

Lists of abbreviations used in the Report of the Conference Preparatory Meeting to WRC-19

Abbreviations	Radio services	RR definition
AMS	aeronautical mobile service	No. 1.32
AM(R)S	aeronautical mobile (route) service	No. 1.33
AMS(OR)S	aeronautical mobile-satellite (off-route) service	No. 1.34
AMSS	aeronautical mobile-satellite service	No. 1.35
AMS(R)S	aeronautical mobile-satellite (route) service	No. 1.36
ARNS	aeronautical radionavigation service	No. 1.46
ARNSS	aeronautical radionavigation-satellite service	No. 1.47
ARS	amateur service	No. 1.56
ARSS	amateur-satellite service	No. 1.57
BS*	broadcasting service	No. 1.38
BSS	broadcasting-satellite service	No. 1.39
EESS	Earth exploration-satellite service	No. 1.51
FS	fixed service	No. 1.20
FSS	fixed-satellite service	No. 1.21
ISS	inter-satellite service	No. 1.22
LMS	land mobile service	No. 1.26
LMSS	land mobile-satellite service	No. 1.27
MetAids	meteorological aids service	No. 1.50
MetSat	meteorological-satellite service	No. 1.52
MMS	maritime mobile service	No. 1.28
MMSS	maritime mobile-satellite service	No. 1.29
MRNS	maritime radionavigation service	No. 1.44
MRNSS	maritime radionavigation-satellite service	No. 1.45
MS	mobile service	No. 1.24
MSS	mobile-satellite service	No. 1.25
RAS	radio astronomy service	No. 1.58
RDS	radiodetermination service	No. 1.40
RDSS	radiodetermination-satellite service	No. 1.41
RLS	radiolocation service	No. 1.48
RLSS	radiolocation-satellite service	No. 1.49
RNS	radionavigation service	No. 1.42
RNSS	radionavigation-satellite service	No. 1.43
SOS	space operation service	No. 1.23
SFTSS	standard frequency and time signal service	No. 1.53
SFTSSS	standard frequency and time signal-satellite service	No. 1.54
SRS	space research service	No. 1.55

* In the draft CPM texts on WRC-19 agenda items 1.13 and 9.1 issue 9.1.1, this abbreviation stands for “base station” (see RR No. 1.71) and is not used to refer to the “broadcasting service” therein.

Other abbreviations:

Abbreviations	Description
3GPP	Third-Generation Project Partnership
AAS	active antenna system
ACM	adaptive coding and modulation
AES	aircraft earth station
A-ESIM	Aeronautical ESIM
AIS	automatic identification system
AM	Amplitude modulation
AMRD	autonomous maritime radio devices
API	advance publication information
APSK	Amplitude phase shift keying
ASM	application specific messages
ATC	ancillary terrestrial component
AtoN	aid to navigation
ATS	Automatic Train Stop
BBIU	bringing back into use
BFWA	Broadband Fixed Wireless Access
BIU	bringing into use
BR	Radiocommunication Bureau
BR IFIC	Radiocommunication Bureau International Frequency Information Circular
CDF	cumulative distribution function
CEPT	Conférence Européenne des Administrations des Postes et Télécommunications (European Conference of Postal and Telecommunications Administrations)
CGC	complementary ground component
Ch.	channel
<i>C/I</i>	carrier-to-interference ratio
<i>C/N</i>	carrier-to-noise ratio
<i>C/(N+I)</i>	carrier to noise plus interference ratio
CISPR	International Special Committee on Radio Interference (abbreviation for the French name: "Comité International Spécial des Perturbations Radioélectriques")
CISPR/.../CDV	CISPR/.../Committee Draft for Vote
COMPAT	Compatibility
ConOps	concept of operations
CPE	customer premises equipment
CPM	conference preparatory meeting
CPMS	close proximity mobile system
CR/C	coordination request
CTDRS	Chinese Data Tracking and Relay System
D&S-OPS	distress and safety operations
DCP	data collection platform
DCS	data collection systems
DF	Deployment Factor
DFS	dynamic frequency selection
DN	draft new
DR	draft revision

Abbreviations	Description
DRS	data relay satellite
ECDIS	electronic display and information system
EDRS	European data relay satellite
e.i.r.p.	equivalent isotropically radiated power (see RR No. 1.161)
EIRP	Equivalent Isotropically Radiated Power
eMBB	enhanced mobile broadband
EPM	equivalent protection margin
epfd	equivalent power flux-density
EPIRB	emergency position indicating radio beacon
ERA	European Railway Agency
E-s	Earth-to-space
E/S or ES	earth station
ESIM	earth stations in motion
ETSI	European Telecommunications Standards Institute
ETSI EN	ETSI European Standard
FDD	frequency-division duplex
FL	feeder link
FM	Frequency Modulation
GADSS	Global Aeronautical Distress and Safety System
Gbit/s	Gigabits per second
GE89	Plan for VHF/UHF television broadcasting in the African Broadcasting Area and neighbouring countries, Geneva, 1989 Rev. 2006
GIMS	Graphical Interference Management System
GLONASS	Global Navigation Satellite System
GMDSS	global maritime distress and safety system
GMPCS	Global Mobile Personal Communications by Satellite
GSM-R	Global system for mobile communications – railway
GSO	geostationary-satellite orbit (see RR No. 1.190)
GSO	Geosynchronous orbit
GW	Gateway
HAPS	high altitude platform station
HDFSS	high density fixed satellite systems
HEO	highly elliptical Earth orbit
HF	high frequency
HTS	high throughput satellite
IARU	International Amateur Radio Union
ICAO	International Civil Aviation Organization
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronic Engineers
IFOV	instantaneous field of view
IMF	interplanetary magnetic field
IMO	International Maritime Organization
IMT	International Mobile Telecommunications
I_{new}	interference power
I/N	interference to noise ratio
IoT	Internet of Things
IP	Internet Protocol

Abbreviations	Description
ISM	industrial, scientific and medical (see RR No. 1.15)
ISO	International Organization for Standardization
ITS	intelligent transportation systems
ITU	International Telecommunication Union
ITU CS	ITU Constitution
ITU-R	ITU Radiocommunication Sector
IUCAF	Scientific Committee on Frequency Allocations for Radio Astronomy and Space Science
LEO	Low Earth Orbit / low Earth orbit
L-ESIM	Land ESIM
LF	low frequency
LTAN	Local Time of the Ascending Node
LTE	long-term evolution
M2M	machine-to-machine
MCL	minimum coupling loss
MEO	medium Earth orbit
MES(s)	mobile earth station(s)
M-ESIM	Maritime ESIM
MF	medium frequency
MGWS	Multiple Gigabit Wireless Systems
MIFR	Master International Frequency Register (or Master Register)
MIMO	multiple-input and multiple-output
MMSI	Maritime Mobile Service Identity
mMTC	massive machine-type communications
MOB	man overboard
MR	regular milestone-based approach
MT	transitional milestone-based approach
MTC	Machine-Type Communication
MWI	microwave imaging
N/A	<i>not applicable</i>
NAVDAT	navigational data
NAVTEX	Navigational text
NBDP	narrow-band direct printing
NCMC	<i>Network Control and Monitoring Centre</i>
NGSO / non-GSO	non-geostationary-satellite orbit
NGSO SD	non-GSO satellites with short duration
No.	number
OFDM	Orthogonal frequency division multiplexing
OOBE	out-of-band emission
PDN	preliminary draft new
PDR	preliminary draft revision
Pfd	power flux-density
P-MP	point-to-multipoint
P-P	point-to-point
PSD	power spectrum density
PSTN	public switched telephone network
RAC	Rural Area Coverage

Abbreviations	Description
QPSK	Quadrature Phase-Shift Keying
RAAN	right ascension of the ascending node
RA	Radiocommunication Assembly
Rec.	Recommendation
Rep.	Report
Res.	Resolution
RF	radio frequency
RF CSA	radio-frequency mesh network central alarm
RFI	radio-frequency interference
RLAN	radio local area network
RoP	Rule of Procedure
RR	Radio Regulations
RRB	Radio Regulations Board
RSTT	Railway radiocommunication Systems between Train and Trackside
RTTT	Road Transport and Traffic Telematics
SAC	Suburban Area Coverage
SAE	Society of Automotive Engineers
SAR	search and rescue
SARPs	standards and recommended practices
SART	Search And Rescue Transmitter
SAT-COM	Satellite Communications
s-E	space-to-Earth
SDOs	standards developing organizations
SM	Spectrum Management
SNR	signal-to-noise ratio
SOLAS	International Convention for the Safety of Life at Sea
SRD	Short Range Device
SSB	Single Side Band
SSCS	Space-to-Space Communication System
ST61	Plan for television and sound broadcasting in the European broadcasting area, Stockholm, 1961 Rev. 2006
TBD	to be defined/determined/developed (according to the context, used as a placeholder)
TDD	time-division duplex
TDRS	Tracking and data relay satellite
TETRA	Terrestrial Trunked Radio
TRP	total radiated power
TT&C	tracking, telemetry and command
UAC	Urban Area Coverage
UE	user equipment
UHDTV	ultra high definition television
UHF	ultra high frequency
UIC	International Union of Railways
UN	United Nations
URLLC	ultra-reliable and low-latency communications
V2I	vehicle-to-infrastructure
V2N	vehicle-to-network
V2P	vehicle-to-pedestrian

Abbreviations	Description
V2V	vehicle-to-vehicle
V2X	vehicle-to-anything
VDE	VHF data exchange
VDE-SAT	VDE Satellite component
VDE-TER	VDE – Terrestrial specific
VDES	VHF data exchange system
VHF	very high frequency
VLBI	very long baseline interferometry
WARC	World Administrative Radio Conference
WAS	Wireless Access System
WAVE	Wireless Access in Vehicular Environment
WD	Working document
WDPDN	Working document towards a preliminary draft new
Wi-Fi	a trademarked term meaning IEEE 802.11x
WIA	Wireless Industrial Applications
WPR	Wind Profiler Radar
WPT	Wireless Power Transmission
WPT-EV	WPT for electric vehicles
WRC	World Radiocommunication Conference