

6 Glossary

Term	Definition
3G	Third Generation
ADSL	Asymmetric Digital Subscriber Line
ATC	Air Traffic Control
BCI	Broadcasting Commission of Ireland
BSS	Broadcast-Satellite Service
CB	Citizens Band
CCDP	Co-channel dual polar, technique for combining horizontal and vertical polarisation to double capacity of a microwave fixed link
CDMA	Code Division Multiple Access, technique for differentiating between different spectrum users on the basis of unique codes rather than time or frequency
CENELEC	European Committee For Electrotechnical Standardization
CEPT	Conference of European Telecommunications and Postal Administrations
Consumer Surplus	The cumulative difference between the willingness to pay for a good and its price, used by economists to measure of the economic and other benefits of a resource such as the radio spectrum to consumers.
DAB	Digital Audio Broadcasting
DCMNR	Department of Communications, Marine and Natural Resources
DMB	Digital Multimedia Broadcasting
DSL	Digital Subscriber Line
DTT	Digital Terrestrial Television
DVB	Digital Video Broadcasting standard
DVB-C	Cable DVB standard
DVB-H	Hand-held DVB standard, intended for delivery of audiovisual content to handheld/mobile terminals
DVB-S	Satellite DVB standard
DVB-T	Terrestrial DVB standard
EC	European Commission
ECC	European Communications Committee
ECN	Electronic Communication Network
ECS	Electronic Communication Service
EESS	Earth Exploration-Satellite Service
EMC	Electromagnetic Compatibility
ERC	European Radiocommunications Committee (forerunner to ECC)
ETSI	European Telecommunications Standards Institute
FDD	Frequency Division Duplex, technique where two separate frequencies are used for forward and reverse transmission
FM	Frequency Modulation
FSS	Fixed-Satellite Service
FWA	Fixed Wireless Access
FWALA	Fixed Wireless Access, Local Area
FWPMA	Fixed Wireless Point to Multipoint Access
Galileo	Planned new European satellite navigation system

Term	Definition
GATT	General Agreement on Tariffs and Trade
GDP	Gross Domestic Product
GMDSS	Global Maritime Distress and Safety System
GPRS	General Packet Data Service: Packet data transmission standard for GSM mobile phone networks GPSGlobal Positioning System
GSM	Global System for Mobile Communications: European 2nd generation mobile phone technology now in use worldwide
GSM-R	GSM for railways, variant of GSM mobile phone standard that provides communication and signalling functionality for railway use
HDFSS	High Density Fixed-Satellite Service
IAA	Irish Aviation Authority
ICAO	International Civil Aviation Organisation
ICNIRP	International Committee on Non-Ionising Radiation Protection
IEEE	Institution of Electrical and Electronics Engineers (US Standards Body)
ILS	Instrument Landing System
IMT-2000	International Mobile Telecommunications 2000 – A family of standards agreed by ITU for 3rd Generation mobile phones
ITU	International Telecommunications Union
Mbit/s	Megabits per second
Microwave	Generic terms for frequencies in the range 3 GHz to 30 GHz
MMDS	Multipoint Microwave Distribution System (for multi-channel TV)
MRAU	Maritime Radio Affairs Unit
MSS	Mobile-Satellite Service
NIR	Non-Ionising Radiation
NRA	National Regulatory Authority
PAMR	Public Access Mobile Radio, business radio service that provides services to third party subscribers
PMR	Private Mobile Radio
PMR 446	Licence exempt two way radio standard
Producer Surplus	The cumulative sum of the difference between the price of a good and what a firm is willing to be paid to produce the good, used by economists to measure of the economic and other benefits of a resource such as the radio spectrum to producers.
QAM	Quadrature Amplitude Modulation
QPSK	Quadrature Phase Shift Keying
R&TTE	Radio and Telecommunications Terminals
Radar	Radiodetermination system based on the comparison of reference signals reflected, or transmitted from the position to be determined. This encompasses meteorological radars and radionavigation systems.

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Glossary
Continued

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Radio-determination	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.
RRC-06	2006 ITU Regional Radiocommunication Conference to address re-planning of broadcast bands for introduction of digital broadcasting
RTTT	Road Traffic Telemetry and Telematics
SAB	Services Ancillary to Broadcasting
SAP	Services Ancillary to Programme Making
SDR	Software Defined Radio
SI	Statutory Instrument
SME	Small and Medium Enterprises
SNG	Satellite news gathering
SRD	Short Range Device
SRR	Short Range Radar
TCAM	EU Telecommunications Conformity Assessment and Market Surveillance Committee
TDAB	Terrestrial Digital Audio Broadcasting
TDD	Time Division Duplex, technique whereby the same frequency can used for forward and reverse transmission
TES	Transportable Earth Station (satellite service)
TETRA	Terrestrial Trunked Radio, European digital trunked mobile radio standard
UHF	Ultra High Frequency (300 MHz to 3 GHz)
UMTS	Universal Mobile Telecommunications System: European 3rd generation standard, part of IMT-2000 family of standards
UWB	Ultra Wideband
VHF	Very High Frequency (30 MHz to 300 MHz)
VoIP	Voice over Internet Protocol, technique for carrying real-time voice communication over packet data networks such as the internet
VSAT	Very Small Aperture Terminal (satellite earth station)
WBS	Wireless Broadband Services
WHO	World Health Organisation
Wi-Fi	Commercial name for WLAN devices operating in the 2.4 GHz and 5 GHz bands, based on the IEEE 802.11 series of standards
WiMAX	Family of standards under development for broadband wireless access in bands above 3 GHz, also referred to as IEEE 802.16
WLAN	Wireless Local Area Network
WRC	World Radiocommunication Conference
WT Act	Wireless Telegraphy Act
WTO	World Trade Organisation