by $10 * \log$ (area/0.16 m2); for an antenna area less than 0.05 m2 the field strength is reduced by 10 dB

Particular attention should also be paid to the more stringent protection requirements identified by the ITU for global distress and safety communications frequencies in the same or adjacent bands.

Technical parameters also referred to in the harmonised standard

The maximum allowed H-field for bands aa), ab), ac), b) and c) is illustrated in Figure 1;

The maximum allowed H-field limits for bands c, c1) and c2) are illustrated in Figure 2;

The maximum allowed H-field limits for bands d), f) and f1) are illustrated in Figure 3 on the next pages.

The maximum allowed H-field limits for bands ${\bf a}, {\bf b}$ and ${\bf c}$ are illustrated in Figure 1

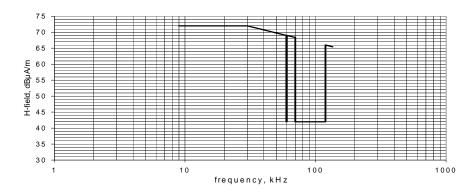
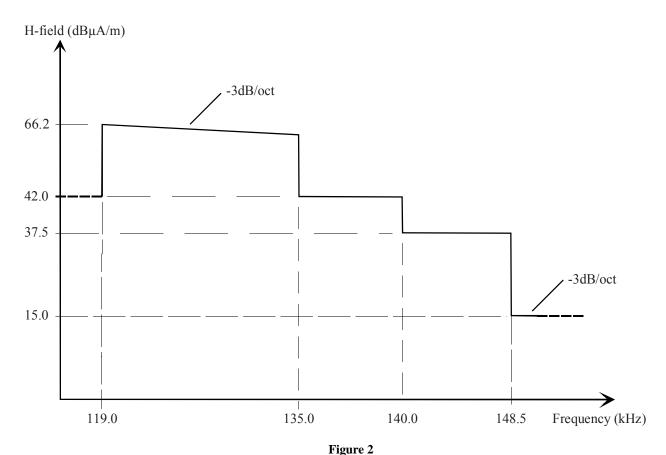


Figure 1
9-135 kHz magnetic field strength limits overview at 10-metre measurement distance

The maximum allowed H-field limits for band c1 and c2 are illustrated in Figure 2



135 – 148.5 kHz magnetic field strength limit at 10 metres measurement distance

ISM bands d), f) and f1)

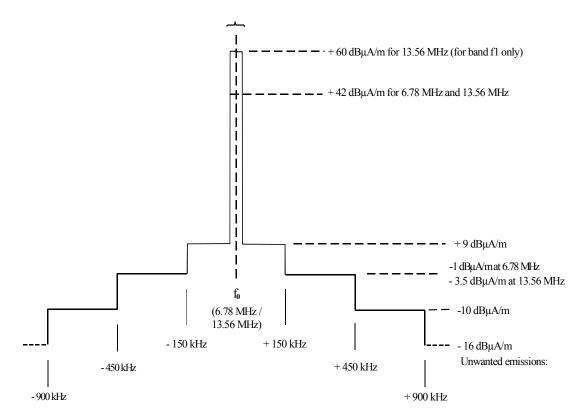


Figure 3 $6.78~\mathrm{MHz}$ and 13.56 MHz magnetic field strength limit at 10 metres measurement distance

Annex 10 Radio microphones and Assistive Listening Devices

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended for radio microphones (also referred to as wireless microphones or cordless microphones) and assistive listening devices including aids for the hearing impaired. Radio microphones are small, low power (50 mW or less) transmitters designed to be worn on the body, or hand held, for the transmission of close, personal sound. The receivers are more tailored to specific uses and may range from small and portable to rack mounted modules as part of a multichannel system. This annex covers professional and consumer radio microphones, both hand-held and body-worn, and aids for the handicapped.

Because of the difficulty in determining harmonized frequency bands for radio microphones, frequency band limits should be regarded as tuning ranges within which a device can be designated to operate. In most cases, Appendix 3 indicates those parts of the range that are not available in individual countries but this does not apply to the broadcasting bands at 174-216 MHz and 470-862 MHz where national geographical restrictions are likely to exist and the national administration should be contacted.

The sub bands below are intended for the following applications:

- Narrow band audio band a)
- Aids for the hearing impaired bands b), h1), h2), i)
- Radio microphones bands c) g)

Regulatory parameters related to Annex 10

Frequency Band	Power	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
a 29.7-47.0 MHz	10 mW e.r.p.	up to 100%	50 kHz		On a tuning range basis The frequency bands 30.3-30.5 MHz, 32.15- 32.45 MHz and 41.015-47.00 MHz are harmonized military bands
b 173.965-174.015 MHz	2 mW e.r.p.	up to 100%	50 kHz		Aids for the hearing impaired
c 863-865 MHz	10 mW e.r.p.	up to 100%	No spacing		
d 174-216 MHz	50 mW e.r.p.	up to 100%	No spacing		On a tuning range basis Individual license required
e 470-862 MHz	50 mW e.r.p.	up to 100%	No spacing		On a tuning range basis Individual license required
f 1785-1795 MHz	20 mW e.i.r.p. 50 mW e.i.r.p.		No spacing		Individual license required 50 mW restricted to body worn microphones
g 1795-1800 MHz	20 mW e.i.r.p. 50 mW e.i.r.p.	up to 100%	No spacing		50 mW restricted to body worn equipment
h1 169.4000-169.4750 MHz	10 mW e.r.p.	up to 100%	Max 50 kHz	ECC/DEC/(05)02	Aids for the hearing impaired
h2 169.4875-169.5875 MHz	10 mW e.r.p.	up to 100%	Max 50 kHz	ECC/DEC/(05)02	Aids for the hearing impaired
i 169.4-174.0 MHz	10 mW e.r.p.	up to 100%	Max 50 kHz		Aids for the hearing impaired On a tuning range basis Administrations should consider channel plan for band 169.4 – 169.8125 MHz detailed in ECC/DEC/(05)02 and the risk of interference towards systems operated in the band 169.6 – 169.8125 band when developing their national frequency table

Additional Information

Harmonised Standards

EN 300 422 sub bands a) - g), h1), h2), i)

EN 301 840 sub band f) - g) EN 301 357 sub band c)

Frequency Issues.

Band h1 is in shared spectrum, band h2 is in exclusive spectrum.

Technical parameters also referred to in the harmonised standard

No information

Annex 11 Radio frequency identification applications

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended for radio frequency identification (RFID) applications including for example automatic article identification, asset tracking, alarm systems, waste management, personal identification, access control, proximity sensors, anti-theft systems, location systems, data transfer to handheld devices and wireless control systems. It should be noted that other types of RFID systems can be operated in accordance with other relevant annexes.

Regulatory parameters related to Annex 11

Frequency Band	Power	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
a 2446-2454 MHz	500 mW e.i.r.p. 4 W e.i.r.p.	up to 100% ≤ 15%	No spacing		Power levels above 500 mW are restricted to use inside the boundaries of a building and the duty cycle of all transmissions shall in this case be ≤15 % in any 200 ms period (30 ms on /170 ms off)
b1 865.0-865.6 MHz	100 mW e.r.p.		200 kHz		
b2 865.6-867.6 MHz	2 W e.r.p.		200 kHz		
b3 867.6-868.0 MHz	500 mW e.r.p.		200 kHz		

Additional Information

Harmonised Standards

EN 300 440 Sub-band a)

EN 302 208 Sub-bands b1), b2) and b3)

Frequency issues

Subband a)

To assist enforcement authorities any emissions due to the RFID device when measured outside of the building at a distance of 10 metres shall not exceed the equivalent field strength for a 500 mW RFID device mounted outside the building when measured at the same distance. Where a building consists of a number of premises, such as shops within a shopping arcade or Mall then the measurements shall be referenced to the boundary of the user's premises within the building.

Frequency Hopping Spread Spectrum (FHSS) techniques should be used as means of mitigation when more than 500 mW e.i.r.p. is used.

Sub-bands b1), b2) and b3)

Channel centre frequencies are 864.9 MHz + (0.2 MHz * channel number).

The available channel numbers for each sub-band are:

b1: channel numbers 1 to 3

b2: channel numbers 4 to 13

b3: channel numbers 4 to 15.

Note: The same equipment is allowed to operate in several sub-bands.

Frequency hopping or other spread spectrum techniques shall not be used.

Technical parameters also referred to in the harmonised standard

Subband a)

In addition, antenna beamwidth limits shall be observed as described in the standard EN 300 440.

In addition, for an RFID device which can exceed 500 mW, the device should be fitted with an automatic power control to reduce the radiated power below 500 mW; this automatic power control shall guarantee the reduction of the power to a maximum of 500 mW in cases where the device is moved and used outside the boundary of the user's building or premises as described above.

Sub-bands b1), b2) and b3)

ETSI EN 302 208-2 V1.1.1 specifies a mandatory requirement for a Listen Before Talk (LBT) mechanism.

ETSI EN 302 208-2 V1.2.1 removes the mandatory requirement for LBT but restricts the transmission of RFID interrogators to four designated high power channels.

ERC/REC 70-03

Annex 11, Page 22

Upon the withdrawal of ETSI EN 302 208-2 V1.1.1 it is planned that interrogators be allowed to transmit at levels up to 2 W e.r.p. only in the following four designated high power channels:

- 865.6-865.8 MHz
- 866.2-866.4 MHz
- 866.8-867.0 MHz
- 867.4-867.6 MHz

The maximum transmit on-time on a channel for each interrogator shall not exceed 4 sec. The minimum transmit off-time on a channel for each interrogator shall be greater than 100 msec.

Antenna beam width limits shall be observed as described in the relevant version of standard EN 302 208.

Annex 12 Wireless applications in Healthcare

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended for wireless applications in healthcare.

Regulatory parameters related to Annex 12

	Frequency Band	Power/Magnetic Field	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
a	402-405 MHz	25 μW e.r.p.	No Restriction	25 kHz	ERC/DEC/(01)17	For Ultra Low Power Active Medical Implants covered by the applicable harmonised standard.
						Individual transmitters may combine adjacent channels for increased bandwidth up to 300 kHz.
a1	401-402 MHz	25 μW e.r.p.	No Restriction for devices with LBT, otherwise	25 kHz		For Ultra Low Power Active Medical Implants and accessories covered by the applicable harmonised standard and not covered by band a.
			≤0.1% (see note 2)			Individual transmitters may combine adjacent 25 kHz channels for increased bandwidth up to 100 kHz (see note 1).
a2	405-406 MHz	25 μW e.r.p.	No Restriction for devices with LBT, otherwise	25 kHz		For Ultra Low Power Active Medical Implants and accessories covered by the applicable harmonised standard and not covered by band a.
			≤0.1% (see note 2)			Individual transmitters may combine adjacent 25 kHz channels for increased bandwidth up to 100 kHz (see note 1).
b	9-315 kHz	30 dBμA/m at 10m	< 10%	No spacing		The application is for Ultra Low Power Active Medical Implant systems using inductive loop techniques for telemetry purposes
c	315-600 kHz	-5 dBμA/m at 10m	< 10%	No spacing		The application is for animal implantable devices.
d	30.0-37.5 MHz	1 mW e.r.p.	< 10%	No spacing		The application is for Ultra Low Power medical membrane implants for blood pressure measurements.
e	12.5-20.0 MHz	-7 dBμA/m at 10m	< 10%	No spacing		The application is for ULP active animal implantable devices (ULP-AID), limited to indoor only applications.
						The maximum field strength is specified in a bandwidth of 10 kHz.
						The transmission mask of ULP-AID is defined as follows: 3dB bandwidth 300 kHz
						10dB bandwidth 800 kHz
						20dB bandwidth 2 MHz.

Note 1: Due to the limited available spectrum of 1 MHz, a maximum bandwidth of 100 kHz is proposed for these bands to ensure that several users could access the band concurrently.

Note 2: Systems not providing frequency agility based on ambient RF field sensing, be limited to a maximum permitted e.r.p. of 250 nanowatts with a duty cycle of $\leq 0.1\%$.

Additional Information

Harmonised Standards

EN 301 839	Subband a)
EN 302 537	Subband a1) and a2)
EN 302 195	Subband b)
EN 302 536	Subband c)
EN 302 510	Subband d)
EN 300 330	Subband e)

Frequency issues

Technical parameters also referred to in the harmonised standard

No information

Annex 13 Wireless Audio Applications

Scope of Annex

This annex covers frequency bands and regulatory as well as informative parameters recommended for applications for wireless audio systems including the following, cordless loudspeakers; cordless headphones; cordless headphones for portable use, for example portable CD, cassette or radio devices carried on a person; cordless headphones for use in a vehicle, for example for use with a radio or mobile telephone etc; in-ear monitoring, for use with concerts or other stage productions.

Regulatory parameters related to Annex 13

Fre	equency Band	Power	Duty cycle	Channel spacing	ECC/ERC Decision	Notes
a	863-865 MHz	10 mW e.r.p.	Up to 100%	No spacing	ERC DEC (01)18	
b	864.8-865.0 MHz	10 mW e.r.p.	Up to 100%	50 kHz		Narrow band analogue voice devices
c	1795-1800 MHz	20 mW e.i.r.p.	Up to 100%	No spacing		
d	87.5-108.0 MHz	50 nW e.r.p.	Up to 100%	200 kHz		

Additional Information

Harmonised Standards

EN 301 357 subband a) c) and d)

EN 300 220 subband b)

Frequency issues

Subband b)

Narrow band analogue voice devices, such as baby voice monitors, door entry systems etc should only use the band b) 864.8-865 MHz.

Technical parameters also referred to in the harmonised standard

Systems should be designed so that when not in use there should be no transmission of an RF carrier.

Subband d)

The user interface of SRD shall permit as a minimum the selection of any and all possible frequencies within the 88.1 MHz to 107.9 MHz and as a maximum 87.6 MHz to 107.9 MHz.

When audio signals are not present, apparatus must employ a transmission time out facility. Pilot tones that ensure continuity of transmission are not permitted.

U=under study

Annexes to ERC REC 70-03	AUT	BEL	BUL	CZE	CYP	DNK	EST	FIN	F	D	GRC	HNG	ISL	IRL	I	LVA	LIE	LTU	LUX	MLT	HOL	NOR	POL	POR	ROU	SVK	SVN	E	SUI	\mathbf{s}	G
Annex 1 - Non-Specific SRDs									EU n	nembe	er stat	es and	l EFT	A cou	ntries																
Annex 1A 6765-6795 kHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 1B 13.553-13.567 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 1C 26.957-27.283 MHz ERC/DEC(01)02	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L
Annex 1D 40.660-40.700 MHz ERC/DEC(01)03	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 1E 138.20-138.45 MHz	Y	N	Y	Y	Y	Y	Y	Y	N	N	Y	N	Y	P	N	N	N	Y	Y	Y	N	Y	N	N	Y	N	N	N	N	N	U
Annex 1F 433.050-434.790 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y
Annex 1F1 433.050-434.790 MHz ECC/DEC(04)02	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y
Annex 1F2 434.040-434.790 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y
Annex 1G 863-870 MHz	P	N	Y	Y	Y	Y	Y	Y	N	Y	L	L	Y	Y	N	N	Y	N	Y	Y	U	N	Y	Y	Y	U	Y	N	Y	N	U
Annex 1G1 868.000-868.600 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 1G2 868.700-869.200 MHz ERC/DEC(01)04	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 1G3 869.400-869.650 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 1G4 869.700-870.000 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 1H 2400.0-2483.5 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 1I 5725-5875 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 1J 24.00-24.25 GHz	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L
Annex 1K 61.0-61.5 GHz	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	U
Annex 1L 122-123 GHz	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	P	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	U
Annex 1M 244-246 GHz	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	P	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	U
Annex 2 - Tracking, Tracing and Data Acquisition																															
Annex 2A 457 kHz ECC/DEC(04)01	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 2B 169.4-169.475 MHz } ECC/DEC/(05)02	P	N	P	Y	N	N	Y	Y	P	Y	N	Y	Y	P	N	N	U	Y	Y	Y	Y	L	Y	Y	N	Y	Y	Y	U	Y	Y
Annex 2C 169.4-169.475 MHz	P	N	P	Y	N	N	Y	Y	P	Y	N	Y	Y	P	N	N	U	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	U	Y	Y
Annex 3 - Wideband Data Transmission Systems																															
Annex 3A 2400.0-2483.5 MHz ERC/DEC(01)07	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 3B 5150-5250 MHz	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 3C 5250-5350 MHz ECC/DEC/(04)08	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 3D 5470-5725 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 3E 17.1–17.3 GHz	Y	N	Y	U	N	Y	Y	Y	N	N	Y	P	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	N	N	N	N	Y	N	N
Annex 4 - Railway Applications																															
Annex 4A 2446-2454 MHz	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	Y	L	Y	Y	Y	U	Y	N	Y	N	L
Annex 4B 27.095 MHz	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
Annex 4C 4234 kHz	P	N	P	U	N	Y	U	Y	N	Y	N	P	U	P	N	N	Y	N	Y	N	U	N	Y	N	N	N	N	N	Y	N	N
Annex 4D1 4516 kHz	P	N	P	Y	N	Y	U	Y	N	Y	N	N	U	Y	N	N	Y	N	Y	N	L	N	Y	N	N	N	P	N	Y	Y	N
Annex 4D2 11.1 - 16.0 MHz	P	N	P	U	N	Y	U	Y	N	Y	N	P	U	P	N	N	U	N	Y	N	U	N	Y	N	N	N	N	N	U	N	N

Edition of 25 September 2008

Bright highlighted = new bands Highlighted yellow = not implemented

L=limited implementation

P=planned

Y=impleme implemented

ERC/REC 70-03 Appendix 1, Page 26

Implementation Status	AUT	BEL	BUL	CZE	СҮР	DNK	EST	FIN	F	D	GRC	HNG	ISL	IRL	I	LVA	LIE	LTU	LUX	MLT	HOL	NOR	POL	POR	ROU	SVK	SVN	E	SUI	<u>s</u>	G
Annex 5 - Road Transport and Traffic Telematics - R	TTT																														
Annex 5A 5795–5805 MHz	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	L	Y	Y	L	Y	Y	L	Y	L	Y	Y	N	Y	Y	Y	L	Y	L
Annex 5B 5805-5815 MHz ECC/DEC(02)01	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	L	Y	Y	L	Y	Y	L	Y	L	Y	Y	N	Y	Y	Y	L	Y	L
Annex 5C 63-64 GHz	Y	Y	Y	Y	Y	Y	L	Y	N	N	Y	Y	Y	Y	Y	Y	U	Y	Y	Y	Y	Y	N	Y	N	N	Y	Y	U	P	Y
Annex 5D 76-77 GHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 6 - Radiodetermination applications																															
Annex 6A 2400.0-2483.5 MHz ERC/DEC(01)08	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y
Annex 6B 9200-9500 MHz	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	L
Annex 6C 9500-9975 MHz	Y	Y	Y	Y	Y	Y	Y	Y	L	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	L
Annex 6D 10.5-10.6 GHz	N	Y	Y	N	Y	Y	N	N	L	N	Y	L	Y	L	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	L
Annex 6E 13.4-14.0 GHz	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y
Annex 6F 24.05-24.25 GHz	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	L
Annex 6G 4.5 - 7.0 GHz	U	N	P	P	Y	Y	U	Y	P	Y	N	P	U	P	N	N	Y	N	Y	N	U	N	Y	N	N	P	Y	N	Y	Y	N
Annex 6H 8.5 - 10.6 GHz	U	N	P	P	Y	Y	U	Y	P	Y	N	P	U	P	N	N	Y	N	Y	N	U	N	Y	N	N	P	Y	N	Y	Y	N
Annex 6I 24.05 - 27.0 GHz	U	N	P	P	Y	Y	U	Y	P	Y	N	P	U	P	N	N	Y	N	Y	N	U	N	Y	N	N	P	P	N	Y	Y	N
Annex 6J 57 - 64 GHz	U	N	P	P	Y	Y	U	Y	P	Y	N	P	U	P	N	N	Y	N	Y	N	U	N	Y	N	N	P	P	N	Y	Y	N
Annex 6K 75 - 85 GHz	U	N	P	P	Y	Y	U	Y	P	Y	N	P	U	P	N	N	Y	N	Y	N	U	N	Y	N	N	P	P	N	Y	Y	N
Annex 6L 17.1 - 17.3 GHz	N	N	P	U	N	Y	U	N	N	Y	N	P	N	N	N	N	Y	N	N	N	U	N	N	N	N	N	P	N	L	N	N
Annex 7 - Alarms																															
Annex 7A 868.6-868.7 MHz	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L
Annex 7B 869.250-869.300 MHz ERC/DEC(01)09	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 7C 869.650-869.700 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 7D 869.200-869.250 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 7E 869.300-869.400 MHz	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	P	Y	Y	N	Y
Annex 7F 169.4750-169.4875 MHz ECC/DEC(05)02	P	Y	N	Y	N	N	Y	Y	P	Y	N	Y	Y	Y	N	N	L	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	L	Y	Y
Annex 7G 169.5875-169.6000 MHz	P	Y	N	Y	N	N	Y	Y	P	Y	N	Y	P	Y	N	N	Y	Y	Y	Y	Y	L	Y	N	Y	Y	Y	Y	L	Y	Y
Annex 8 - Model Control																															
Annex 8A 26.995,27.045,27.095, 27,145,27.195 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 8B 34.995-35.225 MHz ERC/DEC(01)10-12	Y	Y	Y	Y	Y	Y	Y	Y	U	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y
Annex 8C 40.665,40.675 40.685, 40.695 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 9 - Inductive Applications																															
Annex 9AA 9-59.750 kHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 9AB 59.750-60.250 kHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 9AC 60.250-70.000 kHz ERC/DEC(01)13	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 9B 70-119 kHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 9C 119-135 kHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 9C1 135-140 kHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Р	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
Annex 9C2 140.0-148.5 kHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	P	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y
Annex 9D 6765-6795 kHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 9E 7400-8800 kHz ERC/DEC(01)15	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L
Annex 9F 13.553-13.567 MHz	Y	v	v	v	v	v	v	v	v	V	v	v	v	v	v	v	v	v	v	v	v	v	v	v	V	v	v	v	v	v	Y
Annex 9F1 13.553-13.567 MHz	Y	N	Y	V	v	v	v	v	V	V	V	V	V	V	V	N	v	II	Y	v	v	N	v	V	V	v	v	v	Y	Y	Y
Annex 9G 26.957-27.283 MHz ERC/DEC(01)16	Y	Y	v V	V	V	v	V	V	V	V	V	V	V	V	V	V	V	Y	Y	V	V	Y	V	V	V	V	V	Y	V	Y	L
Annex 9G 26.957-27.283 MHZ	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	L

ERC/REC 70-03 Appendix 1, Page 27

<u>Implementation Status</u>	AUT	BEL	BUL	CZE	CYP	DNK	EST	FIN	F	D	GRC	HNG	ISL	IRL	I	LVA	LIE	LTU	LUX	MLT	HOL	NOR	POL	POR	ROU	svk	SVN	E	SUI	S	G
Annex 9 - Inductive Applications - continued																															
Annex 9H 10.200-11.000 MHz	P	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	P	N	Y	U	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y	Y	L
Annex 9K 3155-3400 kHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	P	N	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	N	Y	Y	Y
Annex 9L1 148.5 kHz - 5 MHz	L	N	L	Y	Y	Y	Y	Y	P	Y	N	L	Y	P	N	N	Y	N	Y	Y	Y	Y	L	N	N	N	Y	Y	Y	Y	L
Annex 9L2 5 - 30 MHz	P	N	P	Y	Y	Y	Y	Y	P	Y	N	P	Y	P	N	N	Y	N	Y	Y	Y	Y	N	N	N	N	Y	N	Y	Y	Y
Annex 9L3 400-600 kHz	P	N	Y	Y	Y	P	Y	Y	P	Y	N	P	Y	P	N	N	Y	N	Y	Y	Y	N	N	N	N	N	Y	N	Y	Y	Y
Annex 10 - Radio Microphones and Assistive Listenia	ng Dev	vices																													
Annex 10A 29.7-47.0 MHz	L	Y	Y	L	Y	Y	L	L	L	L	L	L	Y	P	L	N	Y	Y	Y	L	Y	L	Y	N	N	L	Y	L	L	L	L
Annex 10B 173.965-174.015 MHz	P	N	L	Y	Y	N	Y	L	N	Y	N	Y	Y	P	Y	Y	N	Y	Y	Y	Y	L	N	Y	Y	Y	Y	N	N	N	Y
Annex 10C 863-865 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 10D 174-216 MHz	P	Y	Y	Y	Y	L	Y	L	L	Y	Y	Y	Y	N	Y	N	Y	Y	Y	N	Y	N	Y	Y	N	Y	Y	L	Y	Y	Y
Annex 10E 470-862 MHz	Y	Y	Y	Y	Y	L	Y	L	L	L	L	Y	Y	N	L	N	Y	Y	Y	L	Y	L	Y	Y	N	Y	Y	N	Y	Y	Y
Annex 10F 1785-1795 MHz	L	N	Y	L	Y	Y	Y	Y	L	Y	Y	Y	Y	N	N	N	Y	N	Y	P	Y	Y	Y	Y	N	N	Y	Y	Y	N	L
Annex 10G 1795-1800 MHz	L	N	Y	L	Y	Y	Y	N	L	Y	Y	Y	Y	N	N	N	Y	N	Y	P	Y	Y	Y	Y	N	N	Y	Y	Y	N	L
Annex 10H1 169.4000-169.4750 MHz ECC/DEC(05)02	P	N	N	Y	N	N	Y	Y	P	N	N	Y	Y	P	N	N	L	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y	L	Y	Y
Annex 10H2 169.4875-169.5875 MHz	U	N	N	Y	N	N	Y	Y	P	Y	N	Y	P	P	N	N	L	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	L	Y	Y
Annex 10I 169.4-174.0 MHz	N	N	N	L	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	P	N	N	N	N	N	P	L	N	N	L
Annex 11 - Radio Frequency Identification Application	ons																														
Annex 11A 2446-2454 MHz	Y	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	U	Y	Y	Y	N	Y
Annex 11B1 865.0-865.6 MHz ECC/DEC(05)02	Y	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	N
Annex 11B2 865.6-867.6 MHz	Y	N	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	N
Annex 11B3 867.6-868.0 MHz	Y	N	Y	Y	Y	Y	Y	Y	N	Y	у	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	N
Annex 12 - Wireless Applications in Healthcare																															
Annex 12A 402-405 MHz ERC/DEC(01)17	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 12A1 401-402 MHz	U	N	P	P	Y	Y	Y	Y	P	Y	P	P	Y	P	N	N	P	Y	Y	P	U	N	Y	Y	N	U	Y	N	P	Y	P
Annex 12A2 405-406 MHz	U	N	P	P	Y	Y	Y	Y	P	Y	P	P	Y	P	N	N	P	Y	Y	P	U	N	Y	Y	N	U	Y	N	P	Y	P
Annex 12B 9-315 kHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	P	N	Y	Y	Y	Y	Y	Y	Y	L	Y	Y	Y	L	Y	Y	L
Annex 12C 315-600 kHz	Y	Y	Y	Y	Y	Y	Y	Y	P	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 12D 30.0-37.5 MHz	P	Y	Y	U	Y	Y	Y	Y	P	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	N	Y	N	Y	U	Y	N	N	N	Y
Annex 12E 12.5-20.0 MHz	P	N	P	Y	Y	Y	Y	Y	P	Y	N	P	Y	P	N	N	Y	N	Y	P	Y	N	Y	N	N	N	Y	N	Y	Y	Y
Annex 13 - Wireless Audio Applications																															
Annex 13A 863-865 MHz ERC/DEC(01)18	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Annex 13B 864.8-865.0 MHz	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	P	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	N	v	v	v	V	Y	Y	N	N	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	N	V	Y	V	Y	N	V	N	Y	Y	L
Annex 13C 1795-1800 MHz	IN	1		1		•						•											•		•	1.4		- 11	•		

Bright highlighted = new bands

Highlighted yellow = not implemented Y=implemented L=limited implementation P=planned U=under study

dix 1, Page 28						
Annexes to ERC REC 70-03	BIH	HRV	MKD	RUS	SRB	TUR
Annex 1 - Non-Specific SRDs						
Annex 1A 6765-6795 kHz	Y	Y	Y	N	Y	Y
Annex 1B 13.553-13.567 MHz	Y	Y	Y	Y	Y	Y
Annex 1C 26.957-27.283 MHz ERC/DEC/(01)02	Y	Y	Y	Y	Y	Y
Annex 1D 40.660-40.700 MHz ERC/DEC/(01)03	Y	Y	Y	Y	Y	Y
Annex 1E 138.20-138.45 MHz	Y	N	Y	N	Y	N
Annex 1F 433.050-434.790 MHz	Y	Y	Y	L	Y	Y
Annex 1F1 433.050-434.790 MHz ECC/DEC/(04)02	Y	Y	Y	N	Y	Y
Annex 1F2 434.040-434.790 MHz	Y	Y	Y	N	Y	Y
Annex 1G 863-870 MHz	Y	Y	Y	N	N	Y
Annex 1G1 868.000-868.600 MHz	Y	Y	Y	N	Y	Y
Annex 1G2 868.700-869.200 MHz	Y	Y	Y	N	Y	Y
Annex 1G3 869.400-869.650 MHz ERC/DEC/(01)04	Y	Y	Y	N	Y	Y
Annex 1G4 869.700-870.000 MHz	Y	Y	Y	N	Y	Y
Annex 1H 2400.0-2483.5 MHz	Y	Y	Y	Y	Y	Y
Annex 11 5725-5875 MHz	Y	Y	Y	N	Y	Y
Annex 1J 24.00–24.25 GHz	Y	Y	Y	N	Y	Y
Annex 1K 61.0-61.5 GHz	Y	N	Y	N	Y	Y
Annex 11, 122-123 GHz	Y	N	Y			
				N	N	Y
Annex 1M 244-246 GHz	Y	N	Y	N	N	Y
Annex 2 - Tracking, Tracing and Data Acquisition	••					
Annex 2A 457 kHz ECC/DEC/(04)01	Y	Y	Y	Y	N	Y
Annex 2B 169.4-169.475 MHz } ECC/DEC/(05)02	Y	N	Y	N	N	Y
Annex 2C 169.4-169.475 MHz J	Y	N	Y	N	N	Y
Annex 3 - Wideband Data Transmission Systems						
Annex 3A 2400.0-2483.5 MHz ERC/DEC/(01)07	Y	Y	Y	Y	Y	Y
Annex 3B 5150-5250 MHz	Y	Y	Y	N	Y	Y
Annex 3C 5250-5350 MHz	Y	Y	Y	N	Y	Y
Annex 3D 5470-5725 MHz	Y	Y	Y	N	Y	N
Annex 3E 17.1–17.3 GHz	Y	N	Y	N	Y	N
Annex 4 - Railway Applications						
Annex 4A 2446-2454 MHz	Y	Y	Y	N	Y	Y
Annex 4B 27.095 MHz	Y	Y	Y	N	Y	Y
Annex 4C 4234 kHz	Y	N	N	N	N	U
Annex 4D1 4516 kHz	Y	N	N	N	N	Y
Annex 4D2 11.1 - 16.0 MHz	Y	N	N	N	N	U
Annex 5 - Road Transport and Traffic Telematics - RTTT						
Annex 5A 5795–5805 MHz	Y	Y	Y	N	Y	Y
Annex 5B 5805-5815 MHz	Y	N	Y	N	Y	Y
Annex 5C 63-64 GHz	Y	N	Y	N	Y	U
Annex 5D 76-77 GHz	Y	N	Y	N	Y	Y
Annex 6 - Radiodetermination applications						
Annex 6A 2400.0-2483.5 MHz ERC/DEC/(01)08	Y	Y	Y	N	Y	Y
Annex 6B 9200-9500 MHz	Y	Y	Y	N	N	Y
Annex 6C 9500-9975 MHz	Y	Y	Y	N	N	Y
Annex 6D 10.5-10.6 GHz	Y	Y	Y	U	Y	N
Annex 6E 13.4-14.0 GHz	Y	Y	Y	N	Y	Y
Annex 6F 24.05-24.25 GHz	Y	Y	Y	Y	Y	Y
Annex 6G 4.5 - 7.0 GHz	Y	N	N	N	N	U
Annex 6G 4.5 - 7.0 GHz Annex 6H 8.5 - 10.6 GHz	Y Y					
		N	N	N	N	U
Annex 6I 24.05 - 27.0 GHz	Y	N	N	N	N	U
Annex 6J 57 - 64 GHz	Y	N	N	N	N	U
Annex 6K 75 - 85 GHz	Y	N	N	N	N	U
Annex 6L 17.1 - 17.3 GHz	Y	N				N
Annex 7 - Alarms						
Annex 7A 868.6-868.7 MHz	Y	Y	Y	L	Y	Y
	Y Y	Y Y	Y Y Y	L N	Y Y	Y Y Y

Implementation Status	він	HRV	MKD	RUS	SRB	TUR
Annex 7 - Alarms - continued					-	
Annex 7D 869.200-869.250 MHz	Y	Y	Y	N	Y	Y
Annex 7E 869.300-869.400 MHz	Y	Y	Y	N	N	Y
Annex 7F 169.4750-169.4875 MHz } ECC/DEC/(05)02	Y	N	Y	N	N	Y
Annex 7G 169.5875-169.6000 MHz J ECC/DEC/(03)02	Y	N	Y	N	N	Y
Annex 8 - Model Control						
Annex 8A 26.995,27.045,27.095, 27.145,27.195 MHz	Y	Y	Y	L	Y	Y
Annex 8B 34.995-35.225 MHz	Y	Y	Y	N	Y	Y
Annex 8C 40.665,40.675 40.685, 40.695 MHz	Y	Y	Y	Y	Y	Y
Annex 9 - Inductive Applications						
Annex 9AA 9-59.750 kHz	Y	Y	Y	Y	Y	Y
Annex 9AB 59.750-60.250 kHz	Y	Y	Y	Y	Y	Y
Annex 9AC 60.250-70.000 kHz > ERC/DEC/(01)13	Y	Y	Y	Y	Y	Y
Annex 9B 70-119 kHz	Y	Y	Y	Y	Y	Y
Annex 9C 119-135 kHz	Y	Y	Y	Y	Y	Y
Annex 9C1 135-140 kHz	Y	Y	Y	N	Y	Y
Annex 9C2 140.0-148.5 kHz	Y	Y	Y	N	Y	Y
Annex 9D 6765-6795 kHz	Y	Y	Y	Y	Y	Y
Annex 9E 7400-8800 kHz ERC/DEC/(01)15	Y	Y	Y	Y	Y	Y
Annex 9F 13.553-13.567 MHz	Y	Y	Y	Y	Y	Y
Annex 9F1 13.553-13.567 MHz	Y	Y	Y	Y	Y	Y
Annex 9G 26.957-27.283 MHz ERC/DEC/(01)16	Y	Y	Y	Y	Y	Y
Annex 9H 10.200-11.000 MHz	Y	Y	Y	N	N	Y
Annex 9K 3155-3400 kHz	Y	Y	Y	N	N	Y
Annex 9L1 148.5 kHz - 5 MHz	Y	Y	Y	N	N	Y
Annex 9L2 5 - 30 MHz	Y	Y	Y	N	N	Y
Annex 9L3 400-600 kHz	Y	Y	Y	N	N	Y
Annex 10 - Radio Microphones and Assistive Listening Devices						
Annex 10A 29.7-47.0 MHz	Y	N	Y	L	Y	Y
Annex 10B 173.965-174.015 MHz	Y	N	Y	N	Y	Y
Annex 10C 863-865 MHz	Y	N	Y	N	Y	Y
Annex 10D 174-216 MHz	Y	N	Y	L	Y	Y
Annex 10E 470-862 MHz	Y	Y	Y	L	Y	Y
Annex 10F 1785-1795 MHz	Y	Y	Y	N	N	Y
Annex 10G 1795-1800 MHz	Y	N	Y	N	N	Y
Annex 10H1 169.4000-169.4750 MHz	Y	N	Y	N	N	Y
Annex 10H2 169.4875-169.5875 MHz \(\rightarrow \text{ECC/DEC/(05)02} \)	Y	N	Y	N	N	Y
Annex 10I 169.4-174.0 MHz	Y	N	Y	N	N	N
Annex 11 - Radio Frequency Identification Applications						
Annex 11A 2446-2454 MHz	Y	N	Y	N	Y	Y
Annex 11B1 865.0-865.6 MHz	Y	Y	N	N	N	Y
Annex 11B2 865.6-867.6 MHz	Y	Y	N	N	N	Y
Annex 11B3 867.6-868.0 MHz	Y	Y	N	N	N	Y
Annex 12 - Wireless Applications in Healthcare						
Annex 12A 402-405 MHz ERC/DEC/(01)17	Y	Y	Y	N	Y	Y
Annex 12A1 401-402 MHz	Y	N	Y	N	N	U
Annex 12A2 405-406 MHz	Y	N	Y	N	N	U
Annex 12B 9-315 kHz	Y	Y	Y	N	N	Y
Annex 12C 315-600 kHz	Y	Y	Y	N	N	Y
Annex 12D 30.0-37.5 MHz	Y	Y	Y	N	Y	Y
Annex 12E 12.5-20.0 MHz	Y	Y	Y	N	N	Y
Annex 13 - Wireless Audio Applications		-	-			-
Annex 13A 863-865 MHz ERC/DEC/(01)18	Y	Y	Y	N	Y	Y
Annex 13B 864.8-865.0 MHz	Y	N	Y	N	Y	Y
Annex 13C 1795-1800 MHz	Y	N	Y	N	Y	Y
Annex 13D 87.5-108.0 MHz	Y	Y	Y	N	N	Y
1 ming/1 13D 07.3 100.0 Mills	1	1	1	1.4	1.4	

Bright highlighted = new bands Highlighted yellow = not implemented

Edition of 4 November 2008

APPENDIX 2

List of relevant ECC/ERC Decisions, Recommendations and ETSI Standards

ECC/ERC Decisions

ECC/DEC/(05)02	On the use of the frequency band 169.4-169.8125 MHz
ECC/DEC/(04)01	Short Range Devices for detection of Avalanche Victims
ECC/DEC/(04)02	Non-specific Short Range Devices in the band 433.05-434.79 MHz
ECC/DEC(04)08	On the harmonised use of the 5 GHz frequency bands for the implementation of Wireless Access Systems including Radio Local Area Networks (WAS/RLANs)
ECC/DEC/(02)01	On the frequency bands to be designated for the coordinated introduction of Road Transport and Traffic Telematic Systems.
ERC/DEC(01)02	Non-specific Short Range Devices in 26.957-27.283 MHz
ERC/DEC(01)03	Non-specific Short Range Devices in 40.660-40.700 MHz
ERC/DEC(01)04	Non-specific Short Range Devices in 868.0-868.6 MHz, 868.7-869.2 MHz, 869.4-869.65 MHz, 869.7-870.0 MHz
ERC/DEC(01)07	Radio-LAN Short Range Devices in 2400-2483.5 MHz
ERC/DEC(01)08	Short Range Devices for Movement Detection and Alert in 2400-2483.5 MHz
ERC/DEC(01)09	Short Range Devices for Alarms in 868.6-868.7 MHz, 869.25-869.3 MHz, 869.65-869.7 MHz
ERC/DEC(01)10	Short Range Devices for Model control in 26.995, 27.045, 27.095, 27.145 and 27.195 MHz
ERC/DEC(01)11	Short Range Devices for Flying Model Control in 34.995-35.225 MHz
ERC/DEC(01)12	Short Range Devices for Model Control in 40.665, 40.675, 40.685 and 40.695 MHz
ERC/DEC(01)13	Short Range Devices for Inductive applications in 9-59.750 kHz, $59.750-60.250$ kHz, $60.250-70$ kHz, $70-119$ kHz and $119-135$ kHz
ERC/DEC(01)15	Short Range Devices for Inductive applications in 7400-8800 kHz
ERC/DEC(01)16	Short Range Devices for Inductive applications in 26.957-27.283 MHz
ERC/DEC(01)17	Short Range Devices for Medical Implants in 402-405 MHz
ERC/DEC(01)18	Short Range Devices for Wireless Audio in 863-865 MHz

ECC/ERC Reports

ECC Report 001	Compatibility between inductive LF and HF RFID transponder and other radio communications systems in the frequency ranges 135-148.5 kHz, 4.78-8.78 MHz and 11.56-15.56 MHz
ECC Report 007	Compatibility between inductive LF RFID systems and radio communications systems in the frequency range 135 - 148.5 kHz
ECC Report 011	Strategic Plans for the future use of the frequency bands 862-870 MHz and 2400-2483.5 MHz for Short Range Devices
ECC Report 012	Ultra Low Power Active Medical Implant systems (ULP-AMI)
ECC Report 013	Adjacent band compatibility between Short Range Devices and TETRA TAPS mobile services at 870 MHz
ECC Report 024	PLT, DSL, CABLE communications (Including CABLE TV), LANS and their effect on radio services
ECC Report 037	Compatibility of planned SRD applications in 863-870 MHz
ECC Report 040	Adjacent band compatibility between CDMA-PAMR mobile services and Short Range Devices below 870 MHz
ECC Report 055	Compatibility between existing and proposed SRDs and other radiocommunication applications in the 169.4-169.8 MHz frequency band. See supplementary excel spreadsheets in download
ECC Report 067	Compatibility study for generic limits for the emission levels of inductive SRDs below 30 MHz
ECC Report 073	Compatibility of SRD in the FM radio broadcasting band
ECC Report 081	The coexistence between Ultra Low Power - Animal Implant Devices (ULP-AID) operating in the frequency band 12.5-20 MHz and existing radiocommunication systems
ECC Report 092	Coexistence between Ultra Low Power Active Medical Implants devices (ULP-AMI) and existing radiocommunication systems and services in the frequency bands 401–402 MHz and 405–406 MHz
ECC Report 098	Studying the compatibility issues of the UIC EUROLOOP system with other systems in the frequency band 9.5 to 17.5 MHz
ERC Report 005	ERC Report on frequency bands for Low Power Devices
ERC Report 044	ERC Report on sharing inductive systems and radiocommunication systems in the band 9-135 kHz
ERC Report 047	ERC Report on compatibility fixed services and motion sensors at 10.5 GHz
ERC Report 063	ERC Report on radio microphone applications in the frequency range 1785-1800 MHz
ERC Report 067	Study of the Frequency sharing between HIPERLANs and MSS feeder links in the 5 GHz band
ERC Report 069	ERC Report on propagation model and interference range calculation for inductive systems in 10 kHz – 30 MHz
ERC Report 072	Compatibility studies related to the possible extension band for HIPERLANs at 5 GHz
ERC Report 074	ERC Report on RFID and the radioastronomy services at 13 MHz

ERC/REC 70-03 Appendix 2, Page 32

ERC Report 092	ERC Report on sharing inductive Short Range Devices and radio communication systems in 10.2-11 MHz
ERC Report 095	ERC Report on the use of 3155-3400 kHz for general inductive applications
ERC Report 096	ERC Report on the use of 290-300 kHz and 500-510 kHz for general inductive applications
ERC Report 098	ERC Report on compatibility of Short Range Devices at 900 MHz with adjacent services
ERC Report 109	Compatibility of Bluetooth with other existing and proposed radiocommunication systems in the 2.45 GHz frequency band

ETSI Standards including harmonised standards

ETSI standards consist of at least two parts, the last part will normally be harmonised under the R&TTE Directive. Further information can be found at http://europa.eu.int/comm/enterprise/rtte/harstand.htm

Generic standards

EN 300 220	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1000 MHz frequency range with power levels ranging up to 500 mW; Part 3: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive								
EN 300 330	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive								
EN 300 440	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive								
Specific standards									
EN 300 328	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using spread spectrum modulation techniques; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.								
EN 300 422	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wireless microphones in the 25 MHz to 3 GHz frequency range; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive								
EN 300 674	Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Road Transport and Traffic Telematics (RTTT); Technical characteristics and test methods for Dedicated Short Range Communication (DSRC) transmission equipment (500 kbit/s / 250 kbit/s) operating in the 5.8 GHz Industrial, Scientific and Medical (ISM) band								
EN 300 718	Electromagnetic compatibility and Radio spectrum matters (ERM); Avalanche Beacons; Transmitter-receiver systems; Part 3: Harmonized EN covering essential requirements of article 3.3e of the R&TTE Directive								
EN 300 761	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Automatic Vehicle Identification (AVI) for railways operating in the 2.45 GHz frequency range; Part 2: Harmonized standard covering essential requirements under article 3.2 of the R&TTE Directive								
EN 301 091	Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Road Transport and Traffic Telematics (RTTT); Technical characteristics and test methods for radar equipment operating in the 76 GHz to 77 GHz band								
EN 301 357	Electromagnetic compatibility and Radio spectrum Matters (ERM); Analogue cordless wideband audio devices using integral antennas operating in the CEPT recommended 863 MHz to 865 MHz frequency range; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive								

Electromagnetic compatibility and Radio Spectrum Matters (ERM); Digital radio microphones operating in the EN 301 840 CEPT Harmonized band 1 785 MHz to 1 800 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE

covering essential requirements of article 3.2 of the R&TTE Directive

Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio equipment in the frequency range 402 MHz to 405 MHz for Ultra Low Power Active Medical Implants and Accessories; Part 2: Harmonized EN

Directive

EN 301 893 Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive

Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio equipment in the frequency range 9 kHz to 315 kHz for Ultra Low Power Active Medical Implants (ULP-AMI) and accessories; Part 1: Technical characteristics and test methods

Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive

EN 301 839

ERC/REC 70-03 Appendix 2, Page 34

EN 302 291	Close Range Inductive Data Communication equipment operating at 13.56 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive
EN 302 372	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Equipment for Detection and Movement; Tanks Level Probing Radar (TLPR) operating in the frequency bands 5.8 GHz, 10 GHz, 25 GHz, 61 GHz and 77 GHz
EN 302 537	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Ultra Low Power Medical Data Service Systems operating in the frequency range 401 MHz to 402 MHz and 405 MHz to 406 MHz
ES 200 674	Electromagnetic compatibility and Radio spectrum Matters (ERM); Road Transport and Traffic Telematics (RTTT); Part 1: Technical characteristics and test methods for High Data Rate (HDR) data transmission equipment operating in the 5.8 GHz Industrial, Scientific and Medical (ISM) band

List of relevant EC Decisions

Decision	Title	

Annex	Country	Restriction	Reason/remark
All Annexes			
	France	France does not recognise the former marking CEPT SRD Aa Y and CEPT RLAN Y recommended by T/R 01-04 and T/R 10-01 respectively. The free circulation and use of products bearing these old markings must then be confined to existing equipments and to countries which have already adopted these markings. The marking CEPT SRD Aa Y proposed by ERC/REC 70-03 will not be recognised in France. In any case in France marking issues are in line with the R&TTE Directive.	
	Germany		Clarification of the terms contained in the table reference to the German Telecommunications Act of 22 June 2004: The use of frequencies or frequency bands for the operation of transmitting equipment requires "frequency assignment". There are two types of frequency assignments: individual frequency assignments are granted upon application and correspond to "individual license required" within the meaning of CEPT/ERC/REC 70-03; general frequency assignments are granted ex officio by administrative act, published in the Federal Network Agency's Official Gazette and correspond to "individual license not required" within the meaning of CEPT/ERC/REC 70-03.
	Lithuania		The radio frequencies may be used without an individual authorization in case the relevant radio frequency or radio frequencies band is included in the List of Radio Frequencies/Channels, which may be used without an Individual Authorisation, approved by Order No. 1V-27 of the Director of the Communications Regulatory Authority of March 2003 (Official Gazette Valstybes zinios, Nr.30-1277, 2003 Radio equipment must conform to the requirements of the List.
	Moldova	Telecommunication equipment and cables are imported commercialized only on basis of conformity certificates issued by the Telecommunication Products Certification Body of Moldova and must be marked in Moldova. It is not permitted to utilise non-certificated and non-marked telecommunication equipment and cables. Subject to the above all SRD frequency bands with technical parameters indicated in ERC REC 70-03 are permitted on secondary basis.	In accordance with Law of Telecommunications of Republic of Moldova.
	Russian Federation	In accordance with the current National Frequency Allocation Table, different communication services, including special applications operate in frequency bands designated for SRD applications. All radiocommunication systems require individual license and authorization for using certain radio frequencies, which is granted after conformity assessment procedures. All types of radio equipment requires national approval based on the national standard system (GOST) and issue of conformity certificate. Only equipment with national mark can be placed on the market in Russia.	
	Turkey		The short range and low powered devices under the scope of SRD Ordinance (enter into force 17 March 2007) can be used without any need to get the certificate, use permit and frequency registers o condition that they shall meet the determined conditions and be in accordance with the technical regulations specifications accepted b The Authority

Appendix 3 – National Restrictions

Annex	Country	Restriction	Reason/remark
Annex 1 Band A			
Non Specific Sho	ort Range Devices		
	Russian Federation	No info	
Annex 1 Band C			
	ort Range Devices		
26.957-27.283 M			
	United Kingdom	Only 26.995, 27.045, 27.095, 27.145,	Restriction to protect CB. The UK is reviewing its position on
		27.195 MHz @10 kHz, e.r.p. 1 mW	this
Annex 1 Band E			
Non Specific Sho	ort Range Devices		
138.20-138.45 M	Hz		
	Belgium	Not implemented	
	Croatia	Not implemented	
	Finland	Audio and voice not allowed	
	France	Not implemented	Exclusive defence systems
	Germany	Not implemented	Defence systems
	Hungary	Not implemented	Aeronautical mobile applications operate in the band
	Ireland	Not implemented	Planned; Notification in progress
	Italy Latvia	Not implemented Not implemented	Defence systems
	Liechtenstein	Not implemented	
	Poland	Not implemented	Defence systems
	Portugal	Not implemented	Defence systems Defence systems
	Russian Federation	No info	Defence systems
	Slovak Republic	Not implemented	Defence systems
	Slovenia	Not implemented	Not available
	Spain	Not implemented	Not implemented due to lack of demand
	Sweden	Not implemented	
	Switzerland	Not implemented	Exclusive defence systems
	The Netherlands	Not implemented	Exclusive defence systems
	Turkey	Not implemented	Defence systems
	United Kingdom	Not implemented	Not implemented due to lack of demand. Implementation under consideration
Annex 1 Band F			
Non Specific Sho	ort Range Devices		
433.050-434.790	MHz		
	Finland	Audio and voice not allowed	
	France	No duty cycle limits	Conformity with ERC REC 70-03 in progress
		Voice applications allowed	
	Hungary	Voice and audio applications are excluded	
	Italy	Limited to 433.05-433.575 MHz for audio signals with 12.5 or 25 kHz channel spacing.	Defence systems
	Liochtanatair	Audio and voice signals not allowed	
	Liechtenstein	Audio and voice applications not allowed	
	Luxembourg Russian Federation	No audio and no voice Limited implementation	433.075-434.790 MHz. Possible use of low power stations and
	Switzerland	Audio and voice applications not allowed	devices for processing of bar-codes
Annex 1 Band F	1		
Non Specific She 433.050-434.790	ort Range Devices MHz		
	Finland	Audio and voice not allowed	
	France	No duty cycle limits voice applications	Conformity with ERC REC 70-03 in progress allowed
	Hungary	Voice and audio applications are excluded	2
	Liechtenstein	Audio and voice applications not allowed	
	Luxembourg	No audio and no voice	
	-		
	Russian Federation	No info	

	Country	Restriction	Reason/remark
Annex 1 Band	F2		
Non Specific 434.040-434.7	Short Range Devices 190 MHz		
	Finland	Audio and voice signals not allowed	
	France	No duty cycle limits Voice applications	Conformity with ERC REC 70-03 in progress allowed
	Hungary	Voice and audio applications are excluded	
	Liechtenstein	Audio and voice applications not allowed	
	Luxembourg	No audio and no voice	
	Russian Federation	No info	
	Switzerland	Audio and voice applications not allowed	
Annex 1 Band	\boldsymbol{G}		
	Short Range Devices		
863-870 MHz	Z Austria	Not implemented	Planned
		Not implemented Not implemented	riainieu
	Belgium France	Not implemented Not implemented	
	Greece	Limited	to 863-865 MHz
	Hungary	Voice and audio applications are excluded	10 000-000 IVIIIZ
	Italy	Not implemented	
	Latvia	Not implemented	
	Lithuania	Not implemented	
	Norway	Not implemented	
	Russian Federation	No info	
	Serbia & Montenegro	Not implemented	
	Slovak Republic	Not implemented	Under study
	Spain Spain	Not implemented	Fixed Service
	Sweden	Not implemented	rixed Service
	The Netherlands	Not implemented	Under study
	United Kingdom	Not implemented	Implementation under consideration
		Not implemented	implementation under consideration
Non Specific	Short Range Devices		
	Short Range Devices	No info	
Non Specific 868.000-868.0	Short Range Devices 500 MHz Russian Federation	No info	
Non Specific 868.000-868.0 Annex 1 Band	Short Range Devices 500 MHz Russian Federation	No info	
Non Specific 868.000-868.0 Annex 1 Band	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz		
Non Specific 868.000-868.0 Annex 1 Band Non Specific	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices	No info	
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation		
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation		
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices		
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band Non Specific	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices 550 MHz Italy		Defence systems
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band Non Specific	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices 550 MHz	No info	Defence systems
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band Non Specific 869.400-869.0	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices 550 MHz Italy Russian Federation	No info Max 25 mW e.r.p.	Defence systems
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band Non Specific 869.400-869.0	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices 550 MHz Italy Russian Federation G4 Short Range Devices	No info Max 25 mW e.r.p.	Defence systems
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band Non Specific 869.400-869.0 Annex 1 Band Non Specific	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices 550 MHz Italy Russian Federation G4 Short Range Devices	No info Max 25 mW e.r.p.	Defence systems
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band Non Specific 869.400-869.0 Annex 1 Band Non Specific	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices 650 MHz Italy Russian Federation G4 Short Range Devices 000 MHz Finland	No info Max 25 mW e.r.p. No info Audio not allowed	Defence systems
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band Non Specific 869.400-869.0 Annex 1 Band Non Specific	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices 550 MHz Italy Russian Federation G4 Short Range Devices 000 MHz	No info Max 25 mW e.r.p. No info	Defence systems
Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band Non Specific 869.400-869.6 Annex 1 Band Non Specific	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices 550 MHz Italy Russian Federation G4 Short Range Devices 000 MHz Finland Hungary Russian Federation	No info Max 25 mW e.r.p. No info Audio not allowed Audio applications are excluded	Defence systems
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band Non Specific 869.400-869.0 Annex 1 Band Non Specific 869.700-870.0 Annex 1 Band Non Specific 869.700-870.0	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices 650 MHz Italy Russian Federation G4 Short Range Devices 000 MHz Finland Hungary Russian Federation H Short Range Devices	No info Max 25 mW e.r.p. No info Audio not allowed Audio applications are excluded	Defence systems
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band Non Specific 869.400-869.0 Annex 1 Band Non Specific 869.700-870.0	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices 650 MHz Italy Russian Federation G4 Short Range Devices 000 MHz Finland Hungary Russian Federation H Short Range Devices	No info Max 25 mW e.r.p. No info Audio not allowed Audio applications are excluded No info	
Non Specific 868.000-868.0 Annex 1 Band Non Specific 868.700-869.2 Annex 1 Band Non Specific 869.400-869.0 Annex 1 Band Non Specific 869.700-870.0 Annex 1 Band Non Specific 869.700-870.0	Short Range Devices 600 MHz Russian Federation G2 Short Range Devices 200 MHz Russian Federation G3 Short Range Devices 650 MHz Italy Russian Federation G4 Short Range Devices 000 MHz Finland Hungary Russian Federation H Short Range Devices 6 MHz	No info Max 25 mW e.r.p. No info Audio not allowed Audio applications are excluded	Defence systems This subsection does not apply for the geographical area within a radius of 20 km from the centre of Ny-Ålesund

Annex	Country	Restriction	Reason/remark
Annex 1 Band Non Specific	I Short Range Devices		
5725-5875 M	Hz	No. in Co.	
	Russian Federation	No info	
	Short Range Devices		
24.00-24.25	GHz France	Power limited to 0.1 mW e.i.r.p.in frequency band 24.10 - 24.15 GHz	Military Radiolocation use. Operation by police forces of Radar Speed Meters
	Russian Federation United Kingdom	No info Only 24.150-24.250 GHz	To protect police speedmeters. Only used for movement sensing
Annex 1 Band		,	1 1 1
	Short Range Devices		
01.0-01.5 011	Croatia France	Not implemented Not implemented	
	Russian Federation Slovak Republic	No info Not implemented	Standard not yet available
	Sweden United Kingdom	Not implemented Not implemented	Not implementation due to lack of demand. Implementation under consideration
4 10 1	7		•
Annex 1 Band Non Specific 122-123 GHz	Short Range Devices		
122-125 G112	Croatia	Not implemented	
	France	Not implemented	
	Ireland	Not implemented	Planned; Notification in progress
	Russian Federation	No info	
	Serbia & Montenegro	Not implemented	
	Slovak Republic	Not implemented	Standard not yet available
	Sweden	Not implemented	Under study
	United Kingdom	Not implemented	Not implementation due to lack of demand. Implementation under consideration
Annex 1 Band	M		
Non Specific 244-246 GHz	Short Range Devices		
	Short Range Devices	Not implemented	
	Short Range Devices	Not implemented	
	Short Range Devices Croatia	<u> </u>	Planned; Notification in progress
	Short Range Devices Croatia France	Not implemented	Planned; Notification in progress
	Short Range Devices Croatia France Ireland	Not implemented Not implemented	Planned; Notification in progress
	Croatia France Ireland Russian Federation	Not implemented Not implemented No info	Planned; Notification in progress Standard not yet available
	Croatia France Ireland Russian Federation Serbia & Montenegro	Not implemented Not implemented No info Not implemented	
	Croatia France Ireland Russian Federation Serbia & Montenegro Slovak Republic	Not implemented Not implemented No info Not implemented Not implemented	Standard not yet available
244-246 GHz Annex 2 Band	Croatia France Ireland Russian Federation Serbia & Montenegro Slovak Republic Sweden United Kingdom	Not implemented Not implemented No info Not implemented Not implemented Not implemented Not implemented Not implemented	Standard not yet available Under study Not implementation due to lack of demand.
244-246 GHz Annex 2 Band	Croatia France Ireland Russian Federation Serbia & Montenegro Slovak Republic Sweden United Kingdom	Not implemented Not implemented No info Not implemented Not implemented Not implemented Not implemented Not implemented	Standard not yet available Under study Not implementation due to lack of demand.
244-246 GHz Annex 2 Band Tracking, Tr	Croatia France Ireland Russian Federation Serbia & Montenegro Slovak Republic Sweden United Kingdom	Not implemented Not implemented No info Not implemented Not implemented Not implemented Not implemented Not implemented	Standard not yet available Under study Not implementation due to lack of demand.

Not implemented No info Not implemented No info No info No info Not implemented Limited Implemented Not implemented Ation No info Not implemented Implemented Not implemented	Cyprus has implemented Decision 2005/928/EC PMR band Planned Planned; Notification in progress Under study Maximum radiated power = 10 mW Implemented 169.4-169.425 MHz for meter reading
Not implemented No info Not implemented No info No info No info Not implemented Limited Implemented Not implemented Not implemented Limited Implemented Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented	Cyprus has implemented Decision 2005/928/EC PMR band Planned Planned; Notification in progress Under study Maximum radiated power = 10 mW
Not implemented No info Not implemented No info No info No info Not implemented Limited Implemented Not implemented Not implemented Limited Implemented Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented	Cyprus has implemented Decision 2005/928/EC PMR band Planned Planned; Notification in progress Under study Maximum radiated power = 10 mW
No info Not implemented No imfo No info No info Not implemented Limited Implemented Not implemented Not implemented Limited Implemented Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented	Cyprus has implemented Decision 2005/928/EC PMR band Planned Planned; Notification in progress Under study Maximum radiated power = 10 mW
No info Not implemented No imfo No info No info Not implemented Limited Implemented Not implemented Not implemented Limited Implemented Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented	Cyprus has implemented Decision 2005/928/EC PMR band Planned Planned; Notification in progress Under study Maximum radiated power = 10 mW
Not implemented No imfo No info No info Not implemented Limited Implemented Not implemented Not implemented Limited Implemented Not implemented Not implemented Not implemented Not implemented Not implemented	PMR band Planned Planned; Notification in progress Under study Maximum radiated power = 10 mW
Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info No info Not implemented Limited Implemented Not implemented	PMR band Planned Planned; Notification in progress Under study Maximum radiated power = 10 mW
Not implemented Not implemented Not implemented Not implemented Not implemented No info No info No info Not implemented Limited Implemented Not implemented	PMR band Planned Planned; Notification in progress Under study Maximum radiated power = 10 mW
Not implemented Not implemented Not implemented Not implemented No info No info Not implemented Limited Implemented Not implemented	PMR band Planned Planned; Notification in progress Under study Maximum radiated power = 10 mW
Not implemented Not implemented Not implemented No info No info Not implemented Limited Implemented Not implemented No info No info	Planned; Notification in progress Under study Maximum radiated power = 10 mW
Not implemented No info No info Not implemented Limited Implemented Not implemented Not implemented Not implemented Not implemented No info No info Not implemented	Under study Maximum radiated power = 10 mW
No info No info No info Not implemented Limited Implemented Not implemented ation No info tenegro No info Not implemented	Under study Maximum radiated power = 10 mW
No info Not implemented Limited Implemented Not implemented ation No info tenegro No info Not implemented	Maximum radiated power = 10 mW
Not implemented Limited Implemented Not implemented ation No info tenegro No info Not implemented	Maximum radiated power = 10 mW
Limited Implemented Not implemented ation No info tenegro No imfo Not implemented	Maximum radiated power = 10 mW
Implemented Not implemented ation No info tenegro No info Not implemented	•
Not implemented ation No info tenegro No info Not implemented	Implemented 169.4-169.425 MHz for meter reading
ation No info tenegro No info Not implemented	
tenegro No info Not implemented	
Not implemented	
•	
ds Implemented	Under study
	channel spacing 12.5 kHz
cquisition	
*	Planned
•	
•	
•	Cyprus has implemented Decision 2005/928/EC
	PMR band
_	Planned
•	DI LAY CO. C.
•	Planned; Notification in progress
	XX 1 4 1
	Under study
-	Implemented 169.425-169.475 MHz for asset tracking and tracing
_	
*	Under study
ds Implemented	channel spacing 12.5 kHz
1	Not implemented No info Not implemented No implemented No info No info No info Not implemented Implemented No info Not implemented Implemented No info Not implemented Implemented No info Not implemented Implemented Implemented Implemented Implemented Implemented Implemented

Annex	Country	Restriction	Reason/remark
Annex 3 Band	В		
Wideband Da 5150-5250 MI	ata Transmission system Hz	ms	
	Italy		General authorization required if used outside own premises
	Luxembourg	Implemented	General authorization required for network and service supply
	Russian Federation	No info	
Annex 3 Band	\boldsymbol{C}		
	ta Transmission system	ms	
5250-5350 MI	H z Italy		General authorization required if used outside own premises
	Luxembourg	Implemented	General authorization required for network and service supply
	Russian Federation	No info	General authorization required for network and service suppry
Annex 3 Band	D		
Wideband Da	- nta Transmission system	ms	
5470-5725 MI			Delevent manifeles for the involve of the CDFS
	France		Relevant+ provisions for the implementation of DFS mechanism described in ETSI standard EN 301 893 V1.3.1 and subsequent
			versions
	Italy		General authorization required if used outside own premises
	Luxembourg	Implemented	General authorization required for network and service supply
	Russian Federation	No info	
	Turkey	Not implemented	Defence systems
Annex 3 Band	\boldsymbol{E}		
Wideband Da 17.1-17.3 GHz	nta Transmission system	ms	
17.1-17.5 GH	Belgium	Not implemented	
	Croatia	Not implemented	
	Czech Republic	Not implemented	Under study, other services in the band
	Cyprus	Not implemented	3,
	France	Not implemented	
	Germany	Not implemented	Equipment/Standard not yet developed
	Hungary	Planned	No equipment and standards are available
	Italy	1	General authorization required if used outside own premises
	Luxembourg	Not implemented	outlette authorization required it used outlete on it premises
	Norway	Not implemented	
	Romania	Not implemented	
	Russian Federation	No info	
	Slovak Republic	Not implemented	Standard not yet available
	Slovenia	Not implemented	Not available
	Spain	Not implemented	Defence systems
	Sweden	Not implemented Not implemented	Detence systems
	Turkey	Not implemented Not implemented	
	United Kingdom	Not implemented Not implemented	
Annex 4 Band		*	
	ications		
Railway appli			No railways
Railway appli 2446-2454 MI		Not applicable	
	Cyprus	Not applicable Not implemented	1vo failways
	Cyprus Italy	Not implemented	·
	Cyprus Italy Malta	Not implemented Not implemented	Service not applicable to Malta
	Cyprus Italy	Not implemented	·
	Cyprus Italy Malta	Not implemented Not implemented	Service not applicable to Malta Given center frequencies
	Cyprus Italy Malta Norway	Not implemented Not implemented Limited	Service not applicable to Malta Given center frequencies
	Cyprus Italy Malta Norway Russian Federation Slovak Republic	Not implemented Not implemented Limited No info Not implemented	Service not applicable to Malta Given center frequencies 2447.0, 2448.5, 2450.0, 2451.5 and 2453.0 MHz Under study
	Cyprus Italy Malta Norway Russian Federation	Not implemented Not implemented Limited No info	Service not applicable to Malta Given center frequencies 2447.0, 2448.5, 2450.0, 2451.5 and 2453.0 MHz

Annov	Country	Restriction	Reason/remark
Annex	Country	Nesti iction	ACASOH/1 CHIAI K
Annex 4 Band	В		
Railway appl			
27.095 MHz			
	Cyprus	Not applicable	No railways
	Ireland	Limited implementation	Max mean e.i.r.p. density is limited to 10mW/MHz in any 1 MHz band, as per Commission Decision 2007/90/EC
	Malta	Not implemented	Service not applicable to Malta
	Russian Federation	No info	Service not applicable to Maria
	Sweden	Not implemented	27.115 MHz used as provided in EU legislation
4 4 D 1	C		
Annex 4 Band			
Railway appl 4234 kHz	ications		
4234 KIIZ	Austria	Not implemented	Planned
	Belgium	No info	1 familie
	Bulgaria	Not implemented	Planned
	Croatia	Not implemented	1.44.11.04
	Cyprus	Not applicable	
	Czech Republic	Not implemented	Under study
	Estonia	Not implemented	Under study
	France	Not implemented	,
	Greece	Not implemented	
	Hungary	Not implemented	Planned
	Iceland	Not implemented	Under study
	Ireland	Not implemented	Planned; Notification in progress
	Italy	No info	• •
	Latvia	No info	
	Lithuania	No info	
	Luxembourg	No info	
	Malta	Not implemented	Service not applicable to Malta
	Norway	Not implemented	
	Portugal	No info	
	Romania	Not implemented	
	Russian Federation	No info	
	Slovak Republic	No info	
	Slovenia	Not implemented	Not available
	Spain	Not implemented	Not implemented due to lack of demand
	Sweden	No info	
	The Netherlands	Not implemented	Under study
	Turkey	Under study	Planned 2009
	United Kingdom	No info	
Annex 4 Band	D1		
Railway appl			
4516 kHz			
	Austria	Not implemented	Planned
	Belgium	No info	
	Bulgaria	Not implemented	Planned
	Croatia	Not implemented	
	Cyprus	Not applicable	
	Estonia	Not implemented	Under study
	France	Not implemented	
	Greece	Not implemented	
	Hungary	Not implemented	4515 kHz is allocated
	Iceland	Not implemented	Under study
	Italy	No info	
	Latvia	No info	
	Lithuania	No info	
	Luxembourg	No info	
	Malta	Not implemented	Service not applicable to Malta
	Norway	Not implemented	4515 kHz is allocated
	Portugal	No info	

Annex	Country	Restriction	Reason/remark
	Romania	Not implemented	
	Russian Federation	No info	
	Slovak Republic	No info	
	Slovenia	Not implemented	Planned: 4515 is allocated
	Spain	Not implemented	Not implemented due to lack of demand
	The Netherlands	Not implemented	4515 kHz implemented
	United Kingdom	No info	
Annex 4 Band D2			
Railway applicat	tions		
11.1-16.0 MHz	Austria	Not implemented	Planned
	Belgium	No info	
	Bulgaria	Not implemented	Planned
	Croatia	Not implemented	
	Cyprus	Not applicable	
	Czech Republic	Not implemented	Under study
	Estonia	Not implemented	Under study
	France	Not implemented	
	Greece	Not implemented	
	Hungary	Not implemented	Planned
	Iceland	Not implemented	Under study
	Ireland	Not implemented	Planned; Notification in progress
	Italy	No info	
	Latvia	No info	
	Liechtenstein	Not implemented	Under study
	Lithuania	No info	
	Luxembourg	No info	
	Malta	Not implemented	Service not applicable to Malta
	Norway	Not implemented	•
	Portugal	No info	
	Romania	Not implemented	
	Russian Federation	No info	
	Slovak Republic	No info	
	Slovenia	Not implemented	Not available
	Spain	Not implemented	Not implemented due to lack of demand
	Sweden	No info	•
	Switzerland	Not implemented	Under study
	The Netherlands	Not implemented	Under study
	Turkey	Under study	Planned 2009
	United Kingdom	No info	
Annex 5 Band A RTTT			
5795-5805 MHz			
	France	Limited to automatic toll collection. Power limited to 2 W e.i.r.p.	Military Radiolocation and Meteorological use
	Ireland	Limited implementation	8W system not implemented
	Liechtenstein	Power limited to 2 W e.i.r.p.	Annex has two levels. Lower level is implemented
	Malta	Limited implementation	Power limited to 2 W e.i.r.p. as per the lower limit of the Annex
	Norway	Limited implementation	Individual license required
	Romania	Not implemented	Under study
	Russian Federation	No info	•
	Switzerland	Power limited to 2 W e.i.r.p.	Annex has two levels. Lower level is implemented to protect defence systems
	United Kingdom	Only 2 W permitted	Annex has two levels– the UK has only implemented the lower
	Jimea IImgaom	· · · · · · · · · · · · · · · ·	level to protect programme making video links

Annex	Country	Restriction	Reason/remark
Annex 5 Band B			
RTTT			
5805-5815 MHz			
	Croatia	Not implemented	Individual license required
	France	Not implemented	
	Ireland	Limited implementation	8W system not implemented
	Liechtenstein	Power limited to 2 W e.i.r.p. For road toll systems only	Annex has two levels. Lower level is implemented
	Malta	Limited implementation	Power limited to 2 W e.i.r.p. as per the lower limit of the Annex
	Norway	Limited implementation	Individual license required
	Romania	Not implemented	Under study
	Russian Federation	No info	
	Switzerland	Power limited to 2 W e.i.r.p.	Annex has two levels. Lower level is implemented
		For road toll systems only	
	United Kingdom	Only 2 W permitted	Annex has two levels – the UK has only implemented the lower level to protect programme making video links
Annex 5 Band C			1 1 5
RTTT			
63-64 GHz			
US-U4 GAZ	Constin	Not involved to	Times and and
	Croatia	Not implemented	License required
	Estonia	Power limited to 2 W e.i.r.p	
	Germany	Not implemented	Equipment/standard not yet developed
	France	Not implemented	
	Liechtenstein	Not implemented	Under study. No standard available
	Poland	Not implemented	Equipment/standard not yet developed
	Romania	Not implemented	
	Russian Federation	No info	
	Slovak Republic	Not implemented	Standard not yet available
	Sweden	Not implemented	Equipment/standard not available
	Switzerland	Not implemented	Under study. No standard available
	Turkey	Under study	Planned 2009
	·	•	
Annex 5 Band D			
RTTT			
76-77 GHz			
	Croatia	Not implemented	
	Russian Federation	No info	
Annex 6 Band A			
Radiodeterminat	tion applications		
2400.0-2483.5 M			
	France	Outdoor use limited to 10 mW e.i.r.p.	Military Radiolocation use. Refarming of the 2.4 GHz band has
	Trailed	within the band 2454-2483.5 MHz.	been ongoing in recent years to allow current relaxed regulation. Full implementation planned 2012
	Russian Federation	No info	1 an imprementation prainted 2012
	Spain Spain	Not implemented	Not implemented due to lack of demand
	Spain	Not implemented	Not implemented due to lack of demand
Annex 6 Band B			
Radiodeterminat	tion applications		
9200-9500 MHz	Einland	Not implemented	
	Finland	Not implemented	
	France	Not implemented	
	Italy	Not implemented	Defence systems
	Russian Federation	No info	
	Serbia & Montenegro	Not implemented	
	Spain	Not implemented	Defence systems
	Sweden	Not implemented	
	United Kingdom	Limited implementation – may be used for Radar	European use of 10 GHz for movement sensing and alert is fragmented.
		Level Gauges on a licence per site basis only	The UK has an allocation at 10.577-10.597 GHz for these devices

	Country	Restriction	Reason/remark
Annex 6 Band C			
Radiodeterminati 9500-9975 MHz	ion applications		
9300-9973 WIIIZ	France	Limited to 9.88-9.92 with max e.i.r.p. 50 mW	
	Germany	Not implemented	Defence systems
	Latvia	Not implemented	Under study
	Russian Federation	No info	Chack stady
	Serbia & Montenegro	Not implemented	
	Slovak Republic	Not implemented	Defence systems
	Spain Spain	Not implemented	Defence systems Defence systems
	Sweden	Not implemented	Defence systems
	United Kingdom	Limited implementation - may be used for Radar Level Gauges on a license	
		per site basis only	
Annex 6 Band D			
Radiodeterminati	ion applications		
	Austria	Not implemented	Fixed Service
	Czech Republic	Not implemented	Other service in the band
	Estonia	Not implemented	FWA
	Finland	Not implemented	10.45-10.50 GHz available
	France	Limited to 10.57-10.61 with max e.i.r.p. 20 m	W
	Germany	Not implemented	ENG/OB video links equipment
	Hungary	e.i.r.p. 25 mW. ENG/OB systems are protecte	* *
	Ireland	Limited implementation	Max power limitation of 25 mW to protect Fixed Wireless Acc
			Local Area Service operating in the 10.5 GHz band
	Luxembourg	Limited to 25 mW	Reason: To avoid interference with other services
	Russian Federation	Not implemented	Under study
	Slovak Republic	Not implemented	Fixed Service
	Spain	Not implemented	Not implemented due to lack of demand
	Sweden	Limited to 10.51-10.58 GHz	
	Turkey	Not implemented	Fixed Service and radiolocation
	United Kingdom	Limited to 10.577-10.597 GHz. May be used for Radar Level Gauges on a license per site basis only	The UK is developing Point to Point and Point to Area services in the band below 10.575 GHz
Annex 6 Band E		•	
Radiodeterminati 13.4-14.0 GHz	ion applications		
	France	Not implemented	
	Russian Federation	No info	
	Spain	Not implemented	Not implemented due to lack of demand
	Spain Sweden	Not implemented Not implemented	Not implemented due to lack of demand
Radiodeterminati	Sweden	*	Not implemented due to lack of demand
Annex 6 Band F Radiodeterminati 24.05-24.25 GHz	Sweden ion applications	Not implemented	
Radiodeterminati	ion applications France	*	Not implemented due to lack of demand forces of Radar Speed Meters.
Radiodeterminati	Sweden ion applications	No restriction for fixed applications. Power limited otherwise to 0.1 mW e.i.r.p. in frequency band 24.10 - 24.15 GHz. Alternatively for FMCW modulation, the following conditions are also allowed: power limited to 20 mW (+13 dBm) mean e.i.r.p. and 50 mW (+17 dBm) peak e.i.r.p. with a minimum frequency sweep speed of 5 MHz per millisecond. 1. T alor 2. T be p mull 3. T sho	

Annex	Country	Restriction	Reason/remark
	United Kingdom	Limited	To protect police speedmeters devices operating in 24.05-24.15 GHz must employ a 2 MHz/mS minimum sweep rate
Annex 6 Band	1 G		
Radiodetern 4.5-7.0 GHz	nination applications		
4.6 7.0 G11Z	Austria	Not implemented	Under study
	Belgium	No info	•
	Bulgaria	Not implemented	Planned
	Croatia	Not implemented	
	Czech Republic	Not implemented	Planned 2008
	Estonia	Not implemented	Under study
	France	Not implemented	Planned
	Greece	Not implemented	
	Hungary	Not implemented	Planned
	Iceland	Not implemented	Under study
	Ireland	Not implemented	Planned; Notification in progress
	Italy	No info	
	Latvia	No info	
	Lithuania	No info	
	Malta	Not implemented	
	Norway	Not implemented	
	Portugal	No info	
	Romania	Not implemented	
	Russian Federation	No info	
	Slovak Republic	No info	
	Spain Spain	Not implemented	Defence systems
	The Netherlands	Not implemented Not implemented	Under study
		•	Planned 2009
	Turkey	Under study No info	Planned 2009
4 (P	United Kingdom	NO IIIIO	
<i>Annex 6 Band</i> Radiodetern	<i>t H</i> nination applications		
8.5-10.6 GH			
	Austria	Not implemented	Under study
	Belgium	No info	
	Bulgaria	Not implemented	Planned
	Croatia	Not implemented	71 1000
	Czech Republic	Not implemented	Planned 2008
	Estonia	Not implemented	Under study
	France Greece	Not implemented Not implemented	Planned
	Hungary	Not implemented Not implemented	Planned
	Iceland	Not implemented	Under study
	Ireland	Not implemented	Planned; Notification in progress
	Italy	No info	Tamou, Tourisanon in progress
	Latvia	No info	
	Lithuania	No info	
	Malta	Not implemented	
	Norway	Not implemented	
	Portugal	No info	
	Romania	Not implemented	
	Russian Federation	No info	
	Slovak Republic	No info	
	Spain	Not implemented	Not implemented due to lack of demand
	The Netherlands	Not implemented	Under study
	Turkey	Under study	Planned 2009
	United Kingdom	No info	

Annex	Country	Restriction	Reason/remark
Annex 6 Band	11		
	nination applications		
24.05-27.0 G			
	Austria	Not implemented	Under study
	Belgium	No info	
	Bulgaria	Not implemented	Planned
	Croatia	Not implemented	
	Czech Republic	Not implemented	Planned 2008
	Estonia	Not implemented	Under study
	France	Not implemented	Planned
	Greece	Not implemented	
	Hungary	Not implemented	Planned
	Iceland	Not implemented	Under study
	Ireland	Not implemented	Planned; Notification in progress
	Italy	No info	
	Latvia	No info	
	Lithuania	No info	
	Malta	Not implemented	
	Norway	Not implemented	
	Romania	Not implemented	
	Russian Federation	No info	
	Slovak Republic	No info	niJ
	Slovenia	Not implemented	Planned
	Spain The North color de	Not implemented	Not implemented due to lack of demand
	The Netherlands	Not implemented	Under study
	Turkey United Kingdom	Under study No info	Planned 2009
	011110111111111111111111111111111111111		
4 (D			
Annex 6 Band	l J		
Radiodetern			
Radiodetern	I J nination applications	Not implemented	Under study
Radiodetern	I J nination applications Austria	Not implemented No info	Under study
Radiodetern	Austria Belgium	No info	Under study Planned
Radiodetern	I J nination applications Austria	No info Not implemented	·
Radiodetern	Austria Belgium Bulgaria Croatia	No info Not implemented Not implemented	Planned
Radiodetern	Austria Belgium Bulgaria	No info Not implemented Not implemented Not implemented Not implemented	·
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic	No info Not implemented Not implemented	Planned Planned 2008
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia	No info Not implemented Not implemented Not implemented Not implemented Not implemented	Planned Planned 2008 Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece	No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented	Planned Planned 2008 Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France	No info Not implemented	Planned Planned 2008 Under study Planned
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary	No info Not implemented	Planned Planned 2008 Under study Planned Planned
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland	No info Not implemented	Planned Planned 2008 Under study Planned Planned Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Ireland	No info Not implemented	Planned Planned 2008 Under study Planned Planned Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Ireland Italy	No info Not implemented	Planned Planned 2008 Under study Planned Planned Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Ireland Italy Latvia	No info Not implemented No info	Planned Planned 2008 Under study Planned Planned Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Ireland Italy Latvia Lithuania	No info Not implemented No info No info No info	Planned Planned 2008 Under study Planned Planned Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Ireland Italy Latvia Lithuania Malta	No info Not implemented No info No info No info No info No info	Planned Planned 2008 Under study Planned Planned Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Italy Latvia Lithuania Malta Norway	No info Not implemented No info No info No info No info Not implemented Not implemented	Planned Planned 2008 Under study Planned Planned Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Ireland Italy Latvia Lithuania Malta Norway Portugal	No info Not implemented Not imfo No info No info No info Not implemented Not implemented Not implemented	Planned Planned 2008 Under study Planned Planned Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Ireland Italy Latvia Lithuania Malta Norway Portugal Romania	No info Not implemented Not imfo No info No info No info No info Not implemented	Planned Planned 2008 Under study Planned Planned Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Ireland Italy Latvia Lithuania Malta Norway Portugal Romania Russian Federation	No info Not implemented Not info No info No info No info Not implemented No info Not implemented No info Not implemented No info	Planned Planned 2008 Under study Planned Planned Under study
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Ireland Italy Latvia Lithuania Malta Norway Portugal Romania Russian Federation Slovak Republic	No info Not implemented Not imfo No info No info No info No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info Not implemented No info	Planned Planned 2008 Under study Planned Planned Under study Planned; Notification in progress
	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Ireland Italy Latvia Lithuania Malta Norway Portugal Romania Russian Federation Slovak Republic Slovenia	No info Not implemented Not info No info No info No info Not implemented Not implemented Not implemented Not implemented Not implemented No info Not implemented	Planned Planned 2008 Under study Planned Planned Under study Planned; Notification in progress
Radiodetern	Austria Belgium Bulgaria Croatia Czech Republic Estonia France Greece Hungary Iceland Ireland Italy Latvia Lithuania Malta Norway Portugal Romania Russian Federation Slovak Republic Slovenia Spain	No info Not implemented Not info No info No info No info Not implemented	Planned Planned 2008 Under study Planned Planned Under study Planned; Notification in progress Planned; Notification in progress

Annex	Country	Restriction	Reason/remark
Annex 6 Band	l K		
	ination applications		
75-85 GHz	imation applications		
	Austria	Not implemented	Under study
	Belgium	No info	
	Bulgaria	Not implemented	Planned
	Croatia Czech Republic	Not implemented Not implemented	Planned 2008
	Estonia	Not implemented	Under study
	France	Not implemented	Planned
	Greece	Not implemented	N. I
	Hungary Iceland	Not implemented No info	Planned
	Ireland	Not implemented	Planned; Notification in progress
	Italy	No info	Timined, Nontreason in progress
	Latvia	No info	
	Lithuania	No info	
	Malta	Not implemented	
	Norway Portugal	Not implemented No info	
	Romania	Not implemented	
	Russian Federation	No info	
	Slovak Republic	No info	
	Slovenia	Not implemented	Planned
	Spain The Netherlands	Not implemented Not implemented	Not implemented due to lack of demand Under study
	Turkey	Under study	Planned 2009
	United Kingdom	No info	
	Austria	Not implemented	
	Austria	Not implemented	
	Belgium	No info	
	Belgium Bulgaria	No info Not implemented	Planned
	Belgium Bulgaria Croatia	No info Not implemented Not implemented	Planned
	Belgium Bulgaria Croatia Cyprus	No info Not implemented Not implemented Not implemented	
	Belgium Bulgaria Croatia Cyprus Czech Republic	No info Not implemented Not implemented Not implemented Not implemented Not implemented	Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia	No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented	
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland	No info Not implemented No info	Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France	No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info	Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece	No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info Not implemented	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France	No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info	Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary	No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info Not implemented Not implemented Not implemented	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland	No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info Not implemented Not implemented Not implemented Not implemented	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland	No info Not implemented Not implemented Not implemented Not implemented Not implemented No info No info Not implemented Not implemented Not implemented Not implemented Not implemented No info Not implemented	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Italy	No info Not implemented Not implemented Not implemented Not implemented Not implemented No info No info Not implemented Not implemented Not implemented Not implemented Not implemented No info Not implemented No info	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia	No info Not implemented Not implemented Not implemented Not implemented No implemented No info No info Not implemented Not implemented Not implemented Not implemented No info Not implemented No info Not implemented No info Not implemented No info No info No info No info Not implemented	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta	No info Not implemented Not implemented Not implemented Not implemented Not implemented No info No info Not implemented Not implemented Not implemented Not implemented No info Not implemented No info Not implemented No info No info No info No info No info Not implemented Not implemented	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta Norway	No info Not implemented Not implemented Not implemented Not implemented Not implemented No imfo No info No info Not implemented No info Not implemented No info Not implemented No info Not implemented No info No info No info No info Not implemented Not implemented Not implemented	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta Norway Poland	No info Not implemented Not implemented Not implemented Not implemented Not implemented No imfo No info No info Not implemented No info Not implemented No info Not implemented No info Not implemented No info No info No info Not implemented No info Not implemented	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta Norway Poland Portugal	No info Not implemented Not implemented Not implemented Not implemented Not implemented No imfo No info No info Not implemented No info Not implemented No info Not implemented No info Not implemented No info No info No info Not implemented No info Not implemented No info	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta Norway Poland Portugal Romania	No info Not implemented Not implemented Not implemented Not implemented Not implemented No imfo No info No info Not implemented No info Not implemented No info Not implemented No info No info No info No info No info No info Not implemented No info Not implemented No info Not implemented No info	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta Norway Poland Portugal Romania Russian Federation	No info Not implemented Not implemented Not implemented Not implemented Not implemented No imfo No info No info Not implemented No info Not implemented No info Not implemented No info No info No info No info Not implemented Not implemented No info Not implemented No info Not implemented Not implemented Not implemented No info No info	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta Norway Poland Portugal Romania Russian Federation Serbia & Montenegro	No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info No info Not implemented No info Not implemented No info No info No info No info No info Not implemented No info No info No info No info No info	Under study Under study
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta Norway Poland Portugal Romania Russian Federation Serbia & Montenegro Slovak Republic	No info Not implemented Not implemented Not implemented Not implemented Not implemented No imfo No info No info Not implemented No info Not implemented No info Not implemented No info No info No info No info Not implemented No info Not implemented Not implemented No info Not implemented No info Not implemented No info Not implemented No info	Under study Under study Planned
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta Norway Poland Portugal Romania Russian Federation Serbia & Montenegro Slovak Republic	No info Not implemented Not implemented Not implemented Not implemented Not implemented No imfo No info No info Not implemented No info Not implemented No info Not implemented No info No info No info Not implemented No info	Under study Under study Planned
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta Norway Poland Portugal Romania Russian Federation Serbia & Montenegro Slovak Republic Slovenia Spain	No info Not implemented Not implemented Not implemented Not implemented Not implemented No imfo No info No info Not implemented No info Not implemented No info Not implemented No info No info Not implemented No info Not implemented Not implemented	Under study Under study Planned Planned Defence systems
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta Norway Poland Portugal Romania Russian Federation Serbia & Montenegro Slovak Republic Slovenia Spain	No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info No info Not implemented No info Not implemented No info No info No info No info No info Not implemented No info No info Not implemented No info Not implemented Not implemented Not implemented License required and location coordination	Under study Under study Planned Planned Plenned Defence systems Other service with primary status in this band
	Belgium Bulgaria Croatia Cyprus Czech Republic Estonia Finland France Greece Hungary Iceland Ireland Italy Latvia Lithuania Luxembourg Malta Norway Poland Portugal Romania Russian Federation Serbia & Montenegro Slovak Republic Slovenia Spain	No info Not implemented Not implemented Not implemented Not implemented Not implemented No imfo No info No info Not implemented No info Not implemented No info Not implemented No info No info Not implemented No info Not implemented Not implemented	Under study Under study Planned Planned Defence systems

Annex	Country	Restriction	Reason/remark
Annex 7 Band	\boldsymbol{A}		
Alarms			
868.600-868.7	700 MHz		
	France	Duty cycle limited to 0.1%	
	Russian Federation	Limited implementation	868-868.2 MHz
	United Kingdom	Duty cycle limit 0.1%	UK will be altering its regulations to align with new 70-03
			level of 1%
Annex 7 Band	В		
Alarms	000 MII		
869.250-869.3		N. C	
	Russian Federation	No info	
Annex 7 Band	C		
Alarms			
869.650-869.7	'00 MHz		
	Russian Federation	No info	
	Slovak Republic	Max 10 mW e.r.p.	Defence systems
Annex 7 Band	D		
Alarms			
869.200-869.2	250 MHz		
	Russian Federation	No info	
Annex 7 Band	E		
	E		
Alarms			
869.300-869.4			
(1 echnical parame	ters have been changed) Czech Republic		Intended for all non energific CDD
	France	Not implemented	Intended for all non-specific SRD
	Greece	Not implemented	
	Italy	Not implemented	
	Latvia	Not implemented	
	Lithuania	Not implemented	
	Russian Federation	No info	
	Serbia & Montenegro	Not implemented	
	Slovenia	Not implemented	
	Sioveina		Planned
	Sweden	Not implemented	Planned
Anney 7 Rand	Sweden	Not implemented	Planned
	Sweden	Not implemented	Planned
Annex 7 Band Alarms 169.4750-169	Sweden F	Not implemented	Planned
Alarms	Sweden F	•	Planned
Alarms	Sweden F 4875 MHz	Not implemented	
Alarms	Sweden F 4875 MHz Austria	•	
Alarms	Sweden F 4875 MHz Austria Bulgaria	Not implemented Not implemented	
Alarms	Sweden F 4875 MHz Austria Bulgaria Croatia	Not implemented Not implemented Not implemented	Planned
Alarms	Sweden F .4875 MHz Austria Bulgaria Croatia Cyprus	Not implemented	Planned Cyprus has implemented Decision 2005/928/EC
Alarms	Sweden F 4875 MHz Austria Bulgaria Croatia Cyprus Denmark France Greece	Not implemented	Planned Cyprus has implemented Decision 2005/928/EC PMR band
Alarms	Sweden F 4875 MHz Austria Bulgaria Croatia Cyprus Denmark France	Not implemented	Planned Cyprus has implemented Decision 2005/928/EC PMR band
Alarms	Sweden F 4875 MHz Austria Bulgaria Croatia Cyprus Denmark France Greece	Not implemented	Planned Cyprus has implemented Decision 2005/928/EC PMR band Planned
Alarms	Sweden F 4875 MHz Austria Bulgaria Croatia Cyprus Denmark France Greece Italy Latvia Liechtenstein	Not implemented Limited implementation	Planned Cyprus has implemented Decision 2005/928/EC PMR band Planned A paging system is active in the adjacent channel
Alarms	Sweden F 4875 MHz Austria Bulgaria Croatia Cyprus Denmark France Greece Italy Latvia Liechtenstein Norway	Not implemented Limited implementation Limited implementation	Planned Cyprus has implemented Decision 2005/928/EC PMR band Planned A paging system is active in the adjacent channel Restriction 169.481250 MHz. Given center frequency
	Sweden F 4875 MHz Austria Bulgaria Croatia Cyprus Denmark France Greece Italy Latvia Liechtenstein Norway Poland	Not implemented Limited implementation Limited implementation Implemented	Planned Cyprus has implemented Decision 2005/928/EC PMR band Planned A paging system is active in the adjacent channel
Alarms	Sweden F 4875 MHz Austria Bulgaria Croatia Cyprus Denmark France Greece Italy Latvia Liechtenstein Norway Poland Russian Federation	Not implemented Limited implementation Limited implementation Limplemented No info	Planned Cyprus has implemented Decision 2005/928/EC PMR band Planned A paging system is active in the adjacent channel Restriction 169.481250 MHz. Given center frequency
Alarms	Sweden F 4875 MHz Austria Bulgaria Croatia Cyprus Denmark France Greece Italy Latvia Liechtenstein Norway Poland	Not implemented Limited implementation Limited implementation Implemented	Planned Cyprus has implemented Decision 2005/928/EC PMR band Planned A paging system is active in the adjacent channel Restriction 169.481250 MHz. Given center frequency

Annex	Country	Restriction	Reason/remark
Annex 7 Band	G		
Alarms	-		
169.5875-169.	.6000 MHz		
	Austria	Not implemented	Planned
	Bulgaria	Not implemented	1 familieu
	Croatia	Not implemented	
	Cyprus	Not implemented	Cyprus has implemented Decision 2005/928/EC
	Denmark	Not implemented	PMR band
	France	Not implemented	Planned
	Greece	Not implemented	1 mined
	Iceland	Not Implemented	Planned
	Italy	Not implemented	1 Idillicu
	Latvia	Not implemented	
	Norway	Limited implementation	Restriction 169.593750 MHz. Given center frequency
	Poland	Implemented	Social alarms
	Portugal	Not implemented	Land Mobile
	Russian Federation	No info	Land Woolle
	Serbia & Montenegro	Not implemented	
	Switzerland	Geographical restriction	Another system is active in a part of Switzerland
	OWITZGITATIO	Geographical restriction	2 modici system is active in a part of switzerland
	Russian Federation	Limited implementation	26.957-27.283 MHz Power limited to 10 mW, channel spacing 50 kHz
Annex 8 Band	B		
Model Contr	ol		
34.995-35.225	5 MHz		
	France	Under study	Dedicated networks for Ministry of transport.
	Germany	Limited to 35.005-35.205 MHz	Emergency services
	Norway	Limited implementation	Given center frequencies (35.000-35.010-35.020 MHz etc.)
	· · · · · · · · · · · · · · · · · · ·	Limited implementation No info	Given center frequencies (35.000-35.010-35.020 MHz etc.)
	Norway		Given center frequencies (35.000-35.010-35.020 MHz etc.) Limited to 35.030-35.200 MHz
Annex 9 Band	Norway Russian Federation Spain	No info	•
	Norway Russian Federation Spain	No info	•
Inductive app	Norway Russian Federation Spain AB plications	No info	•
	Norway Russian Federation Spain AB plications 0 kHz	No info	Limited to 35.030-35.200 MHz
Inductive app 59.750-60.250	Norway Russian Federation Spain AB plications 0 kHz Spain	No info Limited	•
Inductive app 59.750-60.250 Annex 9 Band	Norway Russian Federation Spain AB plications 0 kHz Spain	No info Limited	Limited to 35.030-35.200 MHz
Inductive apples 59.750-60.250 Annex 9 Band Inductive apples	Norway Russian Federation Spain AB plications 0 kHz Spain AC plications	No info Limited	Limited to 35.030-35.200 MHz
Inductive app 59.750-60.250 Annex 9 Band	Norway Russian Federation Spain AB plications 0 kHz Spain AC oplications 00 kHz	No info Limited	Limited to 35.030-35.200 MHz
Inductive app 59.750-60.250 Annex 9 Band Inductive ap 60.250-70.00	Norway Russian Federation Spain AB plications 0 kHz Spain AC pplications 0 kHz Spain	No info Limited No restriction	Limited to 35.030-35.200 MHz Magnetic field 72 dBμA/m at 10 m
Inductive apy 59.750-60.250 Annex 9 Band Inductive ap 60.250-70.00 Annex 9 Band	Norway Russian Federation Spain AB plications 0 kHz Spain AC pplications 0 kHz Spain	No info Limited No restriction	Limited to 35.030-35.200 MHz Magnetic field 72 dBμA/m at 10 m
Inductive app 59.750-60.250 Annex 9 Band Inductive ap 60.250-70.00	Norway Russian Federation Spain AB plications 0 kHz Spain AC pplications 00 kHz Spain C pplications 00 kHz Spain	No info Limited No restriction	Limited to 35.030-35.200 MHz Magnetic field 72 dBμA/m at 10 m
Annex 9 Band Inductive ap 60.250-70.00 Annex 9 Band Inductive ap	Norway Russian Federation Spain AB plications 0 kHz Spain AC pplications 00 kHz Spain C pplications 00 kHz Spain	No info Limited No restriction No restriction	Limited to 35.030-35.200 MHz Magnetic field 72 dBμA/m at 10 m Magnetic field 72 dBμA/m at 10 m
Inductive apy 59.750-60.250 Annex 9 Band Inductive ap 60.250-70.00 Annex 9 Band Inductive ap	Norway Russian Federation Spain AB plications 0 kHz Spain AC pplications 00 kHz Spain C pplications 00 kHz Spain	No info Limited No restriction	Limited to 35.030-35.200 MHz Magnetic field 72 dBμA/m at 10 m Magnetic field 72 dBμA/m at 10 m Applications within the Fixed Service field strength is

Annex	Country	Restriction	Reason/remark
Annex 9 Band	C1		
Inductive app			
135-140 kHz	neations		
	Greece	Not implemented	
	Italy	Not implemented	Planned
	Latvia	Not implemented	
	Portugal	Not implemented	Defence systems
	Russian Federation	No info	
Annex 9 Band	C2		
Inductive app 140.0-148.5 k			
	Greece	Not implemented	
	Italy	Not implemented	Planned
	Latvia	Not implemented	
	Portugal	Not implemented	Defence systems
	Russian Federation	No info	•
	Spain	Not implemented	Not implemented due to lack of demand
Annex 9 Band	<u></u>		
Inductive ap			
7400-8800 kl	112		
7400-8800 KI		No restriction	Frequency band 7350-8800 kHz
7400-8800 KI	Spain		Frequency band 7350-8800 kHz
7400-8800 KI		No restriction In case of external antennas, only loop coil antennas may be employed	Frequency band 7350-8800 kHz
	Spain United Kingdom	In case of external antennas, only loop	Frequency band 7350-8800 kHz
Annex 9 Band	Spain United Kingdom	In case of external antennas, only loop	Frequency band 7350-8800 kHz
Annex 9 Band Inductive ap	Spain United Kingdom F1 plications	In case of external antennas, only loop	Frequency band 7350-8800 kHz
Annex 9 Band	Spain United Kingdom F1 plications 7 MHz	In case of external antennas, only loop coil antennas may be employed	Frequency band 7350-8800 kHz
Annex 9 Band Inductive ap	Spain United Kingdom F1 plications 7 MHz Belgium	In case of external antennas, only loop coil antennas may be employed Not implemented	Frequency band 7350-8800 kHz
Annex 9 Band Inductive ap	Spain United Kingdom F1 plications 7 MHz Belgium Latvia	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented	
Annex 9 Band Inductive ap	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented	Frequency band 7350-8800 kHz Under study
Annex 9 Band Inductive ap	Spain United Kingdom F1 plications 7 MHz Belgium Latvia	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented	
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented	
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive ap	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G blications	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented	
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 8 MHz	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented Not implemented	
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive ap	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G blications	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented	
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive app 26.957-27.283	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G blications 3 MHz United Kingdom	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop	
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive app 26.957-27.283	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 8 MHz United Kingdom H	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop	
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive app 26.957-27.283	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 3 MHz United Kingdom H plications	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop	
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive app 26.957-27.283 Annex 9 Band Inductive app	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 3 MHz United Kingdom H plications	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop	
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive app 26.957-27.283 Annex 9 Band Inductive app	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 3 MHz United Kingdom H plications 0 MHz	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop coil antennas may be employed Not implemented	Under study
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive ap 26.957-27.283 Annex 9 Band Inductive ap	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 3 MHz United Kingdom H plications 0 MHz Austria Belgium	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented	Under study
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive ap 26.957-27.283 Annex 9 Band Inductive ap	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 3 MHz United Kingdom H plications 0 MHz Austria	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented Not implemented	Under study
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive app 26.957-27.283 Annex 9 Band Inductive app	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 3 MHz United Kingdom H plications 0 MHz Austria Belgium Italy	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop coil antennas may be employed Not implemented	Under study Planned Planned
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive app 26.957-27.283 Annex 9 Band Inductive app	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 3 MHz United Kingdom H plications 0 MHz Austria Belgium Italy Latvia	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented Not implemented	Under study
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive app 26.957-27.283 Annex 9 Band Inductive app	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 3 MHz United Kingdom H plications 0 MHz Austria Belgium Italy Latvia Lithuania	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop coil antennas may be employed Not implemented	Under study Planned Planned
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive app 26.957-27.283 Annex 9 Band Inductive app	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 3 MHz United Kingdom H plications 0 MHz Austria Belgium Italy Latvia Lithuania Norway	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop coil antennas may be employed Not implemented	Under study Planned Planned Under study
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive app 26.957-27.283 Annex 9 Band Inductive app	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 3 MHz United Kingdom H plications 0 MHz Austria Belgium Italy Latvia Lithuania Norway Portugal	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop coil antennas may be employed Not implemented	Under study Planned Planned Under study
Annex 9 Band Inductive ap 13.553-13.56 Annex 9 Band Inductive app 26.957-27.283 Annex 9 Band Inductive app	Spain United Kingdom F1 plications 7 MHz Belgium Latvia Lithuania Norway G plications 3 MHz United Kingdom H plications 0 MHz Austria Belgium Italy Latvia Lithuania Norway Portugal Russian Federation	In case of external antennas, only loop coil antennas may be employed Not implemented Not implemented Not implemented Not implemented In case of external antennas, only loop coil antennas may be employed Not implemented	Under study Planned Planned Under study

Annex	Country	Restriction	Reason/remark
Annex 9 Band	u		
Inductive ap			
3155-3400 kH			
3133-3400 KF	1Z		
	Italy	Not implemented	Planned
	Latvia	Not implemented	
	Norway	Not implemented	
	Portugal	Not implemented	Defence systems
	Russian Federation	No info	
	Serbia & Montenegro	Not implemented	
	Spain	Not implemented	Not implemented due to lack of demand
Annex 9 Band	L1		
Inductive ap			
148.5 kHz-5			
	Austria	Limited to the band 148.5 – 1600 kHz	Extension to 5 MHz planned
	Belgium	No info	-
	Bulgaria	Limited	148.5-1600 kHz band is allocated
			1600-5000 kHz band is planned
	France	Not implemented	Planned
	Greece	Not implemented	
	Italy	No info	
	Ireland	Not implemented	Planned; Notification in progress
	Hungary	Limited	148.5-1600~kHz band is open / $1600-5000~kHz$ band is planned
	Latvia	No info	
	Lithuania	No info	Implemented 149.5 Life 1.6 MII-
	Poland	Limited	Implemented 148.5 kHz – 1.6. MHz
	Portugal Romania	Not implemented Not implemented	Defence systems
	Russian Federation	No info	
	Serbia & Montenegro	No info	
	Slovak Republic	No info	
	United Kingdom	Limited	Only 148.5-1600 kHz and 2000-5000 kHz permitted
			on, 1100 1000 mil and 2000 0000 mil permitte
Annex 9 Band			
Inductive ap 5-30 MHz	plications		
	Austria	Not implemented	Planned
	Belgium	No info	
	Bulgaria	Not implemented	Planned
	France	Not implemented	Planned
	Greece	Not implemented	
	Hungary	Not implemented	5000-30000 kHz band is planned
	Italy	No info	
	Ireland	Not implemented	Planned; Notification in progress
	Latvia	No info	
	Lithuania	No info	
	Poland	Not implemented	Defense quetame
	Portugal	Not implemented	Defence systems
	Romania	Not implemented	
	Russian Federation	No info	
	Carbia & Mantana	No info	
	Serbia & Montenegro Slovak Republic	No info No info	

Annex	Country	Restriction	Reason/remark
	T.0		
Annex 9 Band			
Inductive ap 400-600 kHz	_		
	Austria	Not implemented	Planned
	Belgium	No info	
	Denmark	Not implemented	Planned
	France	Not implemented	Planned
	Greece	Not implemented	
	Hungary	Not implemented	Planned
	Italy	No info	
	Ireland	Not implemented	Planned; Notification in progress
	Latvia	No info	
	Lithuania	No info	
	Norway	Not implemented	
	Poland	Not implemented	Defense quetomo
	Portugal	Not implemented	Defence systems
	Romania Russian Federation	Not implemented	
	Serbia & Montenegro	No info No info	
	Slovak Republic	No info	
	Spain Spain	Not implemented	Not implemented due to lack of demand
	Бриш	1 vot implemented	Not impremented due to lack of demand
Radio Microp	hones and Assistive List	ening Devices	only the frequencies 36.8, 36.85, 37.45, 37.50-37.55 MHz
Radio Microp	hones and Assistive List	_	only the frequencies 36.8, 36.85, 37.45, 37.50-37.55 MHz for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available
adio Microp	hones and Assistive List	Limited	
Radio Microp	hones and Assistive List Austria Croatia	Limited Not implemented	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available
Radio Microp	hones and Assistive List	Limited	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz
Radio Microp	hones and Assistive List Austria Croatia	Limited Not implemented	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. max 50 kHz
Radio Microp	hones and Assistive List Austria Croatia	Limited Not implemented	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz
adio Microp	hones and Assistive List Austria Croatia Czech Republic	Limited Not implemented Four sub-bands allowed	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz
Radio Microp	Austria Croatia Czech Republic Estonia	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile
Radio Microp	hones and Assistive List Austria Croatia Czech Republic	Limited Not implemented Four sub-bands allowed	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels
Radio Microp	Austria Croatia Czech Republic Estonia	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with
Radio Microp	Austria Croatia Czech Republic Estonia Finland	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels
Radio Microp	Austria Croatia Czech Republic Estonia Finland France	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited Limited	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels to 32.8, 36.4, 39.2 MHz 1 mW e.r.p. and 200 kHz to 32.4-38.2 MHz. Permitted channel spacing 10 kHz below
adio Microp	Austria Croatia Czech Republic Estonia Finland France Germany Greece	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited Limited Limited Limited	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels to 32.8, 36.4, 39.2 MHz 1 mW e.r.p. and 200 kHz to 32.4-38.2 MHz. Permitted channel spacing 10 kHz below 36 MHz and 40 kHz above 36 MHz to 30.00 MHz, 30.50 MHz, 31.00 MHz, 35.00 MHz, 36.50 MHz 36.70 MHz, 37.00 MHz, 37.10 MHz, 37.50 MHz
adio Microp	Austria Croatia Czech Republic Estonia Finland France Germany Greece Hungary	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited Limited Limited Limited Limited Limited	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels to 32.8, 36.4, 39.2 MHz 1 mW e.r.p. and 200 kHz to 32.4-38.2 MHz. Permitted channel spacing 10 kHz below 36 MHz and 40 kHz above 36 MHz to 30.00 MHz, 30.50 MHz, 31.00 MHz, 35.00 MHz, 36.50 MHz 36.70 MHz, 37.00 MHz, 37.10 MHz, 37.50 MHz 34.9-38.5 MHz band is allocated
adio Microp	Austria Croatia Czech Republic Estonia Finland France Germany Greece Hungary Ireland	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited Limited Limited Limited Limited Not implemented	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels to 32.8, 36.4, 39.2 MHz 1 mW e.r.p. and 200 kHz to 32.4-38.2 MHz. Permitted channel spacing 10 kHz below 36 MHz and 40 kHz above 36 MHz to 30.00 MHz, 30.50 MHz, 31.00 MHz, 35.00 MHz, 36.50 MHz 36.70 MHz, 37.00 MHz, 37.10 MHz, 37.50 MHz 34.9-38.5 MHz band is allocated Planned; Notification in progress
adio Microp	Austria Croatia Czech Republic Estonia Finland France Germany Greece Hungary Ireland Italy	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels to 32.8, 36.4, 39.2 MHz 1 mW e.r.p. and 200 kHz to 32.4-38.2 MHz. Permitted channel spacing 10 kHz below 36 MHz and 40 kHz above 36 MHz to 30.00 MHz, 30.50 MHz, 31.00 MHz, 35.00 MHz, 36.50 MHz 36.70 MHz, 37.00 MHz, 37.10 MHz, 37.50 MHz 34.9-38.5 MHz band is allocated
adio Microp	Austria Croatia Czech Republic Estonia Finland France Germany Greece Hungary Ireland Italy Latvia	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited Limited Limited Limited Limited Limited Not implemented Limited to 41-43.6 MHz Not implemented	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels to 32.8, 36.4, 39.2 MHz 1 mW e.r.p. and 200 kHz to 32.4-38.2 MHz. Permitted channel spacing 10 kHz below 36 MHz and 40 kHz above 36 MHz to 30.00 MHz, 30.50 MHz, 31.00 MHz, 35.00 MHz, 36.50 MHz 36.70 MHz, 37.00 MHz, 37.10 MHz, 37.50 MHz 34.9-38.5 MHz band is allocated Planned; Notification in progress Defence systems
Radio Microp	Austria Croatia Czech Republic Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Liechtenstein	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited Limited Limited Limited Limited Limited Not implemented Limited to 41-43.6 MHz Not implemented Limited to 41-43.6 MHz	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels to 32.8, 36.4, 39.2 MHz 1 mW e.r.p. and 200 kHz to 32.4-38.2 MHz. Permitted channel spacing 10 kHz below 36 MHz and 40 kHz above 36 MHz to 30.00 MHz, 30.50 MHz, 31.00 MHz, 35.00 MHz, 36.50 MF 36.70 MHz, 37.00 MHz, 37.10 MHz, 37.50 MHz 34.9-38.5 MHz band is allocated Planned; Notification in progress Defence systems
Radio Microp	Austria Croatia Czech Republic Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Liechtenstein Luxembourg	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited Limited Limited Limited Limited Limited Limited Not implemented Limited to 41-43.6 MHz Not implemented Limited Limited Limited	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels to 32.8, 36.4, 39.2 MHz 1 mW e.r.p. and 200 kHz to 32.4-38.2 MHz. Permitted channel spacing 10 kHz below 36 MHz and 40 kHz above 36 MHz to 30.00 MHz, 30.50 MHz, 31.00 MHz, 35.00 MHz, 36.50 MHz 36.70 MHz, 37.00 MHz, 37.10 MHz, 37.50 MHz 34.9-38.5 MHz band is allocated Planned; Notification in progress Defence systems to 31.4-39.6 MHz excluding the use of the band 34.995-35.225 MHz
Radio Microp	Austria Croatia Czech Republic Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Liechtenstein Luxembourg Malta	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited Limited Limited Limited Limited Limited Not implemented Limited to 41-43.6 MHz Not implemented Limited Limited Limited Limited	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels to 32.8, 36.4, 39.2 MHz 1 mW e.r.p. and 200 kHz to 32.4-38.2 MHz. Permitted channel spacing 10 kHz below 36 MHz and 40 kHz above 36 MHz to 30.00 MHz, 30.50 MHz, 31.00 MHz, 35.00 MHz, 36.50 MHz 36.70 MHz, 37.00 MHz, 37.10 MHz, 37.50 MHz 34.9-38.5 MHz band is allocated Planned; Notification in progress Defence systems to 31.4-39.6 MHz excluding the use of the band 34.995-35.225 MHz to 29.7-34.9 and 37.5-40.98 MHz
Radio Microp	Austria Croatia Czech Republic Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Liechtenstein Luxembourg	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited Limited Limited Limited Limited Limited Limited Not implemented Limited to 41-43.6 MHz Not implemented Limited Limited Limited	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels to 32.8, 36.4, 39.2 MHz 1 mW e.r.p. and 200 kHz to 32.4-38.2 MHz. Permitted channel spacing 10 kHz below 36 MHz and 40 kHz above 36 MHz to 30.00 MHz, 30.50 MHz, 31.00 MHz, 35.00 MHz, 36.50 MHz 36.70 MHz, 37.00 MHz, 37.10 MHz, 37.50 MHz 34.9-38.5 MHz band is allocated Planned; Notification in progress Defence systems to 31.4-39.6 MHz excluding the use of the band 34.995-35.225 MHz
Annex 10 Band Radio Microp 19.7-47.0 MHz	Austria Croatia Czech Republic Estonia Finland France Germany Greece Hungary Ireland Italy Latvia Liechtenstein Luxembourg Malta	Limited Not implemented Four sub-bands allowed Limited to 37.6-38.6 MHz Limited Limited Limited Limited Limited Limited Not implemented Limited to 41-43.6 MHz Not implemented Limited Limited Limited Limited	for narrow band and 36.7-37.1-44.55-45.0 MHz for broadband radio microphones are available 27.415-27.915 MHz 10 mW e.r.p. max 50 kHz 36.4-36.65 MHz 10 mW e.r.p. channel max 50 kHz 36.65-38 MHz 2 mW e.r.p. channel max 50 kHz 38-38.5 MHz 10 mW e.r.p. channel max 200 kHz Land mobile only 31.1, 32.1, 32.9, 33.5, 36.7, 37.1 and 42.4-43.6 MHz with max 200 kHz channels to 32.8, 36.4, 39.2 MHz 1 mW e.r.p. and 200 kHz to 32.4-38.2 MHz. Permitted channel spacing 10 kHz below 36 MHz and 40 kHz above 36 MHz to 30.00 MHz, 30.50 MHz, 31.00 MHz, 35.00 MHz, 36.50 MHz 36.70 MHz, 37.00 MHz, 37.10 MHz, 37.50 MHz 34.9-38.5 MHz band is allocated Planned; Notification in progress Defence systems to 31.4-39.6 MHz excluding the use of the band 34.995-35.225 MHz to 29.7-34.9 and 37.5-40.98 MHz

Annex	Country	Restriction	Reason/remark
	Russian Federation	Limited implementation	Hearing and speech training radio devices for persons with speech
			defects. Power limited to 10 mW. (z and 40.025-48.5 MHz: 5, 33.85, 33.875, 33.9, 34.05, 34.15, 34.175, 34.2, 34.3, 34.375, 34.4, 35.65, 35.95, 35.975, 36.025, 36.075, 36.125, 36.175, 36.225,
		36.275, 36.325, 36.375, 36.425, 36.475, 36.52 36.975, 37.025, 37.075, 37.125, 37.175, 37.22 37.675, 37.725, 37.775, 37.825, 37.875, 37.92 38.375, 38.425, 38.475, 38.525, 38.575, 38.60	25, 36.575, 36.625, 36.675, 36.725, 36.775, 36.825, 36.875, 36.925, 25, 37.275, 37.325, 37.375, 37.425, 37.475, 37.525, 37.575, 37.625, 25, 37.975, 38.025, 38.075, 38.125, 38.175, 38.225, 38.275, 38.325, 25, 38.675, 38.725, 38.775, 39.025, 39.225, 39.400, 39.6, 39.75, 0.325, 40.425, 40.65, 40.825, 41.3, 41.325, 41.35, 41.375, 41.4, 41.5
		41.6, 41.625, 41.65, 41.675, 41.7, 41.75, 41.8 42.525, 42.55, 42.575, 42.6, 42.625, 42.65, 42.43.175, 43.2, 43.225, 43.25, 43.4, 43.5, 43.7, 44.975, 45, 45.25, 45.45, 45.475, 45.5, 45.65,	3,41.9, 41.95, 42.1, 42.15, 42.2, 42.25, 42.35, 42.45, 42.475, 42.5, 2.675, 42.7, 42.725, 42.75, 42.8, 42.85, 42.95, 42.975, 43, 43.15, 43.725, 43.75, 43.8, 44, 44.25, 44.4, 475, 44.5, 44.65, 44.75, 45.75, 45.8, 45.95, 45.975, 46, 46.125, 46.175, 46.225, 46.425, .675, 46.7, 46.775, 46.8, 46.825, 46.85, 46.875, 46.925, 46.95,
		46.975, 47, 47.075, 47.125, 47.25 MHz	
	Slovak Republic	Limited to 27.75-27.9 and 36.4-38.5 MHz	Defence systems in the rest of the band
	Spain	Limited	to 31.500, 31.750, 37.850, 38.300 and 38.550 MHz
	Sweden	Limited to 41.0-43.6 MHz	Land Mobile
	Switzerland	Limited to 31.4-39.6 MHz	Main use by defence systems
	United Kingdom	Individual licence required	26 countries have restrictions here. Many could be removed if licensing was specified in the Annex
Annex 10 Ban	d B		
Radio Micro 173.965-174.	phones and Assistive Li	istening Devices	
173.903-174.	Austria	Not implemented	Planned
	Belgium	Not implemented	Trainieu
	Bulgaria	Limited implementation	Limited to 174.000-174.015 MHz
	Croatia	Not implemented	Ellined to 174.000-174.013 WHZ
	Denmark	Not implemented	PMR band
	Finland	Individual license require	PMR and broadcasting usage
		Regional restrictions	
	France	Not implemented	Governmental band
	Greece	Not implemented	
	Ireland	Not implemented	Planned; Notification in progress
	Liechtenstein	Not implemented	Occupied with mobile services
	Norway	Limited	to 173.8125, 173.8375, 173.8625, 173.8875, 173.9125, 173.9375 173.9625, 173.9875 MHz
	Poland	Not implemented	Government band
	Russian Federation	No info	
	Spain	Not implemented	Not implemented due to lack of demand
	Sweden	Not implemented	Land Mobile
	Switzerland	Not implemented	Closely occupied with mobile services
Annex 10 Ban Radio Micro	d C phones and Assistive Li	istening Devices	
863-865 MH	z	_	
	Croatia Ireland	Not implemented Implemented	Channel spacing of 200 kHz
	Russian Federation	No info	Chamber spacing of 200 Mill
Annex 10 Ban	d D phones and Assistive Li	istaning Davices	
174-216 MH	Z	_	
	Austria	Not implemented	Planned
	Croatia	Not implemented	
	Denmark	Limited implementation	
	Finland	Regional restrictions	
	France	175.5-178.5 and 183.5-186.5 MHz with 10 mW e.r.p. and 200 kHz channel spacing	
	Ireland	Not implemented	
	Latvia	Not implemented	Under study
	Malta	Not implemented	
	Norway	Not implemented	

Annex	Country	Restriction	Reason/remark
	Romania	Not implemented	
	Russian Federation	Limited implementation	174-230 MHz. Power limited to 5 mW
	Spain	<u>^</u>	, 179.300, 188.100, 188.500, 189.100, 191.900 and 194.500 MH
	The Netherlands	Implemented	License exempted
nnex 10 Ban	nd F		
	m L phones and Assistive Lis	toning Devices	
470-862 MH		tening Devices	
	Denmark	Limited	to 800.100-819.900 MHz
	Finland	Only 790.100-821.900 and 854-862 MHz	
		Individual licence required	
	France	Limited	to 470-830 MHz
	Germany	Subbands 608-614 MHz (TV ch 38) and	Radio Astronomy, defence systems
		814-838 MHz (TV ch 64-66) excluded	
	Greece	10 mW e.r.p.	Partly implemented 470-838 MHz
			Not implemented 838-862 MHz
	Ireland	Not implemented	
	Italy	Limited to 470-854 MHz	854-862 MHz is exclusive military band
	Latvia	Not implemented	Under study
	Malta	Limited	to 854-862 MHz
	Norway	Limited	to 800-820 MHz max 20 mW e.r.p.
	Romania	Not implemented	
	Russian Federation	Limited implementation	470-638 and 710-726 MHz. Power limited to 5 mW
	Spain	Not implemented	Only broadcasting TV in this band
	The Netherlands	Implemented	License exempted
	Ukraine	Individual license required	
	Austria Belgium	Limited No info	to the band 1785.7 - 1795 MHz
	Czech Republic	See remark	Individual license required
	France	Limited	Body worn equipment permitted with max 50 mW e.r.p.
			Power otherwise limited to 10 mW e.r.p.
	Italy	No info	
	Ireland	Not implemented	All island WAPECS licence in operation
	Latvia	No info	
	Lithuania	No info	
	Malta	Not implemented	Planned
	Romania	Not implemented	
	Russian Federation	No info	
	Serbia & Montenegro	No info	
	Slovak Republic	No info	
	Sweden	No info	
	The Netherlands	Implemented	max 50 mW e.r.p. Channel spacing 600 kHz
	United Kingdom	Limited	Band to be auctioned in Northern Ireland. Separate arrangemen
	<u> </u>		to be agreed for Great Britain
Annex 10 Ban	nd G		
	phones and Assistive Lis	stening Devices	
1795-1800 M	_	wining Devices	
	Austria	Limited	to the band 1795 - 1799.4 MHz
	Belgium	No info	
	Croatia	Not implemented	
	Czech Republic	See remark	Individual license required
	Finland	Not implemented	realist revenue required
	France	Limited	Body worn equipment permitted with max 50 mW e.r.p.
	1 Iulioc	Zimitou	Power otherwise limited to 10 mW e.r.p.
	Italy	No info	
	Ireland	Not implemented	All island WAPECS licence in operation
	Latvia	No info	
	Latvia Lithuania	No info No info	

Malta

Not implemented

Planned

Annex	Country	Restriction	Reason/remark
	Romania	Not implemented	
	Russian Federation	No info	
	Serbia & Montenegro	No info	
	Slovak Republic	No info	
	Sweden	No info	
	The Netherlands	Implemented	max 50 mW e.r.p. Channel spacing 600 kHz
	United Kingdom	Limited	Band to be auctioned in Northern Ireland. Separate arrangements
	omteu riniguom	Zimitou	to be agreed for Great Britain
Annex 10 Ban	nd H1		
Radio Micro 169.4000-169	ophones and Assistive Lis 9.4750 MHz	tening Devices	
	Austria	Not implemented	Planned
	Belgium	No info	
	Bulgaria	Not implemented	
	Croatia	Not implemented	
	Cyprus	Not implemented	Cyprus has implemented Decision 2005/928/EC
	Denmark	Not implemented	PMR band
	France	Not implemented	Planned
	Germany	Not implemented	Planned
	Greece	Not implemented	Tidilled
		No info	
	Italy Ireland		Dlannad: Natification in progress
		Not implemented	Planned; Notification in progress
	Latvia	No info	I. d C
	Liechtenstein	Shared with paging services	Interference from paging services possible
	Lithuania	No info	
	Romania	Not implemented	
	Russian Federation	No info	
	Serbia & Montenegro	No info	
	Slovak Republic	No info	
	Switzerland	Shared with paging services	Interference from paging services possible
Annex 10 Ban			
Radio Micro 169.4875-169	ophones and Assistive Lis 9.5875 MHz	tening Devices	
	Austria	Not implemented	Under study not available / PMR use
	Belgium	No info	•
	Bulgaria	Not implemented	
	Croatia	Not implemented	
	Cyprus	Not implemented	Cyprus has implemented Decision 2005/928/EC
	Denmark	Not implemented	PMR band
	France	Not implemented	Planned
			Flamed
	Greece	Not implemented	N I
	Iceland	Not implemented	Planned
	Ireland	Not implemented	Planned; Notification in progress
	Italy	No info	
	Latvia	No info	
	Liechtenstein	Shared with paging services	Interference from paging services possible
	Portugal	Not implemented	Land Mobile
	Romania	Not implemented	
	Russian Federation	No info	
	Serbia & Montenegro	No info	
	Slovak Republic	No info	
			T + C C : '11
	Switzerland	Shared with paging services/	Interference from paging services possible

Annex	Country	Restriction	Reason/remark
Annex 10 Band I			
Radio Microphon 169.4-174.0 MHz	es and Assistive Lis	stening Devices	
109.4-1/4.0 MITIZ	Austria	Not implemented	implementation depends on market demand
	Belgium	Not implemented Not implemented	implementation depends on market demand
	Bulgaria	Not implemented	
	Croatia	Not implemented	
	Cyprus	Not implemented	
	Czech Republic	Two parts of the band allowed above 169.5875 MHz	173.3 MHz 50 mW e.r.p. max 75 kHz 173.99 MHz 2 mW e.r.p. max 50 kHz. Other services in the rest of the band
	Finland	Not implemented	other services in the rest of the build
	France	Not implemented	
	Germany	No info	
	Greece	Not implemented	
	Hungary	Not planned	Governmental use in the band
	Iceland	No info	
	Ireland	Not implemented	
	Italy	No info	
	Latvia	No info	
	Liechtenstein	Not implemented	Occupied with mobile services
	Lithuania	No info	-
	Luxembourg	Not implemented	
	Malta	Not implemented	
	Norway	Not implemented	
	Poland	Not implemented	
	Portugal	Not implemented	Land Mobile
	Romania	Not implemented	
	Russian Federation	No info	
	Serbia & Montenegro	No info	
	Slovak Republic	No info	
	Slovenia	Not implemented	Planned
	Spain	Limited implementation	Channel plan for 169.4-169.8 MHz according ECC/DEC/(05)02
	Sweden	No info	
	Switzerland	Not implemented	Occupied with mobile services
	The Netherlands	Not implemented	Planned for end 2008
	Turkey United Kingdom	Not implemented	169.8-174.0 MHz band is used by PMR/PAMR
Annex 11 Band A RFID	Onice Kingdom	Implementation in 173.325-174.000 MHz	
2446-2454 MHz			
	Croatia	Not implemented	
	France	Max e.i.r.p. 500 mW	
	Italy	Not implemented	
	Latvia	Not implemented	
	Russian Federation	No info	
	Slovak Republic	Not implemented	Under study
	Sweden	Limited to 25 mW e.i.r.p.	Defence systems
Annex 11 Band B1 RFID 865.0-865.6 MHz			
JULIU JULIU MIIIL	Belgium	No info	
	France	No info	
	Italy	No info	
	Latvia	No info	
	Portugal	No info	
	Romania	Not implemented	
	Russian Federation	No info	
	Slovak Republic	No info	
	=	United Kingdom	No info

Annex	Country	Restriction		Reason/remark
Annex 11 Band B2				
RFID				
865.6-867.6 MHz				
005.0-007.0 WIIIZ	Belgium	No info		
	France	YES / Derogation		Power limited to 500 mW e.r.p. within defined zones around
	1141100	125 / Beloguion		certain military camps in France (see list of military camps with
				geographical coordinates in national radio interface specification)
	Italy	No info		
	Latvia	No info		
	Portugal	No info		
	Russian Federation	No info		
	Slovak Republic	No info No info		
	United Kingdom	NO IIIIO		
Annex 11 Band B3				
RFID				
867.6-868.0 MHz				
	Belgium	No info		
	France	No info		
	Italy	No info		
	Latvia	No info		
	Portugal	No info		
	Romania	Not implemented		
	Russian Federation	No info		
	a	No info		
	Slovak Republic	INO IIIIO		
	United Kingdom ions in Healthcare	No info		
	United Kingdom			
Wireless applicate 402-405 MHz	ions in Healthcare Russian Federation	No info		
Wireless applicate 402-405 MHz Annex 12 Band A1	ions in Healthcare Russian Federation	No info		
Wireless applicate 402-405 MHz Annex 12 Band A1	ions in Healthcare Russian Federation	No info		
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation	No info		Under study
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare	No info		Under study
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria	No info No info Not implemented		Under study
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia	No info No info Not implemented No info Not implemented Not implemented		Under study
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria	No info No info Not implemented No info Not implemented Not implemented Not implemented Not implemented	Planned 2008	Under study
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France	No info No info Not implemented No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented	Planned 2008	Planned
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece	No info No info Not implemented No info Not implemented	Planned 2008	Planned About to be implemented (info of June 2008)
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary	No info No info Not implemented No info Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland	No info No info Not implemented No info Not implemented	Planned 2008	Planned About to be implemented (info of June 2008)
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy	No info No info No info No info No info No implemented No implemented Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy Latvia	No info No info No info No info No implemented No implemented Not implemented No info No info	Planned 2008	Planned About to be implemented (info of June 2008) Planned Planned; Notification in progress
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy Latvia Liechtenstein	No info No info No info No info Not implemented No info No info Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned Planned; Notification in progress Planned to be implemented by 01.01.09
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy Latvia Liechtenstein Malta	No info No info No info No info No implemented No implemented Not implemented No info No info Not implemented Not implemented Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned Planned; Notification in progress
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy Latvia Liechtenstein Malta Norway	No info No info No info No info No implemented No implemented Not implemented No info No info Not implemented Not implemented Not implemented Not implemented Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned Planned; Notification in progress Planned to be implemented by 01.01.09
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy Latvia Liechtenstein Malta Norway Romania	No info No info No info No info No implemented No implemented Not implemented No info No info Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned Planned; Notification in progress Planned to be implemented by 01.01.09
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy Latvia Liechtenstein Malta Norway Romania Russian Federation	No info No info No info No info No info No implemented No implemented Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info No info Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned Planned; Notification in progress Planned to be implemented by 01.01.09
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy Latvia Liechtenstein Malta Norway Romania Russian Federation Serbia & Montenegro	No info No info No info No info No info No implemented No implemented Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info No info Not implemented Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned Planned; Notification in progress Planned to be implemented by 01.01.09 Planned
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy Latvia Liechtenstein Malta Norway Romania Russian Federation Serbia & Montenegro Slovak Republic	No info No info No info No info No info No implemented No implemented Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info Not implemented No info No info No info No info Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned Planned; Notification in progress Planned to be implemented by 01.01.09 Planned Under study
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy Latvia Liechtenstein Malta Norway Romania Russian Federation Serbia & Montenegro Slovak Republic Spain	No info No info No info No info No info No implemented No implemented Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info Not implemented No info No info No info Not implemented Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned Planned; Notification in progress Planned to be implemented by 01.01.09 Planned Under study Not implemented due to lack of demand
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy Latvia Liechtenstein Malta Norway Romania Russian Federation Serbia & Montenegro Slovak Republic Spain Switzerland	No info No info No info No info No info No implemented No implemented No implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned Planned; Notification in progress Planned to be implemented by 01.01.09 Planned Under study Not implemented due to lack of demand Planned to be implemented by 01.01.09
Wireless applicate 402-405 MHz Annex 12 Band A1 Wireless applicate	ions in Healthcare Russian Federation tions in Healthcare Austria Belgium Bulgaria Croatia Czech Republic France Greece Hungary Ireland Italy Latvia Liechtenstein Malta Norway Romania Russian Federation Serbia & Montenegro Slovak Republic Spain	No info No info No info No info No info No implemented No implemented Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info No info Not implemented No info No info No info Not implemented Not implemented	Planned 2008	Planned About to be implemented (info of June 2008) Planned Planned; Notification in progress Planned to be implemented by 01.01.09 Planned Under study Not implemented due to lack of demand

Annex	Country	Restriction	Reason/remark
Annex 12 Band	d A2		
	lications in Healthcare		
405-406 MHz			
	Austria	Not implemented	Under study
	Belgium	No info	·
	Bulgaria	Not implemented	Planned
	Croatia	Not implemented	
	Czech Republic	Not implemented	Planned 2008
	France	Not implemented	Planned
	Greece	Not implemented	About to be implemented (info of June 2008)
	Hungary	Not implemented	Planned
	Ireland	Not implemented	Planned; Notification in progress
	Italy	No info	
	Latvia Liechtenstein	No info	Planned to be implemented by 01 01 00
	Malta	Not implemented Not implemented	Planned to be implemented by 01.01.09 Planned
	Norway	Not implemented	1 idililed
	Romania	Not implemented	
	Russian Federation	No info	
	Serbia & Montenegro	No info	
	Slovak Republic	Not implemented	Under study
	Spain	Not implemented	Not implemented due to lack of demand
	Switzerland	Not implemented	Planned to be implemented by 01.01.09
	The Netherlands	Not implemented	Under study
	Turkey	Under study	Planned 2009
	United Kingdom	Not implemented	Full implementation planned
	lications in Healthcare	Not implemented	Planned
Wireless appl	Italy Latvia	Not implemented	
Wireless appl	Italy Latvia Portugal	Not implemented Limited	Planned Limited 9-135 kHz
Wireless appl	Italy Latvia Portugal Russian Federation	Not implemented Limited No info	
Wireless appl	Italy Latvia Portugal Russian Federation Serbia & Montenegro	Not implemented Limited	
Wireless appl	Italy Latvia Portugal Russian Federation	Not implemented Limited No info Not implemented	Limited 9-135 kHz
Wireless appl 9-315 kHz	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom	Not implemented Limited No info Not implemented Limited	Limited 9-135 kHz Limited 9-140 kHz
Wireless appl 9-315 kHz Annex 12 Band Wireless appl	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom	Not implemented Limited No info Not implemented Limited	Limited 9-135 kHz Limited 9-140 kHz
Wireless appl 9-315 kHz	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz	Limited 9-135 kHz Limited 9-140 kHz
Wireless appl 9-315 kHz Annex 12 Band Wireless appl	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare	Not implemented Limited No info Not implemented Limited	Limited 9-135 kHz Limited 9-140 kHz Full implementation planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz	Limited 9-135 kHz Limited 9-140 kHz Full implementation planned Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C Italy Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz Not implemented Not implemented	Limited 9-135 kHz Limited 9-140 kHz Full implementation planned Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C Italy Latvia France Italy Latvia Norway Russian Federation	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz Not implemented	Limited 9-135 kHz Limited 9-140 kHz Full implementation planned Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C Italy Latvia France Italy Latvia Norway	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented	Limited 9-135 kHz Limited 9-140 kHz Full implementation planned Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl 315-600 kHz	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz Not implemented	Limited 9-135 kHz Limited 9-140 kHz Full implementation planned Planned
Annex 12 Band Wireless appl 315-600 kHz	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz Not implemented	Limited 9-135 kHz Limited 9-140 kHz Full implementation planned Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl 315-600 kHz Annex 12 Band Wireless appli	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz Not implemented No info Not implemented	Limited 9-135 kHz Limited 9-140 kHz Full implementation planned Planned Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl 315-600 kHz Annex 12 Band Wireless appli	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info Not implemented	Limited 9-135 kHz Limited 9-140 kHz Full implementation planned Planned Planned
Annex 12 Band Wireless appl 315-600 kHz	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro d D cations in Healthcare Austria Czech Republic	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz Not implemented Not implemented Not implemented Not implemented Not implemented No info Not implemented Not implemented Not implemented	Limited 9-140 kHz Full implementation planned Planned Planned Under study
Annex 12 Band Wireless appl 315-600 kHz	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro d D cations in Healthcare Austria Czech Republic France	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz Not implemented Not implemented Not implemented Not implemented Not implemented No info Not implemented	Limited 9-140 kHz Full implementation planned Planned Planned Under study Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl 315-600 kHz Annex 12 Band Wireless appli	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro d D cations in Healthcare Austria Czech Republic	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz Not implemented Not implemented Not implemented Not implemented Not implemented No info Not implemented	Limited 9-140 kHz Full implementation planned Planned Planned Under study
Wireless appl 9-315 kHz Annex 12 Band Wireless appl 315-600 kHz Annex 12 Band Wireless appli	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro d D cations in Healthcare Austria Czech Republic France Italy	Not implemented Limited No info Not implemented Limited Limited to 9-185 kHz Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented No info Not implemented	Limited 9-140 kHz Full implementation planned Planned Planned Under study Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl 315-600 kHz Annex 12 Band Wireless appli	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro d D cations in Healthcare Austria Czech Republic France Italy Latvia	Not implemented Limited No info Not implemented Limited Limited to 9-185 kHz Not implemented	Limited 9-140 kHz Full implementation planned Planned Planned Under study Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl 315-600 kHz Annex 12 Band Wireless appli	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro d D cations in Healthcare Austria Czech Republic France Italy Latvia Liechtenstein	Not implemented Limited No info Not implemented Limited Limited to 9-185 kHz Not implemented	Limited 9-140 kHz Full implementation planned Planned Planned Under study Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl 315-600 kHz Annex 12 Band Wireless appli	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro d D cations in Healthcare Austria Czech Republic France Italy Latvia Liechtenstein Norway	Not implemented Limited No info Not implemented Limited Limited to 9-185 kHz Not implemented	Limited 9-140 kHz Full implementation planned Planned Planned Under study Planned Planned Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl 315-600 kHz Annex 12 Band Wireless appli	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro d D cations in Healthcare Austria Czech Republic France Italy Latvia Liechtenstein Norway Portugal	Not implemented Limited No info Not implemented Limited Limited Limited to 9-185 kHz Not implemented	Limited 9-140 kHz Full implementation planned Planned Planned Under study Planned Planned Planned
Wireless appl 9-315 kHz Annex 12 Band Wireless appl 315-600 kHz	Italy Latvia Portugal Russian Federation Serbia & Montenegro Spain United Kingdom d C lications in Healthcare France Italy Latvia Norway Russian Federation Serbia & Montenegro d D cations in Healthcare Austria Czech Republic France Italy Latvia Liechtenstein Norway Portugal Russian Federation	Not implemented Limited No info Not implemented Limited Limited to 9-185 kHz Not implemented	Limited 9-140 kHz Full implementation planned Planned Planned Under study Planned Planned Planned Defence systems

	Country	Restriction	Reason/remark
	Sweden	Not implemented	Planned
	Switzerland	Not implemented	Defence systems
nnex 12 Ban	nd E		
	olications in Healthcare		
12.5-20.0 MI			
	Austria	Not implemented	Planned
	Belgium	No info	
	Bulgaria	Not implemented	Planned
	France	Not implemented	Planned
	Greece	Not implemented	
	Hungary	Not implemented	Planned
	Ireland	Not implemented	Planned; Notification in progress
	Italy	No info	1 0
	Latvia	No info	
	Lithuania	No info	
	Malta	Not implemented	Planned
	Norway	Not implemented	
	Poland	Implemented	12.5 – 20 MHz
	Portugal	Not implemented	Defence systems
	Romania	Not implemented	
	Russian Federation	No info	
	Serbia & Montenegro	No info	
	Slovak Republic	No info	
	Siovak respublic		
	dio Applications	Not implemented	
Wireless Au	nd A dio Applications z		
Wireless Aud 863-865 MH	nd A dio Applications z Russian Federation	Not implemented No info	
Wireless Aud 863-865 MH Annex 13 Ban	nd A dio Applications z Russian Federation		
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud	nd A dio Applications z Russian Federation ad B dio Applications		
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud	nd A dio Applications z Russian Federation ad B dio Applications Hz	No info	
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud	nd A dio Applications z Russian Federation ad B dio Applications Hz Croatia	No info Not implemented	Dlamad
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud	nd A dio Applications z Russian Federation ad B dio Applications Hz Croatia Italy	No info Not implemented Not implemented	Planned
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud	nd A dio Applications z Russian Federation ad B dio Applications Hz Croatia Italy Latvia	No info Not implemented Not implemented Not implemented	Planned
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	nd A dio Applications z Russian Federation ad B dio Applications Hz Croatia Italy Latvia Russian Federation	No info Not implemented Not implemented	Planned
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	ad A dio Applications Z Russian Federation ad B dio Applications Hz Croatia Italy Latvia Russian Federation	No info Not implemented Not implemented Not implemented	Planned
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	ad A dio Applications Z Russian Federation ad B dio Applications Hz Croatia Italy Latvia Russian Federation ad C dio Applications	No info Not implemented Not implemented Not implemented No info	Planned
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	ad A dio Applications Z Russian Federation ad B dio Applications Hz Croatia Italy Latvia Russian Federation ad C dio Applications	No info Not implemented Not implemented Not implemented No info Not implemented	Planned
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	nd A dio Applications Z Russian Federation nd B dio Applications Hz Croatia Italy Latvia Russian Federation nd C dio Applications IHz	No info Not implemented Not implemented Not implemented No info	Planned
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	nd A dio Applications Z Russian Federation nd B dio Applications Hz Croatia Italy Latvia Russian Federation nd C dio Applications IHZ Austria	No info Not implemented Not implemented Not implemented No info Not implemented Not implemented Not implemented Not implemented Not implemented	Planned
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	ad A dio Applications Z Russian Federation ad B dio Applications Hz Croatia Italy Latvia Russian Federation ad C dio Applications Hz Austria Croatia	No info Not implemented Not implemented Not implemented No info Not implemented Not implemented	Planned
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	ad A dio Applications Z Russian Federation ad B dio Applications Hz Croatia Italy Latvia Russian Federation ad C dio Applications IHz Austria Croatia Finland	No info Not implemented Not implemented Not implemented No info Not implemented Not implemented Not implemented Not implemented Not implemented	Planned All island WAPECS licence in operation
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	ad A dio Applications Z Russian Federation ad B dio Applications Hz Croatia Italy Latvia Russian Federation ad C dio Applications IHz Austria Croatia Finland France	No info Not implemented Not implemented Not implemented No info Not implemented Not implemented Not implemented Not implemented Not implemented Not implemented	
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	dio Applications Russian Federation d B dio Applications Hz Croatia Italy Latvia Russian Federation d C dio Applications IHz Austria Croatia Finland France Ireland	No info Not implemented Not implemented Not implemented No info Not implemented	All island WAPECS licence in operation
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	dd A dio Applications Z Russian Federation dd B dio Applications Hz Croatia Italy Latvia Russian Federation dd C dio Applications Hz Austria Croatia Finland France Ireland Italy	No info Not implemented Not implemented Not implemented No info Not implemented	All island WAPECS licence in operation
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	dd A dio Applications Z Russian Federation dd B dio Applications Hz Croatia Italy Latvia Russian Federation dd C dio Applications HHz Austria Croatia Finland France Ireland Italy Latvia	No info Not implemented Not implemented Not implemented No info Not implemented	All island WAPECS licence in operation
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	dd A dio Applications Z Russian Federation dd B dio Applications Hz Croatia Italy Latvia Russian Federation dd C dio Applications HHz Austria Croatia Finland France Ireland Italy Latvia Russian Federation	No info Not implemented Not implemented Not implemented No info Not implemented	All island WAPECS licence in operation Planned
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	dio Applications Russian Federation d B dio Applications Hz Croatia Italy Latvia Russian Federation d C dio Applications IHz Austria Croatia Finland France Ireland Italy Latvia Russian Federation Slovak Republic	No info Not implemented Not implemented Not implemented No info Not implemented	All island WAPECS licence in operation Planned
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	dio Applications Russian Federation d B dio Applications Hz Croatia Italy Latvia Russian Federation d C dio Applications IHz Austria Croatia Finland France Ireland Italy Latvia Russian Federation Slovak Republic Spain The Netherlands	No info Not implemented Not implemented Not implemented No info Not implemented	All island WAPECS licence in operation Planned Fixed service
Wireless Aud 863-865 MH Annex 13 Ban Wireless Aud 864.8-865 M	dio Applications Russian Federation d B dio Applications Hz Croatia Italy Latvia Russian Federation d C dio Applications HHz Austria Croatia Finland France Ireland Italy Latvia Russian Federation Slovak Republic Spain	No info Not implemented Not implemented Not implemented No info Not implemented	All island WAPECS licence in operation Planned

Annex	Country	Restriction	Reason/remark
Annex 13 Ban	nd D		
Wireless Au 87.5-108.0 N	dio Applications MHz		
	France	Not implemented	
	Greece	Not implemented	About to be implemented (info of June 2008)
	Hungary	Not implemented	Planned
	Italy	Not implemented	
	Latvia	Not implemented	
	Russian Federation	No info	
	Serbia & Montenegro	Not implemented	
	Slovak Republic	Under study	
	Slovenia	Limited	max 50nW e.r.p. (RTTE SC55)
	Turkey	Planned	Implemented after SRD Ordinance is revised

List of abbreviations as used in this document

AFA Adaptive Frequency Agility

AVI Automatic Vehicle Identification for Railways

CEPT European Conference of Postal and Telecommunications Administrations

CB Citizen Band (27 MHz)
CT2 Cordless Telephones
DAA Detect and Avoid

EAS Electronic Article Surveillance

ECC Electronic Communications Committee
EFIS ERO Frequency Information System

ENG/OB Electronic News Gathering / Outside Broadcasting ERC European Radiocommunications Committee

ERM Electromagnetic Compatibility and Radio Spectrum Matters

ERO European Radiocommunications Office

ETSI European Telecommunications Standard Institute

FHSS Frequency Hopping Spread Spectrum

ISM Industrial, Scientific and Medical applications

LAN Local Area Network
LBT Listen Before Talk

(O)RLAN Outdoor Radio Local Area Network

PMR Professional Mobile Radio / Private Mobile Radio

R&TTE Directive 1999/5/EC of the European Parliament and of the Council of 9 March 1999

on radio equipment and telecommunications terminal equipment and the mutual

recognition of their conformity

RFID Radio Frequency Identification
RTTT Road Transport & Traffic Telematics

SRD Short Range Devices
TETRA Terrestrial Trunked Radio
TLPR Tank Level Probing Radar

ULP-AID Ultra Low Power Animal Implant Devices
ULP-AIP Ultra Low Power Animal Implantable

WAS Wireless Access Systems
WLL Wireless Local Loop

Duty cycle categories

For the purposes of this Recommendation the duty cycle is defined as the ratio, expressed as a percentage, of the maximum transmitter "on" time on one carrier frequency, relative to a one hour period unless otherwise mentioned in the relevant Annex.

For pre-programmed devices the maximum transmitter "on" time and minimum "off" time are given in the following table. These limits are advisory with a view to facilitating sharing between systems in the same frequency band

	Name	Transmitting time/Full cycle ¹	Maximum transmitter "on" time (seconds)	Minimum transmitter "off" time (seconds)	Explanation
1	Very Low	<0.1%	0.72	0.72	For example, 5 transmissions of 0.72 seconds within one hour.
2	Low	<1.0%	3.6	1.8	For example, 10 transmissions of 3.6 seconds within one hour.
3	High	<10%	36	3.6	For example, 10 transmissions of 36 seconds within one hour
4	Very High	Up to 100%	-	-	Typically continuous transmissions but also those with a duty cycle greater than 10%

Document History

	Text	Page	Edition			
Text of the ER	4	October 2005				
Rearranged text of Recommendation 18 October 2005						
Annex 1	Non-specific Short Range Devices		October 2007			
Annex 2	ex 2 Tracking, Tracing and Data Acquisition		February 2007			
Annex 3	3 Wideband Data Transmission systems		August 2005			
Annex 4	Railway applications		October 2007			
Annex 5	ex 5 Road Transport & Traffic Telematics (RTTT)		February 2004			
Annex 6	Radiodetermination applications	13	February 2008			
Annex 7	Alarms	14	October 2006			
Annex 8	Model Control	15	May 2003			
Annex 9	Inductive applications	16	October 2007			
Annex 10	Radio microphones and Assistive Listening Devices	19	October 2006			
Annex 11	Radio frequency identification applications	20	February 2008			
Annex 12	Wireless applications in healthcare	23	October 2007			
Annex 13	Wireless Audio applications	24	May 2008			
Appendix 1	Implementation Status	25	November 2008			
Appendix 2	List of relevant ECC/ERC Decisions, Recommendations and ETSI Standards, EC Decisions		October 2007			
Appendix 3	National restrictions	35	November 2008			